

AUTHORIZING THE AWARD OF A CONTRACT TO CURRAN CONTRACTING, INC. IN THE AMOUNT OF \$1,251,009.56 FOR RESURFACING AND CONCRETE REPAIRS ON FIRST STREET AND TAYLOR STREET, INCLUDING ALTERNATES 1 AND 2, WITH STAFF AUTHORITY TO APPROVE CHANGE ORDERS UP TO A COMBINED PROJECT TOTAL NOT TO EXCEED \$1,283.673.

WHEREAS, the City of DeKalb (the "City") is a home rule unit of local government pursuant to Article VII, Section 6, of the Illinois Constitution of 1970; and

WHEREAS, the City maintains its public streets; and

WHEREAS, the City's corporate authorities find that it is in the best interest of the public welfare to improve the streets, including the projects outlined in the 2021 Street Maintenance generally consisting of asphalt resurfacing removing and replacing sidewalk and pedestrian ramps on Seventh Street, Normal Road, and various other minor segments all in accordance with the plans and specifications prepared by the consulting engineers of the City; and

WHEREAS, the City publicly opened bids on March 11, 2021 with the lowest responsive and responsible bidder as Curran Contracting Inc. (the "CONTRACTOR").

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF DEKALB, ILLINOIS:

SECTION 1: The City's corporate authorities approve, authorize, direct, and ratify the City Manager to enter into an agreement with CONTRACTOR in a form acceptable to him for the DeKalb 2021 Street Maintenance project in an amount of \$1,251,009.56 with staff authority to approve change orders up to a combined project total of \$1,283,673.

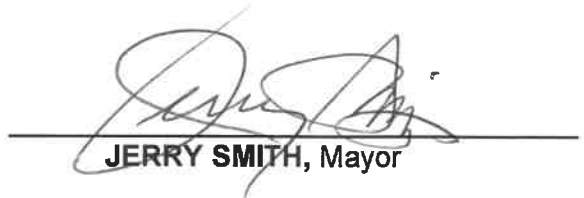
SECTION 2: This resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL of the City of DeKalb, Illinois at a Regular meeting thereof held on the 22nd day of March 2021 and approved by me as Mayor on the same day. Passed by a 7-0-1 roll call vote. Aye: Morris, Smith, Perkins, McAdams, Verbic, Faivre, Mayor Smith. Nay: None. Absent: Finucane.

ATTEST:



RUTH A. SCOTT, Executive Assistant



JERRY SMITH, Mayor



FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

March 11, 2021

Mr. Zac Gill, P.E
City Engineer
City of DeKalb
164 E. Lincoln Highway
DeKalb, IL 60115

Re: DeKalb Streets 2021
Section 21-00000-00-GM
Letter of Recommendation

Dear Mr. Gill,

In compliance with the Notice To Bidders for the above-referenced project, bid packages were available through QuestCDN.com and our office with bids due by 11:00 a.m., today. Eight companies held bid packages, three of which were identified as prime bidders and three complete bids were received for the opening at City Hall.

Our office has completed a review of the Base and Alternate Bids (No. 1 and No. 2) and the low total bid (base + alternates) was submitted by **Curran Contracting Company, 286 Memorial Court, Crystal Lake, IL 60014** with the necessary forms included in their submittal. A summary of the bid results is as follows:

	ENGINEER'S ESTIMATE	Curran Contracting Co.	Builders Paving, LLC	William Charles Construction Co., LLC
BASE BID	\$1,295,960.75	\$946,560.65	\$1,170,000.00	\$1,029,516.20
ALTERNATE BID NO. 1	\$151,650.50	\$148,063.50	\$176,800.00	\$138,832.86
ALTERNATE BID NO. 2	\$162,491.30	\$156,385.41	\$175,800.00	\$155,348.72
TOTALS (BASE & ALTERNATES)	\$1,610,102.55	\$1,251,009.56	\$1,522,600.00	\$1,323,697.78

Upon further review and consideration of the City's desire, Fehr Graham recommends award of the DeKalb Streets 2021 project Base Bid and Alternate Bids (No. 1 and No. 2) to **Curran Contracting Company for \$1,251,009.56.**

Fehr Graham can proceed with preparing the contract documents should you decide to move forward with this work. Thank you for the opportunity to provide you with professional services. Should you need anything further, please contact our office anytime.

Sincerely,



Jason T. Stoll, PE
Branch Manager

JTS:bm

Enclosure

O:\DeKalb, City of\21-106 - 2021 MFT Streets program\PA Final\Correspondence\21-106 DeKalb Sts 2021 - MFT Ltr of Rec B.
Nicklas 2021-03-11.docx



Tabulation of Bids - 5 Bidders

Local Public Agency

County

Section Number

DeKalb

DeKalb

21-00000-00-GM

Approved
Engineer's EstimateAttended By
(IDOT Representative(s))

\$1,295,960.75

Bidder's Name	Builders Paving, LLC	Curran Contracting Company	Williams Charles Construction Co., LLC		
Bidder's Address	4413 Roosevelt Road	286 Memorial Court	833 Featherstone Road		
City, State, Zip	Hillside, IL 60514	Crystal Lake, IL 60014	Rockford, IL 61107		
Proposal Guarantee	Bid Bond	Bid Bond			
Terms	5%	5%			

Approved Engineer's Estimate

Item No.	Item	Delivery	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
20101400	1st St & Taylor St-Base Bid															
20101400	NITROGEN FERT NUTR		POUND	17.00	5.0000	\$85.00	3.0000	\$51.00	3.0000	\$51.00	2.9100	\$48.47		\$0.00		\$0.00
20101500	PHOSPHORUS FERT NUT		POUND	17.00	5.0000	\$85.00	3.0000	\$51.00	3.0000	\$51.00	2.9100	\$48.47		\$0.00		\$0.00
20101600	POTASSIUM FERT NUTR		POUND	17.00	6.0000	\$85.00	3.0000	\$51.00	3.0000	\$51.00	2.9100	\$48.47		\$0.00		\$0.00
21101615	TOPSOIL F & P 4		SQ YD	844.00	16.0000	\$12,680.00	7.0000	\$5,908.00	7.0000	\$5,908.00	6.7900	\$5,730.76		\$0.00		\$0.00
25000110	SEEDING CL 1A		ACRE	.20	25,000.0000	\$5,000.00	7,500.0000	\$1,500.00	7,500.0000	\$1,500.00	7,273.6400	\$1,454.73		\$0.00		\$0.00
25100830	EROSION CONTR BLANK		SY YD	844.00	3.0000	\$2,532.00	2.5000	\$2,110.00	2.5000	\$2,110.00	2.4200	\$2,042.48		\$0.00		\$0.00
26000500	INLET & PIPE PROTECT		EACH	62.00	50.0000	\$3,100.00	120.0000	\$7,440.00	77.5000	\$4,805.00	0.0100	\$0.62		\$0.00		\$0.00
35800200	AGG BASE REPAIR		TON	565.00	30.0000	\$16,950.00	45.0000	\$25,425.00	35.0000	\$19,775.00	29.9900	\$16,944.35		\$0.00		\$0.00
40600280	BIT MATLS TACK CT		POUND	30585.00	0.0500	\$1,529.25	0.0100	\$305.85	0.0100	\$305.85	0.0100	\$305.85		\$0.00		\$0.00
40603085	HMA BC IL-19.0 C N70		TON	3379.00	72.0000	\$243,072.00	70.0000	\$236,320.00	50.0000	\$168,800.00	63.0000	\$212,688.00		\$0.00		\$0.00
40604000	HMA SC IL-9.5FG C N50		TON	508.00	75.0000	\$38,100.00	77.0000	\$39,116.00	68.0000	\$34,544.00	77.0000	\$39,116.00		\$0.00		\$0.00
40604050	HMA SC IL-9.5 C N50		TON	1325.00	75.0000	\$99,375.00	73.0000	\$96,725.00	63.0000	\$83,475.00	67.0000	\$98,775.00		\$0.00		\$0.00
40604052	HMA SC IL-9.5 C N70		TON	2025.00	75.0000	\$151,875.00	77.0000	\$155,925.00	61.0000	\$123,525.00	71.0000	\$143,775.00		\$0.00		\$0.00
42400200	PG CONC SIDEWALK 5		SQ FT	3900.00	10.0000	\$39,000.00	11.0000	\$42,900.00	7.5500	\$28,445.00	7.3200	\$28,548.00		\$0.00		\$0.00
42400800	DETECTABLE WARNINGS		SQ FT	350.00	40.0000	\$14,000.00	25.0000	\$8,750.00	35.0000	\$12,250.00	33.8400	\$11,879.00		\$0.00		\$0.00
44000157	HMA SURF REM 2		SQ YD	11650.00	3.0000	\$34,950.00	3.2000	\$37,280.00	2.4000	\$27,960.00	3.0100	\$35,086.50		\$0.00		\$0.00
44000165	HMA SURF REM 4		SQ YD	23485.00	3.5000	\$82,197.50	6.2500	\$146,781.25	3.0500	\$71,629.25	3.3500	\$78,674.75		\$0.00		\$0.00
44000500	COMB CURB GUTTER RE		FOOT	600.00	6.0000	\$3,600.00	16.2500	\$9,750.00	18.0000	\$10,800.00	17.4800	\$10,476.00		\$0.00		\$0.00
44000600	SIDEWALK REM		SQ FT	3900.00	4.0000	\$15,600.00	3.0000	\$11,700.00	4.0000	\$15,600.00	3.8800	\$15,132.00		\$0.00		\$0.00
44201683	CL D PATCH T3 3		SQ YD	878.00	20.0000	\$17,560.00	30.0000	\$26,340.00	30.0000	\$26,340.00	43.8300	\$38,570.54		\$0.00		\$0.00
60255500	MAN ADJUST		EACH	20.00	1,200.0000	\$24,000.00	575.0000	\$11,500.00	575.0000	\$11,500.00	553.2400	\$11,064.80		\$0.00		\$0.00
60260100	INLET ADJUST		EACH	16.00	500.0000	\$8,000.00	554.0000	\$8,864.00	554.0000	\$8,864.00	242.4500	\$3,879.20		\$0.00		\$0.00
60266600	VALVE BOX ADJUST		EACH	8.00	800.0000	\$6,400.00	700.0000	\$5,600.00	700.0000	\$5,600.00	1,152.8900	\$9,223.92		\$0.00		\$0.00
60603800	COMB CC&G TB6.12		FOOT	600.00	30.0000	\$18,000.00	45.0000	\$27,000.00	32.6000	\$19,560.00	32.1000	\$19,260.00		\$0.00		\$0.00
67100100	MOBILIZATION		L SUM	1.00	50,000.0000	\$50,000.00	55,315.6000	\$55,315.60	58,500.0000	\$58,500.00	30,500.0000	\$30,500.00		\$0.00		\$0.00
70107025	CHANGEABLE MESSAGE		CAL DA	14.00	300.0000	\$4,200.00	75.0000	\$1,050.00	55.0000	\$770.00	53.3400	\$746.76		\$0.00		\$0.00
70300510	PAVT MARK TAPE T3 L&S		SQ FT	200.00	20.0000	\$4,000.00	5.0000	\$1,000.00	1.0000	\$200.00	4.3600	\$872.00		\$0.00		\$0.00
70300520	PAVT MARK TAPE T3 4		FOOT	4000.00	5.0000	\$20,000.00	0.9500	\$3,800.00	1.3000	\$5,200.00	1.1200	\$4,480.00		\$0.00		\$0.00
70300570	PAVT MARK TAPE T3 24		FOOT	200.00	10.0000	\$2,000.00	5.0000	\$1,000.00	3.1500	\$630.00	7.2700	\$1,454.00		\$0.00		\$0.00

78000100	THPL PVT MK LTR & SYM	SQ FT	575.00	5.0000	\$2,875.00	5.0000	\$2,875.00	5.0000	\$2,875.00	7.2700	\$4,180.25	\$0.00	\$0.00
78000200	THPL PVT MK LINE 4	FOOT	19835.00	1.0000	\$19,835.00	0.5500	\$10,909.25	0.5500	\$10,909.25	0.6600	\$13,091.10	\$0.00	\$0.00
78000400	THPL PVT MK LINE 6	FOOT	1600.00	2.5000	\$4,000.00	1.0700	\$1,712.00	1.0700	\$1,712.00	0.9700	\$1,552.00	\$0.00	\$0.00
78000500	THPL PVT MK LINE 8	FOOT	530.00	3.0000	\$1,590.00	1.6600	\$879.80	1.6600	\$879.80	1.3100	\$694.30	\$0.00	\$0.00
78000850	THPL PVT MK LINE 24	FOOT	300.00	4.5000	\$1,350.00	5.0000	\$1,500.00	5.0000	\$1,500.00	3.8800	\$1,164.00	\$0.00	\$0.00
88800100	DET LOOP T1	FOOT	480.00	100.0000	\$48,000.00	16.3000	\$7,824.00	16.3000	\$7,824.00	27.8900	\$13,387.20	\$0.00	\$0.00
X0100022	TILL RESHAPE & C RB	SQ FT	3600.00	8.0000	\$28,800.00	3.0000	\$10,800.00	3.7500	\$13,500.00	2.8200	\$10,152.00	\$0.00	\$0.00
X0326805	WASHOUT BASIN	EACH	1.00	500.0000	\$500.00	1,000.0000	\$1,000.00	2,000.0000	\$2,000.00	1,938.6400	\$1,938.64	\$0.00	\$0.00
X6025600	MAN ADJUST SPL	EACH	21.00	1,500.0000	\$31,500.00	1,344.0000	\$28,224.00	1,344.0000	\$28,224.00	1,801.1800	\$37,824.78	\$0.00	\$0.00
X6028051	SAN MAN RECONST	EACH	14.00	5,600.0000	\$78,400.00	3,642.0000	\$50,988.00	3,642.0000	\$50,988.00	3,728.1800	\$52,208.52	\$0.00	\$0.00
X7010216	TRAF CONT & PROT SPL	L SUM	1.00	40,000.0000	\$40,000.00	11,225.0000	\$11,225.00	6,250.0000	\$6,250.00	6,982.6900	\$6,982.69	\$0.00	\$0.00
Z0004005	FIBER ASPHALT	POUND	3040.00	10.0000	\$30,400.00	11.0000	\$33,440.00	8.7000	\$26,448.00	8.5000	\$25,840.00	\$0.00	\$0.00
Z0033700	LONG JOINT SEALANT	FOOT	10915.00	3.0000	\$32,745.00	2.2500	\$24,558.75	2.4000	\$26,196.00	2.4900	\$27,178.35	\$0.00	\$0.00
Z0048665	RR PROT LIABILITY INS	L SUM	1.00	15,000.0000	\$15,000.00	3,500.0000	\$3,500.00	6,500.0000	\$6,500.00	5,334.0000	\$5,334.00	\$0.00	\$0.00
78003110	PREF PL PM TB LINE 4	FOOT	2530.00	7.0000	\$17,710.00	3.8500	\$9,740.50	3.8500	\$9,740.50	5.5800	\$14,117.40	\$0.00	\$0.00
X7830070	GRV RCSD PVT MRKG	FOOT	2530.00	10.0000	\$25,300.00	0.5000	\$1,265.00	0.5000	\$1,265.00	1.2100	\$3,061.30	\$0.00	\$0.00
Total Bid:		As Read:			\$1,170,000.00		\$946,560.65		\$1,029,516.20				
		As Calculated:			\$1,170,000.00		\$946,560.65		\$1,029,516.20		\$0.00		\$0.00
		% Over/Under:			-0.1%		-0.27%		-0.21%				



Tabulation of Bids - 5 Bidders

Local Public Agency

County

Section Number

DeKalb

DeKalb

21-00000-00-GM

Approved
Engineer's Estimate

Attended By
(IDOT Representative(s))

\$151,650.50

Bidder's Name	Builders Paving, LLC	Curran Contracting Company	Williams Charles Construction Co., LLC		
Bidder's Address	4413 Roosevelt Road	286 Memorial Court	833 Featherstone Road		
City, State, Zip	Hillside, IL 60514	Crystal Lake, IL 60014	Rockford, IL 61107		
Proposal Guarantee					
Terms					

Approved Engineer's Estimate

Item No.	Item	Delivery	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
	7th St-Alternate Bid 1															
26000500	INLET & PIPE PROTECT		EACH	11.00	50.0000	\$550.00	120.0000	\$1,320.00	77.5000	\$852.50	0.0100	\$0.11		\$0.00		\$0.00
35800200	AGG BASE REPAIR		TON	170.00	30.0000	\$5,100.00	45.0000	\$7,650.00	35.0000	\$5,950.00	33.0200	\$5,613.40		\$0.00		\$0.00
40600290	BIT MATLS TACK CT		POUND	4610.00	0.0500	\$230.50	0.0100	\$46.10	0.0100	\$46.10	0.0100	\$46.10		\$0.00		\$0.00
40603085	HMA BC IL-19.0 C N70		TON	450.00	72.0000	\$32,400.00	85.0000	\$38,250.00	64.0000	\$28,800.00	64.0000	\$28,800.00		\$0.00		\$0.00
40604082	HMA SC IL-9.5 C N70		TON	358.00	75.0000	\$26,925.00	80.0000	\$28,720.00	70.0000	\$25,130.00	71.0000	\$25,488.00		\$0.00		\$0.00
44100165	HMA SURF REM 4		SQ YD	3566.00	3.5000	\$12,481.00	7.9500	\$28,349.70	4.8000	\$17,116.80	3.4700	\$12,374.02		\$0.00		\$0.00
44200050	CL D PATCH T3 3		SQ YD	178.00	20.0000	\$3,560.00	30.0000	\$5,340.00	30.0000	\$5,340.00	51.8100	\$9,222.18		\$0.00		\$0.00
60255500	MAN ADJUST		EACH	9.00	1,200.0000	\$10,800.00	535.0000	\$4,815.00	535.0000	\$4,815.00	572.9800	\$5,156.82		\$0.00		\$0.00
60260100	INLET ADJUST		EACH	5.00	500.0000	\$2,500.00	435.0000	\$2,175.00	435.0000	\$2,175.00	1,334.4800	\$6,672.40		\$0.00		\$0.00
60266800	VALVE BOX ADJUST		EACH	4.00	800.0000	\$3,200.00	592.0000	\$2,368.00	592.0000	\$2,368.00	1,194.0800	\$4,776.32		\$0.00		\$0.00
67100100	MOBILIZATION		L SUM	1.00	3,500.0000	\$3,500.00	14,070.4000	\$14,070.40	16,500.0000	\$16,500.00	7,875.2300	\$7,875.23		\$0.00		\$0.00
78000100	THPL PVT MK LTR & SYM		SQ FT	30.00	5.0000	\$150.00	5.0000	\$150.00	5.0000	\$150.00	4.0400	\$121.20		\$0.00		\$0.00
78000200	THPL PVT MK LINE 4		FOOT	2210.00	1.0000	\$2,210.00	0.5500	\$1,215.50	0.5500	\$1,215.50	0.6900	\$1,524.90		\$0.00		\$0.00
78000400	THPL PVT MK LINE 6		FOOT	732.00	2.5000	\$1,830.00	1.1000	\$805.20	1.1000	\$805.20	1.0100	\$739.32		\$0.00		\$0.00
78000500	THPL PVT MK LINE 8		FOOT	93.00	3.0000	\$279.00	1.7000	\$158.10	1.7000	\$158.10	1.3600	\$126.48		\$0.00		\$0.00
78000650	THPL PVT MK LINE 24		FOOT	210.00	4.5000	\$945.00	5.0000	\$1,050.00	5.0000	\$1,050.00	4.0400	\$848.40		\$0.00		\$0.00
86600100	DET LOOP T1		FOOT	80.00	100.0000	\$8,000.00	16.3000	\$1,304.00	16.3000	\$1,304.00	29.0800	\$2,328.40		\$0.00		\$0.00
96025600	MAN ADJUST SPL		EACH	4.00	1,500.0000	\$6,000.00	2,988.0000	\$11,952.00	2,988.0000	\$11,952.00	1,847.4200	\$7,369.68		\$0.00		\$0.00
96026051	SAN MAN RECONST		EACH	4.00	5,600.0000	\$22,400.00	4,653.0000	\$18,612.00	4,653.0000	\$18,612.00	3,854.4700	\$15,417.88		\$0.00		\$0.00
97010216	TRAF CONT & PROT SPL		L SUM	1.00	5,000.0000	\$5,000.00	4,500.0000	\$4,500.00	600.0000	\$600.00	1,132.2800	\$1,132.28		\$0.00		\$0.00
20004005	FIBER ASPHALT		POUND	359.00	10.0000	\$3,590.00	11.0000	\$3,949.00	8.7000	\$3,123.30	8.8600	\$3,180.74		\$0.00		\$0.00



Tabulation of Bids - 5 Bidders

Local Public Agency

County

Section Number

DeKalb

DeKalb

21-00000-00-GM

Approved
Engineer's EstimateAttended By
(IDOT Representative(s))

\$162,491.30

Bidder's Name	Builders Paving, LLC	Curran Contracting Company	William Charles Construction Co., LLC		
Bidder's Address	4413 Roosevelt Road	286 Memorial Court	833 Featherstone Road		
City, State, Zip	Hillside, IL 60514	Crystal Lake, IL 60014	Rockford, IL 61107		
Proposal Guarantee					
Terms					

Approved Engineer's Estimate

Item No.	Item	Delivery	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
20101400	5th St-Alternate Bid 2															
20101400	NITROGEN FERT NUTR		POUND	9.00	5.0000	\$45.00	3.0000	\$27.00	3.0000	\$27.00	3.0000	\$27.00		\$0.00		\$0.00
20101500	PHOSPHORUS FERT NUTR		POUND	9.00	5.0000	\$45.00	3.0000	\$27.00	3.0000	\$27.00	3.0000	\$27.00		\$0.00		\$0.00
20101600	POTASSIUM FERT NUTR		POUND	9.00	5.0000	\$45.00	3.0000	\$27.00	3.0000	\$27.00	3.0000	\$27.00		\$0.00		\$0.00
21101615	TOPSOIL F & P 4		SQ YD	484.00	15.0000	\$7,260.00	7.0000	\$3,388.00	7.0000	\$3,388.00	7.0100	\$3,392.84		\$0.00		\$0.00
25000110	SEEDING CL 1A		ACRE	.1	25,000.0000	\$2,500.00	10,000.0000	\$1,000.00	10,000.0000	\$1,000.00	10,013.6500	\$1,001.37		\$0.00		\$0.00
25100630	EROSION CONTR BLANK		SY YD	484.00	3.0000	\$1,452.00	5.0000	\$2,420.00	5.0000	\$2,420.00	5.0100	\$2,424.84		\$0.00		\$0.00
28000500	INLET & PIPE PROTECT		EACH	11.00	50.0000	\$550.00	120.0000	\$1,320.00	77.5000	\$852.50	0.0100	\$0.11		\$0.00		\$0.00
28000200	AGG BASE REPAIR		TON	170.00	30.0000	\$5,100.00	45.0000	\$7,650.00	35.0000	\$5,950.00	34.0500	\$5,788.50		\$0.00		\$0.00
40600280	BIT MATLS TACK CT		POUND	4626.00	0.0500	\$231.30	0.0100	\$46.26	0.0100	\$46.26	0.0100	\$46.26		\$0.00		\$0.00
40604000	HMA SC IL-9.5FG C N50		TON	222.00	75.0000	\$16,650.00	90.0000	\$19,980.00	73.0000	\$16,208.00	80.0000	\$17,760.00		\$0.00		\$0.00
40604050	HMA SC IL-9.5 C N50		TON	443.00	75.0000	\$33,225.00	75.0000	\$33,225.00	66.0000	\$29,238.00	70.0000	\$31,010.00		\$0.00		\$0.00
42400200	PC CONC SIDEWALK 5		SQ FT	800.00	10.0000	\$8,000.00	12.5000	\$10,000.00	7.5500	\$6,040.00	7.5600	\$6,048.00		\$0.00		\$0.00
42400800	DETECTABLE WARNINGS		SQ FT	170.00	40.0000	\$6,800.00	25.0000	\$4,250.00	35.0000	\$5,950.00	35.0500	\$5,958.50		\$0.00		\$0.00
44000157	HMA SURF REM 2		SQ YD	5141.00	3.0000	\$15,423.00	4.2000	\$21,592.20	3.1500	\$16,194.15	3.0200	\$15,525.82		\$0.00		\$0.00
44000300	COMB CURB GUTTER RE		FOOT	300.00	5.0000	\$1,800.00	15.6500	\$4,695.00	18.0000	\$5,400.00	18.0200	\$5,408.00		\$0.00		\$0.00
44000600	SIDEWALK REM		SQ FT	800.00	4.0000	\$3,200.00	3.0000	\$2,400.00	4.0000	\$3,200.00	4.0100	\$3,208.00		\$0.00		\$0.00
44201683	CL D PATCH T3 3		SQ YD	125.00	20.0000	\$2,500.00	30.0000	\$3,750.00	30.0000	\$3,750.00	56.1100	\$7,013.75		\$0.00		\$0.00
60255500	MAN ADJUST		EACH	8.00	1,200.0000	\$9,600.00	519.0000	\$4,152.00	519.0000	\$4,152.00	568.3700	\$4,546.96		\$0.00		\$0.00
60260100	INLET ADJUST		EACH	1.00	500.0000	\$500.00	660.0000	\$660.00	660.0000	\$660.00	250.3400	\$250.34		\$0.00		\$0.00
60266600	VALVE BOX ADJUST		EACH	4.00	800.0000	\$3,200.00	502.0000	\$2,008.00	502.0000	\$2,008.00	1,184.4900	\$4,737.96		\$0.00		\$0.00
60603800	COMB CC&G TBS 12		FOOT	300.00	30.0000	\$9,000.00	45.2500	\$13,575.00	32.6000	\$9,780.00	33.1500	\$9,945.00		\$0.00		\$0.00
67100100	MOBILIZATION		L SUM	1.00	3,500.0000	\$3,500.00	12,419.1400	\$12,419.14	17,000.0000	\$17,000.00	9,100.0000	\$9,100.00		\$0.00		\$0.00
78000400	THPL PVT MK LINE 6		FOOT	784.00	2.5000	\$1,960.00	1.1000	\$862.40	1.1000	\$862.40	1.0000	\$784.00		\$0.00		\$0.00
78000650	THPL PVT MK LINE 24		FOOT	150.00	4.5000	\$675.00	5.0000	\$750.00	5.0000	\$750.00	4.0100	\$601.50		\$0.00		\$0.00
6025600	MAN ADJUST SPL		EACH	2.00	1,500.0000	\$3,000.00	1,085.0000	\$2,130.00	1,065.0000	\$2,130.00	1,854.2900	\$3,708.56		\$0.00		\$0.00
6026051	SAN MAN RECONST		EACH	3.00	5,600.0000	\$16,800.00	4,691.0000	\$14,073.00	4,691.0000	\$14,073.00	3,824.0100	\$11,472.03		\$0.00		\$0.00
X7010216	TRAF CONT & PROT SPL		L SUM	1.00	5,000.0000	\$5,000.00	4,500.0000	\$4,500.00	1,400.0000	\$1,400.00	1,652.2500	\$1,652.25		\$0.00		\$0.00
Z0004005	FIBER ASPHALT		POUND	443.00	10.0000	\$4,430.00	11.0000	\$4,873.00	8.7000	\$3,854.10	8.7700	\$3,885.11		\$0.00		\$0.00

Total Bid:	As Read:	\$175,800.00	\$156,385.41	\$155,348.72		
	As Calculated:	\$175,800.00	\$156,385.41	\$155,348.72	\$0.00	\$0.00
	% Over/Under:	0.08%	-0.04%	-0.04%		

3/11/21
10:44am



288 Memorial Court, Crystal Lake, IL 60014
Phone (815) 455-5100 | Fax (815) 455-7894

City Engineer, City of DeKalb
1216 Market Street
DeKalb, IL 60115

SEALED BID:

BID: DeKalb Streets 2021, 21-00000-00-0M
BID DATE: March 11, 2021
BID TIME: 11:00 AM

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

ADDENDUM NO. 1

**CITY OF DEKALB
DeKalb Streets 2021
DeKalb, IL
March 05, 2021**

This Addendum shall include the following Clarifications, Modifications and Additions to the contract documents.

Clarifications:

1. Contractor shall mill and pave around the radius of W. Roosevelt Street on S. 1st Street.
2. Contractor shall mill and pave around the radius on the East side of Franklin Street.

Modifications:

1. The Schedule of Prices for the Base Bid has been modified to include the following changes:
 - a. Pay Item 78000200 THERMOPLASTIC PAVEMENT MARKING- LINE 4" quantity has been reduced by 2,530 FEET to a total of 19,835 FEET.

The Schedule of Prices for the Base Bid attached to this Addendum No. 1 must be used and returned when submitting your bid. No changes have been made to the Schedule of Prices for Alternate Bid 1 and Alternate Bid 2.

Additions:

1. The Schedule of Prices for the Base Bid has been modified to include the following changes:
 - a. Pay Item 78003110 PREFORMED PAVEMENT MARKING TYPE B, LINE 4", has been added to the schedule of prices with a total quantity of 2,530 FEET.
 - a. Pay Item X7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5", has been added to the schedule of prices with a total quantity of 2,530 FEET.

The Schedule of Prices for the Base Bid attached to this Addendum No. 1 must be used and returned when submitting your bid. No changes have been made to the Schedule of Prices for Alternate Bid 1 and Alternate Bid 2.

2. Please refer to the Special Provisions attached to this Addendum No. 1 which detail the following additions to the Special Provisions:
 - a. A special provision has been added for pay item #78003110 PREFORMED PAVEMENT MARKING, TYPE B, LINE 4".
 - b. A special provision has been added for pay item #X7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5".
3. A BDE Special Provision for Item #7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5" has been added to the bid documents and is attached to this Addendum No. 1. The BDE SPECIAL PROVISIONS For the January 15 and March 5, 2021 Lettings has been updated and is also attached to this Addendum No. 1.

Addendum

4. Technical Specifications for Items #78003110 and #X7830070 have been added to the bid documents and are attached to this Addendum No. 1.

This Addendum consists of forty (40) pages.

This Addendum Signature Page must be returned with the Contractors bid.

This ends the requirements of this addendum.

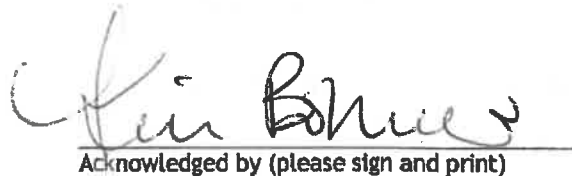
This Addendum No. 1 has been prepared by:



Brock Sutton

Contractor's Acknowledgement:

Curran Contracting Company
Firm Name (please print)


Acknowledged by (please sign and print)

Kim Bolanowski

END OF ADDENDUM NO. 1

O:\DeKalb, City of\21-106 - 2021 MFT Streets program\Engineering\2021 Streets\Bid Docs\Addenda\21-106 DeKalb Streets
2021 Addendum No. 1 eBidDoc 7626753.docx

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ADDENDUM NO. 2

**CITY OF DEKALB
DeKalb Streets 2021
DeKalb, IL
March 09, 2021**

This Addendum shall include the following Clarification to the contract documents.

Clarification:

1. Please refer to the attached plan set which shall be used to help determine your bid. It is our understanding some planholders may not have had the ability to download the plan set when they originally downloaded eBidDoc 7626753 City of DeKalb - DeKalb Streets 2021.

This Addendum consists of twenty-two (22) pages.

This Addendum Signature Page must be returned with the Contractors bid.

This ends the requirements of this addendum.

This Addendum No. 2 has been prepared by:



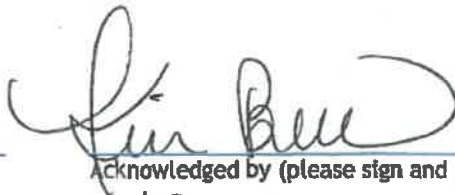
Brock Sutton

Contractor's Acknowledgement:

CURRAN CONTRACTING

Firm Name (please print)

END OF ADDENDUM NO. 2



Acknowledged by (please sign and print)

KIM BANOWSKI

O:\DeKalb, City of\21-106 - 2021 MFT Streets program\Engineering\2021 Streets\Bid Docs\Addenda\Addendum No. 2\21-106 DeKalb Streets 2021 Addendum No. 2 eBidDoc 7626753.docx



Illinois Department
of Transportation

Local Public Agency
Formal Contract Proposal



COVER SHEET

Proposal Submitted By:

Contractor's Name

Curran Contracting Company

Contractor's Address

286 Memorial Court

City

Crystal Lake

State

IL

Zip Code

60014

STATE OF ILLINOIS

Local Public Agency

DeKalb

County

DeKalb

Section Number

21-00000-00-GM

Route(s) (Street/Road Name)

DeKalb Streets 2021

Type of Funds

MFT

☐ Proposal Only ☒ Proposal and Plans ☐ Proposal only, plans are separate

Submitted/Approved

For Local Public Agency:

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature

Date

Submitted/Approved

County Engineer/Superintendent of Highways

Date

For a Municipal Project

Submitted/Approved/Passed

Signature

Date

[Signature]

2-16-21

Official Title

City Engineer

/ Zachary Gill

Department of Transportation

Released for bid based on limited review

Regional Engineer Signature

Date

[Signature]

2/17/2021

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
DeKalb	DeKalb	21-00000-00-GM	DeKalb Streets 2021

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of City Engineer, City of DeKalb,

1216 Market Street, DeKalb, IL 60115
 Address until 11:00 AM on 03/11/21
 Name of Office Time Date

Sealed proposals will be opened and read publicly at the office of City Engineer, City of DeKalb

1216 Market Street, DeKalb, IL 60115
 Address at 11:00 AM on 03/11/21
 Name of Office Time Date

DESCRIPTION OF WORK

Location	Project Length
DeKalb Streets 2021	9,240

Proposed Improvement

BASE BID: This project includes various streets throughout the City of DeKalb. The main routes of this project are Taylor Street from the Lions Park Entrance to South 1st Street, South 1st Street from Taylor Street to Lincoln Highway, and North 1st Street from Lincoln Highway to Augusta Avenue. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, and ADA ramp installations. Various Alley improvements will be determined by the City Engineer.

ALTERNATE BID #1: The mandatory alternate bid includes South 7th Street from Franklin Street to Lincoln Highway in DeKalb IL. Improvements include HMA pavement removal / replacement, sanitary manhole reconstructions, and thermoplastic striping.

ALTERNATE BID #2

The mandatory alternate bid includes South 6th Street from Roosevelt Street to Grove Street in DeKalb, IL. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, thermoplastic striping, and ADA ramp installations.

1. Plans and proposal forms will be available in the office of

Fehr Graham, 515 Lincoln Highway, Rochelle, IL 61068 for a non-refundable fee of \$100. Also available electronically at www.fehr-graham.com for a non-refundable fee of \$25.

2. ☒ Prequalification

If checked, the 2 apparent as read low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57) in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and two originals with the IDOT District Office.

3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.

4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:

- Local Public Agency Formal Contract Proposal (BLR 12200)
- Schedule of Prices (BLR 12201)
- Proposal Bid Bond (BLR 12230) (if applicable)
- Apprenticeship or Training Program Certification (BLR 12325) (do not use for project with Federal funds.)
- Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)

5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.

6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an

in depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.

7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
DeKalb	DeKalb	21-00000-00-GM	DeKalb Streets 2021

PROPOSAL

1. Proposal of Curran Contracting Company

Contractor's Name

286 Memorial Court, Crystal Lake, IL 60014

Contractor's Address
2. The plans for the proposed work are those prepared by Fehr Graham
and approved by the Department of Transportation on Feb 17, 2021
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work within _____ working days or by 09/15/21 unless additional time is granted in accordance with the specifications.
6. The successful bidder at the time of execution of the contract will _____ be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.
7. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.
8. The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.
9. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.
10. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will _____ be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: City _____ Treasurer of City of DeKalb _____
The amount of the check is _____ (5%).

Attach Cashier's Check or Certified Check Here

In the event that one proposal guaranty check is intended to cover two or more bid proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual bid proposal. If the proposal guaranty check is placed in another bid proposal, state below where it may be found.

The proposal guaranty check will be found in the bid proposal for: Section Number _____

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
DeKalb	DeKalb	21-00000-00-GM	DeKalb Streets 2021

CONTRACTOR CERTIFICATIONS

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

- Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
- Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense, or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or Local government. No corporation shall be barred from contracting with any unit of State or Local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

- Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
- Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.



Schedule of Prices



Contractor's Name

CURRAN CONTRACTING COMPANY

Contractor's Address

286 MEMORIAL COURT

City

CRYSTAL LAKE

IL

60014

Local Public Agency

DeKalb

County

DeKalb

Section Number

21-00000-00-GM

Route(s) (Street/Road Name)

DeKalb Streets 2021 - 1st Street and Taylor Street - Base Bid

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid (For complete information covering these items, see plans and spec)

Item Number	Items	Unit	Quantity	Unit Price	Total
20101400	NITROGEN FERT NUTR	POUND	17.00	3	\$ 51.00
20101500	PHOSPHORUS FERT NUTR	POUND	17.00	3	\$ 51.00
20101600	POTASSIUM FERT NUTR	POUND	17.00	3	\$ 51.00
21101615	TOPSOIL F & P 4	SQYD	844.00	7	\$ 5,908.00
25000110	SEEDING CL 1A	ACRE	0.20	7500	\$ 1,500.00
25100630	EROSION CONTR BLANKET	SYD	844.00	2.5	\$ 2,110.00
28000500	INLET & PIPE PROTECT	EACH	62.00	77.5	\$ 4,805.00
35800200	AGG BASE REPAIR	TON	565.00	35	\$ 19,775.00
40600290	BIT MATLS TACK CT	POUND	30585.00	0.01	\$ 305.85
40603085	HMA BC IL-19.0 C N70	TON	3376.00	50	\$ 168,800.00
40604000	HMA SC IL-9.5FG C N50	TON	508.00	68	\$ 34,544.00
40604050	HMA SC IL-9.5 C N50	TON	1325.00	63	\$ 83,475.00
40604052	HMA SC IL-9.5 C N70	TON	2025.00	61	\$ 123,525.00
42400200	PC CONC SIDEWALK 5	SQ FT	3900.00	7.55	\$ 29,445.00
42400800	DETECTABLE WARNINGS	SQFT	350.00	35	\$ 12,250.00
44000157	HMA SURF REM 2	SQYD	11650.00	2.4	\$ 27,960.00
44000165	HMA SURF REM 4	SQYD	23485.00	3.05	\$ 71,629.25
44000500	COMB CURB GUTTER REM	FOOT	600.00	18	\$ 10,800.00
44000600	SIDEWALK REM	SQ FT	3900.00	4	\$ 15,600.00
44201683	CL D PATCH T3 3	SQYD	878.00	30	\$ 26,340.00
60255500	MAN ADJUST	EACH	20.00	575	\$ 11,500.00
60260100	INLET ADJUST	EACH	16.00	554	\$ 8,864.00
60266600	VALVE BOX ADJUST	EACH	8.00	700	\$ 5,600.00
60603800	COMB CC&G TB6.12	FOOT	600.00	32.6	\$ 19,560.00
67100100	MOBILIZATION	LSUM	1.00	58500	\$ 58,500.00

DeKalb Streets 2021 - 1st Street and Taylor Street - Base Bid						
70107025	CHANGEABLE MESSAGE SN	CAL DA	14.00	55	\$	770.00
70300510	PAVT MARK TAPE T3 L&S	SQFT	200.00	1	\$	200.00
70300520	PAVT MARK TAPE T3 4	FOOT	4000.00	1.3	\$	5,200.00
70300570	PAVT MARK TAPE T3 24	FOOT	200.00	3.15	\$	630.00
78000100	THPL PVT MK LTR & SYM	SQ FT	575.00	5	\$	2,875.00
78000200	THPL PVT MK LINE 4	FOOT	19835.00	0.55	\$	10,909.25
78000400	THPL PVT MK LINE 6	FOOT	1600.00	1.07	\$	1,712.00
78000500	THPL PVT MK LINE 8	FOOT	530.00	1.66	\$	879.80
78000650	THPL PVT MK LINE 24	FOOT	300.00	5	\$	1,500.00
88600100	DET LOOPT1	FOOT	480.00	16.3	\$	7,824.00
X0100022	TILL RESHAPE & C RB	SQYD	3600.00	3.75	\$	13,500.00
X0326806	WASHOUT BASIN	EACH	1.00	2000	\$	2,000.00
X6025600	MAN ADJUST SPL	EACH	21.00	1344	\$	28,224.00
X6026051	SAN MAN RECONST	EACH	14.00	3642	\$	50,988.00
X7010216	TRAF CONT & PROT SPL	LSUM	1.00	6250	\$	6,250.00
Z0004005	FIBER ASPHALT	POUND	3040.00	8.7	\$	26,448.00
Z0033700	LONG JOINT SEALANT	FOOT	10915.00	2.4	\$	26,196.00
Z0048665	RR PROT LIABILITY INS	LSUM	1.00	6500	\$	6,500.00
78003110	PREF PL PM TB LINE 4	FOOT	2530.00	3.85	\$	9,740.50
X7830070	GRV RCSD PVT MRKG	FOOT	2530.00	0.5	\$	1,265.00
Bidder's Total Proposal					\$	946,560.65

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.



Schedule of Prices



Contractor's Name

CURRAN CONTRACTING COMPANY

State Zip Code

286 MEMORIAL COURT

CRYSTAL LAKE

IL

60014

Local Public Agency

DeKalb

County

DeKalb

Section Number

21-00000-00-GM

Route(s) (Street/Road Name)

DeKalb Streets 2021 - 7th Street - Alternate Bid 1

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
28000500	INLET & PIPE PROTECT	EACH	11.00	77.5	\$ 852.50
35800200	AGG BASE REPAIR	TON	170.00	35	\$ 5,950.00
40600290	BIT MATLS TACK CT	POUN	4610.00	0.01	\$ 46.10
40603085	HMA BC IL-19.0 N70	TON	450.00	64	\$ 28,800.00
40604052	HMA SC IL-9.5 C N70	TON	359.00	70	\$ 25,130.00
44000165	HMA SURF REM 4	SQYD	3566.00	4.8	\$ 17,116.80
44200050	CL D PATCH T3 3	SQYD	178.00	30	\$ 5,340.00
60255500	MAN ADJUST	EACH	9.00	535	\$ 4,815.00
60260100	INLET ADJUST	EACH	5.00	435	\$ 2,175.00
60266600	VALVE BOX ADJUST	EACH	4.00	592	\$ 2,368.00
67100100	MOBILIZATION	LSUM	1.00	16500	\$ 16,500.00
78000100	THPL PVT MK LTR & SYM	SQFT	30.00	5	\$ 150.00
78000200	THPL PVT MK LINE 4	FOOT	2210.00	0.55	\$ 1,215.50
78000400	THPL PVT MK LINE 6	FOOT	732.00	1.1	\$ 805.20
78000500	THPL PVT MK LINE 8	FOOT	93.00	1.7	\$ 158.10
78000650	THPL PVT MK LINE 24	FOOT	210.00	5	\$ 1,050.00
88600100	DET LOOP T1	FOOT	80.00	16.3	\$ 1,304.00
X6025600	MAN ADJ SPL	EACH	4.00	2988	\$ 11,952.00
X6026051	SAN MAN RECONST	EACH	4.00	4653	\$ 18,612.00
X7010216	TRAF CONT & PROT SPL	LSUM	1.00	600	\$ 600.00
Z0004005	FIBER ASPHALT	POUN	359.00	8.7	\$ 3,123.30
Bidder's Total Proposal					\$ 148,063.50

1. Each pay item should have a unit price and a total price.

DeKalb Streets 2021 - 7th Street - Alternate Bid 1

2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.



Schedule of Prices



Contractor's Name CURRAN CONTRACTING COMPANY			
Contractor's Address 286 MEMORIAL COURT	City CRYSTAL LAKE	State IL	Zip Code 60014
Local Public Agency DeKalb	County DeKalb	Section Number 21-00000-00-GM	
Route(s) (Street/Road Name) DeKalb Streets 2021 - 6th Street - Alternate 2			

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
20101400	NITROGEN FERT NUTR	POUND	9.00	3.00	\$ 27.00
20101500	PHOSPHORUS FERT NUTR	POUND	9.00	3.00	\$ 27.00
20101600	POTASSIUM FERT NUTR	POUND	9.00	3.00	\$ 27.00
21101615	TOPSOIL F & P 4	SQYD	484.00	7.00	\$ 3,388.00
25000110	SEEDING CL 1A	ACRE	0.10	10000.00	\$ 1,000.00
25100630	EROSION CONTR BLANKET	SYD	484.00	5.00	\$ 2,420.00
28000500	INLET & PIPE PROTECT	EACH	11.00	77.50	\$ 852.50
35800200	AGG BASE REPAIR	TON	170.00	35.00	\$ 5,950.00
40600290	BIT MATLS TACK CT	POUND	4626.00	0.01	\$ 46.26
40604000	HMA SC IL-9.5FG C N50	TON	222.00	73.00	\$ 16,206.00
40604050	HMA SC IL-9.5 C N50	TON	443.00	66.00	\$ 29,238.00
42400200	PC CONG SIDEWALK 5	SQFT	800.00	7.55	\$ 6,040.00
42400800	DETECTABLE WARNINGS	SQFT	170.00	35.00	\$ 5,950.00
44000157	HMA SURF REM 2	SQYD	5141.00	3.15	\$ 16,194.15
44000500	COMB CURB GUTTER REM	FOOT	300.00	18.00	\$ 5,400.00
44000600	SIDEWALK REM	SQFT	800.00	4.00	\$ 3,200.00
44201683	CL D PATCH T3 3	SQYD	125.00	30.00	\$ 3,750.00
60255500	MAN ADJUST	EACH	8.00	519.00	\$ 4,152.00
60260100	INLET ADJUST	EACH	1.00	660.00	\$ 660.00
60266600	VALVE BOX ADJUST	EACH	4.00	502.00	\$ 2,008.00
60603800	COMB CC&G TB6.12	FOOT	300.00	32.60	\$ 9,780.00
671001000	MOBILIZATION	LSUM	1.00	17000.00	\$ 17,000.00
78000400	THPL PVT MK LINE 6	FOOT	784.00	1.10	\$ 862.40
78000650	THPL PVT MK LINE 24	FOOT	150.00	5.00	\$ 750.00
X6025600	MAN ADJ SPL	EACH	2.00	1065.00	\$ 2,130.00

DeKalb Streets 2021 - 6th Street - Alternate 2					
Item Number	Items	Unit	Quantity	Unit Price	Total
X6026051	SAN MAN RECONST	EACH	3.00	4691.00	\$ 14,073.00
X7010216	TRAF CONT & PROT SPL	LSUM	1.00	1400.00	\$ 1,400.00
Z0004005	FIBER ASPHALT	LB	443.00	8.70	\$ 3,854.10
Bidder's Total Proposal					\$ 156,385.41

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
DeKalb	DeKalb	21-00000-00-GM	DeKalb Streets 2021

SIGNATURES

(If an individual)

Signature of Bidder	Date
Business Address	
City	State Zip Code

(If a partnership)

Firm Name	
Signature	Date
Title	
Business Address	
City	State Zip Code

Insert the Names and Addresses of all Partners

(If a corporation)



Corporate Name	
Curran Contracting Company	
Signature	Date
<i>Michael Pachla</i>	3/10/2021
Title	
Michael Pachla, Vice President	

Business Address

286 Memorial Court

City

Crystal Lake

State

IL

Zip Code

60014

Insert Names of Officers

President

Rick Noe

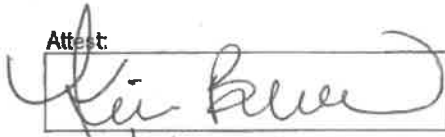
Secretary

Catherine C. Curran

Treasurer

Todd Gierke

Attest:


Secretary



**Illinois Department
of Transportation**

**Local Public Agency
Proposal Bid Bond**

Local Public Agency DeKalb	County DeKalb	Section Number 21-00000-00-GM
--------------------------------------	-------------------------	---

WE, Curran Contracting Company 286 Memorial Court, Crystal Lake, IL 60014 as PRINCIPAL, and Continental Casualty Company 151 N. Franklin Street, Chicago, IL 60606 as SURETY, are held jointly, severally and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids, whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LPA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LPA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LPA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LPA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LPA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 11th of March, 2021
Day Month and Year

Principal

Company Name

Curran Contracting Company

Signature

Date

Signature

Date

By:

Michael Poll

3/11/2021

Title

MICHAEL POLL, VICE PRESIDENT

(If Principal is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Surety

Name of Surety

Continental Casualty Company

Signature of Attorney-in-Fact

Date

By:

Kimberly Bragg

Kimberly Bragg

3/11/2021

STATE OF Illinois
COUNTY OF Cook

Susan K. Landreth

, a Notary Public in and for said county do hereby

and Kimberly Bragg

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 11th day of March, 2021
Day Month and Year

(SEAL)

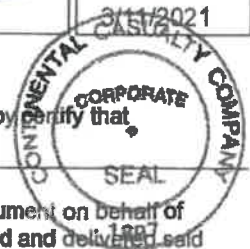


Notary Public Signature

Susan K. Landreth

Susan K. Landreth

Date commission expires May 18, 2023



Local Public Agency

County _____

Section Number

DeKalb

DeKalb

21-00000-00-GM

ELECTRONIC BID BOND

☐ **Electronic bid bond is allowed (box must be checked by LPA if electronic bid bond is allowed)**

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LPA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

Electronic Bid Bond ID Code

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

[illegible]

Signature

Date _____

--	--

Title

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company (herein called "the CNA Companies"), are duly organized and existing insurance companies having their principal offices in the City of Chicago, and State of Illinois, and that they do by virtue of the signatures and seals herein affixed hereby make, constitute and appoint

Kimberly Bragg , Individually

of Chicago, IL their true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on their behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

Surety Bond No.: Bid Bond
Principal: Curran Contracting Company
Obligee: City of DeKalb

and to bind them thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of their insurance companies and all the acts of said Attorney, pursuant to the authority hereby given is hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law and Resolutions, printed on the reverse hereof, duly adopted, as indicated, by the Boards of Directors of the insurance companies.

In Witness Whereof, the CNA Companies have caused these presents to be signed by their Vice President and their corporate seals to be hereto affixed on this 27th day of February, 2018.



Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

Paul T. Bruflat Vice President

State of South Dakota, County of Minnehaha, ss:

On this 27th day of February, 2018, before me personally came Paul T. Bruflat to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company described in and which executed the above instrument; that he knows the seals of said insurance companies; that the seals affixed to the said instrument are such corporate seals; that they were so affixed pursuant to authority given by the Boards of Directors of said insurance companies and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said insurance companies.



My Commission Expires June 23, 2021

J. Mohr Notary Public

CERTIFICATE

I, D. Johnson, Assistant Secretary of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that the By-Law and Resolution of the Board of Directors of the insurance companies printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said insurance companies this 11th day of March, 2021.



Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

D. Johnson Assistant Secretary

Form F6853-4/2012

Go to www.cnasurety.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.

Authorizing By-Laws and Resolutions

ADOPTED BY THE BOARD OF DIRECTORS OF CONTINENTAL CASUALTY COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company at a meeting held on May 12, 1995:

"RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Brufat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of Continental Casualty Company.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25th day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers") to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. "

ADOPTED BY THE BOARD OF DIRECTORS OF NATIONAL FIRE INSURANCE COMPANY OF HARTFORD:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

"RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Brufat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of National Fire Insurance Company of Hartford.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25th day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers") to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. "

ADOPTED BY THE BOARD OF DIRECTORS OF AMERICAN CASUALTY COMPANY OF READING, PENNSYLVANIA:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

"RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Brufat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of American Casualty Company of Reading, Pennsylvania.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25th day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers") to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. "

Local Public Agency	Local Street/Road Name	County	Section Number
DeKalb	DeKalb Streets 2021	DeKalb	21-00000-00-GM

1. THIS AGREEMENT, made and concluded the _____ day of _____ between the _____ of _____, known as the party of the first part, and _____, known as the party of the second part.
2. For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.
3. It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section 21-00000-00-GM in DeKalb, approved by the Illinois Department of Transportation on _____, are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The _____ of _____
Local Public Agency Type Name of Local Public Agency

Clerk	Date

(SEAL)

Party of the First Part	Date
By:	

(If a Corporation)

Corporate Name

President, Party of the Second Part	Date
By:	

(SEAL)

(If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part
By:

(If a Partnership)

Partner	Date

Attest:

Secretary	Date

(SEAL)

Partner	Date

Partners doing Business under the firm name of
Party of the Second Part

--

(If an individual)

Party of the Second Part	Date



Illinois Department of Transportation

Contract Bond



Local Public Agency	County	Street Name/Road Name	Section Number
DeKalb	DeKalb	DeKalb Streets 2021	21-00000-00-GM

Bond information to be returned to Local Public Agency at City Eng., City of DeKalb, 1216 Market St., DeKalb, IL 60115
Complete Address

We, _____
Contractor's Name and Address

a/an _____ organized under the laws of the State of _____ as PRINCIPAL, and
State

Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of

Dollars (_____) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves, successors and assigns jointly to pay to the LPA this sum under the conditions of this instrument.

WHEREAS, THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that the said Principal has entered into a written contract with the LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW, THEREFORE, if the said Principal shall perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LPA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective agents this _____ day of _____
Day Month and Year

PRINCIPAL

Company Name

By
Signature & Title Date

Attest
Signature & Title Date

Company Name

By
Signature & Title Date

Attest
Signature & Title Date

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of individuals signing on behalf of PRINCIPAL
who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____ Month, Year

(SEAL)

Notary Public Signature

Date commission expires _____

SURETY

Name of Surety

Title

By:

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of individuals signing on behalf of PRINCIPAL
who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____ Month, Year

(SEAL)

Notary Public Signature

Date commission expires _____

Approved this _____ day of _____ Month, Year

Attest:

Local Public Agency Clerk Signature

Date

Awarding Authority

DeKalb

Awarding Authority Signature

Date

Municipality

Clerk

Local Public Agency Type



Affidavit of Availability
For the Letting of 1/15/2021
(Letting date)

Indicate/Complete this form by either typing or using black ink. "Availability for Bid" will not be based solely on the date of this form as completed in field. Use additional lines as needed at end of table.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending work not yet awarded or rejected, in a bid window, for only that portion of work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent opportunity or contract document, and must include work subcontracted to others. If no work is remaining, enter 0.00.

	1	2	3	4	Awards Pending
County	Kane	DeKalb	DeKalb	Lake	
Contract Number	476401M13	5466001	3161	00-30-0015	
Contractor With	Barton Shaw	Mortenson	Mortenson	Cacciatore	
Estimated Completion Date	8/1/2021	12/31/2021	8/31/2021	8/30/2021	
Total Contract Price	276,669.00	30,839,679.00	793,449.00	723,340.00	Accumulated Total:
Uncompleted Dollar Value If Firm is the Prime Contractor				148,783.00	148,783.00
Uncompleted Dollar Value If Firm is the Subcontractor	11,889.00	6,010,000.00	495,041.00		6,506,930.00
Total Value of All Work					8,102,814.00

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted distribution of work for each contract and award pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a bid window, list only that portion of the work to be done by your company. If no work is awarded, enter 0.00.

	1	2	3	4	Accumulated Total
Barriework	8,000.00	5,000,000.00	60,000.00	18,110.00	5,076,110.00
Paved and Concrete Curbside Paving					0.00
NMA Plant Mix			60,000.00		60,000.00
NMA Paving				82,434.00	82,434.00
Clean & Seal Cracks/Joints					0.00
Aggregate Bases & Surfaces	7,000.00	4,000,000.00	190,000.00		4,197,000.00
Highway R.R. & Waterway Structures					0.00
Drainage					0.00
Electrical					0.00
Cover and Seal Coats					0.00
Concrete Construction					0.00
Landscaping					0.00
Paving					0.00
Gravel					0.00
Painting					0.00
Signage					0.00
Cut Milling, Planing & Resurfacing					0.00
Drainage					0.00
Reversed Marriages (Paving)					0.00
Field Office					0.00
Traffic Control					0.00
Other Construction					0.00
Totals	12,000.00	9,000,000.00	310,400.00	78,544.00	9,400,944.00

Continuation of this information is required on the reverse of this form as needed by the "Work Performance Code". Failure to comply will result in your contract being voided. This form has been approved by the State Finance Management Council.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor	None	Class Of Two Starline	ESOR & Wood	ADH	
Type of Work		Tree Removal	Site Concrete	Concrete	
Subcontract Price		4,400.00	100,000.00	41,538.00	
Amount Uncompleted			100,000.00	30,000.00	
Subcontractor		Joe Cooling	Joe Cooling	Arjuna	
Type of Work		Site Work	Site Work & Road	Landscaping	
Subcontract Price		91,100.00	11,470.00	18,857.00	
Amount Uncompleted			8,000.00	12,000.00	
Subcontractor		ML Carmel	James' Bookkeeping	Star & Sons	
Type of Work		Construction	Bookkeeping	Underground	
Subcontract Price		3,887,110.00	1,000.00	225,000.00	
Amount Uncompleted			1,000.00	20,000.00	
Subcontractor		Wick			
Type of Work		Demolition			
Subcontract Price		22,000.00			
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	118,000.00	71,000.00	0.00

I, being duly sworn, do hereby declare the amount in a true and correct statement relating to ALL uncompleted projects of the undersigned for Federal, State, County, City and public work, including ALL subcontract work, ALL pending and ALL awarded and ALL estimated completion dates.

Subscribed and sworn to before me

21st day of January 21
Jacqueline M. Wallace
Notary Public
My commission expires: 2-28-24

Type or Print Name Michael Pacheco, Vice President

Signature [Signature]

Company Curran Contracting Company

Address 285 Memorial Court

Crystal Lake, IL 60014





Affidavit of Availability
For the Letting of 1752021
(Letting date)

Authorizations: Complete this form by either typing or using block letters. "Not Public" in this field will not be printed unless both sides of this form are completed in detail. This additional form is required for all work.

Part I. Work Under Contract

All below work under contract or other to perform under contract. It is required to include all existing work that is not completed or rejected, in a job value, but only that portion of work which is the subject of your contract. The uncompleted dollar value to be listed upon the small round engineer's or owner's return, not that which is not subcontracted to others. If no work is completed, show NONE.

	1	2	3	4	Awards Pending
County	Willasago				
Contract Number	175-10-4803				
Contract With	STHA				
Estimated Completion Date	5/12/2021				
Total Contract Price	4,531,615.00				
Uncompleted Dollar Value if Firm is the Prime Contractor	250,000.00				250,000.00
Uncompleted Dollar Value if Firm is the Subcontractor					149,753.00
Total Value of All Work					399,753.00

Part II. Awards Pending and Uncompleted Work to be done with your own force.

List below the uncompleted dollar value of work for each contract and award in pending to be completed with your own force. All work subcontracted to others will be listed on the reverse of this form. In a job return, list only that portion of the work to be done by your company. If no work is completed, show NONE.

	1	2	3	4	Awards Pending
Earthwork					1,081,118.00
Perforated Concrete Paving					0.00
HMA Plant Mix					90,568.00
HMA Paving					65,424.00
Grass & Soil Gravel/Gravel					0.00
Aggregate Base & Surface					4,167,133.00
Hot R.R. & Waterway Structures					0.00
Drainage					0.00
Electricity					0.00
Cover and Seal Coats					0.00
Concrete Construction					0.00
Landscape					0.00
Fencing					0.00
Guardrail					0.00
Paving					0.00
Signage					0.00
Gold Milling, Planing & Resurfacing					0.00
Demolition					0.00
Permanent Markings (Paint)					0.00
Field Office					0.00
Traffic Control					0.00
Other Construction					0.00
Totals	0.00	0.00	0.00	0.00	5,491,333.00

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Public Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid". This form has been approved by the State Forms Management Office.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor	Midwest Coat	Engel Electric			
Type of Work	Traffic Control/Signage	Electric			
Subcontract Price	528,787.00	2,752.00			
Awards Uncompleted					
Subcontractor	Kigo	Artesia			
Type of Work	Signage	Landscaping			
Subcontract Price	731,980.00	159,102.00			
Awards Uncompleted	200,000.00				
Subcontractor	Ntrak Group	AG Pavement Strip			
Type of Work	1/2" Gravel 18" SW 1/4	Microseal/Seal Crack			
Subcontract Price	387,807.20	952,369.24			
Awards Uncompleted					
Subcontractor	Protek LLC				
Type of Work	Joint Sealant				
Subcontract Price	48,834.00				
Awards Uncompleted					
Subcontractor	Solymedex Asphalt				
Type of Work	Resurfacing				
Subcontract Price	75,000.00				
Awards Uncompleted					
Subcontractor	Industrial Fence				
Type of Work	Guardrail				
Subcontract Price	41,844.00				
Awards Uncompleted					
Subcontractor	Steger Daylight				
Type of Work	Sewer Clean				
Subcontract Price	117,412.00				
Awards Uncompleted	70,000.00				
Total Uncompleted		250,000.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit, has been read and correct statement relating to ALL uncompleted work of the undersigned by Federal, State, County, City and private work, including ALL subcontract work, ALL pending but not yet awarded or rejected and ALL uncompleted work.

Subscribed and sworn to before me

on 21st JANUARY, 2021

Signature of Notary Public
Notary Public

My commission expires: 8-28-24

Witness (s)

Type or Print Name Michael Pachla, Vice President

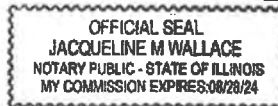
Office or Director Illinois

Signature Michael Pachla

Company Cumco Contracting Company

Address 286 Memorial Court

Crystal Lake, IL 60014



OFFICIAL SEAL
JACQUELINE M WALLACE
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:08/28/24



**Illinois Department
of Transportation**

Certificate of Eligibility

Curran Contracting Company
286 Memorial Court Crystal Lake, IL 60014

Contractor No 1305

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED

SUPER UNLIMITED

001	EARTHWORK	\$39,975,000
003	HMA PLANT MIX	Unlimited
012	DRAINAGE	\$3,650,000
017	CONCRETE CONSTRUCTION	\$4,625,000
032	COLD MILL PLAN. & ROTOMILL	\$8,075,000
08A	AGGREGATE BASES & SURF. (A)	\$5,550,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 4/9/2020 TO 4/30/2021 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION. ISSUED AT SPRINGFIELD, ILLINOIS ON 4/10/2020.

Tim Kell
Engineer of Construction



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/5/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
The Horton Group
10320 Orland Parkway
Orland Park IL 60467

CONTACT NAME: Certificates Team

PHONE
(A/C, No. Ext): 708-845-3917

FAX
(A/C, No): 708-845-3001

E-MAIL ADDRESS: constructioncerts@thehortongroup.com

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: Berkley Assurance Company

39462

INSURER B: Arch Insurance Company

11150

INSURER C: The Travelers Property Casualty Insurance Company

25674

INSURER D: National Fire & Marine Insurance Company

20079

INSURER E:

INSURER F:

INSURED
Curran Contracting Company
286 Memorial Court
Crystal Lake IL 60014

CURRA-3

COVERAGES

CERTIFICATE NUMBER: 67874015

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC	Y	Y	41PKG89536	10/1/2020	10/1/2021	EACH OCCURRENCE \$ 5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 5,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 5,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	Y	Y	41PKG89536	10/1/2020	10/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
D	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 25,000	Y	Y	42-UMC-308949-02	10/1/2020	10/1/2021	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
B B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input checked="" type="checkbox"/> N N/A	Y	Y	41WCI89534 - AOS 44WCI89535 - CA, DC, IL, IN, KY, MD, MN MO, OR, TX	10/1/2020 10/1/2020	10/1/2021 10/1/2021	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C A	Leased & Rented Equipment Pollution/Professional			QT6600P879384 PCAB-5012823-1020	10/1/2020 10/1/2020	10/1/2021 10/1/2021	Limit Limit 500,000 5,000,000

DESCRIPTION OF OPERATIONS / LOGATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The coverage and limits conform to the minimums required by Article 107.27 of the Standard Specifications for Road and Bridge Construction. Additional insured on a primary non contributory basis with respect to general liability and auto liability only when required by written contract. Waiver of subrogation in favor of the additional insureds will apply to general liability, auto liability and workers compensation where permitted by law and only when required by written contract. Excess follows form.

CERTIFICATE HOLDER

CANCELLATION

Proof of Insurance

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Local Public Agency	County	Street Name/Road Name	Section Number
DeKalb	DeKalb	DeKalb Streets 2021	21-00000-00-GM

All contractors are required to complete the following certification

- ☒ For this contract proposal or for all bidding groups in this deliver and install proposal.
☐ For the following deliver and install bidding groups in this material proposal.

Illinois Department of Transportation policy, adopted in accordance with the provisions of the Illinois Highway Code, requires this contract to be awarded to the lowest responsive and responsible bidder. The award decision is subject to approval by the Department. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders and all bidder's subcontractors to disclose participation in apprenticeship or training programs that are (1) approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and (2) applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

1. Except as provided in paragraph 4 below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.
2. The undersigned bidder further certifies, for work to be performed by subcontract, that each of its subcontractors either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.
3. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

Central Laborers' Pension, Welfare and Annuity Funds Local #'s 32 & 727, North Central Illinois Laborers' Health and Welfare Fund Local #'s 32 & 727, Fox Valley & Vicinity Laborers' Health and Welfare and Pension Funds Local #'s 1035 & 582, Laborers' Pension and Welfare Funds for Chicago and Vicinity Local #152, Suburban Teamsters of Northern Illinois Welfare and Pension Funds Local #330, Chauffeurs, Teamsters, and Helpers Local Union No. 301, I. B. of T. Local #301, Midwest Operating Engineers, Local #150

4. Except for any work identified above, if any bidder or subcontractor shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforces and positions of ownership. ☐

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. The Department at any time before or afterward may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. In order to fulfill the participation requirement, it shall not be necessary that any applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract or deliver and install proposal.

Bidder

Curran Contracting Company

Title

Michael Pachla, Vice President

Signature

Michael Pachla

Date

3/10/2021

Address

286 Memorial Court

City

Crystal Lake

State

IL

Zip Code

60014



**Illinois Department
of Transportation**

Affidavit of Illinois Business Office



Local Public Agency	County	Street Name/Road Name	Section Number
DeKalb	DeKalb	DeKalb Streets 2021	21-00000-00-GM

I, Michael Pachla of Crystal Lake, Illinois
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

1. That I am the Vice President of Curran Contracting Company.
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, Curran Contracting Company, will maintain a business office in the
Bidder
 State of Illinois, which will be located in McHenry County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature	Date
	3/10/2021
Print Name of Affiant	
Michael Pachla, Vice President	

Notary Public

State of IL

County McHenry

Signed (or subscribed or attested) before me on 3/10/2021 by
(date)

Mike Pachla, authorized agent(s) of
(name/s of person/s)

Curran Contracting Company
Bidder

Signature of Notary Public

(SEAL)



My commission expires

12/22/2024

Request for Taxpayer Identification Number and Certification

Go to www.irs.gov/FormW9 for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Curran Contracting Company

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☒ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶

Notes: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) 5

Exemption from FATCA reporting code (if any)

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

286 Memorial Court

6 City, state, and ZIP code

Crystal Lake, IL 60014

7 List account number(s) here (optional)

Requester's name and address (optional)

Print or type.
See Specific instructions on page 3.

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

OR

Employer identification number

3 6 - 3 5 0 6 1 1 9

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here

Signature of U.S. person ▶

Date ▶

1/1/2021

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

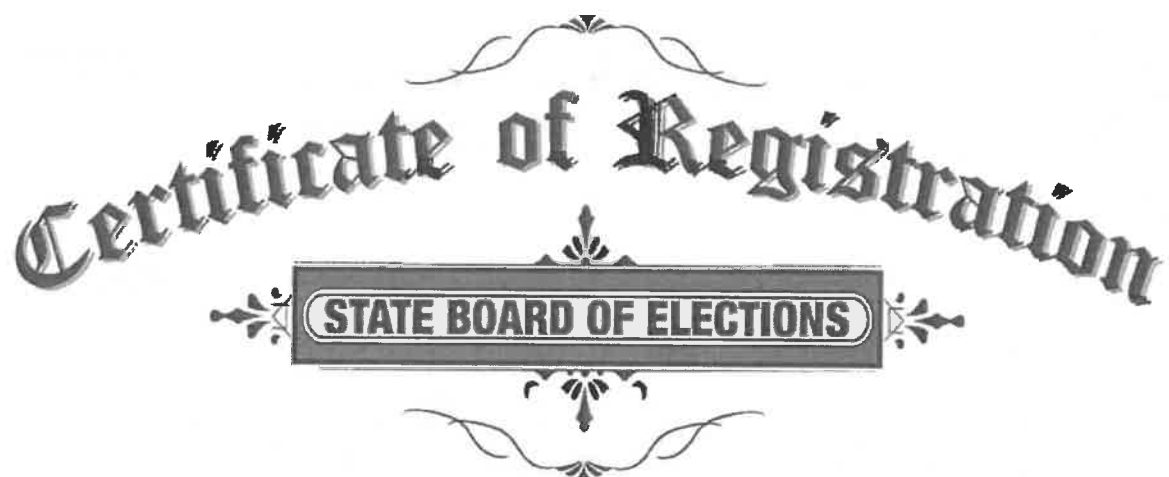
An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien) to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What Is Backup Withholding*, later.



Registration No. 11205

Curran Contracting Company

286 Memorial Court

Crystal Lake IL 60014

Information for this business last updated on:

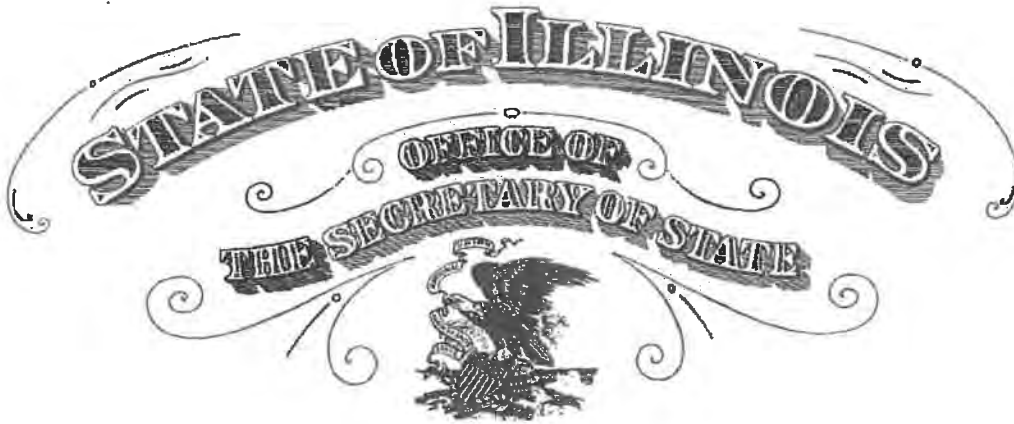
Friday, February 16, 2018

Certificate produced on Friday, February 16, 2018 at 1:29 PM



File Number

5461-730-5



To all to whom these Presents Shall Come, Greeting:

I, Jesse White, Secretary of State of the State of Illinois, do hereby certify that I am the keeper of the records of the Department of Business Services. I certify that

CURRAN CONTRACTING COMPANY, A DOMESTIC CORPORATION, INCORPORATED UNDER THE LAWS OF THIS STATE ON APRIL 06, 1987, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE, AND AS OF THIS DATE, IS IN GOOD STANDING AS A DOMESTIC CORPORATION IN THE STATE OF ILLINOIS.



***In Testimony Whereof, I hereto set
my hand and cause to be affixed the Great Seal of
the State of Illinois, this 9TH
day of JANUARY A.D. 2020 .***

Jesse White

SECRETARY OF STATE

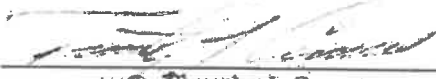
Authentication #: 2000902476 verifiable until 01/09/2021
Authenticate at: <http://www.cyberdriveillinois.com>

UNANIMOUS WRITTEN CONSENT OF THE
BOARD OF DIRECTORS OF
CURRAN CONTRACTING COMPANY
(IN LIEU OF SPECIAL MEETING)


The undersigned, being all of the Directors of CURRAN CONTRACTING COMPANY, an Illinois Corporation (the "Corporation"), acting pursuant to the by-laws of the Corporation and Section 7.20 of the Illinois Business Corporation Act, do consent to the taking of the following actions, in lieu of holding a Special Meeting of the Board of Directors, and waive any notice required to be given in connection with such meeting and do approve and adopt the following resolution:

RESOLVED, that Michael Leopardo, Nicklas Schram, Michael Pachla, and Jeffrey Pennino are each individually authorized to execute and bind this Corporation to all bids, proposals, contracts, and agreements for all construction projects to be performed by the Corporation on behalf of any public or private contracting entity, and that Barbara Bensinger, Natalia Larson, and Kim Bolanowski are each individually authorized to attest as Assistant Secretaries to the signatures of Michael Leopardo, Nicklas Schram, Michael Pachla, and Jeffrey Pennino.


IN WITNESS WHEREOF, the undersigned have executed this Consent and directed that it be placed with the records of the Board of Directors of the Corporation this 5th day of October, 2020.



Timothy J. Curran



Michael J. Curran



Catherine C. Curran

Being all of the Directors
of said Corporation.

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2021

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 4-1-16) (Revised 1-1-21)

SUPPLEMENTAL SPECIFICATIONS

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Check Sheet for Recurring Special Provisions



Local Public Agency	County	Section Number
DeKalb	DeKalb	21-00000-00-GM

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	97
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	100
3	<input type="checkbox"/> EEO	101
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	111
5	<input type="checkbox"/> Required Provisions - State Contracts	116
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The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

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Special Provisions



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The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted

April 1, 2016

, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

Herein after the terms "Owner", "City" or "Engineer" shall mean the City of DeKalb or its designated representative and the term "Contractor" shall mean the entity who proposes to perform the work herein described or its designated subcontractors.

SCOPE OF WORK

BASE BID

This project includes various streets throughout the City of DeKalb. The main routes of this project are Taylor Street from the Lions Park Entrance to South 1st Street, South 1st Street from Taylor Street to Lincoln Highway, and North 1st Street from Lincoln Highway to Augusta Avenue. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, and ADA ramp installations. Various Alley improvements will be determined by the City Engineer.

ALTERNATE BID #1

The mandatory alternate bid includes South 7th Street from Franklin Street to Lincoln Highway in DeKalb IL. Improvements include HMA pavement removal / replacement, sanitary manhole reconstructions, and thermoplastic striping.

ALTERNATE BID #2

The mandatory alternate bid includes South 6th Street from Roosevelt Street to Grove Street in DeKalb, IL. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, thermoplastic striping, and ADA ramp installations.

CONSTRUCTION INSPECTION

Any work performed without the presence of a City designated representative to inspect said construction will not be accepted for payment as directed by the Engineer. The Contractor shall notify the Engineer a minimum of 24 hours in advance of the start of construction or the continuation of construction following a pause in work.

START / COMPLETION DATE

Work may begin on all streets on May 15, 2021. All work shall be completed no later than September 15th, 2021. Work shall initiate on North 1st Street, with work proceeding to the South towards Lincoln Highway.

CONSTRUCTION STAKING/LAYOUT

The Engineer will provide locations of project limits on each street prior to the start of construction. Limits will be painted "white".

Some construction layout will be provided for the contractor's reference, a benchmark will be provided at each ADA corner and limits marked out for removal. However, the contractor is responsible to complete the work as per the provided plans, details, and specifications. All work, especially ADA ramp construction, is to be completed to meet all local, state, and federal requirements related to the American's with Disabilities Act.

EXISTING UTILITIES AND DRAINAGE STRUCTURES LOCATIONS

The City of DeKalb does not guarantee the completeness or accuracy of the information shown on the plans (if applicable) and or specifications (where applicable) regarding location of existing utilities. The contractor shall make his own investigation to verify or determine the existence, nature and location of all utilities on the site that may interfere with construction before starting his operations. The Contractor shall report to the Engineer any omissions or differences in location from that shown on the plans. Care should be taken while working near these utilities to prevent their damage.

J.U.L.I.E.

The Contractor shall notify J.U.L.I.E. (1-800-892-0123) prior to construction so that each utility company can stake out any underground improvements that they have which may interfere with the proposed construction.

PREVAILING WAGE REQUIREMENTS

In accordance with the Public Act 94-0515, the Contractor shall be responsible for the following requirements:

Maintain records for three (3) years of all laborers or workers employed on this project including their name, address, phone number, social security number, classification, hourly wages paid in each pay period, and the number of hours worked each day.

Submit these records to the city clerk in either hard copy or electronically.

Certify in writing these records are true and accurate; that the rate paid is not less than the Applicable Prevailing Wage.

These records shall be made available for inspection by the Illinois Department of Labor on two (2) business days' notice.

The Contractor shall note that filing a false Certified Payroll is a class B misdemeanor.

MAINTENANCE OF TRAFFIC

The maintenance of traffic on the project shall be as follows:

701501-06 701606-10 701611-01 701701-10 701801-06 701901-08

Lane and road closures, the conveyance of thru and local traffic within, and around the construction zones shall be provided in accordance with the use of the above-referenced Highway Standards as directed by the Engineer. Except as otherwise provided herein, the Contractor shall provide at least one entrance/exit point to the commercial and residential properties at all times. The Contractor shall submit his/her proposed sequence of operations and any necessary revisions to attendant traffic control to the Engineer for approval before actual construction operations begin.

All traffic control devices and barricades throughout the project shall remain in place until the entire project location is substantially complete, or as otherwise directed by the Engineer. Any traffic control signage to remain in place longer than seven (7) days shall be post mounted.

Driveways:

Except where the plans expressly authorize temporary complete closures, the Contractor shall keep

driveways open to local traffic by keeping at least half of the width of said driveway open or by providing access at a temporary location, as approved by the Engineer. The Contractor shall provide and maintain access to commercial and private properties abutting the roadway being improved in accordance with Article 107.09 of the Standard Specifications. Access to commercial property shall at no time be shut off completely except as expressly authorized in the plans or as directed by the Engineer.

Removing and Resetting Traffic Signs:

This work shall consist of the removal, relocation, and resetting of traffic signs which interfere with construction operations. This work shall also include the removal, relocation, and resetting of existing wood signs, delineators and other miscellaneous signs which interfere with construction operations. This work shall be performed in accordance with the applicable portions of Article 107.25 of the Standard Specifications and as directed by the Engineer. The Contractor shall remove, temporarily relocate and/or permanently reset existing signs which interfere with the construction operations. This work will not be paid for separately but shall be included in the contract lump sum price of TRAF CONT & PROT SPL. The Engineer will determine which signs will be removed, temporarily relocated and permanently reset.

Brooming Roadway:

All traffic lanes which are closed to through traffic during construction shall be broomed or swept free of all loose gravel or construction debris before the traffic lane is reopened to traffic. All roadway surface conditions shall be approved by the Engineer before they are opened to traffic. This work will not be paid for separately but shall be considered included in the Contractor's scope of work.

GENERAL NOTES

This project shall be constructed in accordance with the plans, specifications, and as detailed below:

Unless otherwise directed in the plans and specifications, at no time shall more than half of the street be under construction. This construction includes structure adjustments, reconstruction, any concrete work in or adjacent to the street, milling, paving, and operations.

The City of DeKalb requires all vendors to maintain a professional working environment at all times. Representatives of the general contractor (including all sub-contractors) are required to treat members of the general public, City of DeKalb employees/elected officials, and other agents of the City with the utmost respect and courtesy at all times. Profanity, intimidation, the use of racial or ethnic slurs, or any other harassment of the general public and representatives of DeKalb is strictly prohibited.

For each documented incident involving the behavior described above, a fine of \$1,500 will be assessed to the general contractor. Further, the employee or employees identified and involved in the incident shall be promptly removed and not allowed to return to work on the project.

Cornfest 2021 is scheduled to take place in downtown DeKalb August 27th - August 29th, 2021. The City Engineer of DeKalb shall be consulted for direction of work beginning no later than August 13th, 2021 to coordinate construction efforts around Cornfest.

SAW CUTS

All saw cuts required by the project shall be considered incidental to the contract.

ITEM #35800200 AGGREGATE BASE REPAIR

This work shall consist of the removal and replacement of any areas of insufficient base course found after milling operations. Included in the quantity for this bid is five percent of the roadway. Areas will be

designated by the Engineer. Insufficient base course shall be identified by base thickness checks and proof rolling, as directed by the Engineer. The contractor shall notify the engineer 48 hours prior to any tests. Proof rolling shall be performed with a fully loaded six-wheeler. If the proof rolled material is deemed unsuitable, the unsuitable material shall be removed to the depth required for new aggregate base. The work shall include excavating and disposing of any surface mixes and base course, furnishing, placing, rolling, and blading 12" of Aggregate Base Course, Type B. The Aggregate Base Course shall include of 8" of CA-2 and 4" of CA-6 crushed limestone as well as the final base preparation for the HMA mixes. This work shall conform to sections 202, 351, 358, and 440 of the "Standard Specifications for Road and Bridge Construction" in Illinois, latest edition.

This work shall be paid for at the contract unit price per ton for AGGREGATE BASE REPAIR.

ITEM #42400100: PORTLAND CEMENT CONCRETE SIDEWALK 5"

This work consists of replacing segments of offset, broken or hazardous sidewalk at locations throughout the city in accordance with Section 424 of the Standard Specification and in accordance with the Illinois Accessibility Code Standards.

Any variable height edge treatments not exceeding 8 inches, including side curb, and back curb along ADA ramps, sidewalk, and landings will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK 5'.

Sidewalk forms shall be constructed of full depth material and struck off along the top edge of the forms.

Removal of tree roots that are causing the sidewalk to heave, shall be considered incidental to this pay item.

No cure and seal compound shall be applied when the air temperature is below 40 degrees or is between 40 and 45 degrees and falling. All concrete poured after November 1 shall meet the requirements of Article 420.18 and Protective Coating shall meet the requirements of Section 1023.

Revise Article 424.08, Curb Ramps to include the following paragraph:

"Where the sidewalk abuts curb and gutter, the sidewalk shall be poured to full depth of the curb and gutter for minimum width of 12 inches. No. 4 rebar shall be drilled and epoxied into the curb to restrict the new sidewalk from settling. No expansion joint will be placed at the curb and gutter but shall be placed at the top of the ramp where it meets the main walk. All new concrete walk shall be pinned to existing walk."

Revise Article 424.10, Backfill to include the following paragraph:

"Restoration of disturbed lawn areas on all sides of the sidewalk shall be with a minimum 4" of and Class 1A seed mixture. All traffic control and barricades protecting unsafe areas shall stay in place until this process is completed. This work shall be done in accordance with Section 250 of the Standard Specifications for Road and Bridge Construction."

Revise Article 424.12, Basis of Payment, to read as follows:

"This work will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK, 5", which price shall include all methods of curing and protective coating, required base course materials, expansion joints, rebar, variable height edge treatment at sidewalk ramps, variable height back curb around sidewalk landings, backfilling sidewalk with compacted topsoil and any removal and disposal of subgrade and/or earth excavation to achieve the proper ADA requirements."

ITEM #42400800 DETECTABLE WARNINGS

This work shall be done in accordance with Section 424 of the Standard Specifications. See the attached technical specifications for DETECTABLE WARNINGS.

This work shall be paid for at the contract unit price per square foot for DETECTABLE WARNINGS.

ITEM #60266600: VALVE BOXES TO BE ADJUSTED

This work shall be done in accordance with Section 602 of the Standard Specifications for Road and Bridge Construction (latest edition) and the attached detail. A full depth saw-cut consisting of a 1'x1' diamond configuration around the center of the valve box shall be completed by the Contractor. The Contractor shall remove the existing pavement/aggregate material to a depth of 10" below the finished grade elevation. The valve shall be adjusted to the finished grade elevation. The Contractor shall fill the 1' by 1' surrounding space with IDOT Approved SI Concrete to a max of 10" deep to the top of the valve box (set at finished grade elevation).

This work shall be paid for at the contract unit price per each for VALVE BOXES TO BE ADJUSTED.

ITEM #60603800: COMBINATION CONCRETE CURB AND GUTTER TB6.12

This work consists replacement of deteriorated curb and gutter segments throughout the city in accordance with Section 606 of the Standard Specifications. For most part, the type of curb is B-6.12 (See City of DeKalb Street Standard ST-100).

Revise Article 606.04 Excavation, to include the following paragraph:

"No additional compensation will be made for over excavation in depth due to operator error, or unsuitable subgrade material. Contractor can pour extra concrete or place compacted aggregate back for the over excavation at their cost."

Revise Article 606.06 Placing Concrete to include the following paragraph:

"Whenever the curb construction is to be across a previously backfilled trench or excavation or across sub-grade of questionable stability, #4, (1/2") reinforcing bars shall be installed to adequately span the area of concern. All bars shall be long enough to extend over the areas of settled sub-grade, flanking the area of concern."

No Cure and Seal compound shall be applied when the air temperature is below 40 degrees or is between 40 and 45 degrees and falling. All concrete poured after November 1st shall meet the requirement of Article 420.18.

All Combination Curb and Gutter Sections shall be tied to existing curb with two #4 epoxy coated reinforcing tie bars.

Revise Article 606.13. Backfill, to include the following paragraphs:

"Restoration of disturbed HMA street areas in front of the curb line shall be prepared by squaring all edges to a uniform shape while maintaining a substantial base and filled with a HMA binder course to a level depending on thickness of overlay determined by the Engineer. The area shall then be cleaned, primed and a HMA surface course shall be placed. When the existing HMA surface is to be milled, the HMA surface course shall be omitted. The HMA binder and surface course patching shall be considered incidental to this pay item. "

"At locations of replaced curb at sidewalk ramps and in high volume pedestrian traffic, temporary HMA patching shall be placed and compacted in front of the curb to the proper grade directed by the Engineer."

"Restoration of disturbed lawn areas behind the curb shall be with a minimum 4" and Class 1A seed mixture. All traffic control and barricades protecting unsafe areas shall stay in place until this process is completed." This work shall be done in accordance with Section 250 of the Standard Specifications for Road and Bridge Construction.

Curing and protection, aggregate base, permanent and temporary pavement restoration, and backfilling of curb with topsoil will not be paid for separately. The cost of this work shall be included in the unit cost per foot for COMBINATION CONCRETE CURB AND GUTTER TB6.12.

ITEM 88600100 DETECTOR LOOP, TYPE I

This work shall be done in accordance with Section 886 of the Standard Specifications. The Contractor shall make connection to the existing power source as part of this work. Connections shall be completed by soldering or other techniques as required. Upon completion of work, testing of all loops shall be the Owner.

This work shall be paid for at the contract unit price per foot for DETECTOR LOOP, TYPE I.

ITEM #X0100022: TILL, RESHAPE, AND COMPACT ROADBED

Work shall be completed in accordance with Section 440 of the Standard Specifications for Road and Bridge Construction (latest edition). By way of milling operations, the contractor shall utilize the existing pavement to supplement the existing aggregate base course to a minimum 8" of total depth. The existing pavement shall be milled, pulverized, and compacted in place. Large chunks of the surface course shall be removed prior to compaction efforts. Pulverized material should resemble a CA-6 mixture, with average particle sizes approximately 3/8" diameter. If additional material is needed to achieve finished grade elevations (prior to HMA paving), Contractor shall furnish aggregate base course CA-6 as needed. CA-6 materials needed for this option or to supplement pulverizing efforts shall be considered incidental to this pay item.

This work shall be included at the contract price per square yard for TILL, RESHAPE, AND COMPACT ROADBED.

ITEM X0326806: WASHOUT BASIN

This work shall be done in accordance with Illinois Department of Transportation (IDOT) Storm Water Quality (SWQ) and Erosion Control Manual and detail in the plans.

This work shall be included at the contract unit price per Lump Sum for WASHOUT BASIN.

ITEM # X6025600: MANHOLES TO BE ADJUSTED, (SPECIAL)

This work shall consist of adjusting frames and lids. This work shall be done according to the applicable portions of Section 603 of the Standard Specifications and the following:

Construction Requirements. Prior to the milling operation, the Contractor shall remove all frames and lids of manholes and clean all asphalt away from the manhole castings. After removal, the Contractor shall place a suitable metal plate over the manhole locations and backfill the area with a temporary hot-mix or cold-mix asphalt mixture. The Contractor shall then complete the milling and placement of all HMA lifts.

After placing the surface course, the Contractor will reinstall the frames and lids and adjust them to the finished pavement elevation. The pavement must be saw cut full depth in a 5' x 5' diamond shape to create

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a clean pavement edge to pour concrete against.

The excavated area around the manholes and shall be filled with Class PP-1 or PP-2 concrete at a maximum depth of 10".

All frame adjustments shall be accomplished using the procedures outlined in the Standard Specifications and as directed in the Specials Provisions herein. Any shims needed to adjust any frame shall be of solid flat steel with dimensions of 2" in width and 2" in length with uniform thickness. The frame will be set to grade using steel shims and without disturbing the adjustment; the frame will then be lifted off and set aside. A full bed of mortar will be placed on the structure between the adjusting shims, which shall form a solid masonry bond between the adjusting ring or structure. The frame shall be set back into place in a method not to damage the bed of mortar.

All manholes called out for adjustment or will be removed down to the top of the cone section, covered with a steel plate and backfilled before HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH starts. The manholes will be adjusted to final grade after the final surface is placed.

This work shall be paid for at the contract unit price per each for MANHOLES TO BE ADJUSTED (SPECIAL).

ITEM #X6026051: SANITARY MANHOLE TO BE RECONSTRUCTED

This item is for the reconstruction of sanitary manholes in effort to maintain watertight construction and will be done with the following provisions, in accordance with Section 602 of the Standard Specifications for Road and Bridge Construction and DeKalb Sanitary District requirements.

Contractor shall provide access to manholes 11861 and 11461 on S. 6th Street at all times. Both locations are used to bypass pump during overflow events. At no time, shall either one of these manholes be paved over or plated with a metal plate.

Sanitary sewer manholes shall have frame/chimney seal, as shown in the detail of the plans, or heat-activated shrink-wrap encapsulating manhole frame and adjusting area, incidental to this item. The following will be acceptable:

1. Canusa - CPS Wrapid Seal
2. Internal Adaptor Seal Ring as supplied by Sidener Supply of Belvidere, IL, (800) 892-5396.

Prior to the milling operation, the Contractor shall remove the existing cone section and install a new concrete cone section. Contractor shall place a suitable metal plate over the new cone section of the manhole and backfill the area with a temporary hot-mix or cold-mix asphalt mixture. The Contractor shall then complete the milling and placement of all HMA lifts.

After placing the surface course, the Contractor will reinstall the frames and lids and adjust them to the finished pavement elevation. The pavement must be saw cut full depth in a 5' x 5' diamond shape to create a clean pavement edge to pour concrete against.

The excavated area around the manholes shall be filled with Class PP-1 or PP-2 concrete at a maximum depth of 10". This includes areas outside of the concrete diamonds, that were excavated for placement of the precast cone.

All frame adjustments shall be accomplished using the procedures outlined in the Standard Specifications and as directed in the Special Provisions herein. Any shims needed to adjust any frame shall be of solid flat

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steel with dimensions of 2" in width and 2" in length with uniform thickness. The frame will be set to grade using steel shims and without disturbing the adjustment; the frame will then be lifted off and set aside. A full bed of mortar will be placed on the structure between the adjusting shims, which shall form a solid masonry bond between the adjusting ring or structure. The frame shall be set back into place in a method not to damage the bed of mortar.

All manholes called out for adjustment or will be removed down to the top of the cone section, covered with a steel plate and backfilled before HOT-MIX ASPHALT SURFACE REMOVAL starts. The manholes will be adjusted to final grade after the final surface is placed.

This work shall be paid for at the contract unit price per each for SANITARY MANHOLES TO BE RECONSTRUCTED.

ITEM #X7010216: TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

This shall be performed in accordance with Section 701 of the Standard Specifications insofar as applicable. This item includes providing and maintaining all signs, barricades, flashers, sandbags, and flagmen to implement traffic control in accordance with the Manual on Uniform Traffic Control Devices, latest edition; and, to implement necessary job safety warnings with proper barricades, cones and snow fences around trenches, equipment and new concrete or asphalt work.

The Contractor shall coordinate all traffic control work. When directed by the Engineer, the Contractor shall remove all traffic control devices, which were installed and maintained under this Contract. Such devices shall remain the property of the Contractor. No caution tape or ribbon will be allowed to mark off areas. Areas needing to be blocked off must be protected using proper methods outlined in the MUTCD.

The Contractor shall ensure that all traffic control devices installed are operational 24 hours a day, including Sundays and holidays.

The Contractor shall provide 24-hour contact information to receive notification of any traffic control deficiencies and shall dispatch workers, materials, and equipment to correct any such deficiencies. The Contractor shall respond to any call from the Department of Public Works concerning any request for improving or correction of traffic control devices and begin making requested repairs within two (2) hours from the time of notification.

This item of work will be incidental to the contract as agreed upon to furnish and implement all the conditions for Traffic Control and Protection for associated project work.

TRAFFIC CONTROL PLAN

All roads shall be kept open to traffic. All signs, except those referring to daily lane closures, shall be post mounted in accordance with Standard 701901 for all projects that exceed a four-day duration. There shall be no weekend lane closures. Construction signs referring to daytime lane closures during working hours shall be removed, covered or turned away from the view of the motorists during non-working hours.

The Contractor shall furnish, erect, maintain and remove all signs, barricades, flaggers and other traffic control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be as directed by the Engineer and in accordance with the applicable parts of Section 701 of the Standard Specifications.

The Contractor shall notify the City of DeKalb, Local Fire and Police Departments, and adjacent property owners a minimum of 5 days prior to closing any portion of adjacent streets or alleys.

Traffic Control shall be according to the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the National Manual on Uniform Traffic Control Devices for Streets and Highways, Illinois Supplement to the National Manual on Uniform Traffic Control Devices, these special provisions, and any special details and Highway Standards contained herein and in the plans.

Special attention is called to Articles 107.09 and 107.14 of the Standard Specifications for Road and Bridge Construction and the following Highway Standards relating to traffic control.

Standards:

701501 701502 701606 701701 701801 701901

General:

Where construction activities involve sidewalks on both sides of the street, the work shall be staged so that both sidewalks are not out of service at the same time.

Signs:

No bracing shall be allowed on post-mounted signs.

"BUMP" (W8-1(O)48) signs shall be installed as directed by the Engineer.

All regulatory signs shall be maintained at a 5-foot minimum bottom (rural), 7 feet minimum (urban).

Plate altering signs shall have the same sheeting as the base sign.

No more than one (1) plate shall be used to alter a sign.

Any post stubs without a sign in place and visible shall have a reflector placed on each post.

Devices:

Cones or reflectorized cones shall not be used during hours of darkness.

A minimum of 3 drums spaced at 4 feet shall be placed at each return when the sideroad is open.

On all standards, and the devices listed in Section 701 of the Standard Specifications, the device spacing shall be revised to the following dimensions:

Where the spacing shown on the standard is 25 feet, the devices shall be placed at 20 feet.

Where the spacing shown on the standard is 50 feet, the devices shall be placed at 40 feet.

Where the spacing shown on the standard is 100 feet, the devices shall be placed at 80 feet.

Direction Indicator Barricades shall exclusively be used in lane closure tapers. They shall be used only when traffic is being merged with an adjacent through-lane or shifted onto a median crossover. Backside to resemble a type II barricade. Taper shall not be broken for a side street or commercial entrance.

Lights:

Steady burn mono-directional lights are required on devices delineating a widening trench.

Flagger at Sideroads and Commercial Entrances:

Effective: August 1, 2011

Flaggers shall comply with all requirements contained in the Department's "Flagger Handbook" dated September 2011. The flagger equipment listed for flaggers employed by the Illinois Department of Transportation shall apply to all flaggers.

All workers and flaggers shall wear ANSI Class E pants and an ANSI Class 2 vest that in combination meet the requirements of ANSI/ISEA 107 2004 for Conspicuity Class 3 garments during hours of darkness.

This work shall be paid for at the contract unit price per lump sum for TRAF CONT & PROT SPL.

ITEM #Z0004005 FIBER ASPHALT

Attached are the technical specifications for FIBER ASPHALT which shall govern for all work.

This work shall be paid for at the contract unit price per pound (LB) of FIBER ASPHALT.

ITEM #Z0033700 LONGITUDINAL JOINT SEALANT, 18" BAND

Only work on North 1st Street and South 1st Street is to incorporate longitudinal joint sealant. Joint sealant shall meet all requirements of Section 1050, as well as Supplemental Specifications.

Longitudinal joint sealant shall be Road Fabric Product J-Band, or approved equal, as per manufacturer's specifications, and installation shall meet with engineer's approval.

This work shall be paid for at the contract unit price per foot (FT) for LONGITUDINAL JOINT SEALANT, 18" BAND.

ITEM #Z0048665:RAILROAD PROTECTIVE LIABILITY INSURANCE

The crossing location is identified as AAR/DOT Crossing Number 175045R, Railroad milepost 58.76.

The City of DeKalb will obtain the Maintenance Consent Letter from the Railroad. The City of DeKalb will provide the Maintenance Consent Letter to the contractor for their reference. The CONTRACTOR will be responsible for obtaining the Right of Entry Agreement from the Union Pacific Railroad, including preparing and submitting the application and all application fees, for themselves and any sub-contractors. Contractor is responsible for complying with said permit including, but not limited to, securing Railroad Protective Liability Insurance and securing/coordinating railroad flaggers. Contractor shall provide a copy of the Right of Entry Agreement to the Engineer before any work may begin inside the Railroad's Right-of-Way. All costs for said insurance and flaggers is incidental to this pay item.

This work shall be paid for at the contract unit price per lump sum basis for RAILROAD PROTECTIVE LIABILITY INSURANCE.

ITEM #78003110: PREFORMED PAVEMENT MARKING, TYPE B, LINE 4"

This work shall be done in accordance with Sections 780 and 1095 of the Standard Specifications.

Locations of PREFORMED PAVEMENT MARKING, TYPE B, LINE 4" shall be the centerline, and skip-dashes on N. 1st Street from Lincoln Highway to Augusta Ave. Pavement markings shall be tape and as specified in the technical specifications attached. Approved equals shall be approved at the discretion of the City of DeKalb Engineer.

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This work shall be paid for at the contract unit price per FOOT for PREFORMED PAVEMENT MARKING, TYPE B, LINE 4".

ITEM #X7830070: GROOVING FOR RECESSED PAVEMENT MARKINGS, 5"

This work shall be done in accordance with the BDE special provision for GROOVING FOR RECESSED PAVEMENT MARKINGS.

This work shall be paid for at the contract unit price per FOOT for GROOVING FOR RECESSED PAVEMENT MARKINGS, 5".

GROOVING FOR RECESSED PAVEMENT MARKINGS (BDE)

Effective: November 1, 2012

Revised: November 1, 2020

Description. This work shall consist of grooving the pavement surface in preparation for the application of recessed pavement markings.

Equipment. Equipment shall be according to the following.

- (a) Preformed Plastic Pavement Marking Installations. The grooving equipment shall have a free-floating saw blade cutting head equipped with gang-stacked diamond saw blades. The diamond saw blades shall be of uniform wear and shall produce a smooth textured surface. Any ridges in the groove shall have a maximum height of 15 mils (0.38 mm).
- (b) Paint, Epoxy, Polyurea, Modified Urethane and Thermoplastic Pavement Marking Installations. The grooving equipment shall be equipped with either a free-floating saw blade cutting head or a free-floating grinder cutting head configuration with diamond or carbide tipped cutters and shall produce an irregular textured surface.

CONSTRUCTION REQUIREMENTS

General. The Contractor shall supply the Engineer with a copy of the pavement marking material manufacturer's recommendations for constructing a groove.

Pavement Grooving Methods. The grooves for recessed pavement markings shall be constructed using the following methods.

- (a) Wet Cutting Head Operation. When water is required or used to cool the cutting head, the groove shall be flushed with high pressure water immediately following the cut to avoid build up and hardening of slurry in the groove. The pavement surface shall be allowed to dry for a minimum of 24 hours prior to the final cleaning of the groove and application of the pavement marking material.
- (b) Dry Cutting Head Operation. When used on HMA pavements, the groove shall be vacuumed or cleaned by blasting with high-pressure air to remove loose aggregate, debris, and dust generated during the cutting operation. When used on PCC pavements, the groove shall be flushed with high pressure water or shot blasted to remove any PCC particles that may have become destabilized during the grooving process. If high pressure water is used, the pavement surface shall be allowed to dry for a minimum of 24 hours prior to the final cleaning of the groove and application of the pavement marking material.

Pavement Grooving. Grooving shall not cause ravels, aggregate fractures, spalling or disturbance of the joints to the underlying surface of the pavement. Grooves shall be cut into the pavement prior to the application of the pavement marking material. Grooves shall be cut such

that the width is 1 in. (25 mm) greater than the width of the pavement marking line as specified on the plans. Grooves for letters and symbols shall be cut in a square or rectangular shape so that the entire marking will fit within the limits of the grooved area. The position of the edge of the grooves shall be a minimum of 2 in. (50 mm) from the edge of all longitudinal joints. The depth of the groove shall not be less than the manufacturer's recommendations for the pavement marking material specified, and according to the following.

- (a) **Preformed Plastic and Thermoplastic Pavement Markings.** Grooving shall be to a minimum depth of 110 mils (2.79 mm) and a maximum depth of 200 mils (5.08 mm).
- (b) **Paint, Epoxy, Polyurea, and Modified Urethane Pavement Markings.** Grooving shall be to a minimum depth of 40 mils (1.02 mm) and a maximum depth of 80 mils (2.03 mm).

The cutting head shall be operated at the appropriate speed in order to prevent undulation of the cutting head and grooving at an inconsistent depth.

For new HMA pavements, grooves shall not be installed within 10 days of the placement of the final course of pavement.

Final Cleaning. Immediately prior to the application of the pavement marking material or primer sealer, the groove shall be cleaned with high-pressure air blast.

Method of Measurement. Grooving for lines will be measured for payment in place, in feet (meters).

Grooving for letters and symbols will be measured in square feet (square meters).

Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for GROOVING FOR RECESSED PAVEMENT MARKING of the groove width specified, and per square foot (square meter) for GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS.

The following shall only apply when preformed plastic pavement markings are to be recessed:

Add the following paragraph after the first paragraph of Article 780.07 of the Standard Specifications.

"Recessed markings in grooving shall be capable of being applied in a grooved slot on new and existing portland cement concrete and HMA surfaces, by means of a pressure-sensitive, precoated adhesive, or liquid contact cement which shall be applied at the time of installation. A primer sealer shall be applied with a roller and shall cover and seal the entire bottom of the groove. The primer sealer shall be recommended by the manufacturer of the pavement marking material and shall be compatible with the material being used. The Contractor shall install the markings in the groove as soon as possible after the primer sealer cures according to the manufacturer's recommendations."

80304

BDE SPECIAL PROVISIONS
For the January 15 and March 5, 2021 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

File Name #	Special Provision Title	Effective	Revised
80099 1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	April 1, 2020
80274 2	<input checked="" type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192 3	<input type="checkbox"/> Automated Flagger Assistance Device	Jan. 1, 2008	
80173 4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80426 5	<input type="checkbox"/> Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	
80241 6	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
50261 7	<input type="checkbox"/> Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481 8	<input type="checkbox"/> Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491 9	<input type="checkbox"/> Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531 10	<input type="checkbox"/> Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
* 80425 11	<input type="checkbox"/> Cape Seal	Jan. 1, 2020	Jan. 1, 2021
80384 12	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
80198 13	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
80199 14	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293 15	<input type="checkbox"/> Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311 16	<input type="checkbox"/> Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80261 17	<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80387 18	<input type="checkbox"/> Contrast Preformed Plastic Pavement Marking	Nov. 1, 2017	
* 80434 19	<input type="checkbox"/> Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
80029 20	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	March 2, 2019
80402 21	<input checked="" type="checkbox"/> Disposal Fees	Nov. 1, 2018	
80378 22	<input type="checkbox"/> Dowel Bar Inserters	Jan. 1, 2017	Jan. 1, 2018
80421 23	<input type="checkbox"/> Electric Service Installation	Jan. 1, 2020	
80415 24	<input checked="" type="checkbox"/> Emulsified Asphalts	Aug. 1, 2019	
80423 25	<input type="checkbox"/> Engineer's Field Office and Laboratory	Jan. 1, 2020	
80229 26	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80417 27	<input type="checkbox"/> Geotechnical Fabric for Pipe Underdrains and French Drains	Nov. 1, 2019	
80420 28	<input type="checkbox"/> Geotextile Retaining Walls	Nov. 1, 2019	
* 80433 29	<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	
80304 30	<input checked="" type="checkbox"/> Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2020
80422 31	<input type="checkbox"/> High Tension Cable Median Barrier	Jan. 1, 2020	Nov. 1, 2020
80416 32	<input checked="" type="checkbox"/> Hot-Mix Asphalt – Binder and Surface Course	July 2, 2019	Nov. 1, 2019
80398 33	<input checked="" type="checkbox"/> Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	Nov. 1, 2019
* 80406 34	<input type="checkbox"/> Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT)	Jan. 1, 2019	Jan. 1, 2021
80347 35	<input type="checkbox"/> Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	July 2, 2019
80383 36	<input type="checkbox"/> Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	July 2, 2019
80411 37	<input type="checkbox"/> Luminares, LED	April 1, 2019	
80393 38	<input type="checkbox"/> Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	March 1, 2019
80045 39	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Aug. 1, 2014
80418 40	<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Nov. 1, 2019	Nov. 1, 2020
* 80424 41	<input type="checkbox"/> Micro-Surfacing and Slurry Sealing	Jan. 1, 2020	Jan. 1, 2021
80428 42	<input checked="" type="checkbox"/> Mobilization	April 1, 2020	
80412 43	<input type="checkbox"/> Obstruction Warning Luminares, LED	Aug. 1, 2019	
80430 44	<input type="checkbox"/> Portland Cement Concrete – Haul Time	July 1, 2020	
80359 45	<input type="checkbox"/> Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2019
80431 46	<input type="checkbox"/> Portland Cement Concrete Pavement Patching	July 1, 2020	

80432	47	<input type="checkbox"/>	Portland Cement Concrete Pavement Placement	July 1, 2020	
80300	48	<input type="checkbox"/>	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
34261	49	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	50	<input type="checkbox"/>	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
* 80306	51	<input checked="" type="checkbox"/>	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	Jan. 1, 2021
80407	52	<input type="checkbox"/>	Removal and Disposal of Regulated Substances	Jan. 1, 2019	Jan. 1, 2020
80419	53	<input checked="" type="checkbox"/>	Silt Fence, Inlet Filters, Ground Stabilization and Riprap Filter Fabric	Nov. 1, 2019	April 1, 2020
80395	54	<input type="checkbox"/>	Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
80340	55	<input type="checkbox"/>	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
80127	56	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
80408	57	<input type="checkbox"/>	Steel Plate Beam Guardrail Manufacturing	Jan. 1, 2019	
80413	58	<input type="checkbox"/>	Structural Timber	Aug. 1, 2019	
80397	59	<input type="checkbox"/>	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	60	<input checked="" type="checkbox"/>	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
* 80435	61	<input type="checkbox"/>	Surface Testing of Pavements – IRI	Jan. 1, 2021	
80298	62	<input type="checkbox"/>	Temporary Pavement Marking	April 1, 2012	April 1, 2017
80409	63	<input checked="" type="checkbox"/>	Traffic Control Devices - Cones	Jan. 1, 2019	
80410	64	<input type="checkbox"/>	Traffic Spotters	Jan. 1, 2019	
20338	65	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	
80318	66	<input type="checkbox"/>	Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
80429	67	<input type="checkbox"/>	Ultra-Thin Bonded Wearing Course	April 1, 2020	
80288	68	<input type="checkbox"/>	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	69	<input type="checkbox"/>	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80414	70	<input type="checkbox"/>	Wood Fence Sight Screen	Aug. 1, 2019	April 1, 2020
80427	71	<input checked="" type="checkbox"/>	Work Zone Traffic Control Devices	Mar. 2, 2020	
80071	72	<input type="checkbox"/>	Working Days	Jan. 1, 2002	

The following special provisions are in the 2021 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80277	Concrete Mix Design – Department Provided	Check Sheet #37	Jan. 1, 2012	April 1, 2016
80405	Elastomeric Bearings	Article 1083.01	Jan. 1, 2019	
80388	Equipment Parking and Storage	Article 701.11	Nov. 1, 2017	
80165	Moisture Cured Urethane Paint System	Article 1008.06	Nov. 1, 2006	Jan. 1, 2010
80349	Pavement Marking Blackout Tape	Articles 701.04, 701.19(f), 701.20(j) and 1095.06	Nov. 1, 2014	April 1, 2016
80371	Pavement Marking Removal	Articles 783.02-783.04, 783.06 and 1101.13	July 1, 2016	
80389	Portland Cement Concrete	Article 1020.04 Table 1 and Note 4	Nov. 1, 2017	
80403	Traffic Barrier Terminal, Type 1 Special	Articles 631.04 and 631.12	Nov. 1, 2018	

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80317	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	Aug. 1, 2019

The following special provisions require additional information from the designer. The additional information needs to be submitted as a separate document. The Project Coordination and Implementation section will then include the information in the applicable special provision.

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal – Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days



Transportation Safety Division

3M™ Stamark™ High Performance Tape Series 380I-ES

**Product Bulletin 380I-ES
June 2020**

Replaces Product Bulletin 380I-ES Dated February 2020

1 Description

3M™ Stamark™ High Performance Tape Series 380I-ES ("Tape") is a durable pavement marking tape that can be used as an inlay marking in snowplow areas when recessed into grooves in new asphalt and concrete surfaces, or as an overlay marking on most asphalt and concrete pavement surfaces in good condition.

The Tape incorporates an improved pressure sensitive adhesive ("PSA") package on its bottom surface, enabling "Extended Season" applications. When applied during the standard application season, as defined in the 3M Stamark Pavement Markings Tapes Climate Guide, Tape does not require the use of a 3M Stamark surface preparation adhesive.

Series A380I-ES: Used for long lines, edge lines, channelizing lines, gore markings, stop bars, and crosswalks.

Series L380I-ES: Lined. Used to cut symbols and legends.

Series SMS-L380I-ES: Lined. Precut symbols and legends.

1.1 Product Features

- o Durable, conformable to pavement, and retroreflective
- o Embedded net provides increased tear resistance
- o PSA on bottom surface
- o No surface preparation adhesive required when applied within standard tape application season as defined by the [3M Stamark Pavement Markings Tapes Climate Guide](#)
- o Can be applied early and late season, down to 40 °F (4 °C), when a 3M Stamark surface preparation adhesive is used
- o Long-term retroreflectivity
- o Abrasion-resistant microcrystalline ceramic beads bonded in a highly durable polyurethane topcoat
- o Yellow microcrystalline ceramic beads incorporated in 381I-ES Tape improve nighttime yellow color
- o Manufactured without the use of heavy metals, lead chromate pigments, or other similar, lead-containing chemicals
- o Patterned design presents a near vertical surface to traffic to maximize retroreflectance
- o Nominal total thickness of 0.090 in. (2.3 mm)
- o White: 380I-ES
- o Yellow: 381I-ES

2 Specifications

2.1 Reflectance

Table 1 presents minimum initial coefficient of retroreflected luminance (R_L) values for white and yellow Tape, when measured under dry conditions in accordance to ASTM E1710. R_L values are expressed in millicandelas per square foot per footcandle [$(\text{mcd} \cdot \text{ft}^{-2}) \cdot \text{fc}^{-1}$].

Table 1. Minimum initial dry R_L values for white and yellow Tape.

	White (380I-ES)	Yellow (381I-ES)
Entrance Angle	88.76°	88.76°
Observation Angle	1.05°	1.05°
Retroreflected Luminance ^a $R_L [(\text{mcd} \cdot \text{ft}^{-2}) \cdot \text{fc}^{-1}]$	500	300

a. The quantity of retroreflected luminance (R_L) “relates to the way the effective retroreflective surface is focused on the retina of the human eye and to the visual effect thereby produced. It is recommended for describing the performance of highway signs and striping, or large vehicular markings which are commonly viewed as discernible surface areas.” Federal Test Method Standard 370, 3.1.2, Note 6, March 1, 1977.

2.2 Color

The daytime and nighttime colors of Tape conform to ASTM D6628, the Standard Specification for Color of Pavement Marking Materials.

2.3 Skid Resistance

The surface of the Tape provides an initial average skid resistance value of 45 BPN when tested according to the procedure of ASTM E303, subject to the following modification:

- o Skid resistance is calculated as the average of two measurements taken at an angle of 45° from one another.

2.4 Patchability

Snow removal equipment and heavy traffic may cause wear and damage to Tape. Such damaged areas can be repaired using patches made of Tape. Remove damaged Tape and replace it according to the instructions presented in the “Overlay Applications” section of [3M Information Folder 5.7](#).

3 Application

Install Tape according to the instructions presented in [3M Information Folder 5.7](#).

4 Durability

The Tape is weather resistant and provides excellent retroreflectivity and color retention. The Tape is a highly effective lane marking material and will show no appreciable fading, lifting, shrinkage, or chipping for the duration of the warranty period, when applied according to the 3M requirements described in the 3M product literature.

The Tape's durability depends on several environmental and traffic conditions, including, but not limited to, snow removal practices, method of application, and pavement and atmospheric conditions at the time of application. It is recommended that the customer thoroughly evaluate Tape under the conditions present at the installation location prior to large-scale implementation.

5 Storage

Store indoors, in a cool, dry area. Use within one year of receipt.

6 Health and Safety Information

Read all health hazard, precautionary, and first aid statements found in the Safety Data Sheets (SDS) and Article Information Sheets for important health, safety, and environmental information. To obtain SDSs and Article Information Sheets for 3M products, go to 3M.com/SDS, contact 3M by mail, or for urgent requests call 1-800-364-3577.

7 Warranty Information

7.1 3M Warranty

3M warrants that, under normal traffic conditions, Tape used in pavement marking applications, will retain a minimum coefficient of retroreflected luminance (R_L) of 100 mcd/m²/lux (under dry conditions when measured in accordance with ASTM E1710) and remain visible for the period indicated in Table 2 ("Warranty Period"), as measured from the date of installation ("Installation Date"), subject to the provisions presented in Table 2 ("3M Warranty").

Table 2. Warranty period according to application type.

Application	Warranty Period
Longitudinal markings	4 years
Symbols and legends	2 years

3M also warrants that Tape sold by 3M and installed as transverse (stopbars and crosswalks) and channelizing markings will maintain road presence for the Warranty Periods indicated in Table 3, according to the provisions presented in Table 3.

Table 3. Warranty periods for channelizing markings, stopbars, and crosswalks according to application surface.

Applications Surface	Warranty Period	
	Snow Removal Areas Road presence and non wear-through	Non-Snow Removal Areas Road presence and non wear-through
Channelizing Markings		
New Asphalt Inlay	2 years	2 years
Asphalt Grooved/ Recessed	2 years	2 years
Asphalt Overlay	1 years	2 years
New Concrete Overlay	1 years	2 years
Concrete Grooved/ Recessed	2 years	2 years
Stop Bars and Crosswalks with ADT/Lane of 6,000 or Less		
New Asphalt Inlay	1 years	2 years
Asphalt Grooved/ Recessed	1 years	2 years
Asphalt Overlay	—	1 years
New Concrete Overlay	—	1 years
Concrete Grooved/ Recessed	1 years	2 years

7.2 3M Warranty Terms and Conditions

- If Tape is installed in grooves, the depths of the grooves shall be between 150 and 200 mils. Grooves shall be made with a large diameter cutting head with gang-stacked diamond cutting blades to produce a flat (smooth) groove surface, following the Stamark pavement marking tape application requirements described in [3M Information Folder 5.18](#).
- Loss of adhesion is not covered by the 3M Warranty when Tape is applied to surfaces that have been finished using anything other than a gang-stacked diamond cutting head.
- Coefficient of retroreflected luminance (R_L) shall be determined at 1.05° observation and 88.76° entrance angles according to ASTM E1710, as per the sampling and testing procedures outlined herein. Equipment used in measurements shall be in good calibrated order, according to the calibration schedule recommended by the equipment manufacturer, at the time of measurement. 3M may use an additional calibrated instrument or request a calibrated referee instrument to validate measurements.
- Tape and other 3M components involved in the 3M Warranty must be stored, applied, installed, processed, and used in accordance with all 3M application procedures found in 3M's product bulletins, information folders, manufacturing manuals, and technical memos (which will be furnished upon request).
- Tape shall be applied with the 3M-required surface preparation adhesive if the installation conditions warrant its use, as per the Stamark pavement marking tape installation instructions in [3M Information Folder 5.7](#).
- A failure to meet the 3M Warranty must be solely the result of design or manufacturing defects and not of (a) outside causes including improper fabrication, improper application, handling, maintenance, or installation; (b) substrate failure, exposure to chemicals, burial, abrasion or other mechanical damage, improper use, vandalism, or malicious mischief; or (c) an act of God.
- 3M reserves the right to determine the type of replacement marking and method of installation.
- Claims made under this warranty will be honored only if (a) the customer has maintained an accurate record of Installation Date, which constitutes the start of the Warranty Period; (b) 3M is notified in writing of a failure within one month of its discovery; (c) reasonable information requested by 3M is provided; and (d) 3M is permitted to verify the cause of the alleged failure.

- Applications in mountainous, heavy snowfall areas above 5,000 ft. (1,500 m) are not covered under the 3M Warranty.
- Damage to pavement markings caused by snow removal equipment is not covered under the 3M warranty.
- Tape must be shown not to meet the 3M Warranty when measured according to the appropriate ASTM test method, using the sampling procedure described below, to qualify for remedy under the 3M Warranty.

7.3 Exclusive Limited Remedy

If Tape is shown not to meet the 3M Warranty, 3M's sole responsibility and purchaser's and user's exclusive remedy shall be: 3M will provide the replacement materials that will restore the pavement marking retroreflectivity values to warranty levels or greater for the unexpired term of the original Warranty Period.

7.4 Sampling and Testing Procedure for Determining Initial and Retained Coefficients of Retroreflected Luminance for 3M Warranty Purposes

Step 1: A visual night inspection must be made with a 3M representative and a customer representative present to identify areas of installation which appear to be below the specified minimum retained reflectance values.

Areas which appear to be below the minimum retained reflectance value shall be identified as potential zones of replacement ("Zone of Replacement"). To qualify for replacement, a zone must be at least 360 feet (108 meters) in road length and shall consist of either edge lines, center lines, or lane lines, but not in combination.

Step 2: Within each zone, reflectance measurements must be taken at specified measurement sections. The measurement procedure varies based on the total length of the Zone of Replacement, as described below.

a Zone of Replacement Measuring 360 Feet (108 m) to 1,080 Feet (324 m) in Length

For continuous lines, reflectance measurements must be made at approximately 20 ft. (6 m) intervals throughout the Zone of Replacement. For skip lines, two measurements must be taken at two random locations on each skip throughout the Zone of Replacement.

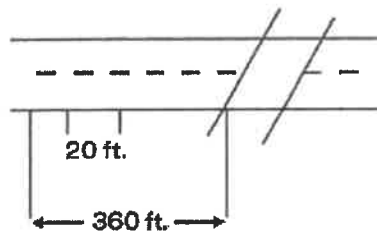


Figure 1. Measure every 20 ft. on continuous lines or 2 measurements per skip for each measurement section.

b Zone of Replacement Measuring 1,080 Feet (324 m) to 6 Miles (9.6 km) in Road Length

A minimum of three measurement sections must be specified within the Zone of Replacement. Each measurement section must be at least 360 ft. in road length. The start point, the midpoint, and the end point of the Zone of Replacement must be included in respective measurement sections as shown in Figure 2. A minimum of 18 measurements must be made at each of three measurement sections within the Zone of Replacement. For continuous lines, reflectance measurements must be made at 20 ft. (6 m) intervals throughout each measurement section. For skip lines, two measurements must be taken at two random locations on each skip in the measurement sections.

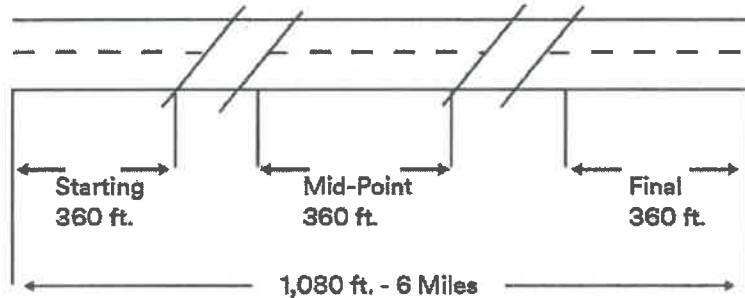


Figure 2. Measure every 20 ft. on continuous lines or 2 measurements per skip for each measurement section.

c Zone of Replacement Greater than 6 Miles in Road Length

A minimum of 18 measurements must be made in each measurement section within the Zone of Replacement. The start point and the end point must be a part of a measurement section. Each 3-mile (4.8 kilometers) interval throughout the Zone of Replacement must include at least one measurement section. For continuous lines, reflectance measurements must be made at 20 ft. (6 m) intervals throughout each measurement section. For skip lines, two measurements must be taken at two random locations on each skip in the measurement sections.

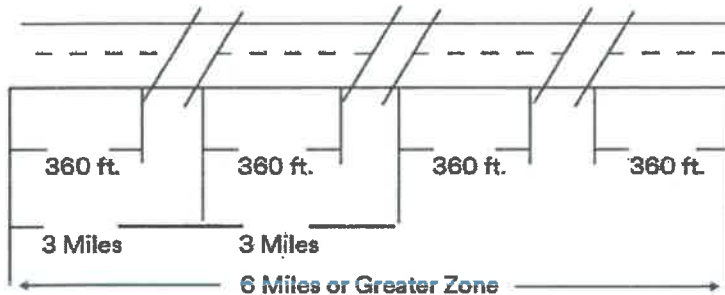


Figure 3. Measure every 20 ft. on continuous lines or 2 measurements per skip for each measurement section.

Step 3: All reflectance measurements made at checkpoints shall be made on clean, dry surfaces with a minimum temperature of 40 °F (4 °C). The test instrument shall use an entrance angle of 88.76° and an observation angle 1.05° which represent a simulated driver viewing geometry at a 30-meter distance.

Step 4: All reflectance measurements within the Zone of Replacement must be averaged to determine if the minimum retained retroreflectance values have been met.

7.5 Materials Replacement Condition

Tape must be applied according to the Stamark pavement marking tape installation instructions in [3M Information Folder 5.7](#) to qualify for any applicable materials replacement provisions.

7.6 Disclaimer

THE 3M WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING OR OF PERFORMANCE, CUSTOM, OR USAGE OF TRADE.

7.7 Limitation of Liability

Except for the limited remedy stated above, and except where prohibited by law, 3M will not be liable for any loss or damage arising from the Tape or any 3M product, whether direct, indirect, special, incidental, or consequential damages (including but not limited to lost profits, business, or revenue in any way), regardless of the legal theory asserted including warranty, contract, negligence, or strict liability.

8 Other Product Information

Always confirm that you have the most current version of the applicable product bulletin, information folder, or other product information from 3M's Website at <http://www.3M.com/roadsafety>.

9 Literature References

- 3M IF 5.2 Highway Tape Applicator (HTA)
- 3M IF 5.7 3M™ Stamark™ Tapes Pavement Surface Preparation and Application Techniques
- 3M IF 5.18 Application Guidelines for Pavement Markings in Grooved Pavement Surfaces
- 3M™ Stamark™ Pavement Markings Tapes Climate Guide

ASTM Test Methods are available from ASTM International, West Conshohocken, PA.

For Information or Assistance

Call: 1-800-553-1380

In Canada Call:

1-800-3M HELPS (1-800-364-3577)

Internet:

<http://www.3M.com/roadsafety>

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3M assumes no responsibility for any injury, loss, or damage arising out of the use of a product that is not of our manufacture. Where reference is made in literature to a commercially available product, made by another manufacturer, it shall be the user's responsibility to ascertain the precautionary measures for its use outlined by the manufacturer.

Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable at the time of this publication, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, or conditions express or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct, indirect, special, or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.



Transportation Safety Division
3M Center, Building 0225-04-N-14
St. Paul, MN 55144-1000 USA

Phone 1-800-553-1380
Web 3M.com/roadsafety

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Transportation Safety Division

3M™ Stamark™ Pavement Marking Tape and Liquid Pavement Markings

Application Guidelines for Pavement Markings in Grooved Pavement Surfaces

**Information Folder 5.18
September 2019**

Replaces IF 5.18 Dated January 2018

1 Introduction

Grooving the pavement surface of a road or highway provides an alternative method for the installation of 3M Stamark Pavement Marking Tape and 3M Liquid Pavement Markings (LPM, All Weather Paint, and All Weather Thermoplastic). The benefits of grooving include enhanced protection of pavement markings and retroreflective beads from snowplow damage. Grooving extends the service lives of pavement markings.

This information folder describes the recommended procedures and application guidelines for grooving applications of the products mentioned above.

The following sections can be found in this information folder:

- Groove Specifications
- Equipment Alternatives and Surface Texture Recommendations
- Application Guidelines
- Measuring Groove Depths
- Surface Wetting Test
- Health and Safety Information
- Appendix A: Measuring Groove Depths with a Depth Plate

Follow the detailed application instructions for “Overlay Applications” found in 3M Information Folder 5.7 “3M Stamark Tapes Pavement Surface Preparation and Application Techniques” when applying pavement marking tapes in grooves. All weather and climate conditions specific therein for installation of the relevant pavement marking product (liquid or tape) must be met before it is installed into the groove.

For situations not specifically covered in this information folder, or for questions regarding the installation of 3M products in grooves, it is the responsibility of the installer to contact the appropriate 3M Sales Representative or 3M pavement marking Application Engineer for guidance at 1-800-553-1380.

2 Groove Specifications

Figure 1 shows a typical section of a pavement marking in a groove with the required groove width and depth indicated for both liquid and tape pavement markings. (1000 mil = 1 inch)

Note: See Tables 1 and 2 for specific pavement marking type recommendations for tapes.

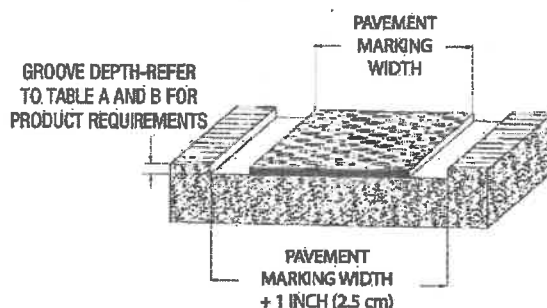


Figure 1. Geometry of a typical section of pavement marking in a groove.

2.1 Groove Depth

Grooves should be cut to depth according to the values recommended in Tables 1 and 2 below.

Table 1. Uniform groove depths for tape markings.

Pavement Marking Material	Required Groove Depth	
	Minimum	Maximum
3M Stamark Pavement Marking Tapes (Series 380I ES, 390, 270 ES, 310)	100 mils (2.54 mm)	200 mils (5.08 mm)
3M Stamark Pavement Marking Tapes Series 380AW	110 mils (2.79 mm)	200 mils (5.08 mm)

Table 2. Uniform groove depths for liquid markings.

Pavement Marking Material	Required Groove Depth
3M All Weather Paint with All Weather Elements	60 mils (1.52 mm) minimum 80 mils (2.03 mm) for max retained reflectivity.
3M Stamark Liquid Pavement Markings Series 5000 with beads and/or Connected Roads All Weather Elements	60 mils (1.52 mm) minimum 80 mils (2.03 mm) for max retained reflectivity.
3M All Weather Thermoplastic or MMA with Connected Roads All Weather Elements	Minimum 30 mils in addition to binder thickness (0.76 mm + binder thickness). For maximum retained reflectivity: 40 mils in addition to the binder thickness specification (1.02 mm + binder thickness).

Note: More aggressive traffic and harsher climates may require deeper grooves.

2.2 Groove Width – Longitudinal Markings

As shown in Figure 1, the typical groove width shall be one inch (2.5 cm) plus the width of the pavement marking. A groove that is two inches (5 cm) wider than the pavement marking width is sometimes preferred, as it facilitates a straight installation of the tape into the groove. The extra width also allows for improved tamping of the edges of the tape. Narrower grooves may provide additional protection to pavement markings, but extra care must be taken to ensure that narrow grooves are cut straight to enable straight alignment of pavement markings within grooves.

2.3 Groove Position

Stamark pavement marking tape is manufactured with a polymer conformance layer for durability, and a patterned surface for reflectivity. Tapes are recommended for a wide variety of uses, including intersection and longitudinal markings.

Note: See [3M Information Folder 3.2](#) for information on 3M Stamark Removable Pavement Marking Tapes.

2.4 Groove Cutting Speed

Groove cutting speed varies with groove width, application size, pavement surface (new or old asphalt or concrete), cutting equipment, and cutting blade. Groove cutting speed must be set in accordance with these and other factors to ensure that the required groove depth specifications are met.

2.5 Groove Cleaning

For some applications and equipment, it may be necessary to cool the cutting head with water. In general, long continuous groove cuts for edge line installations are more likely to require water cooling of blades. Cutting grooves for skip, dash, or other intermittent markings allows blades to cool between cutting operations and may not require water cooling. If water cooling is required, flush grooves immediately after cutting with a high pressure power washer to remove any cement dust/water slurry build-up. Grooves must also be flushed when dry grooving during rainfall. If freshly cut grooves are not flushed, slurry may harden in them and they may not meet the required specifications.

Note: If water is present during groove cutting for any reason, allow grooves to dry for, at minimum, 24 hours prior to pavement marking installation. Grooves must be clean and dry for proper pavement marking installation.

Clean grooves completely using an air compressor with an air flow of at least 185 CFM and an air pressure of at least 120 PSI, prior to pavement marking installation. A street sweeper or pick-up broom may effectively remove some debris, but a pass with an air compressor is required to completely clean the bottoms of grooves.

Note: Open grooves may be left open over night if they have been blown out or flushed out at the time of grooving. It is recommended that grooves be blown out again prior to pavement marking installation.

2.6 Grooved and Recessed Intersection Markings

Intersection markings, such as crosswalks and stop bars, can be grooved into a pavement surface and recessed by making multiple side-by-side passes with grooving equipment typically used for long line pavement markings. Making multiple side-by-side passes allows for the placement of wider intersection markings into a groove.

Cutting grooves with multiple passes can result in ridges between passes. Such ridges are due to the stops on each side of the cutting head resting on different levels of the pavement surface. The first grooving pass is completed with both stops resting on an even surface, as shown in Figure 2.

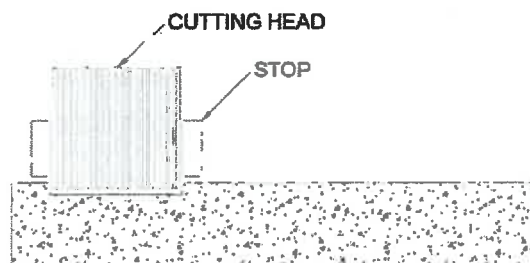


Figure 2. Position of cutting head during initial pass of a multiple-pass intersection groove cut.

After the first pass, one stop sits on the old pavement surface while the other sits slightly lower, in the newly cut groove, as illustrated in Figure 3. This produces unacceptable ridges.

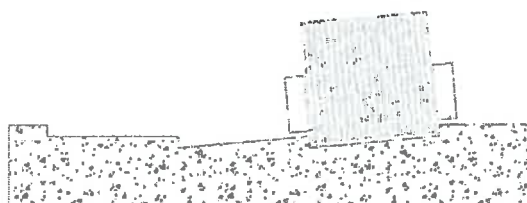


Figure 3. Position of cutting head during subsequent passes that results in ridges along the cutter head edges.

To prevent ridges, adjust the stops on either side of the cutting head after the first pass, or grind off the ridges prior to placing the pavement marking in the groove. One can also use a metal plate, with a thickness equal to the depth of the groove, to support the stop that sits on the freshly grooved surface and move the plate over for each new pass.

Legends and symbols can be grooved and recessed by grooving large square or rectangular areas that fit the pavement markings. Refer to [3M Information Folder 5.8](#) for more information.

Use wider cutting heads and more gang-stacked blades on the saw auger to reduce the number of passes needed to make wide grooves. The same can be done to reduce the number ridges formed by multiple cutting head passes.

Curbs and median obstacles may not allow grooves to be cut across the entire width of an intersection marking using large, truck-mounted equipment. In such instances, use smaller equipment near obstacles to achieve grooves of required depths.

3 Equipment Alternatives and Surface Texture Recommendations

Several different cutting head configurations are available from different equipment manufacturers that specialize in cutting and grooving equipment. Different grooves will result from the use of different cutting heads and grooving equipment.

The use of groove-cutting equipment with free-floating, independent heads is recommended. Such configurations allow the cutting head to follow irregularities in pavement surfaces and produce grooves of consistent depth.

Important Note: The use of gang-stacked cutting blades is required when grooving asphalt pavement surfaces. The use of gang-stacked cutting blades is strongly recommended when grooving concrete pavement surfaces; this is especially true for older surfaces and surfaces that show visible signs of deterioration.

Special note: Diamond cutting blades produce optimal groove surfaces.

3.1 Saw Blade Cutting Heads

A single, large diameter (12-18 inch saw blades) cutting head with gang-stacked 1/8"-1/4" (0.30-0.63 cm) wide carbide or diamond tipped cutting blades (Figure 4) can be used in place of purpose-built grooving equipment. When doing so, place spacers between cutting blades to provide gaps for the wider cutting head tips and to decrease the number of blades required to fill the cutting head.

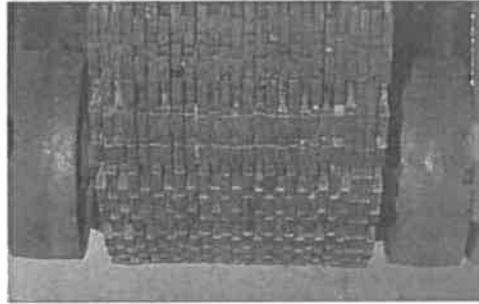


Figure 4. Saw blade cutting head

Wider blade spacings may result in heavily “ribbed” (also referred to as “ridged” or “corduroy”) patterns that are not recommended for pavement marking applications⁵. Use of gang-stacked diamond tipped cutting blades can create corduroy or ribbed patterns, as shown in Figure 5. Ribbed, or corduroy, patterns must not be irregular or large enough to prevent tape from conforming to the shapes of their lowest areas. If a tape bridges the low areas of a pattern instead of making contact with the pavement surface, moisture will penetrate the tape and result in poor adhesion..



Figure 5. Cross section illustration of a coarse tooth ribbed pattern produced by widely spaced or worn blades. Replace blades and/or change spacing to avoid such groove patterns.

Thinner spacers may be used between blades to prevent irregular groove patterns. This will result in a grooves with smoother surfaces, as illustrated in Figures 6, 7, and 8. Groove ridges should rise no more than 15 mil. above the base of the groove.



Figure 6. Cross section illustration of a smooth groove made with thin spacers and new blades.



Figure 7. Photo of an asphalt cement concrete groove with a light corduroy pattern, made with properly spaced, gang-stacked cutting blades.

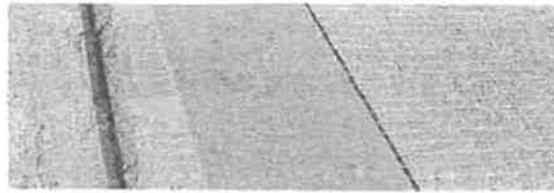


Figure 8. Portland cement concrete groove with a light corduroy, pattern, made with properly spaced, gang-stacked cutting blades.

3.2 Grinding Cutting Heads

A grinder-type cutting head, illustrated in Figure 9, can be used to groove ONLY newer Portland cement pavement surfaces in good repair.

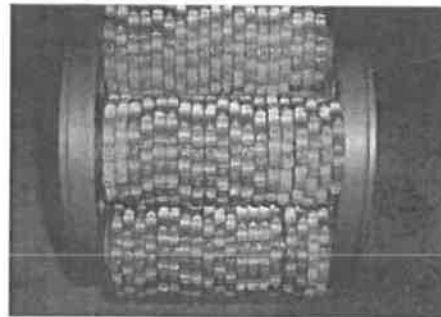


Figure 9. Grinder-type cutting head.

Grinder heads like the one shown in Figure 9 produce grooves with irregular surface textures, as illustrated in Figures 10 and 11. Such surface textures are often superior for liquid pavement marking installations.



Figure 10. Cross section illustration of the texture of a groove cut with a grinder-type cutting head.



Figure 11. Photo of the surface texture of a groove cut with a grinder-type cutting head.

3.3 Achieving a Textured Surface with Saw Blades

The bottom surface of a groove is a “textured groove surface” if it has an irregular pattern and does not show the ribbed or corduroy groove patterns common to grooves newly cut with saw blades.

A textured groove surface can be achieved using the saw blade configuration shown in Figure 4 if a slow moving shot blaster, grinder, or sand blaster is used to knock down the resulting ridges and texture the groove surface following the initial groove cutting. Hydroblasting can also be used to remove ridges and texture the surface, but the groove must be allowed to dry following hydroblasting for at least 24 hours prior to pavement marking installation.

New concrete surfaces may contain more fine cement dust after cutting. This dust and all other cement residues must be removed and blown clean from groove prior to pavement marking installation.

3.4 Asphalt Cement Concrete (ACC) Surfaces

Important Note: Gang-stacked cutting blades must be used to groove asphalt pavement surfaces.

Special Note: Diamond cutting blades produce optimum groove surfaces.

Existing asphalt surfaces should possess the strength necessary to withstand groove cutting. Inspect surfaces for obvious signs of distress before cutting grooves. Refer to the [3M Road Surface Guide](#) for more details. Always inspect grooves at start-up for signs of channel or groove wall weakness. Lightly scratching a channel or groove wall with a pointed object can help determine the integrity of a cut.

Groove cutting older asphalt surfaces can sometimes weaken the aggregate/asphalt bond near the pavement surface. The structural integrity of a groove bottom should be checked after grooving and prior to pavement marking installation.

In general, newly paved asphalt surfaces should not be grooved within 10 days of placement of the final course of pavement. During the first 10 days following final placement, asphalt may be too soft to support grooving operations, especially during periods of hot weather. New asphalt surfaces must be opened to traffic for at least 10 days prior to pavement marking installation.

Some asphalt mixes require 30 days to achieve sufficient strength to support grooving operations. Prior to grooving new asphalt mixes, perform a field test on a small localized area of the new asphalt to verify that proper surface strength has been achieved.

Inlay techniques (rolling tape into fresh hot asphalt) should be utilized when installing Stamark tapes on new asphalt surfaces whenever possible. See [3M Information Folder 5.7](#) for additional information on inlay techniques.

4 Application Guidelines

The following are specific guidelines for installing Stamark tapes in grooves. They should be followed in conjunction with the detailed installation instructions presented in [3M Information Folder 5.7](#), “Pavement Surface Preparation and Application Techniques for 3M Stamark Tapes,” as well as the climate and weather recommendations made therein, to produce reliable, durable pavement markings.

4.1 Clean the Groove

Prior to installing pavement markings, clean grooves completely using an air compressor with at least 185 CFM of air flow and 120 PSI of air pressure. There should be no more than 50 feet of ¾-inch (inside diameter) hose between the compressor and the air nozzle, and the air nozzle should have an inside diameter of no less than ½-inch. The compressor should also be equipped with a moisture and oil trap. When cleaning the groove, it is recommended that the air nozzle be no more than two feet from the ground. A street sweeper or pick-up broom may also be used to clean effectively, but a pass with an air compressor is still required to completely clean the bottoms of grooves.

4.2 Apply the Tape

Apply Stamark tape in the groove according to the detailed instructions presented in [3M Information Folder 5.7](#) for “Overlay Applications.”

4.3 Tamp the Tape

When newly laid in the groove, tamp the tape thoroughly with a minimum of six (6) passes (three passes back and forth), using an RTC-2 Tamper Cart with a 200-pound (90 kg) load.

Tamping the edges of the tape is very important. To do so, tape installed in a groove requires tamping with a tamper cart roller that has been cut to fit the groove. A vehicle tire may tamp the center of the tape but not the edges near the sides of the groove. Use a modified tamper cart roller if necessary (See Figure 12). A typical modified roller is 4-inches wide and ¼-inch deep. Contact your 3M Application Engineer for further for information regarding tamping cart and roller procurement.

Important Note: A vehicle tire can be used to tamp grooved-in long line pavement marking applications of waffle pattern tapes (380I-ES, 270ES, 310, 390, and 380AW). Refer to [3M Information Folder 5.7](#) for further information.

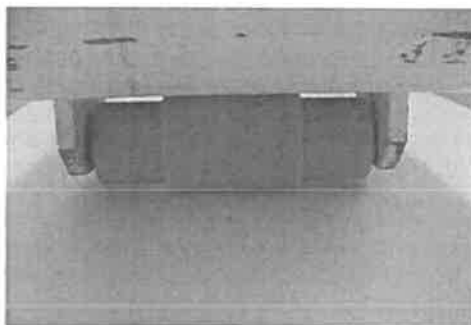


Figure 12. Tamper cart roller cut for groove tamping.

4.4 3M Liquid Pavement Markings

Properly applying liquid pavement marking products to grooves increases durability and improves long-term retroreflective performance. Grooving-in liquid pavement markings is especially effective for extending the service lives of liquid pavement markings in northern climates where snow removal equipment is used.

Refer to [3M Information Folder 5.28](#) (Liquid Pavement Markings), [3M Information Folder 5.22](#) (All Weather Paint), and [3M Information Folder 5.24](#) (All Weather Thermoplastic) for proper surface preparation methods and application requirements.

A liquid pavement marking must be fully contained within a groove to be considered successfully applied and to receive the full benefit of the groove. A wider groove (up to two inches wider than the marketing) may be needed to allow for the proper placement of the liquid marking material into the groove.

5 Measuring Uniform Groove Depths

A micrometer or depth gage can be used to verify the depth uniformities of new grooves. Another method for testing groove depth is through the use of depth plates (see Appendix).

Grooves should be checked frequently following groove cutter alignment changes to verify that proper and stable adjustments have been made and avoid improper grooving. For example, check groove depths at 10-foot intervals for 50 feet immediately following any groove cutter adjustments. Each measurement should fall within the range indicated in Table 1. Calculate the average of the five depths measured – the average should also fall within the depth range indicated in Table 1. If the average does not fall within the range indicated in Table 1, adjust the cutting equipment and check groove depth for the next 50 feet in the same way. Continue to adjust groove cutting equipment until a groove with an appropriate average depth is achieved.

6 Surface Wetting Test

Measure the wettability of the grooved surface. Use an eye dropper to apply a drop of water to the surface. The water drop should wet out on the groove surface. If not, the groove needs to be cleaned out, ground, or shot blasted.

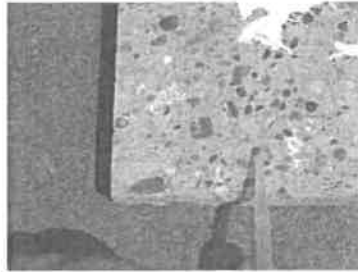
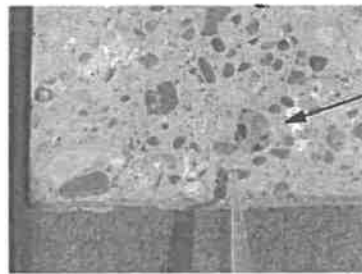


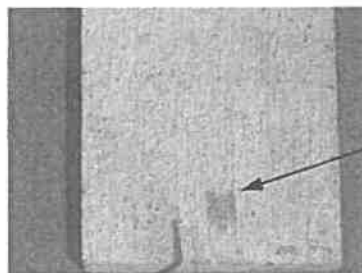
Figure 13. Place a drop of clean drinking or distilled water on the pavement surface.



Water beads
on surface

Figure 14. Water does not wet groove surface. Instead, it beads on the groove surface.

If the drop of water does not spread (if it beads on the surface instead), the surface may be contaminated and requires additional surface preparation or re-cleaning with high pressure air.



Water drop
spreads on
surface

Figure 15. Water wets grooves surface, spreading out.

If the water drop spreads (wets), the surface is ready for pavement marking application.

7 Health and Safety Information

Dry pavement preparation techniques, dry grooving methods, and dry groove cleaning methods are recommended because they optimize pavement marking tape adhesive performance and facilitate immediate pavement marking application without the need for a 24-hour drying period.

Always follow applicable temporary traffic control procedures and safe work zone practices. For example, eye, ear, respiratory, or other protection may be appropriate during grooving, surface preparation, or removal of existing pavement markings. For respiratory protection requirements, please refer to the OSHA Respirable Crystalline Silica Standard and the Small Entity Compliance Guide for Respirable Crystalline Silica Standard for Construction, which can be found at www.osha.gov. If wet grinding or grooving procedures are used, including those listed in Table 1 of the referenced OSHA standards, grooves must be cleaned immediately with high pressure water spray to prevent the resulting cement dust/water slurry from hardening in the groove. Cleaning with must be followed by a 24 hour drying period prior to pavement marking installation.

Read all health hazard, precautionary, and first aid statements found in the Safety Data Sheets (SDS), Article Information Sheets, and products labels of any materials for important health, safety, and environmental information prior to handling or use. Also refer to SDSs for information regarding the volatile organic compound (VOC) contents of chemical products. Consult local regulations and authorities for possible restrictions on product VOC contents and/or VOC emissions. To obtain SDSs and Article Information Sheets for 3M products, go to 3M.com/SDS, contact 3M by mail, or for urgent requests call 1-800-364-3577.

8 Other Product Information

Always confirm that you have the most current version of the applicable product bulletin, information folder, or other product information from 3M's Website at <http://www.3M.com/roadsafety>.

9 Literature Reference

For additional information on 3M Stamark Pavement Marking Tapes, application recommendations, or 3M application equipment, refer to the following publications:

<u>3M IF 3.2</u>	3M™ Stamark™ Removable Tapes Pavement Surface Preparation and Application Procedures
<u>3M IF 5.7</u>	Pavement Surface Preparation and Application Techniques for 3M™ Stamark™ Tapes
<u>3M IF 5.8</u>	Instructions for Precut Symbols and Legends
<u>3M IF 5.20</u>	Application Guidelines for Liquid Pavement Markings
<u>3M IF 5.22</u>	3M™ All Weather Paint Application Guidelines
<u>3M IF 5.23</u>	3M™ Connected Roads All Weather Elements Application Guidelines for 3M Connected Roads All Weather Elements
<u>3M IF 5.24</u>	3M All Weather Thermoplastic application guidelines
<u>3M IF 5.28</u>	Liquid Pavement Marking Application Guidelines Series 5000
<u>3M PB 270 ES</u>	3M™ Stamark™ Pavement Marking Tape Series 270 ES
<u>3M PB 310</u>	3M™ Stamark™ Pavement Marking Tape Series 310
<u>3M PB 380I ES</u>	3M™ Stamark™ High Performance Tape Series 380I ES
<u>3M PB 380AW</u>	3M™ Stamark™ High Performance All Weather Tape Series 380AW
<u>3M PB 390</u>	3M™ Stamark™ High Performance Pavement Marking Tape Series 390
<u>3M PB 1000</u>	3M™ Stamark™ Liquid Pavement Marking Series 1000
<u>3M PB 1400</u>	All Weather Liquid Pavement Marking Series 1400
<u>3M PB AWT</u>	All Weather Thermoplastic
<u>3M PB CR AWE</u>	3M™ Connected Roads All Weather Elements
<u>3M PSD</u>	Personal Safety Division's Tips for New OSHA Silica Regulations
<u>3M Road Surface Guide</u>	3M™ Road Surface Guide for 3M™ Stamark™ Pavement Marking Tapes

Appendix A:

Measuring Groove Depth with a Depth Plate

Use a depth plate of thickness equal to the desired groove depth.



Drop depth plate into groove.



Use a straight edge to check if depth plate fits into groove.



Put straight edge across the groove, over the top of depth plat.



Slide the depth plate back and forth to see if groove depth is correct.

For Information or Assistance

Call: 1-800-553-1380

In Canada Call:

1-800-3M HELPS (1-800-364-3577)

Internet:

<http://www.3M.com/roadsafety>

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Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable at the time of this publication, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, or conditions express or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct, indirect, special, or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.



Transportation Safety Division
3M Center, Building 0225-04-N-14
St. Paul, MN 55144-1000 USA

Phone 1-800-553-1380
Web 3M.com/roadsafety

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Illinois Department of Transportation

Office of Highways Project Implementation / Region 2 / District 3
700 East Norris Drive / Ottawa, Illinois 61350-1628

Res 2021-075

April 23, 2021

Ms. Ruth A. Scott, Executive Assistant
City of DeKalb
164 E Lincoln Hwy
DeKalb, IL 60115



MFT Funding
City of DeKalb
Section No. 21-00000-00-GM

Dear Ms. Fazekas:

The contract in the amount of \$1,251,009.56 between the City of DeKalb and Curran Contracting Company for this section was approved on April 23, 2021.

The name of your QA Manager must be forwarded to this office prior to work commencing in accordance with the Local Agency HMA QC/QA Procedures along with the date when work is scheduled to begin.

The QC Addendum approved by the QA Manager must be forwarded to this office prior to work commencing.

Additionally, all materials inspection must be in accordance with the Projects Procedure Guidelines.

One copy of the approved contract is being forwarded to the contractor. If you have any questions, please contact Dan Meagher at (815) 433-7088.

Sincerely,

Masood Ahmad, P.E.
Region Two Engineer

By: Steve Chery, MSCE, P.E.
Local Roads and Streets Engineer

Enclosure

cc: Consultant: Fehr Graham Engineering & Environmental
Contractor: Curran Contracting Company
Mike Short (letter only)



Contractor's Name

Curran Contracting Company

Contractor's Address

286 Memorial Court

City

Crystal Lake

State

IL

Zip Code

60014

STATE OF ILLINOIS

Local Public Agency

DeKalb

County

DeKalb

Section Number

21-00000-00-GM

Street Name/Road Name

DeKalb Streets 2021

Type of Funds

MFT

☒ CONTRACT BOND (when required)

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature

Date

--	--

Submitted/Approved

County Engineer/Superintendent of Highways Date

--	--

For a Municipal Project

Submitted/Approved/Passed

Signature

Date

	
---	--

Official Title

City Engineer

/Zachary Gill

Department of Transportation

☒ Concurrence in approval of award

Regional Engineer Signature

Date

	
--	---

Local Public Agency	Local Street/Road Name	County	Section Number
DeKalb	DeKalb Streets 2021	DeKalb	21-00000-00-GM

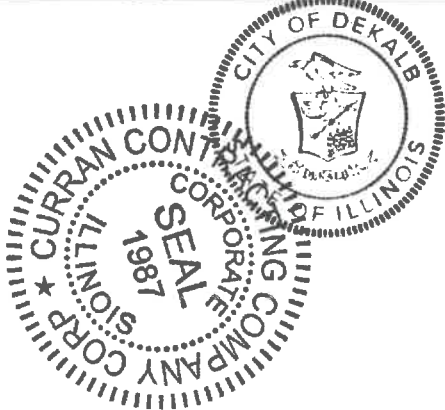
1. THIS AGREEMENT, made and concluded the 22nd day of March 2021 between the City of DeKalb, known as the party of the first part, and Curran Contracting Company, known as the party of the second part.
2. For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.
3. It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section 21-00000-00-GM in DeKalb, approved by the Illinois Department of Transportation on 02/17/21, are essential documents of this contract and are a part hereof.
4. IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The City of DeKalb

Local Public Agency Type Name of Local Public Agency

Executive Asst Date 4-3-21

(SEAL)



(SEAL)

Party of the First Part Date 4/13/2021

(If a Corporation)

Corporate Name Curran Contracting Company

President, Party of the Second Part Date 3/29/2021

Michael Leopardo, Vice President (If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part

(If a Partnership)

Partner Date

Partner Date

Partners doing Business under the firm name of Party of the Second Part

(If an individual)

Party of the Second Part Date

Attest: Secretary Date 3/29/2021

(SEAL)



COVER SHEET

Proposal Submitted By:

Contractor's Name

Curran Contracting Company

Contractor's Address

286 Memorial Court

City

Crystal Lake

State

IL

Zip Code

60014

STATE OF ILLINOIS

Local Public Agency

DeKalb

County

DeKalb

Section Number

21-00000-00-GM

Route(s) (Street/Road Name)

DeKalb Streets 2021

Type of Funds

MFT

☐ Proposal Only ☒ Proposal and Plans ☐ Proposal only, plans are separate

Submitted/Approved

For Local Public Agency:

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature

Date

Submitted/Approved

County Engineer/Superintendent of Highways Date

For a Municipal Project

Submitted/Approved/Passed

Signature

Date

Official Title

City Engineer

/ Zachary Gill

Department of Transportation

Released for bid based on limited review

Regional Engineer Signature

Date

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
DeKalb	DeKalb	21-00000-00-GM	DeKalb Streets 2021

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of City Engineer, City of DeKalb,

1216 Market Street, DeKalb, IL 60115 until 11:00 AM on 03/11/21
Address Time Date

Sealed proposals will be opened and read publicly at the office of City Engineer, City of DeKalb

1216 Market Street, DeKalb, IL 60115 at 11:00 AM on 03/11/21
Address Time Date

DESCRIPTION OF WORK

Location	Project Length
DeKalb Streets 2021	9,240

Proposed Improvement

BASE BID: This project includes various streets throughout the City of DeKalb. The main routes of this project are Taylor Street from the Lions Park Entrance to South 1st Street, South 1st Street from Taylor Street to Lincoln Highway, and North 1st Street from Lincoln Highway to Augusta Avenue. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, and ADA ramp installations. Various Alley improvements will be determined by the City Engineer.

ALTERNATE BID #1: The mandatory alternate bid includes South 7th Street from Franklin Street to Lincoln Highway in DeKalb IL. Improvements include HMA pavement removal / replacement, sanitary manhole reconstructions, and thermoplastic striping.

ALTERNATE BID #2

The mandatory alternate bid includes South 6th Street from Roosevelt Street to Grove Street in DeKalb, IL. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, thermoplastic striping, and ADA ramp installations.

1. Plans and proposal forms will be available in the office of

Fehr Graham, 515 Lincoln Highway, Rochelle, IL 61068 for a non-refundable fee of \$100. Also available electronically at www.fehr-graham.com for a non-refundable fee of \$25.

2. ☒ Prequalification

If checked, the 2 apparent as read low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57) in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and two originals with the IDOT District Office.

- The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
- The following BLR Forms shall be returned by the bidder to the Awarding Authority:
 - Local Public Agency Formal Contract Proposal (BLR 12200)
 - Schedule of Prices (BLR 12201)
 - Proposal Bid Bond (BLR 12230) (if applicable)
 - Apprenticeship or Training Program Certification (BLR 12325) (do not use for project with Federal funds.)
 - Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)
- The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
- Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an

In depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.

7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
DeKalb	DeKalb	21-00000-00-GM	DeKalb Streets 2021

PROPOSAL

1. Proposal of Curran Contracting Company
Contractor's Name
286 Memorial Court, Crystal Lake, IL 60014
Contractor's Address
2. The plans for the proposed work are those prepared by Fehr Graham
and approved by the Department of Transportation on Feb 17, 2021
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work within _____ working days or by 09/15/21 unless additional time is granted in accordance with the specifications.
6. The successful bidder at the time of execution of the contract will _____ be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.
7. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.
8. The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.
9. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.
10. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will _____ be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: City Treasurer of City of DeKalb
The amount of the check is _____ (5%).

Attach Cashier's Check or Certified Check Here

In the event that one proposal guaranty check is intended to cover two or more bid proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual bid proposal. If the proposal guaranty check is placed in another bid proposal, state below where it may be found.

The proposal guaranty check will be found in the bid proposal for: Section Number _____.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
DeKalb	DeKalb	21-00000-00-GM	DeKalb Streets 2021

CONTRACTOR CERTIFICATIONS

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense, or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or Local government. No corporation shall be barred from contracting with any unit of State or Local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) It has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 8 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.



Schedule of Prices

SOP
x3
BASE
ALT 1
ALT 2



Contractor's Name

CURRAN CONTRACTING COMPANY

Contractor's Address

286 MEMORIAL COURT

City

CRYSTAL LAKE

IL

60014

Local Public Agency

DeKalb

County

DeKalb

Section Number

21-00000-00-GM

Route(s) (Street/Road Name)

DeKalb Streets 2021 - 1st Street and Taylor Street - Base Bid

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid (For complete information covering these items, see plans and specifications)

Item Number	Items	Unit	Quantity	Unit Price	Total
20101400	NITROGEN FERT NUTR	POUND	17.00	3	\$ 51.00
20101500	PHOSPHORUS FERT NUTR	POUND	17.00	3	\$ 51.00
20101600	POTASSIUM FERT NUTR	POUND	17.00	3	\$ 51.00
21101615	TOPSOIL F & P 4	SQYD	844.00	7	\$ 5,908.00
25000110	SEEDING CL 1A	ACRE	0.20	7500	\$ 1,500.00
25100630	EROSION CONTR BLANKET	SYD	844.00	2.5	\$ 2,110.00
28000500	INLET & PIPE PROTECT	EACH	62.00	77.5	\$ 4,805.00
35800200	AGG BASE REPAIR	TON	565.00	35	\$ 19,775.00
40600290	BIT MATLS TACK CT	POUND	30585.00	0.01	\$ 305.85
40603085	HMA BC IL-19.0 C N70	TON	3376.00	50	\$ 168,800.00
40604000	HMA SC IL-9.5FG C N50	TON	508.00	68	\$ 34,544.00
40604050	HMA SC IL-9.5 C N50	TON	1325.00	63	\$ 83,475.00
40604052	HMA SC IL-9.5 C N70	TON	2025.00	61	\$ 123,525.00
42400200	PC CONC SIDEWALK 5	SQ FT	3900.00	7.55	\$ 29,445.00
42400800	DETECTABLE WARNINGS	SQFT	350.00	35	\$ 12,250.00
44000157	HMA SURF REM 2	SQYD	11650.00	2.4	\$ 27,960.00
44000165	HMA SURF REM 4	SQYD	23485.00	3.05	\$ 71,629.25
44000500	COMB CURB GUTTER REM	FOOT	600.00	18	\$ 10,800.00
44000600	SIDEWALK REM	SQ FT	3900.00	4	\$ 15,600.00
44201683	CL D PATCH T3 3	SQYD	878.00	30	\$ 26,340.00
60255500	MAN ADJUST	EACH	20.00	575	\$ 11,500.00
60260100	INLET ADJUST	EACH	16.00	554	\$ 8,864.00
60266600	VALVE BOX ADJUST	EACH	8.00	700	\$ 5,600.00
60603800	COMB CC&G TB6.12	FOOT	600.00	32.6	\$ 19,560.00
67100100	MOBILIZATION	LSUM	1.00	58500	\$ 58,500.00

DeKalb Streets 2021 - 1st Street and Taylor Street - Base Bid						
70107025	CHANGEABLE MESSAGE SN	CAL DA	14.00	55	\$	770.00
70300510	PAVT MARK TAPE T3 L&S	SQFT	200.00	1	\$	200.00
70300520	PAVT MARK TAPE T3 4	FOOT	4000.00	1.3	\$	5,200.00
70300570	PAVT MARK TAPE T3 24	FOOT	200.00	3.15	\$	630.00
78000100	THPL PVT MK LTR & SYM	SQ FT	575.00	5	\$	2,875.00
78000200	THPL PVT MK LINE 4	FOOT	19835.00	0.55	\$	10,909.25
78000400	THPL PVT MK LINE 6	FOOT	1600.00	1.07	\$	1,712.00
78000500	THPL PVT MK LINE 8	FOOT	530.00	1.66	\$	879.80
78000650	THPL PVT MK LINE 24	FOOT	300.00	5	\$	1,500.00
88600100	DET LOOPT1	FOOT	480.00	16.3	\$	7,824.00
X0100022	TILL RESHAPE & C RB	SQYD	3600.00	3.75	\$	13,500.00
X0326806	WASHOUT BASIN	EACH	1.00	2000	\$	2,000.00
X6025600	MAN ADJUST SPL	EACH	21.00	1344	\$	28,224.00
X6026051	SAN MAN RECONST	EACH	14.00	3642	\$	50,988.00
X7010216	TRAF CONT & PROT SPL	LSUM	1.00	6250	\$	6,250.00
Z0004005	FIBER ASPHALT	POUND	3040.00	8.7	\$	26,448.00
Z0033700	LONG JOINT SEALANT	FOOT	10915.00	2.4	\$	26,196.00
Z0048665	RR PROT LIABILITY INS	LSUM	1.00	6500	\$	6,500.00
78003110	PREF PL PM TB LINE 4	FOOT	2530.00	3.85	\$	9,740.50
X7830070	GRV RCSD PVT MRKG	FOOT	2530.00	0.5	\$	1,265.00
Bidder's Total Proposal					\$	946,560.65

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.



Schedule of Prices



Contractor's Name CURRAN CONTRACTING COMPANY			
State	Zip Code	City	
286 MEMORIAL COURT	CRYSTAL LAKE	IL	60014
Local Public Agency DeKalb		County DeKalb	Section Number 21-00000-00-GM
Route(s) (Street/Road Name) DeKalb Streets 2021 - 7th Street - Alternate Bid 1			

Schedule for Multiple Bids		
Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid					
(For complete information covering these items, see plans and specifications.)					
Item Number	Items	Unit	Quantity	Unit Price	Total
28000500	INLET & PIPE PROTECT	EACH	11.00	77.5	\$ 852.50
35800200	AGG BASE REPAIR	TON	170.00	35	\$ 5,950.00
40600290	BIT MATLS TACK CT	POUN	4610.00	0.01	\$ 46.10
40603085	HMA BC IL-19.0 N70	TON	450.00	64	\$ 28,800.00
40604052	HMA SC IL-9.5 C N70	TON	359.00	70	\$ 25,130.00
44000165	HMA SURF REM 4	SQYD	3566.00	4.8	\$ 17,116.80
44200050	CL D PATCH T3 3	SQYD	178.00	30	\$ 5,340.00
60255500	MAN ADJUST	EACH	9.00	535	\$ 4,815.00
60260100	INLET ADJUST	EACH	5.00	435	\$ 2,175.00
60266600	VALVE BOX ADJUST	EACH	4.00	592	\$ 2,368.00
67100100	MOBILIZATION	LSUM	1.00	16500	\$ 16,500.00
78000100	THPL PVT MK LTR & SYM	SQFT	30.00	5	\$ 150.00
78000200	THPL PVT MK LINE 4	FOOT	2210.00	0.55	\$ 1,215.50
78000400	THPL PVT MK LINE 6	FOOT	732.00	1.1	\$ 805.20
78000500	THPL PVT MK LINE 8	FOOT	93.00	1.7	\$ 158.10
78000650	THPL PVT MK LINE 24	FOOT	210.00	5	\$ 1,050.00
88600100	DET LOOP T1	FOOT	80.00	16.3	\$ 1,304.00
X6025600	MAN ADJ SPL	EACH	4.00	2988	\$ 11,952.00
X6026051	SAN MAN RECONST	EACH	4.00	4653	\$ 18,612.00
X7010216	TRAF CONT & PROT SPL	LSUM	1.00	600	\$ 600.00
Z0004005	FIBER ASPHALT	POUN	359.00	8.7	\$ 3,123.30
Bidder's Total Proposal				\$	148,063.50

1. Each pay item should have a unit price and a total price.

DeKalb Streets 2021 - 7th Street - Alternate Bid 1

2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.



Schedule of Prices



Contractor's Name

CURRAN CONTRACTING COMPANY

Contractor's Address

286 MEMORIAL COURT

City

CRYSTAL LAKE

State

IL

Zip Code

60014

Local Public Agency

DeKalb

County

DeKalb

Section Number

21-00000-00-GM

Route(s) (Street/Road Name)

DeKalb Streets 2021 - 6th Street - Alternate 2

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
20101400	NITROGEN FERT NUTR	POUND	9.00	3.00	\$ 27.00
20101500	PHOSPHORUS FERT NUTR	POUND	9.00	3.00	\$ 27.00
20101600	POTASSIUM FERT NUTR	POUND	9.00	3.00	\$ 27.00
21101615	TOPSOIL F & P 4	SQYD	484.00	7.00	\$ 3,388.00
25000110	SEEDING CL 1A	ACRE	0.10	10000.00	\$ 1,000.00
25100630	EROSION CONTR BLANKET	SYD	484.00	5.00	\$ 2,420.00
28000500	INLET & PIPE PROTECT	EACH	11.00	77.50	\$ 852.50
35800200	AGG BASE REPAIR	TON	170.00	35.00	\$ 5,950.00
40600290	BIT MATLS TACK CT	POUND	4626.00	0.01	\$ 46.26
40604000	HMA SC IL-9.5FG C N50	TON	222.00	73.00	\$ 16,206.00
40604050	HMA SC IL-9.5 C N50	TON	443.00	66.00	\$ 29,238.00
42400200	PC CONG SIDEWALK 5	SQFT	800.00	7.55	\$ 6,040.00
42400800	DETECTABLE WARNINGS	SQFT	170.00	35.00	\$ 5,950.00
44000157	HMA SURF REM 2	SQYD	5141.00	3.15	\$ 16,194.15
44000500	COMB CURB GUTTER REM	FOOT	300.00	18.00	\$ 5,400.00
44000600	SIDEWALK REM	SQFT	800.00	4.00	\$ 3,200.00
44201683	CL D PATCH T3 3	SQYD	125.00	30.00	\$ 3,750.00
60255500	MAN ADJUST	EACH	8.00	519.00	\$ 4,152.00
60260100	INLET ADJUST	EACH	1.00	660.00	\$ 660.00
60266600	VALVE BOX ADJUST	EACH	4.00	502.00	\$ 2,008.00
60603800	COMB CC&G TB6.12	FOOT	300.00	32.60	\$ 9,780.00
671001000	MOBILIZATION	LSUM	1.00	17000.00	\$ 17,000.00
78000400	THPL PVT MK LINE 6	FOOT	784.00	1.10	\$ 862.40
78000650	THPL PVT MK LINE 24	FOOT	150.00	5.00	\$ 750.00
X6025600	MAN ADJ SPL	EACH	2.00	1065.00	\$ 2,130.00

DeKalb Streets 2021 - 6th Street - Alternate 2

Item Number	Items	Unit	Quantity	Unit Price	Total
X6026051	SAN MAN RECONST	EACH	3.00	4691.00	\$ 14,073.00
X7010216	TRAF CONT & PROT SPL	LSUM	1.00	1400.00	\$ 1,400.00
Z0004005	FIBER ASPHALT	LB	443.00	8.70	\$ 3,854.10
Bidder's Total Proposal					\$ 156,385.41

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.



ADDENDUM NO. 1

**CITY OF DEKALB
DeKalb Streets 2021
DeKalb, IL
March 05, 2021**

This Addendum shall include the following Clarifications, Modifications and Additions to the contract documents.

Clarifications:

1. Contractor shall mill and pave around the radius of W. Roosevelt Street on S. 1st Street.
2. Contractor shall mill and pave around the radius on the East side of Franklin Street.

Modifications:

1. The Schedule of Prices for the Base Bid has been modified to include the following changes:
 - a. Pay Item 78000200 THERMOPLASTIC PAVEMENT MARKING- LINE 4" quantity has been reduced by 2,530 FEET to a total of 19,835 FEET.

The Schedule of Prices for the Base Bid attached to this Addendum No. 1 must be used and returned when submitting your bid. No changes have been made to the Schedule of Prices for Alternate Bid 1 and Alternate Bid 2.

Additions:

1. The Schedule of Prices for the Base Bid has been modified to include the following changes:
 - a. Pay Item 78003110 PREFORMED PAVEMENT MARKING TYPE B, LINE 4", has been added to the schedule of prices with a total quantity of 2,530 FEET.
 - a. Pay Item X7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5", has been added to the schedule of prices with a total quantity of 2,530 FEET.

The Schedule of Prices for the Base Bid attached to this Addendum No. 1 must be used and returned when submitting your bid. No changes have been made to the Schedule of Prices for Alternate Bid 1 and Alternate Bid 2.

2. Please refer to the Special Provisions attached to this Addendum No. 1 which detail the following additions to the Special Provisions:
 - a. A special provision has been added for pay item #78003110 PREFORMED PAVEMENT MARKING, TYPE B, LINE 4".
 - b. A special provision has been added for pay item #X7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5".
3. A BDE Special Provision for Item #7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5" has been added to the bid documents and is attached to this Addendum No. 1. The BDE SPECIAL PROVISIONS For the January 15 and March 5, 2021 Lettings has been updated and is also attached to this Addendum No. 1.

Addendum

4. Technical Specifications for Items #78003110 and #X7830070 have been added to the bid documents and are attached to this Addendum No. 1.

This Addendum consists of forty (40) pages.

This Addendum Signature Page must be returned with the Contractors bid.

This ends the requirements of this addendum.

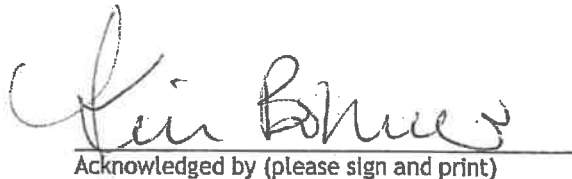
This Addendum No. 1 has been prepared by:



Brock Sutton

Contractor's Acknowledgement:

Curran Contracting Company
Firm Name (please print)


Acknowledged by (please sign and print)

Kim Bolanowski

END OF ADDENDUM NO. 1

O:\DeKalb, City of\21-106 - 2021 MFT Streets program\Engineering\2021 Streets\Bid Docs\Addenda\21-106 DeKalb Streets
2021 Addendum No. 1 eBidDoc 7626753.docx



Contractor's Name

Contractor's Address

City

State

Zip Code

Local Public Agency

County

Section Number

Route(s) (Street/Road Name)

Schedule for Multiple Bids

Combination Letter	Section Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
20101400	NITROGEN FERT NUTR	POUND	17.00		\$0.00
20101500	PHOSPHORUS FERT NUTR	POUND	17.00		\$0.00
20101600	POTASSIUM FERT NUTR	POUND	17.00		\$0.00
21101615	TOPSOIL F & P 4	SQ YD	844.00		\$0.00
25000110	SEEDING CL 1A	ACRE	0.20		\$0.00
25100630	EROSION CONTR BLANKET	SY YD	844.00		\$0.00
28000500	INLET & PIPE PROTECT	EACH	62.00		\$0.00
35800200	AGG BASE REPAIR	TON	565.00		\$0.00
40600290	BIT MATLS TACK CT	POUND	30585.00		\$0.00
40603085	HMA BC IL-19.0 C N70	TON	3376.00		\$0.00
40604000	HMA SC IL-9.5FG C N50	TON	508.00		\$0.00
40604050	HMA SC IL-9.5 C N50	TON	1325.00		\$0.00
40604052	HMA SC IL-9.5 C N70	TON	2025.00		\$0.00
42400200	PC CONC SIDEWALK 5	SQ FT	3900.00		\$0.00
42400800	DETECTABLE WARNINGS	SQ FT	350.00		\$0.00
44000157	HMA SURF REM 2	SQ YD	11650.00		\$0.00
44000165	HMA SURF REM 4	SQ YD	23485.00		\$0.00
44000500	COMB CURB GUTTER REM	FOOT	600.00		\$0.00
44000600	SIDEWALK REM	SQ FT	3900.00		\$0.00
44201683	CL D PATCH T3 3	SQ YD	878.00		\$0.00
60255500	MAN ADJUST	EACH	20.00		\$0.00
60260100	INLET ADJUST	EACH	16.00		\$0.00
60266600	VALVE BOX ADJUST	EACH	8.00		\$0.00
60603800	COMB CC&G TB6.12	FOOT	600.00		\$0.00
67100100	MOBILIZATION	L SUM	1.00		\$0.00

Local Public Agency		County	Section Number		Route(s) (Street/Road Name)
DeKalb		DeKalb	21-00000-00-GM		DeKalb Streets 2021 - 1s
Item Number	Items	Unit	Quantity	Unit Price	Total
70107025	CHANGEABLE MESSAGE SN	CAL DA	14.00		\$0.00
70300510	PAVT MARK TAPE T3 L&S	SQ FT	200.00		\$0.00
70300520	PAVT MARK TAPE T3 4	FOOT	4000.00		\$0.00
70300570	PAVT MARK TAPE T3 24	FOOT	200.00		\$0.00
78000100	THPL PVT MK LTR & SYM	SQ FT	575.00		\$0.00
78000200	THPL PVT MK LINE 4	FOOT	19835.00		\$0.00
78000400	THPL PVT MK LINE 6	FOOT	1600.00		\$0.00
78000500	THPL PVT MK LINE 8	FOOT	530.00		\$0.00
78000650	THPL PVT MK LINE 24	FOOT	300.00		\$0.00
88600100	DET LOOP T1	FOOT	480.00		\$0.00
X0100022	TILL RESHAPE & C RB	SQ YD	3600.00		\$0.00
X0326806	WASHOUT BASIN	EACH	1.00		\$0.00
X6025600	MAN ADJUST SPL	EACH	21.00		\$0.00
X6026051	SAN MAN RECONST	EACH	14.00		\$0.00
X7010216	TRAF CONT & PROT SPL	L SUM	1.00		\$0.00
Z0004005	FIBER ASPHALT	POUND	3040.00		\$0.00
Z0033700	LONG JOINT SEALANT	FOOT	10915.00		\$0.00
Z0048665	RR PROT LIABILITY INS	L SUM	1.00		\$0.00
78003110	PREF PL PM TB LINE 4	FOOT	2530		\$0.00
X7830070	GRV RCSD PVT MRKG	FOOT	2530		\$0.00
Bidder's Total Proposal					\$0.00

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.



Local Public Agency

County

Section Number

City of DeKalb

DeKalb

21-00000-00-GM

The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted

April 1, 2016

, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

Herein after the terms "Owner", "City" or "Engineer" shall mean the City of DeKalb or its designated representative and the term "Contractor" shall mean the entity who proposes to perform the work herein described or its designated subcontractors.

SCOPE OF WORK

BASE BID

This project includes various streets throughout the City of DeKalb. The main routes of this project are Taylor Street from the Lions Park Entrance to South 1st Street, South 1st Street from Taylor Street to Lincoln Highway, and North 1st Street from Lincoln Highway to Augusta Avenue. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, and ADA ramp installations. Various Alley improvements will be determined by the City Engineer.

ALTERNATE BID #1

The mandatory alternate bid includes South 7th Street from Franklin Street to Lincoln Highway in DeKalb IL. Improvements include HMA pavement removal / replacement, sanitary manhole reconstructions, and thermoplastic striping.

ALTERNATE BID #2

The mandatory alternate bid includes South 6th Street from Roosevelt Street to Grove Street in DeKalb, IL. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, thermoplastic striping, and ADA ramp installations.

CONSTRUCTION INSPECTION

Any work performed without the presence of a City designated representative to inspect said construction will not be accepted for payment as directed by the Engineer. The Contractor shall notify the Engineer a minimum of 24 hours in advance of the start of construction or the continuation of construction following a pause in work.

START / COMPLETION DATE

Work may begin on all streets on May 15, 2021. All work shall be completed no later than September 15th, 2021. Work shall initiate on North 1st Street, with work proceeding to the South towards Lincoln Highway.

CONSTRUCTION STAKING/LAYOUT

The Engineer will provide locations of project limits on each street prior to the start of construction. Limits will be painted "white".

Some construction layout will be provided for the contractor's reference, a benchmark will be provided at each ADA corner and limits marked out for removal. However, the contractor is responsible to complete the work as per the provided plans, details, and specifications. All work, especially ADA ramp construction, is to be completed to meet all local, state, and federal requirements related to the American's with Disabilities Act.

EXISTING UTILITIES AND DRAINAGE STRUCTURES LOCATIONS

The City of DeKalb does not guarantee the completeness or accuracy of the information shown on the plans (if applicable) and or specifications (where applicable) regarding location of existing utilities. The contractor shall make his own investigation to verify or determine the existence, nature and location of all utilities on the site that may interfere with construction before starting his operations. The Contractor shall report to the Engineer any omissions or differences in location from that shown on the plans. Care should be taken while working near these utilities to prevent their damage.

J.U.L.I.E.

The Contractor shall notify J.U.L.I.E. (1-800-892-0123) prior to construction so that each utility company can stake out any underground improvements that they have which may interfere with the proposed construction.

PREVAILING WAGE REQUIREMENTS

In accordance with the Public Act 94-0515, the Contractor shall be responsible for the following requirements:

Maintain records for three (3) years of all laborers or workers employed on this project including their name, address, phone number, social security number, classification, hourly wages paid in each pay period, and the number of hours worked each day.

Submit these records to the city clerk in either hard copy or electronically.

Certify in writing these records are true and accurate; that the rate paid is not less than the Applicable Prevailing Wage.

These records shall be made available for inspection by the Illinois Department of Labor on two (2) business days' notice.

The Contractor shall note that filing a false Certified Payroll is a class B misdemeanor.

MAINTENANCE OF TRAFFIC

The maintenance of traffic on the project shall be as follows:

701501-06 701606-10 701611-01 701701-10 701801-06 701901-08

Lane and road closures, the conveyance of thru and local traffic within, and around the construction zones shall be provided in accordance with the use of the above-referenced Highway Standards as directed by the Engineer. Except as otherwise provided herein, the Contractor shall provide at least one entrance/exit point to the commercial and residential properties at all times. The Contractor shall submit his/her proposed sequence of operations and any necessary revisions to attendant traffic control to the Engineer for approval before actual construction operations begin.

All traffic control devices and barricades throughout the project shall remain in place until the entire project location is substantially complete, or as otherwise directed by the Engineer. Any traffic control signage to remain in place longer than seven (7) days shall be post mounted.

Driveways:

Except where the plans expressly authorize temporary complete closures, the Contractor shall keep

driveways open to local traffic by keeping at least half of the width of said driveway open or by providing access at a temporary location, as approved by the Engineer. The Contractor shall provide and maintain access to commercial and private properties abutting the roadway being improved in accordance with Article 107.09 of the Standard Specifications. Access to commercial property shall at no time be shut off completely except as expressly authorized in the plans or as directed by the Engineer.

Removing and Resetting Traffic Signs:

This work shall consist of the removal, relocation, and resetting of traffic signs which interfere with construction operations. This work shall also include the removal, relocation, and resetting of existing wood signs, delineators and other miscellaneous signs which interfere with construction operations. This work shall be performed in accordance with the applicable portions of Article 107.25 of the Standard Specifications and as directed by the Engineer. The Contractor shall remove, temporarily relocate and/or permanently reset existing signs which interfere with the construction operations. This work will not be paid for separately but shall be included in the contract lump sum price of TRAF CONT & PROT SPL. The Engineer will determine which signs will be removed, temporarily relocated and permanently reset.

Brooming Roadway:

All traffic lanes which are closed to through traffic during construction shall be broomed or swept free of all loose gravel or construction debris before the traffic lane is reopened to traffic. All roadway surface conditions shall be approved by the Engineer before they are opened to traffic. This work will not be paid for separately but shall be considered included in the Contractor's scope of work.

GENERAL NOTES

This project shall be constructed in accordance with the plans, specifications, and as detailed below:

Unless otherwise directed in the plans and specifications, at no time shall more than half of the street be under construction. This construction includes structure adjustments, reconstruction, any concrete work in or adjacent to the street, milling, paving, and operations.

The City of DeKalb requires all vendors to maintain a professional working environment at all times. Representatives of the general contractor (including all sub-contractors) are required to treat members of the general public, City of DeKalb employees/elected officials, and other agents of the City with the utmost respect and courtesy at all times. Profanity, intimidation, the use of racial or ethnic slurs, or any other harassment of the general public and representatives of DeKalb is strictly prohibited.

For each documented incident involving the behavior described above, a fine of \$1,500 will be assessed to the general contractor. Further, the employee or employees identified and involved in the incident shall be promptly removed and not allowed to return to work on the project.

Cornfest 2021 is scheduled to take place in downtown DeKalb August 27th - August 29th, 2021. The City Engineer of DeKalb shall be consulted for direction of work beginning no later than August 13th, 2021 to coordinate construction efforts around Cornfest.

SAW CUTS

All saw cuts required by the project shall be considered incidental to the contract.

ITEM #35800200 AGGREGATE BASE REPAIR

This work shall consist of the removal and replacement of any areas of insufficient base course found after milling operations. Included in the quantity for this bid is five percent of the roadway. Areas will be

designated by the Engineer. Insufficient base course shall be identified by base thickness checks and proof rolling, as directed by the Engineer. The contractor shall notify the engineer 48 hours prior to any tests. Proof rolling shall be performed with a fully loaded six-wheeler. If the proof rolled material is deemed unsuitable, the unsuitable material shall be removed to the depth required for new aggregate base. The work shall include excavating and disposing of any surface mixes and base course, furnishing, placing, rolling, and blading 12" of Aggregate Base Course, Type B. The Aggregate Base Course shall include of 8" of CA-2 and 4" of CA-6 crushed limestone as well as the final base preparation for the HMA mixes. This work shall conform to sections 202, 351, 358, and 440 of the "Standard Specifications for Road and Bridge Construction" in Illinois, latest edition.

This work shall be paid for at the contract unit price per ton for AGGREGATE BASE REPAIR.

ITEM #42400100: PORTLAND CEMENT CONCRETE SIDEWALK 5"

This work consists of replacing segments of offset, broken or hazardous sidewalk at locations throughout the city in accordance with Section 424 of the Standard Specification and in accordance with the Illinois Accessibility Code Standards.

Any variable height edge treatments not exceeding 8 inches, including side curb, and back curb along ADA ramps, sidewalk, and landings will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK 5'.

Sidewalk forms shall be constructed of full depth material and struck off along the top edge of the forms.

Removal of tree roots that are causing the sidewalk to heave, shall be considered incidental to this pay item.

No cure and seal compound shall be applied when the air temperature is below 40 degrees or is between 40 and 45 degrees and falling. All concrete poured after November 1 shall meet the requirements of Article 420.18 and Protective Coating shall meet the requirements of Section 1023.

Revise Article 424.08, Curb Ramps to include the following paragraph:

"Where the sidewalk abuts curb and gutter, the sidewalk shall be poured to full depth of the curb and gutter for minimum width of 12 inches. No. 4 rebar shall be drilled and epoxied into the curb to restrict the new sidewalk from settling. No expansion joint will be placed at the curb and gutter but shall be placed at the top of the ramp where it meets the main walk. All new concrete walk shall be pinned to existing walk."

Revise Article 424.10, Backfill to include the following paragraph:

"Restoration of disturbed lawn areas on all sides of the sidewalk shall be with a minimum 4" of and Class 1A seed mixture. All traffic control and barricades protecting unsafe areas shall stay in place until this process is completed. This work shall be done in accordance with Section 250 of the Standard Specifications for Road and Bridge Construction."

Revise Article 424.12, Basis of Payment, to read as follows:

"This work will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK, 5", which price shall include all methods of curing and protective coating, required base course materials, expansion joints, rebar, variable height edge treatment at sidewalk ramps, variable height back curb around sidewalk landings, backfilling sidewalk with compacted topsoil and any removal and disposal of subgrade and/or earth excavation to achieve the proper ADA requirements."

ITEM #42400800 DETECTABLE WARNINGS

This work shall be done in accordance with Section 424 of the Standard Specifications. See the attached technical specifications for DETECTABLE WARNINGS.

This work shall be paid for at the contract unit price per square foot for DETECTABLE WARNINGS.

ITEM #60266600: VALVE BOXES TO BE ADJUSTED

This work shall be done in accordance with Section 602 of the Standard Specifications for Road and Bridge Construction (latest edition) and the attached detail. A full depth saw-cut consisting of a 1'x1' diamond configuration around the center of the valve box shall be completed by the Contractor. The Contractor shall remove the existing pavement/aggregate material to a depth of 10" below the finished grade elevation. The valve shall be adjusted to the finished grade elevation. The Contractor shall fill the 1' by 1' surrounding space with IDOT Approved SI Concrete to a max of 10" deep to the top of the valve box (set at finished grade elevation).

This work shall be paid for at the contract unit price per each for VALVE BOXES TO BE ADJUSTED.

ITEM #60603800: COMBINATION CONCRETE CURB AND GUTTER TB6.12

This work consists replacement of deteriorated curb and gutter segments throughout the city in accordance with Section 606 of the Standard Specifications. For most part, the type of curb is B-6.12 (See City of DeKalb Street Standard ST-100).

Revise Article 606.04 Excavation, to include the following paragraph:

"No additional compensation will be made for over excavation in depth due to operator error, or unsuitable subgrade material. Contractor can pour extra concrete or place compacted aggregate back for the over excavation at their cost."

Revise Article 606.06 Placing Concrete to include the following paragraph:

"Whenever the curb construction is to be across a previously backfilled trench or excavation or across sub-grade of questionable stability, #4, (1/2") reinforcing bars shall be installed to adequately span the area of concern. All bars shall be long enough to extend over the areas of settled sub-grade, flanking the area of concern."

No Cure and Seal compound shall be applied when the air temperature is below 40 degrees or is between 40 and 45 degrees and falling. All concrete poured after November 1st shall meet the requirement of Article 420.18.

All Combination Curb and Gutter Sections shall be tied to existing curb with two #4 epoxy coated reinforcing tie bars.

Revise Article 606.13. Backfill, to include the following paragraphs:

"Restoration of disturbed HMA street areas in front of the curb line shall be prepared by squaring all edges to a uniform shape while maintaining a substantial base and filled with a HMA binder course to a level depending on thickness of overlay determined by the Engineer. The area shall then be cleaned, primed and a HMA surface course shall be placed. When the existing HMA surface is to be milled, the HMA surface course shall be omitted. The HMA binder and surface course patching shall be considered incidental to this pay item. "

"At locations of replaced curb at sidewalk ramps and in high volume pedestrian traffic, temporary HMA patching shall be placed and compacted in front of the curb to the proper grade directed by the Engineer."

"Restoration of disturbed lawn areas behind the curb shall be with a minimum 4" and Class 1A seed mixture. All traffic control and barricades protecting unsafe areas shall stay in place until this process is completed." This work shall be done in accordance with Section 250 of the Standard Specifications for Road and Bridge Construction.

Curing and protection, aggregate base, permanent and temporary pavement restoration, and backfilling of curb with topsoil will not be paid for separately. The cost of this work shall be included in the unit cost per foot for COMBINATION CONCRETE CURB AND GUTTER TB6.12.

ITEM 88600100 DETECTOR LOOP, TYPE I

This work shall be done in accordance with Section 886 of the Standard Specifications. The Contractor shall make connection to the existing power source as part of this work. Connections shall be completed by soldering or other techniques as required. Upon completion of work, testing of all loops shall be the Owner.

This work shall be paid for at the contract unit price per foot for DETECTOR LOOP, TYPE I.

ITEM #X0100022: TILL, RESHAPE, AND COMPACT ROADBED

Work shall be completed in accordance with Section 440 of the Standard Specifications for Road and Bridge Construction (latest edition). By way of milling operations, the contractor shall utilize the existing pavement to supplement the existing aggregate base course to a minimum 8" of total depth. The existing pavement shall be milled, pulverized, and compacted in place. Large chunks of the surface course shall be removed prior to compaction efforts. Pulverized material should resemble a CA-6 mixture, with average particle sizes approximately 3/8" diameter. If additional material is needed to achieve finished grade elevations (prior to HMA paving), Contractor shall furnish aggregate base course CA-6 as needed. CA-6 materials needed for this option or to supplement pulverizing efforts shall be considered incidental to this pay item.

This work shall be included at the contract price per square yard for TILL, RESHAPE, AND COMPACT ROADBED.

ITEM X0326806: WASHOUT BASIN

This work shall be done in accordance with Illinois Department of Transportation (IDOT) Storm Water Quality (SWQ) and Erosion Control Manual and detail in the plans.

This work shall be included at the contract unit price per Lump Sum for WASHOUT BASIN.

ITEM # X6025600: MANHOLES TO BE ADJUSTED, (SPECIAL)

This work shall consist of adjusting frames and lids. This work shall be done according to the applicable portions of Section 603 of the Standard Specifications and the following:

Construction Requirements. Prior to the milling operation, the Contractor shall remove all frames and lids of manholes and clean all asphalt away from the manhole castings. After removal, the Contractor shall place a suitable metal plate over the manhole locations and backfill the area with a temporary hot-mix or cold-mix asphalt mixture. The Contractor shall then complete the milling and placement of all HMA lifts.

After placing the surface course, the Contractor will reinstall the frames and lids and adjust them to the finished pavement elevation. The pavement must be saw cut full depth in a 5' x 5' diamond shape to create

a clean pavement edge to pour concrete against.

The excavated area around the manholes and shall be filled with Class PP-1 or PP-2 concrete at a maximum depth of 10".

All frame adjustments shall be accomplished using the procedures outlined in the Standard Specifications and as directed in the Specials Provisions herein. Any shims needed to adjust any frame shall be of solid flat steel with dimensions of 2" in width and 2" in length with uniform thickness. The frame will be set to grade using steel shims and without disturbing the adjustment; the frame will then be lifted off and set aside. A full bed of mortar will be placed on the structure between the adjusting shims, which shall form a solid masonry bond between the adjusting ring or structure. The frame shall be set back into place in a method not to damage the bed of mortar.

All manholes called out for adjustment or will be removed down to the top of the cone section, covered with a steel plate and backfilled before HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH starts. The manholes will be adjusted to final grade after the final surface is placed.

This work shall be paid for at the contract unit price per each for MANHOLES TO BE ADJUSTED (SPECIAL).

ITEM #X6026051: SANITARY MANHOLE TO BE RECONSTRUCTED

This item is for the reconstruction of sanitary manholes in effort to maintain watertight construction and will be done with the following provisions, in accordance with Section 602 of the Standard Specifications for Road and Bridge Construction and DeKalb Sanitary District requirements.

Contractor shall provide access to manholes 11861 and 11461 on S. 6th Street at all times. Both locations are used to bypass pump during overflow events. At no time, shall either one of these manholes be paved over or plated with a metal plate.

Sanitary sewer manholes shall have frame/chimney seal, as shown in the detail of the plans, or heat-activated shrink-wrap encapsulating manhole frame and adjusting area, incidental to this item. The following will be acceptable:

1. Canusa - CPS Wrapid Seal
2. Internal Adaptor Seal Ring as supplied by Sidener Supply of Belvidere, IL, (800) 892-5396.

Prior to the milling operation, the Contractor shall remove the existing cone section and install a new concrete cone section. Contractor shall place a suitable metal plate over the new cone section of the manhole and backfill the area with a temporary hot-mix or cold-mix asphalt mixture. The Contractor shall then complete the milling and placement of all HMA lifts.

After placing the surface course, the Contractor will reinstall the frames and lids and adjust them to the finished pavement elevation. The pavement must be saw cut full depth in a 5' x 5' diamond shape to create a clean pavement edge to pour concrete against.

The excavated area around the manholes shall be filled with Class PP-1 or PP-2 concrete at a maximum depth of 10". This includes areas outside of the concrete diamonds, that were excavated for placement of the precast cone.

All frame adjustments shall be accomplished using the procedures outlined in the Standard Specifications and as directed in the Special Provisions herein. Any shims needed to adjust any frame shall be of solid flat

steel with dimensions of 2" in width and 2" in length with uniform thickness. The frame will be set to grade using steel shims and without disturbing the adjustment; the frame will then be lifted off and set aside. A full bed of mortar will be placed on the structure between the adjusting shims, which shall form a solid masonry bond between the adjusting ring or structure. The frame shall be set back into place in a method not to damage the bed of mortar.

All manholes called out for adjustment or will be removed down to the top of the cone section, covered with a steel plate and backfilled before HOT-MIX ASPHALT SURFACE REMOVAL starts. The manholes will be adjusted to final grade after the final surface is placed.

This work shall be paid for at the contract unit price per each for SANITARY MANHOLES TO BE RECONSTRUCTED.

ITEM #X7010216: TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

This shall be performed in accordance with Section 701 of the Standard Specifications insofar as applicable. This item includes providing and maintaining all signs, barricades, flashers, sandbags, and flagmen to implement traffic control in accordance with the Manual on Uniform Traffic Control Devices, latest edition; and, to implement necessary job safety warnings with proper barricades, cones and snow fences around trenches, equipment and new concrete or asphalt work.

The Contractor shall coordinate all traffic control work. When directed by the Engineer, the Contractor shall remove all traffic control devices, which were installed and maintained under this Contract. Such devices shall remain the property of the Contractor. No caution tape or ribbon will be allowed to mark off areas. Areas needing to be blocked off must be protected using proper methods outlined in the MUTCD.

The Contractor shall ensure that all traffic control devices installed are operational 24 hours a day, including Sundays and holidays.

The Contractor shall provide 24-hour contact information to receive notification of any traffic control deficiencies and shall dispatch workers, materials, and equipment to correct any such deficiencies. The Contractor shall respond to any call from the Department of Public Works concerning any request for improving or correction of traffic control devices and begin making requested repairs within two (2) hours from the time of notification.

This item of work will be incidental to the contract as agreed upon to furnish and implement all the conditions for Traffic Control and Protection for associated project work.

TRAFFIC CONTROL PLAN

All roads shall be kept open to traffic. All signs, except those referring to daily lane closures, shall be post mounted in accordance with Standard 701901 for all projects that exceed a four-day duration. There shall be no weekend lane closures. Construction signs referring to daytime lane closures during working hours shall be removed, covered or turned away from the view of the motorists during non-working hours.

The Contractor shall furnish, erect, maintain and remove all signs, barricades, flaggers and other traffic control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be as directed by the Engineer and in accordance with the applicable parts of Section 701 of the Standard Specifications.

The Contractor shall notify the City of DeKalb, Local Fire and Police Departments, and adjacent property owners a minimum of 5 days prior to closing any portion of adjacent streets or alleys.

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Traffic Control shall be according to the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the National Manual on Uniform Traffic Control Devices for Streets and Highways, Illinois Supplement to the National Manual on Uniform Traffic Control Devices, these special provisions, and any special details and Highway Standards contained herein and in the plans.

Special attention is called to Articles 107.09 and 107.14 of the Standard Specifications for Road and Bridge Construction and the following Highway Standards relating to traffic control.

Standards:

701501 701502 701606 701701 701801 701901

General:

Where construction activities involve sidewalks on both sides of the street, the work shall be staged so that both sidewalks are not out of service at the same time.

Signs:

No bracing shall be allowed on post-mounted signs.

"BUMP" (W8-1(O)48) signs shall be installed as directed by the Engineer.

All regulatory signs shall be maintained at a 5-foot minimum bottom (rural), 7 feet minimum (urban).

Plate altering signs shall have the same sheeting as the base sign.

No more than one (1) plate shall be used to alter a sign.

Any post stubs without a sign in place and visible shall have a reflector placed on each post.

Devices:

Cones or reflectorized cones shall not be used during hours of darkness.

A minimum of 3 drums spaced at 4 feet shall be placed at each return when the sideroad is open.

On all standards, and the devices listed in Section 701 of the Standard Specifications, the device spacing shall be revised to the following dimensions:

Where the spacing shown on the standard is 25 feet, the devices shall be placed at 20 feet.

Where the spacing shown on the standard is 50 feet, the devices shall be placed at 40 feet.

Where the spacing shown on the standard is 100 feet, the devices shall be placed at 80 feet.

Direction Indicator Barricades shall exclusively be used in lane closure tapers. They shall be used only when traffic is being merged with an adjacent through lane or shifted onto a median crossover. Backside to resemble a type II barricade. Taper shall not be broken for a side street or commercial entrance.

Lights:

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Steady burn mono-directional lights are required on devices delineating a widening trench.

Flagger at Sideroads and Commercial Entrances:

Effective: August 1, 2011

Flaggers shall comply with all requirements contained in the Department's "Flagger Handbook" dated September 2011. The flagger equipment listed for flaggers employed by the Illinois Department of Transportation shall apply to all flaggers.

All workers and flaggers shall wear ANSI Class E pants and an ANSI Class 2 vest that in combination meet the requirements of ANSI/ISEA 107 2004 for Conspicuity Class 3 garments during hours of darkness.

This work shall be paid for at the contract unit price per lump sum for TRAF CONT & PROT SPL.

ITEM #Z0004005 FIBER ASPHALT

Attached are the technical specifications for FIBER ASPHALT which shall govern for all work.

This work shall be paid for at the contract unit price per pound (LB) of FIBER ASPHALT.

ITEM #Z0033700 LONGITUDINAL JOINT SEALANT, 18" BAND

Only work on North 1st Street and South 1st Street is to incorporate longitudinal joint sealant. Joint sealant shall meet all requirements of Section 1050, as well as Supplemental Specifications.

Longitudinal joint sealant shall be Road Fabric Product J-Band, or approved equal, as per manufacturer's specifications, and installation shall meet with engineer's approval.

This work shall be paid for at the contract unit price per foot (FT) for LONGITUDINAL JOINT SEALANT, 18" BAND.

ITEM #Z0048665:RAILROAD PROTECTIVE LIABILITY INSURANCE

The crossing location is identified as AAR/DOT Crossing Number 175045R, Railroad milepost 58.76. The City of DeKalb will obtain the Maintenance Consent Letter from the Railroad. The City of DeKalb will provide the Maintenance Consent Letter to the contractor for their reference. The CONTRACTOR will be responsible for obtaining the Right of Entry Agreement from the Union Pacific Railroad, including preparing and submitting the application and all application fees, for themselves and any sub-contractors. Contractor is responsible for complying with said permit including, but not limited to, securing Railroad Protective Liability Insurance and securing/coordinating railroad flaggers. Contractor shall provide a copy of the Right of Entry Agreement to the Engineer before any work may begin inside the Railroad's Right-of-Way. All costs for said insurance and flaggers is incidental to this pay item.

This work shall be paid for at the contract unit price per lump sum basis for RAILROAD PROTECTIVE LIABILITY INSURANCE.

ITEM #78003110: PREFORMED PAVEMENT MARKING, TYPE B, LINE 4"

This work shall be done in accordance with Sections 780 and 1095 of the Standard Specifications. Locations of PREFORMED PAVEMENT MARKING, TYPE B, LINE 4" shall be the centerline, and skip-dashes on N. 1st Street from Lincoln Highway to Augusta Ave. Pavement markings shall be tape and as specified in the technical specifications attached. Approved equals shall be approved at the discretion of the City of DeKalb Engineer.

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This work shall be paid for at the contract unit price per FOOT for PREFORMED PAVEMENT MARKING, TYPE B, LINE 4".

ITEM #X7830070: GROOVING FOR RECESSED PAVEMENT MARKINGS, 5"

This work shall be done in accordance with the BDE special provision for GROOVING FOR RECESSED PAVEMENT MARKINGS.

This work shall be paid for at the contract unit price per FOOT for GROOVING FOR RECESSED PAVEMENT MARKINGS, 5".

GROOVING FOR RECESSED PAVEMENT MARKINGS (BDE)

Effective: November 1, 2012

Revised: November 1, 2020

Description. This work shall consist of grooving the pavement surface in preparation for the application of recessed pavement markings.

Equipment. Equipment shall be according to the following.

- (a) Preformed Plastic Pavement Marking Installations. The grooving equipment shall have a free-floating saw blade cutting head equipped with gang-stacked diamond saw blades. The diamond saw blades shall be of uniform wear and shall produce a smooth textured surface. Any ridges in the groove shall have a maximum height of 15 mils (0.38 mm).
- (b) Paint, Epoxy, Polyurea, Modified Urethane and Thermoplastic Pavement Marking Installations. The grooving equipment shall be equipped with either a free-floating saw blade cutting head or a free-floating grinder cutting head configuration with diamond or carbide tipped cutters and shall produce an irregular textured surface.

CONSTRUCTION REQUIREMENTS

General. The Contractor shall supply the Engineer with a copy of the pavement marking material manufacturer's recommendations for constructing a groove.

Pavement Grooving Methods. The grooves for recessed pavement markings shall be constructed using the following methods.

- (a) Wet Cutting Head Operation. When water is required or used to cool the cutting head, the groove shall be flushed with high pressure water immediately following the cut to avoid build up and hardening of slurry in the groove. The pavement surface shall be allowed to dry for a minimum of 24 hours prior to the final cleaning of the groove and application of the pavement marking material.
- (b) Dry Cutting Head Operation. When used on HMA pavements, the groove shall be vacuumed or cleaned by blasting with high-pressure air to remove loose aggregate, debris, and dust generated during the cutting operation. When used on PCC pavements, the groove shall be flushed with high pressure water or shot blasted to remove any PCC particles that may have become destabilized during the grooving process. If high pressure water is used, the pavement surface shall be allowed to dry for a minimum of 24 hours prior to the final cleaning of the groove and application of the pavement marking material.

Pavement Grooving. Grooving shall not cause ravels, aggregate fractures, spalling or disturbance of the joints to the underlying surface of the pavement. Grooves shall be cut into the pavement prior to the application of the pavement marking material. Grooves shall be cut such

that the width is 1 in. (25 mm) greater than the width of the pavement marking line as specified on the plans. Grooves for letters and symbols shall be cut in a square or rectangular shape so that the entire marking will fit within the limits of the grooved area. The position of the edge of the grooves shall be a minimum of 2 in. (50 mm) from the edge of all longitudinal joints. The depth of the groove shall not be less than the manufacturer's recommendations for the pavement marking material specified, and according to the following.

- (a) Preformed Plastic and Thermoplastic Pavement Markings. Grooving shall be to a minimum depth of 110 mils (2.79 mm) and a maximum depth of 200 mils (5.08 mm).
- (b) Paint, Epoxy, Polyurea, and Modified Urethane Pavement Markings. Grooving shall be to a minimum depth of 40 mils (1.02 mm) and a maximum depth of 80 mils (2.03 mm).

The cutting head shall be operated at the appropriate speed in order to prevent undulation of the cutting head and grooving at an inconsistent depth.

For new HMA pavements, grooves shall not be installed within 10 days of the placement of the final course of pavement.

Final Cleaning. Immediately prior to the application of the pavement marking material or primer sealer, the groove shall be cleaned with high-pressure air blast.

Method of Measurement. Grooving for lines will be measured for payment in place, in feet (meters).

Grooving for letters and symbols will be measured in square feet (square meters).

Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for GROOVING FOR RECESSED PAVEMENT MARKING of the groove width specified, and per square foot (square meter) for GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS.

The following shall only apply when preformed plastic pavement markings are to be recessed:

Add the following paragraph after the first paragraph of Article 780.07 of the Standard Specifications.

"Recessed markings in grooving shall be capable of being applied in a grooved slot on new and existing portland cement concrete and HMA surfaces, by means of a pressure-sensitive, precoated adhesive, or liquid contact cement which shall be applied at the time of installation. A primer sealer shall be applied with a roller and shall cover and seal the entire bottom of the groove. The primer sealer shall be recommended by the manufacturer of the pavement marking material and shall be compatible with the material being used. The Contractor shall install the markings in the groove as soon as possible after the primer sealer cures according to the manufacturer's recommendations."

80304

BDE SPECIAL PROVISIONS
For the January 15 and March 5, 2021 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

File Name	#		Special Provision Title	Effective	Revised
	80099	1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	April 1, 2020
	80274	2	<input checked="" type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
	80192	3	<input type="checkbox"/> Automated Flagger Assistance Device	Jan. 1, 2008	
	80173	4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	<input type="checkbox"/> Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	
	80241	6	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
	50261	7	<input type="checkbox"/> Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50481	8	<input type="checkbox"/> Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50491	9	<input type="checkbox"/> Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50531	10	<input type="checkbox"/> Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
*	80425	11	<input type="checkbox"/> Cape Seal	Jan. 1, 2020	Jan. 1, 2021
	80384	12	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
	80198	13	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
	80199	14	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80293	15	<input type="checkbox"/> Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
	80311	16	<input type="checkbox"/> Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
	80261	17	<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80387	18	<input type="checkbox"/> Contrast Preformed Plastic Pavement Marking	Nov. 1, 2017	
*	80434	19	<input type="checkbox"/> Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
	80029	20	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	March 2, 2019
	80402	21	<input checked="" type="checkbox"/> Disposal Fees	Nov. 1, 2018	
	80378	22	<input type="checkbox"/> Dowel Bar Inserters	Jan. 1, 2017	Jan. 1, 2018
	80421	23	<input type="checkbox"/> Electric Service Installation	Jan. 1, 2020	
	80415	24	<input checked="" type="checkbox"/> Emulsified Asphalts	Aug. 1, 2019	
	80423	25	<input type="checkbox"/> Engineer's Field Office and Laboratory	Jan. 1, 2020	
	80229	26	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80417	27	<input type="checkbox"/> Geotechnical Fabric for Pipe Underdrains and French Drains	Nov. 1, 2019	
	80420	28	<input type="checkbox"/> Geotextile Retaining Walls	Nov. 1, 2019	
*	80433	29	<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	
	80304	30	<input checked="" type="checkbox"/> Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2020
	80422	31	<input type="checkbox"/> High Tension Cable Median Barrier	Jan. 1, 2020	Nov. 1, 2020
	80416	32	<input checked="" type="checkbox"/> Hot-Mix Asphalt – Binder and Surface Course	July 2, 2019	Nov. 1, 2019
	80398	33	<input checked="" type="checkbox"/> Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	Nov. 1, 2019
*	80406	34	<input type="checkbox"/> Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT)	Jan. 1, 2019	Jan. 1, 2021
	80347	35	<input type="checkbox"/> Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	July 2, 2019
	80383	36	<input type="checkbox"/> Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	July 2, 2019
	80411	37	<input type="checkbox"/> Luminaires, LED	April 1, 2019	
	80393	38	<input type="checkbox"/> Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	March 1, 2019
	80045	39	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Aug. 1, 2014
	80418	40	<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Nov. 1, 2019	Nov. 1, 2020
*	80424	41	<input type="checkbox"/> Micro-Surfacing and Slurry Sealing	Jan. 1, 2020	Jan. 1, 2021
	80428	42	<input checked="" type="checkbox"/> Mobilization	April 1, 2020	
	80412	43	<input type="checkbox"/> Obstruction Warning Luminaires, LED	Aug. 1, 2019	
	80430	44	<input type="checkbox"/> Portland Cement Concrete – Haul Time	July 1, 2020	
	80359	45	<input type="checkbox"/> Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2019
	80431	46	<input type="checkbox"/> Portland Cement Concrete Pavement Patching	July 1, 2020	

80432	47	<input type="checkbox"/>	Portland Cement Concrete Pavement Placement	July 1, 2020	
80300	48	<input type="checkbox"/>	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
34261	49	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	50	<input type="checkbox"/>	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
* 80306	51	<input checked="" type="checkbox"/>	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	Jan. 1, 2021
80407	52	<input type="checkbox"/>	Removal and Disposal of Regulated Substances	Jan. 1, 2019	Jan. 1, 2020
80419	53	<input checked="" type="checkbox"/>	Silt Fence, Inlet Filters, Ground Stabilization and Riprap Filter Fabric	Nov. 1, 2019	April 1, 2020
80395	54	<input type="checkbox"/>	Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
80340	55	<input type="checkbox"/>	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
80127	56	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
80408	57	<input type="checkbox"/>	Steel Plate Beam Guardrail Manufacturing	Jan. 1, 2019	
80413	58	<input type="checkbox"/>	Structural Timber	Aug. 1, 2019	
80397	59	<input type="checkbox"/>	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	60	<input checked="" type="checkbox"/>	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
* 80435	61	<input type="checkbox"/>	Surface Testing of Pavements – IRI	Jan. 1, 2021	
80298	62	<input type="checkbox"/>	Temporary Pavement Marking	April 1, 2012	April 1, 2017
80409	63	<input checked="" type="checkbox"/>	Traffic Control Devices - Cones	Jan. 1, 2019	
80410	64	<input type="checkbox"/>	Traffic Spotters	Jan. 1, 2019	
20338	65	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	
80318	66	<input type="checkbox"/>	Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
80429	67	<input type="checkbox"/>	Ultra-Thin Bonded Wearing Course	April 1, 2020	
80288	68	<input type="checkbox"/>	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	69	<input type="checkbox"/>	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80414	70	<input type="checkbox"/>	Wood Fence Sight Screen	Aug. 1, 2019	April 1, 2020
80427	71	<input checked="" type="checkbox"/>	Work Zone Traffic Control Devices	Mar. 2, 2020	
80071	72	<input type="checkbox"/>	Working Days	Jan. 1, 2002	

The following special provisions are in the 2021 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80277	Concrete Mix Design – Department Provided	Check Sheet #37	Jan. 1, 2012	April 1, 2016
80405	Elastomeric Bearings	Article 1083.01	Jan. 1, 2019	
80388	Equipment Parking and Storage	Article 701.11	Nov. 1, 2017	
80165	Moisture Cured Urethane Paint System	Article 1008.06	Nov. 1, 2006	Jan. 1, 2010
80349	Pavement Marking Blackout Tape	Articles 701.04, 701.19(f), 701.20(j) and 1095.06	Nov. 1, 2014	April 1, 2016
80371	Pavement Marking Removal	Articles 783.02-783.04, 783.06 and 1101.13	July 1, 2016	
80389	Portland Cement Concrete	Article 1020.04 Table 1 and Note 4	Nov. 1, 2017	
80403	Traffic Barrier Terminal, Type 1 Special	Articles 631.04 and 631.12	Nov. 1, 2018	

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80317	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	Aug. 1, 2019

The following special provisions require additional information from the designer. The additional information needs to be submitted as a separate document. The Project Coordination and Implementation section will then include the information in the applicable special provision.

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal - Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

Transportation Safety Division

3M™ Stamark™ High Performance Tape Series 380I-ES

Product Bulletin 380I-ES
June 2020

Replaces Product Bulletin 380I-ES Dated February 2020

1 Description

3M™ Stamark™ High Performance Tape Series 380I-ES (“Tape”) is a durable pavement marking tape that can be used as an inlay marking in snowplow areas when recessed into grooves in new asphalt and concrete surfaces, or as an overlay marking on most asphalt and concrete pavement surfaces in good condition.

The Tape incorporates an improved pressure sensitive adhesive (“PSA”) package on its bottom surface, enabling “Extended Season” applications. When applied during the standard application season, as defined in the [3M Stamark Pavement Markings Tapes Climate Guide](#), Tape does not require the use of a 3M Stamark surface preparation adhesive.

Series A380I-ES: Used for long lines, edge lines, channelizing lines, gore markings, stop bars, and crosswalks.

Series L380I-ES: Lined. Used to cut symbols and legends.

Series SMS-L380I-ES: Lined. Precut symbols and legends.

1.1 Product Features

- o Durable, conformable to pavement, and retroreflective
- o Embedded net provides increased tear resistance
- o PSA on bottom surface
- o No surface preparation adhesive required when applied within standard tape application season as defined by the [3M Stamark Pavement Markings Tapes Climate Guide](#)
- o Can be applied early and late season, down to 40 °F (4 °C), when a 3M Stamark surface preparation adhesive is used
- o Long-term retroreflectivity
- o Abrasion-resistant microcrystalline ceramic beads bonded in a highly durable polyurethane topcoat
- o Yellow microcrystalline ceramic beads incorporated in 381I-ES Tape improve nighttime yellow color
- o Manufactured without the use of heavy metals, lead chromate pigments, or other similar, lead-containing chemicals
- o Patterned design presents a near vertical surface to traffic to maximize retroreflectance
- o Nominal total thickness of 0.090 in. (2.3 mm)
- o White: 380I-ES
- o Yellow: 381I-ES

2 Specifications

2.1 Reflectance

Table 1 presents minimum initial coefficient of retroreflected luminance (R_L) values for white and yellow Tape, when measured under dry conditions in accordance to ASTM E1710. R_L values are expressed in millicandelas per square foot per footcandle [$(\text{mcd} \bullet \text{ft}^{-2}) \bullet \text{fc}^{-1}$].

Table 1. Minimum initial dry R_L values for white and yellow Tape.

	White (380I-ES)	Yellow (381I-ES)
Entrance Angle	88.76°	88.76°
Observation Angle	1.05°	1.05°
Retroreflected Luminance ^a $R_L [(\text{mcd} \bullet \text{ft}^{-2}) \bullet \text{fc}^{-1}]$	500	300

a. The quantity of retroreflected luminance (R_L) “relates to the way the effective retroreflective surface is focused on the retina of the human eye and to the visual effect thereby produced. It is recommended for describing the performance of highway signs and striping, or large vehicular markings which are commonly viewed as discernible surface areas.” Federal Test Method Standard 370, 3.1.2, Note 6, March 1, 1977.

2.2 Color

The daytime and nighttime colors of Tape conform to ASTM D6628, the Standard Specification for Color of Pavement Marking Materials.

2.3 Skid Resistance

The surface of the Tape provides an initial average skid resistance value of 45 BPN when tested according to the procedure of ASTM E303, subject to the following modification:

- o Skid resistance is calculated as the average of two measurements taken at an angle of 45° from one another.

2.4 Patchability

Snow removal equipment and heavy traffic may cause wear and damage to Tape. Such damaged areas can be repaired using patches made of Tape. Remove damaged Tape and replace it according to the instructions presented in the “Overlay Applications” section of [3M Information Folder 5.7](#).

3 Application

Install Tape according to the instructions presented in [3M Information Folder 5.7](#).

4 Durability

The Tape is weather resistant and provides excellent retroreflectivity and color retention. The Tape is a highly effective lane marking material and will show no appreciable fading, lifting, shrinkage, or chipping for the duration of the warranty period, when applied according to the 3M requirements described in the 3M product literature.

The Tape's durability depends on several environmental and traffic conditions, including, but not limited to, snow removal practices, method of application, and pavement and atmospheric conditions at the time of application. It is recommended that the customer thoroughly evaluate Tape under the conditions present at the installation location prior to large-scale implementation.

5 Storage

Store indoors, in a cool, dry area. Use within one year of receipt.

6 Health and Safety Information

Read all health hazard, precautionary, and first aid statements found in the Safety Data Sheets (SDS) and Article Information Sheets for important health, safety, and environmental information. To obtain SDSs and Article Information Sheets for 3M products, go to 3M.com/SDS, contact 3M by mail, or for urgent requests call 1-800-364-3577.

7 Warranty Information

7.1 3M Warranty

3M warrants that, under normal traffic conditions, Tape used in pavement marking applications, will retain a minimum coefficient of retroreflected luminance (R_L) of 100 mcd/m²/lux (under dry conditions when measured in accordance with ASTM E1710) and remain visible for the period indicated in Table 2 ("Warranty Period"), as measured from the date of installation ("Installation Date"), subject to the provisions presented in Table 2 ("3M Warranty").

Table 2. Warranty period according to application type.

Application	Warranty Period
Longitudinal markings	4 years
Symbols and legends	2 years

3M also warrants that Tape sold by 3M and installed as transverse (stopbars and crosswalks) and channelizing markings will maintain road presence for the Warranty Periods indicated in Table 3, according to the provisions presented in Table 3.

Table 3. Warranty periods for channelizing markings, stopbars, and crosswalks according to application surface.

Applications Surface	Warranty Period	
	Snow Removal Areas Road presence and non wear-through	Non-Snow Removal Areas Road presence and non wear-through
Channelizing Markings		
New Asphalt Inlay	2 years	2 years
Asphalt Grooved/ Recessed	2 years	2 years
Asphalt Overlay	1 years	2 years
New Concrete Overlay	1 years	2 years
Concrete Grooved/ Recessed	2 years	2 years
Stop Bars and Crosswalks with ADT/Lane of 6,000 or Less		
New Asphalt Inlay	1 years	2 years
Asphalt Grooved/ Recessed	1 years	2 years
Asphalt Overlay	—	1 years
New Concrete Overlay	—	1 years
Concrete Grooved/ Recessed	1 years	2 years

7.2 3M Warranty Terms and Conditions

- If Tape is installed in grooves, the depths of the grooves shall be between 150 and 200 mils. Grooves shall be made with a large diameter cutting head with gang-stacked diamond cutting blades to produce a flat (smooth) groove surface, following the Stamark pavement marking tape application requirements described in [3M Information Folder 5.18](#).
- Loss of adhesion is not covered by the 3M Warranty when Tape is applied to surfaces that have been finished using anything other than a gang-stacked diamond cutting head.
- Coefficient of retroreflected luminance (R_L) shall be determined at 1.05° observation and 88.76° entrance angles according to ASTM E1710, as per the sampling and testing procedures outlined herein. Equipment used in measurements shall be in good calibrated order, according to the calibration schedule recommended by the equipment manufacturer, at the time of measurement. 3M may use an additional calibrated instrument or request a calibrated referee instrument to validate measurements.
- Tape and other 3M components involved in the 3M Warranty must be stored, applied, installed, processed, and used in accordance with all 3M application procedures found in 3M's product bulletins, information folders, manufacturing manuals, and technical memos (which will be furnished upon request).
- Tape shall be applied with the 3M-required surface preparation adhesive if the installation conditions warrant its use, as per the Stamark pavement marking tape installation instructions in [3M Information Folder 5.7](#).
- A failure to meet the 3M Warranty must be solely the result of design or manufacturing defects and not of (a) outside causes including improper fabrication, improper application, handling, maintenance, or installation; (b) substrate failure, exposure to chemicals, burial, abrasion or other mechanical damage, improper use, vandalism, or malicious mischief; or (c) an act of God.
- 3M reserves the right to determine the type of replacement marking and method of installation.
- Claims made under this warranty will be honored only if (a) the customer has maintained an accurate record of Installation Date, which constitutes the start of the Warranty Period; (b) 3M is notified in writing of a failure within one month of its discovery; (c) reasonable information requested by 3M is provided; and (d) 3M is permitted to verify the cause of the alleged failure.

- Applications in mountainous, heavy snowfall areas above 5,000 ft. (1,500 m) are not covered under the 3M Warranty.
- Damage to pavement markings caused by snow removal equipment is not covered under the 3M warranty.
- Tape must be shown not to meet the 3M Warranty when measured according to the appropriate ASTM test method, using the sampling procedure described below, to qualify for remedy under the 3M Warranty.

7.3 Exclusive Limited Remedy

If Tape is shown not to meet the 3M Warranty, 3M's sole responsibility and purchaser's and user's exclusive remedy shall be: 3M will provide the replacement materials that will restore the pavement marking retroreflectivity values to warranty levels or greater for the unexpired term of the original Warranty Period.

7.4 Sampling and Testing Procedure for Determining Initial and Retained Coefficients of Retroreflected Luminance for 3M Warranty Purposes

Step 1: A visual night inspection must be made with a 3M representative and a customer representative present to identify areas of installation which appear to be below the specified minimum retained reflectance values.

Areas which appear to be below the minimum retained reflectance value shall be identified as potential zones of replacement ("Zone of Replacement"). To qualify for replacement, a zone must be at least 360 feet (108 meters) in road length and shall consist of either edge lines, center lines, or lane lines, but not in combination.

Step 2: Within each zone, reflectance measurements must be taken at specified measurement sections. The measurement procedure varies based on the total length of the Zone of Replacement, as described below.

a Zone of Replacement Measuring 360 Feet (108 m) to 1,080 Feet (324 m) in Length

For continuous lines, reflectance measurements must be made at approximately 20 ft. (6 m) intervals throughout the Zone of Replacement. For skip lines, two measurements must be taken at two random locations on each skip throughout the Zone of Replacement.

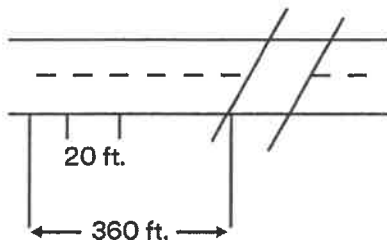


Figure 1. Measure every 20 ft. on continuous lines or 2 measurements per skip for each measurement section.

b Zone of Replacement Measuring 1,080 Feet (324 m) to 6 Miles (9.6 km) in Road Length

A minimum of three measurement sections must be specified within the Zone of Replacement. Each measurement section must be at least 360 ft. in road length. The start point, the midpoint, and the end point of the Zone of Replacement must be included in respective measurement sections as shown in Figure 2. A minimum of 18 measurements must be made at each of three measurement sections within the Zone of Replacement. For continuous lines, reflectance measurements must be made at 20 ft. (6 m) intervals throughout each measurement section. For skip lines, two measurements must be taken at two random locations on each skip in the measurement sections.

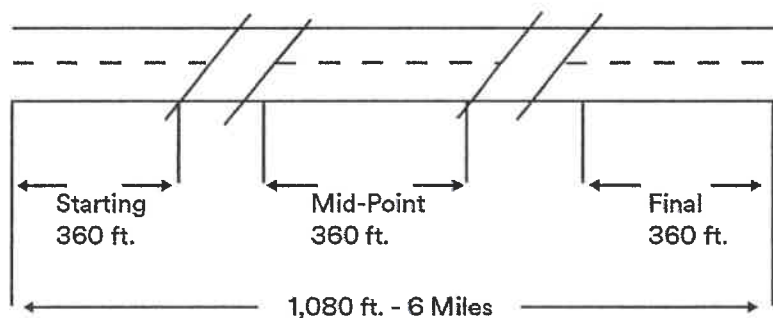


Figure 2. Measure every 20 ft. on continuous lines or 2 measurements per skip for each measurement section.

c Zone of Replacement Greater than 6 Miles in Road Length

A minimum of 18 measurements must be made in each measurement section within the Zone of Replacement. The start point and the end point must be a part of a measurement section. Each 3-mile (4.8 kilometers) interval throughout the Zone of Replacement must include at least one measurement section. For continuous lines, reflectance measurements must be made at 20 ft. (6 m) intervals throughout each measurement section. For skip lines, two measurements must be taken at two random locations on each skip in the measurement sections.

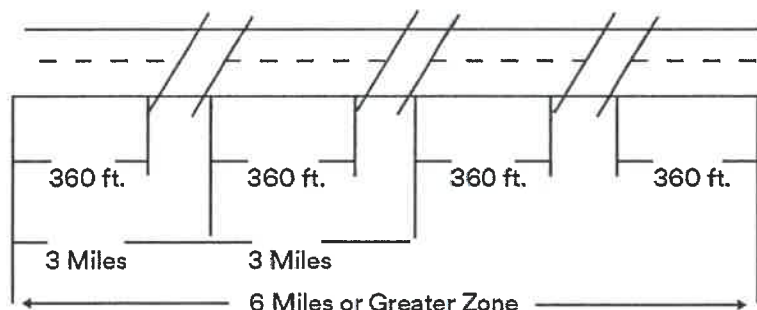


Figure 3. Measure every 20 ft. on continuous lines or 2 measurements per skip for each measurement section.

Step 3: All reflectance measurements made at checkpoints shall be made on clean, dry surfaces with a minimum temperature of 40 °F (4 °C). The test instrument shall use an entrance angle of 88.76° and an observation angle 1.05° which represent a simulated driver viewing geometry at a 30-meter distance.

Step 4: All reflectance measurements within the Zone of Replacement must be averaged to determine if the minimum retained retroreflectance values have been met.

7.5 Materials Replacement Condition

Tape must be applied according to the Stamark pavement marking tape installation instructions in [3M Information Folder 5.7](#) to qualify for any applicable materials replacement provisions.

7.6 Disclaimer

THE 3M WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING OR OF PERFORMANCE, CUSTOM, OR USAGE OF TRADE.

7.7 Limitation of Liability

Except for the limited remedy stated above, and except where prohibited by law, 3M will not be liable for any loss or damage arising from the Tape or any 3M product, whether direct, indirect, special, incidental, or consequential damages (including but not limited to lost profits, business, or revenue in any way), regardless of the legal theory asserted including warranty, contract, negligence, or strict liability.

8 Other Product Information

Always confirm that you have the most current version of the applicable product bulletin, information folder, or other product information from 3M's Website at <http://www.3M.com/roadsafety>.

9 Literature References

- [3M IF 5.2](#) Highway Tape Applicator (HTA)
- [3M IF 5.7](#) 3M™ Stamark™ Tapes Pavement Surface Preparation and Application Techniques
- [3M IF 5.18](#) Application Guidelines for Pavement Markings in Grooved Pavement Surfaces
- [3M™ Stamark™ Pavement Markings Tapes Climate Guide](#)

ASTM Test Methods are available from ASTM International, West Conshohocken, PA.

For Information or Assistance

Call: 1-800-553-1380

In Canada Call:

1-800-3M HELPS (1-800-364-3577)

Internet:

<http://www.3M.com/roadsafety>

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3M assumes no responsibility for any injury, loss, or damage arising out of the use of a product that is not of our manufacture. Where reference is made in literature to a commercially available product, made by another manufacturer, it shall be the user's responsibility to ascertain the precautionary measures for its use outlined by the manufacturer.

Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable at the time of this publication, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, or conditions express or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct, indirect, special, or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.



Transportation Safety Division
3M Center, Building 0225-04-N-14
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Transportation Safety Division

3M™ Stamark™ Pavement Marking Tape and Liquid Pavement Markings

Application Guidelines for Pavement Markings in Grooved Pavement Surfaces

Information Folder 5.18
September 2019

Replaces IF 5.18 Dated January 2018

1 Introduction

Grooving the pavement surface of a road or highway provides an alternative method for the installation of 3M Stamark Pavement Marking Tape and 3M Liquid Pavement Markings (LPM, All Weather Paint, and All Weather Thermoplastic). The benefits of grooving include enhanced protection of pavement markings and retroreflective beads from snowplow damage. Grooving extends the service lives of pavement markings.

This information folder describes the recommended procedures and application guidelines for grooving applications of the products mentioned above.

The following sections can be found in this information folder:

- Groove Specifications
- Equipment Alternatives and Surface Texture Recommendations
- Application Guidelines
- Measuring Groove Depths
- Surface Wetting Test
- Health and Safety Information
- Appendix A: Measuring Groove Depths with a Depth Plate

Follow the detailed application instructions for “Overlay Applications” found in [3M Information Folder 5.7 “3M Stamark Tapes Pavement Surface Preparation and Application Techniques”](#) when applying pavement marking tapes in grooves. All weather and climate conditions specific therein for installation of the relevant pavement marking product (liquid or tape) must be met before it is installed into the groove.

For situations not specifically covered in this information folder, or for questions regarding the installation of 3M products in grooves, it is the responsibility of the installer to contact the appropriate 3M Sales Representative or 3M pavement marking Application Engineer for guidance at 1-800-553-1380.

2 Groove Specifications

Figure 1 shows a typical section of a pavement marking in a groove with the required groove width and depth indicated for both liquid and tape pavement markings. (1000 mil = 1 inch)

Note: See Tables 1 and 2 for specific pavement marking type recommendations for tapes.

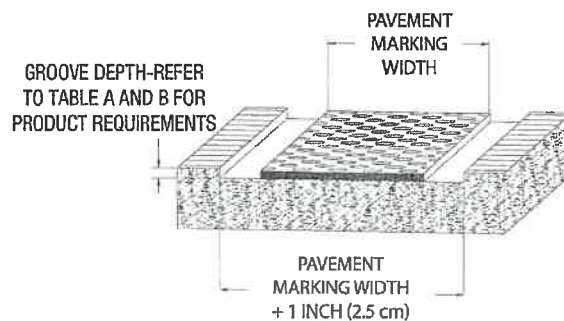


Figure 1. Geometry of a typical section of pavement marking in a groove.

2.1 Groove Depth

Grooves should be cut to depth according to the values recommended in Tables 1 and 2 below.

Table 1. Uniform groove depths for tape markings.

Pavement Marking Material	Required Groove Depth	
	Minimum	Maximum
3M Stamark Pavement Marking Tapes (Series 380I ES, 390, 270 ES, 310)	100 mils (2.54 mm)	200 mils (5.08 mm)
3M Stamark Pavement Marking Tapes Series 380AW	110 mils (2.79 mm)	200 mils (5.08 mm)

Table 2. Uniform groove depths for liquid markings.

Pavement Marking Material	Required Groove Depth
3M All Weather Paint with All Weather Elements	60 mils (1.52 mm) minimum 80 mils (2.03 mm) for max retained reflectivity.
3M Stamark Liquid Pavement Markings Series 5000 with beads and/or Connected Roads All Weather Elements	60 mils (1.52 mm) minimum 80 mils (2.03 mm) for max retained reflectivity.
3M All Weather Thermoplastic or MMA with Connected Roads All Weather Elements	Minimum 30 mils in addition to binder thickness (0.76 mm + binder thickness). For maximum retained reflectivity: 40 mils in addition to the binder thickness specification (1.02 mm + binder thickness).

Note: More aggressive traffic and harsher climates may require deeper grooves.

2.2 Groove Width – Longitudinal Markings

As shown in Figure 1, the typical groove width shall be one inch (2.5 cm) plus the width of the pavement marking. A groove that is two inches (5 cm) wider than the pavement marking width is sometimes preferred, as it facilitates a straight installation of the tape into the groove. The extra width also allows for improved tamping of the edges of the tape. Narrower grooves may provide additional protection to pavement markings, but extra care must be taken to ensure that narrow grooves are cut straight to enable straight alignment of pavement markings within grooves.

2.3 Groove Position

Stamark pavement marking tape is manufactured with a polymer conformance layer for durability, and a patterned surface for reflectivity. Tapes are recommended for a wide variety of uses, including intersection and longitudinal markings.

Note: See [3M Information Folder 3.2](#) for information on 3M Stamark Removable Pavement Marking Tapes.

2.4 Groove Cutting Speed

Groove cutting speed varies with groove width, application size, pavement surface (new or old asphalt or concrete), cutting equipment, and cutting blade. Groove cutting speed must be set in accordance with these and other factors to ensure that the required groove depth specifications are met.

2.5 Groove Cleaning

For some applications and equipment, it may be necessary to cool the cutting head with water. In general, long continuous groove cuts for edge line installations are more likely to require water cooling of blades. Cutting grooves for skip, dash, or other intermittent markings allows blades to cool between cutting operations and may not require water cooling. If water cooling is required, flush grooves immediately after cutting with a high pressure power washer to remove any cement dust/water slurry build-up. Grooves must also be flushed when dry grooving during rainfall. If freshly cut grooves are not flushed, slurry may harden in them and they may not meet the required specifications.

Note: If water is present during groove cutting for any reason, allow grooves to dry for, at minimum, 24 hours prior to pavement marking installation. Grooves must be clean and dry for proper pavement marking installation.

Clean grooves completely using an air compressor with an air flow of at least 185 CFM and an air pressure of at least 120 PSI, prior to pavement marking installation. A street sweeper or pick-up broom may effectively remove some debris, but a pass with an air compressor is required to completely clean the bottoms of grooves.

Note: Open grooves may be left open over night if they have been blown out or flushed out at the time of grooving. It is recommended that grooves be blown out again prior to pavement marking installation.

2.6 Grooved and Recessed Intersection Markings

Intersection markings, such as crosswalks and stop bars, can be grooved into a pavement surface and recessed by making multiple side-by-side passes with grooving equipment typically used for long line pavement markings. Making multiple side-by-side passes allows for the placement of wider intersection markings into a groove.

Cutting grooves with multiple passes can result in ridges between passes. Such ridges are due to the stops on each side of the cutting head resting on different levels of the pavement surface. The first grooving pass is completed with both stops resting on an even surface, as shown in Figure 2.

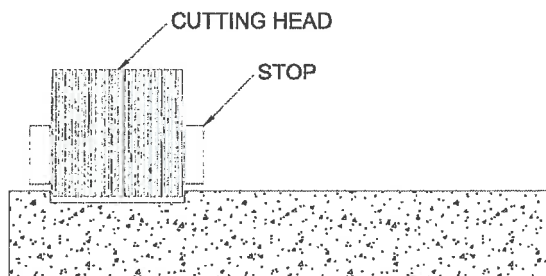


Figure 2. Position of cutting head during initial pass of a multiple-pass intersection groove cut.

After the first pass, one stop sits on the old pavement surface while the other sits slightly lower, in the newly cut groove, as illustrated in Figure 3. This produces unacceptable ridges.

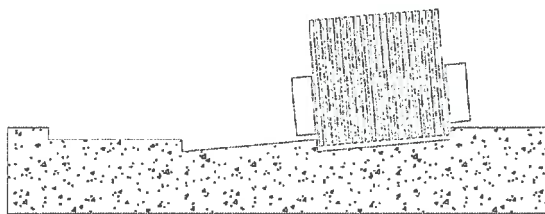


Figure 3. Position of cutting head during subsequent passes that results in ridges along the cutter head edges.

To prevent ridges, adjust the stops on either side of the cutting head after the first pass, or grind off the ridges prior to placing the pavement marking in the groove. One can also use a metal plate, with a thickness equal to the depth of the groove, to support the stop that sits on the freshly grooved surface and move the plate over for each new pass.

Legends and symbols can be grooved and recessed by grooving large square or rectangular areas that fit the pavement markings. Refer to [3M Information Folder 5.8](#) for more information.

Use wider cutting heads and more gang-stacked blades on the saw auger to reduce the number of passes needed to make wide grooves. The same can be done to reduce the number of ridges formed by multiple cutting head passes.

Curbs and median obstacles may not allow grooves to be cut across the entire width of an intersection marking using large, truck-mounted equipment. In such instances, use smaller equipment near obstacles to achieve grooves of required depths.

3 Equipment Alternatives and Surface Texture Recommendations

Several different cutting head configurations are available from different equipment manufacturers that specialize in cutting and grooving equipment. Different grooves will result from the use of different cutting heads and grooving equipment.

The use of groove-cutting equipment with free-floating, independent heads is recommended. Such configurations allow the cutting head to follow irregularities in pavement surfaces and produce grooves of consistent depth.

Important Note: The use of gang-stacked cutting blades is required when grooving asphalt pavement surfaces. The use of gang-stacked cutting blades is strongly recommended when grooving concrete pavement surfaces; this is especially true for older surfaces and surfaces that show visible signs of deterioration.

Special note: Diamond cutting blades produce optimal groove surfaces.

3.1 Saw Blade Cutting Heads

A single, large diameter (12-18 inch saw blades) cutting head with gang-stacked 1/8"-1/4" (0.30-0.63 cm) wide carbide or diamond tipped cutting blades (Figure 4) can be used in place of purpose-built grooving equipment. When doing so, place spacers between cutting blades to provide gaps for the wider cutting head tips and to decrease the number of blades required to fill the cutting head.

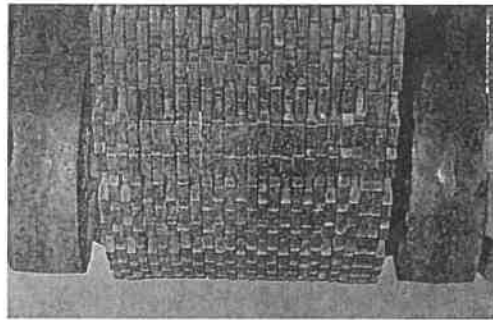


Figure 4. Saw blade cutting head

Wider blade spacings may result in heavily “ribbed” (also referred to as “ridged” or “corduroy”) patterns that are not recommended for pavement marking applications⁵. Use of gang-stacked diamond tipped cutting blades can create corduroy or ribbed patterns, as shown in Figure 5. Ribbed, or corduroy, patterns must not be irregular or large enough to prevent tape from conforming to the shapes of their lowest areas. If a tape bridges the low areas of a pattern instead of making contact with the pavement surface, moisture will penetrate the tape and result in poor adhesion..

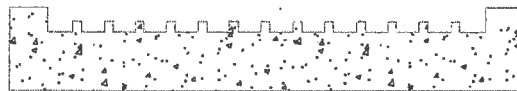


Figure 5. Cross section illustration of a coarse tooth ribbed pattern produced by widely spaced or worn blades. Replace blades and/or change spacing to avoid such groove patterns.

Thinner spacers may be used between blades to prevent irregular groove patterns. This will result in a grooves with smoother surfaces, as illustrated in Figures 6, 7, and 8. Groove ridges should rise no more than 15 mil. above the base of the groove.



Figure 6. Cross section illustration of a smooth groove made with thin spacers and new blades.

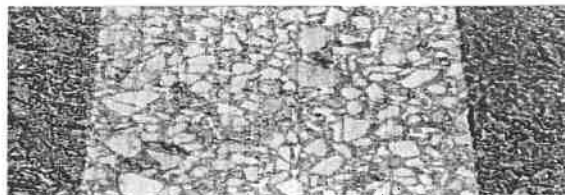


Figure 7. Photo of an asphalt cement concrete groove with a light corduroy pattern, made with properly spaced, gang-stacked cutting blades.

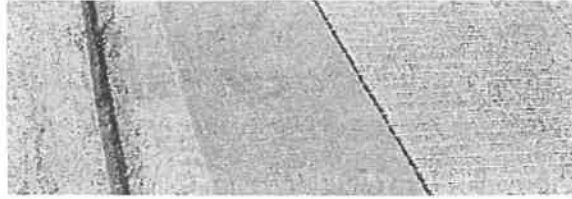


Figure 8. Portland cement concrete groove with a light corduroy, pattern, made with properly spaced, gang-stacked cutting blades.

3.2 Grinding Cutting Heads

A grinder-type cutting head, illustrated in Figure 9, can be used to groove ONLY newer Portland cement pavement surfaces in good repair.

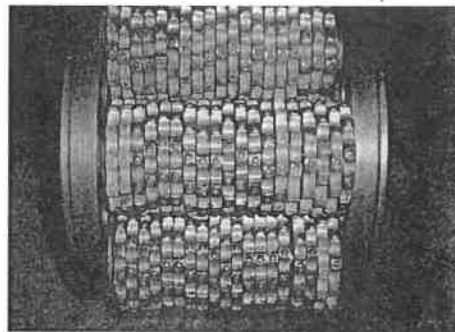


Figure 9. Grinder-type cutting head.

Grinder heads like the one shown in Figure 9 produce grooves with irregular surface textures, as illustrated in Figures 10 and 11. Such surface textures are often superior for liquid pavement marking installations.



Figure 10. Cross section illustration of the texture of a groove cut with a grinder-type cutting head.

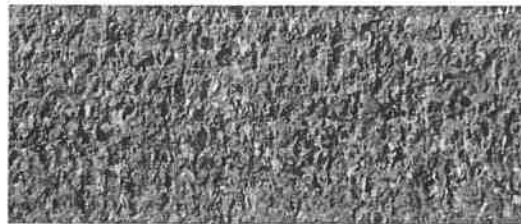


Figure 11. Photo of the surface texture of a groove cut with a grinder-type cutting head.

3.3 Achieving a Textured Surface with Saw Blades

The bottom surface of a groove is a “textured groove surface” if it has an irregular pattern and does not show the ribbed or corduroy groove patterns common to grooves newly cut with saw blades.

A textured groove surface can be achieved using the saw blade configuration shown in Figure 4 if a slow moving shot blaster, grinder, or sand blaster is used to knock down the resulting ridges and texture the groove surface following the initial groove cutting. Hydroblasting can also be used to remove ridges and texture the surface, but the groove must be allowed to dry following hydroblasting for at least 24 hours prior to pavement marking installation.

New concrete surfaces may contain more fine cement dust after cutting. This dust and all other cement residues must be removed and blown clean from groove prior to pavement marking installation.

3.4 Asphalt Cement Concrete (ACC) Surfaces

Important Note: Gang-stacked cutting blades must be used to groove asphalt pavement surfaces.

Special Note: Diamond cutting blades produce optimum groove surfaces.

Existing asphalt surfaces should possess the strength necessary to withstand groove cutting. Inspect surfaces for obvious signs of distress before cutting grooves. Refer to the [3M Road Surface Guide](#) for more details. Always inspect grooves at start-up for signs of channel or groove wall weakness. Lightly scratching a channel or groove wall with a pointed object can help determine the integrity of a cut.

Groove cutting older asphalt surfaces can sometimes weaken the aggregate/asphalt bond near the pavement surface. The structural integrity of a groove bottom should be checked after grooving and prior to pavement marking installation.

In general, newly paved asphalt surfaces should not be grooved within 10 days of placement of the final course of pavement. During the first 10 days following final placement, asphalt may be too soft to support grooving operations, especially during periods of hot weather. New asphalt surfaces must be opened to traffic for at least 10 days prior to pavement marking installation.

Some asphalt mixes require 30 days to achieve sufficient strength to support grooving operations. Prior to grooving new asphalt mixes, perform a field test on a small localized area of the new asphalt to verify that proper surface strength has been achieved.

Inlay techniques (rolling tape into fresh hot asphalt) should be utilized when installing Stamark tapes on new asphalt surfaces whenever possible. See [3M Information Folder 5.7](#) for additional information on inlay techniques.

4 Application Guidelines

The following are specific guidelines for installing Stamark tapes in grooves. They should be followed in conjunction with the detailed installation instructions presented in [3M Information Folder 5.7](#), “Pavement Surface Preparation and Application Techniques for 3M Stamark Tapes,” as well as the climate and weather recommendations made therein, to produce reliable, durable pavement markings.

4.1 Clean the Groove

Prior to installing pavement markings, clean grooves completely using an air compressor with at least 185 CFM of air flow and 120 PSI of air pressure. There should be no more than 50 feet of ¾-inch (inside diameter) hose between the compressor and the air nozzle, and the air nozzle should have an inside diameter of no less than ½-inch. The compressor should also be equipped with a moisture and oil trap. When cleaning the groove, it is recommended that the air nozzle be no more than two feet from the ground. A street sweeper or pick-up broom may also be used to clean effectively, but a pass with an air compressor is still required to completely clean the bottoms of grooves.

4.2 Apply the Tape

Apply Stamark tape in the groove according to the detailed instructions presented in [3M Information Folder 5.7](#) for “Overlay Applications.”

4.3 Tamp the Tape

When newly laid in the groove, tamp the tape thoroughly with a minimum of six (6) passes (three passes back and forth), using an RTC-2 Tamper Cart with a 200-pound (90 kg) load.

Tamping the edges of the tape is very important. To do so, tape installed in a groove requires tamping with a tamper cart roller that has been cut to fit the groove. A vehicle tire may tamp the center of the tape but not the edges near the sides of the groove. Use a modified tamper cart roller if necessary (See Figure 12). A typical modified roller is 4-inches wide and ¼-inch deep. Contact your 3M Application Engineer for further for information regarding tamping cart and roller procurement.

Important Note: A vehicle tire can be used to tamp grooved-in long line pavement marking applications of waffle pattern tapes (380I-ES, 270ES, 310, 390, and 380AW). Refer to [3M Information Folder 5.7](#) for further information.

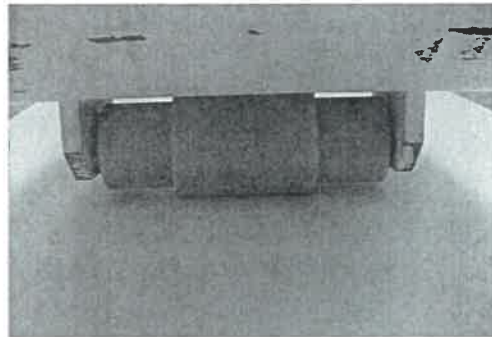


Figure 12. Tamper cart roller cut for groove tamping.

4.4 3M Liquid Pavement Markings

Properly applying liquid pavement marking products to grooves increases durability and improves long-term retroreflective performance. Grooving-in liquid pavement markings is especially effective for extending the service lives of liquid pavement markings in northern climates where snow removal equipment is used.

Refer to [3M Information Folder 5.28](#) (Liquid Pavement Markings), [3M Information Folder 5.22](#) (All Weather Paint), and [3M Information Folder 5.24](#) (All Weather Thermoplastic) for proper surface preparation methods and application requirements.

A liquid pavement marking must be fully contained within a groove to be considered successfully applied and to receive the full benefit of the groove. A wider groove (up to two inches wider than the marketing) may be needed to allow for the proper placement of the liquid marking material into the groove.

5 Measuring Uniform Groove Depths

A micrometer or depth gage can be used to verify the depth uniformities of new grooves. Another method for testing groove depth is through the use of depth plates (see Appendix).

Grooves should be checked frequently following groove cutter alignment changes to verify that proper and stable adjustments have been made and avoid improper grooving. For example, check groove depths at 10-foot intervals for 50 feet immediately following any groove cutter adjustments. Each measurement should fall within the range indicated in Table 1. Calculate the average of the five depths measured – the average should also fall within the depth range indicated in Table 1. If the average does not fall within the range indicated in Table 1, adjust the cutting equipment and check groove depth for the next 50 feet in the same way. Continue to adjust groove cutting equipment until a groove with an appropriate average depth is achieved.

6 Surface Wetting Test

Measure the wettability of the grooved surface. Use an eye dropper to apply a drop of water to the surface. The water drop should wet out on the groove surface. If not, the groove needs to be cleaned out, ground, or shot blasted.

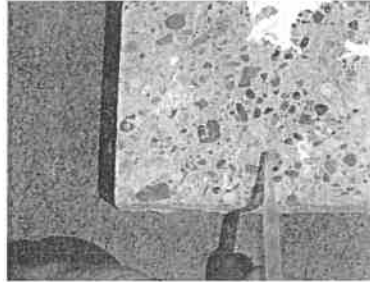


Figure 13. Place a drop of clean drinking or distilled water on the pavement surface.

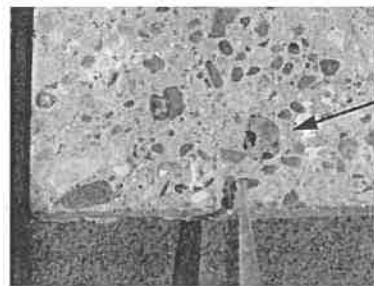


Figure 14. Water does not wet groove surface. Instead, it beads on the groove surface.

If the drop of water does not spread (if it beads on the surface instead), the surface may be contaminated and requires additional surface preparation or re-cleaning with high pressure air.

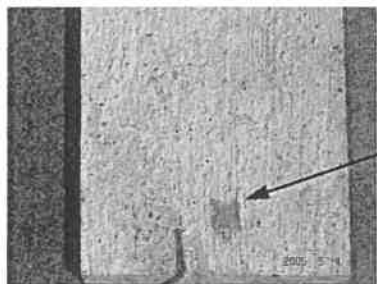


Figure 15. Water wets grooves surface, spreading out.

If the water drop spreads (wets), the surface is ready for pavement marking application.

7 Health and Safety Information

Dry pavement preparation techniques, dry grooving methods, and dry groove cleaning methods are recommended because they optimize pavement marking tape adhesive performance and facilitate immediate pavement marking application without the need for a 24-hour drying period.

Always follow applicable temporary traffic control procedures and safe work zone practices. For example, eye, ear, respiratory, or other protection may be appropriate during grooving, surface preparation, or removal of existing pavement markings. For respiratory protection requirements, please refer to the OSHA Respirable Crystalline Silica Standard and the Small Entity Compliance Guide for Respirable Crystalline Silica Standard for Construction, which can be found at www.osha.gov. If wet grinding or grooving procedures are used, including those listed in Table 1 of the referenced OSHA standards, grooves must be cleaned immediately with high pressure water spray to prevent the resulting cement dust/water slurry from hardening in the groove. Cleaning with must be followed by a 24 hour drying period prior to pavement marking installation.

Read all health hazard, precautionary, and first aid statements found in the Safety Data Sheets (SDS), Article Information Sheets, and products labels of any materials for important health, safety, and environmental information prior to handling or use. Also refer to SDSs for information regarding the volatile organic compound (VOC) contents of chemical products. Consult local regulations and authorities for possible restrictions on product VOC contents and/or VOC emissions. To obtain SDSs and Article Information Sheets for 3M products, go to 3M.com/SDS, contact 3M by mail, or for urgent requests call 1-800-364-3577.

8 Other Product Information

Always confirm that you have the most current version of the applicable product bulletin, information folder, or other product information from 3M's Website at <http://www.3M.com/roadsafety>.

9 Literature Reference

For additional information on 3M Stamark Pavement Marking Tapes, application recommendations, or 3M application equipment, refer to the following publications:

3M IF 3.2	3M™ Stamark™ Removable Tapes Pavement Surface Preparation and Application Procedures
3M IF 5.7	Pavement Surface Preparation and Application Techniques for 3M™ Stamark™ Tapes
3M IF 5.8	Instructions for Precut Symbols and Legends
3M IF 5.20	Application Guidelines for Liquid Pavement Markings
3M IF 5.22	3M™ All Weather Paint Application Guidelines
3M IF 5.23	3M™ Connected Roads All Weather Elements Application Guidelines for 3M Connected Roads All Weather Elements
3M IF 5.24	3M All Weather Thermoplastic application guidelines
3M IF 5.28	Liquid Pavement Marking Application Guidelines Series 5000
3M PB 270 ES	3M™ Stamark™ Pavement Marking Tape Series 270 ES
3M PB 310	3M™ Stamark™ Pavement Marking Tape Series 310
3M PB 380I ES	3M™ Stamark™ High Performance Tape Series 380I ES
3M PB 380AW	3M™ Stamark™ High Performance All Weather Tape Series 380AW
3M PB 390	3M™ Stamark™ High Performance Pavement Marking Tape Series 390
3M PB 1000	3M™ Stamark™ Liquid Pavement Marking Series 1000
3M PB 1400	All Weather Liquid Pavement Marking Series 1400
3M PB AWT	All Weather Thermoplastic
3M PB CR AWE	3M™ Connected Roads All Weather Elements
3M PSD	Personal Safety Division's Tips for New OSHA Silica Regulations
3M Road Surface Guide	3M™ Road Surface Guide for 3M™ Stamark™ Pavement Marking Tapes

Appendix A:

Measuring Groove Depth with a Depth Plate

Use a depth plate of thickness equal to the desired groove depth.



Drop depth plate into groove.



Use a straight edge to check if depth plate fits into groove.



Put straight edge across the groove, over the top of depth plate.



Slide the depth plate back and forth to see if groove depth is correct.

For Information or Assistance

Call: 1-800-553-1380

In Canada Call:

1-800-3M HELPS (1-800-364-3577)

Internet:

<http://www.3M.com/roadsafety>

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Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable at the time of this publication, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, or conditions express or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct, indirect, special, or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.



Transportation Safety Division
3M Center, Building 0225-04-N-14
St. Paul, MN 55144-1000 USA

Phone 1-800-553-1380
Web 3M.com/roadsafety

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FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

ADDENDUM NO. 2

CITY OF DEKALB
DeKalb Streets 2021
DeKalb, IL
March 09, 2021

This Addendum shall include the following Clarification to the contract documents.

Clarification:

1. Please refer to the attached plan set which shall be used to help determine your bid. It is our understanding some planholders may not have had the ability to download the plan set when they originally downloaded eBidDoc 7626753 City of DeKalb - DeKalb Streets 2021.

This Addendum consists of twenty-two (22) pages.

This Addendum Signature Page must be returned with the Contractors bid.

This ends the requirements of this addendum.

This Addendum No. 2 has been prepared by:



Brock Sutton

Contractor's Acknowledgement:

CURRAN CONTRACTING
Firm Name (please print)

END OF ADDENDUM NO. 2



Acknowledged by (please sign and print)
KIM BANOWSKI

O:\DeKalb, City of\21-106 - 2021 MFT Streets program\Engineering\2021 Streets\Bid Docs\Addenda\Addendum No. 2\21-106 DeKalb Streets 2021 Addendum No. 2 eBidDoc 7626753.docx

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
1	TITLE
2	SUMMARY OF QUANTITIES
3	TYPICAL SECTIONS
4	TYPICAL SECTIONS
5	TYPICAL SECTIONS
6	1ST STREET IMPROVEMENTS STA. 200+00 TO 209+17
7	1ST STREET IMPROVEMENTS STA. 209+17 TO 218+46
8	1ST STREET IMPROVEMENTS STA. 218+46 TO 227+74
9	1ST STREET IMPROVEMENTS STA. 227+74 TO 237+65
10	1ST STREET IMPROVEMENTS STA. 237+65 TO 246+35
11	1ST STREET IMPROVEMENTS STA. 246+35 TO 248+80
12	TAYLOR STREET IMPROVEMENTS STA. 1000+00 TO 1005+25
13	TAYLOR STREET IMPROVEMENTS STA. 1005+25 TO 1014+49
14	TAYLOR STREET IMPROVEMENTS STA. 1014+49 TO 1025+13
15	SOUTH 7TH STREET IMPROVEMENTS STA. 100+00 TO 108+40
16	SOUTH 7TH STREET IMPROVEMENTS STA. 108+40 TO 112+00
17	SOUTH 6TH STREET IMPROVEMENTS STA. 1200+00 TO 1208+00
18	SOUTH 6TH STREET IMPROVEMENTS STA. 1208+00 TO 1218+80
19	DETAILS
20	DETAILS
21	DETAILS

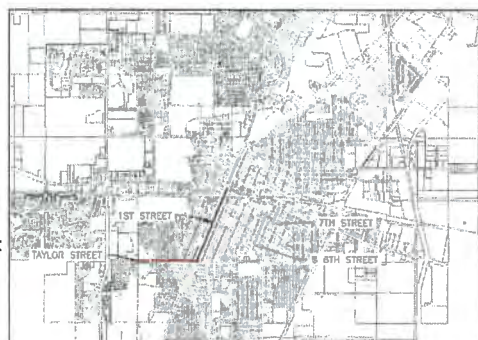
DEKALB STREETS 2021

FOR

CITY OF DEKALB DEKALB, ILLINOIS

PROPOSED STREET IMPROVEMENTS

DEKALB COUNTY
SECTION (21-00000-00-GM)
FEBRUARY 2021



LOCATION MAP



STANDARDS

424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04 DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-03 MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-05 DEPRESSED CORNER FOR SIDEWALKS
422201-03 CLASS C AND D PATCHES
606001-07 CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
701801-06 URBAN LANE CLOSURE, 2L, 2W, UNIDIRECTIONAL
701802-08 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-08 SIDEWALK, BORDER OR CROSSWALK CLOSURE
701801-08 SIDEWALK, BORDER OR CROSSWALK CLOSURE
780001-05 TYPICAL PAVEMENT MARKINGS
880001-01 DETECTOR LOOP INSTALLATIONS
880008-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

UTILITIES

UTILITY TYPE	COMMON NAME
WATER	CITY OF DEKALB
SEWER	KISHWAUKEE RECLAMATION DISTRICT
ELECTRIC	COMED
TELEPHONE	FRONTIER COMMUNICATIONS
FIBER OPTIC	DATA/DEKALB FIBER OPTIC
GAS	NICOR GAS
CABLE	COMCAST

(CONTRACTOR TO BE RESPONSIBLE FOR ANY ADJUSTMENTS TO BE MADE.)

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ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER: 184003525



HORIZONTAL 20 0 20 40 60 FEET

VERTICAL 5 0 5 10 15 FEET

PLAN & PROFILE

HORIZONTAL 10 0 10 20 30 FEET

VERTICAL 5 0 5 10 15 FEET

CROSS SECTIONS



D x P. 11.30.21

FOR BID

REV. NO.	DESCRIPTION	DATE



BASE BID

DEKALB STREETS 2021 SUMMARY OF QUANTITIES - BASE BID (SECTION 21-00000-00-GM)					1ST STREET	TAYLOR STREET
S.P.	ITEM #	PAY ITEMS	UNIT	QUANTITY	CONSTRUCTION CODES	
				0005	0005	0005
	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	17	8	9
	20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	17	8	9
	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	17	8	9
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	844	360	484
	25000110	SEEDING, CLASS 1A	ACRE	0.2	0.1	0.1
	25100630	EROSION CONTROL BLANKET	SQ YD	844	360	484
	28000500	INLET AND PIPE PROTECTION	EACH	62	41	21
*	35800200	AGGREGATE BASE REPAIR	TON	565	370	195
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	30585	20100	10485
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	3376	3376	0
	40604000	HOT-MIX ASPHALT SURFACE COURSE, IL 9.5FG, MIX "C", N50	TON	508	0	508
	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50	TON	1325	310	1015
	40604052	HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N70	TON	2025	2025	0
*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3900	1900	2000
*	42400800	DETECTABLE WARNINGS	SQ FT	350	150	200
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	11650	0	11650
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	23485	23485	0
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	600	250	350
	44000600	SIDEWALK REMOVAL	SQ FT	3900	1900	2000
	44201683	CLASS D PATCHES, TYPE III, 3 INCH	SQ YD	878	587	291
	60255500	MANHOLES TO BE ADJUSTED	EACH	20	20	0
	60260100	INLETS TO BE ADJUSTED	EACH	16	15	1
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	8	2	6
*	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	600	250	350
	67100100	MOBILIZATION	L SUM	1	0.5	0.5
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	7	7
	70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	200	200	0
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	4000	4000	0
	70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	200	200	0
	78000100	THERMOPLASTIC PAVEMENT MARKINGS - LETTERS AND SYMBOLS	SQ FT	575	320	255
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22365	10765	11600
	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1600	880	720
	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	530	460	70
	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	300	180	120
	88600100	DETECTOR LOOP, TYPE 1	FOOT	480	480	0
*	X0100022	TILL, RESHAPE AND COMPACT ROADBED	SQ YD	3600	3600	0
*	X0326806	WASHOUT BASIN	EACH	1	0.5	0.5
*	X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	21	13	8
*	X6026051	SANITARY MANHOLE TO BE RECONSTRUCTED	EACH	14	10	4
*	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	0.5	0.5

ALTERNATE BID #1

DEKALB STREETS 2021 SUMMARY OF QUANTITIES - ALTERNATE BID #1 (SECTION 21-00000-00-GM)					7TH STREET
S.P.	ITEM #	PAY ITEMS	UNIT	QUANTITY	CONSTRUCTION CODES
				0005	0005
	28000500	INLET AND PIPE PROTECTION	EACH	11	11
*	35800200	AGGREGATE BASE REPAIR	TON	170	170
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4610	4610
	40603085	HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	TON	450	450
	40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	359	359
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	3566	3566
	44201683	CLASS D PATCHES, TYPE III, 3 INCH	SQ YD	178	178
	60235500	MANHOLES TO BE ADJUSTED	EACH	9	9
	60260100	INLETS TO BE ADJUSTED	EACH	5	5
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4
	67100100	MOBILIZATION	L SUM	1	1
	78000100	THERMOPLASTIC PAVEMENT MARKINGS - LETTERS AND SYMBOLS	SQ FT	30	30
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2210	2210
	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	732	732
	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	93	93
	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	210	210
	88600100	DETECTOR LOOP, TYPE 1	FOOT	80	80
*	X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	4	4
*	X6026051	SANITARY MANHOLE TO BE RECONSTRUCTED	EACH	4	4
*	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
*	Z0004005	FIBER ASPHALT	POUND	359	359

ALTERNATE BID #2

DEKALB STREETS 2021 SUMMARY OF QUANTITIES - ALTERNATE BID #2 (SECTION 21-00000-00-GM)					6TH STREET
S.P.	ITEM #	PAY ITEMS	UNIT	QUANTITY	CONSTRUCTION CODES
				0005	0005
	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9
	20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9
	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	484	484
	25000110	SEEDING, CLASS 1A	ACRE	0.1	0.1
	25100630	EROSION CONTROL BLANKET	SQ YD	484	484
	28000500	INLET AND PIPE PROTECTION	EACH	11	11
*	35800200	AGGREGATE BASE REPAIR	TON	170	170
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4626	4626
	40604000	HOT-MIX ASPHALT SURFACE COURSE, IL 9.5FG, MIX "C", N50	TON	222	222
	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50	TON	443	443
*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	800	800
*	42400800	DETECTABLE WARNINGS	SQ FT	170	170
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3141	3141
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	300	300
	44000600	SIDEWALK REMOVAL	SQ FT	800	800
	44201683	CLASS D PATCHES, TYPE III, 3 INCH	SQ YD	125	125
	60255500	MANHOLES TO BE ADJUSTED	EACH	8	8
	60260100	INLETS TO BE ADJUSTED	EACH	1	1
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4
*	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	300	300
	67100100	MOBILIZATION	L SUM	1	1
	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	784	784
	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	150	150
*	X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	2	2
*	X6026051	SANITARY MANHOLE TO BE RECONSTRUCTED	EACH	3	3
*	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
*	Z0004005	FIBER ASPHALT	POUND	443	443

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OWNER/DEVELOPER:
CITY OF DEKALB
200 SOUTH FOURTH STREET
DEKALB, IL 60115

PROJECT AND LOCATION:
DEKALB STREETS 2021
DEKALB, ILLINOIS

DRAWN BY: JMV
APPROVED BY: JTS
DATE: 02/25/2021
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
SUMMARY OF QUANTITIES

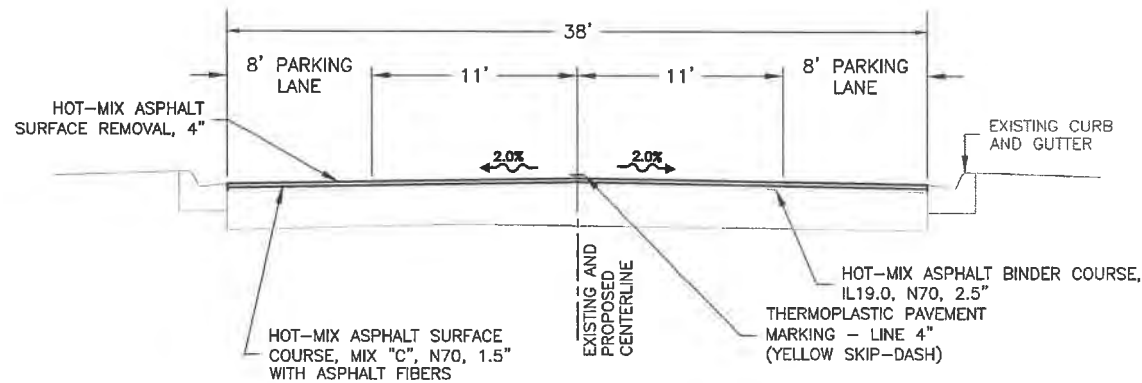
SET TYPE: FOR BID

JOB NUMBER:
21-106

SHEET NUMBER:
2 of 21

1ST STREET
(FROM TAYLOR STREET TO PROSPECT STREET)

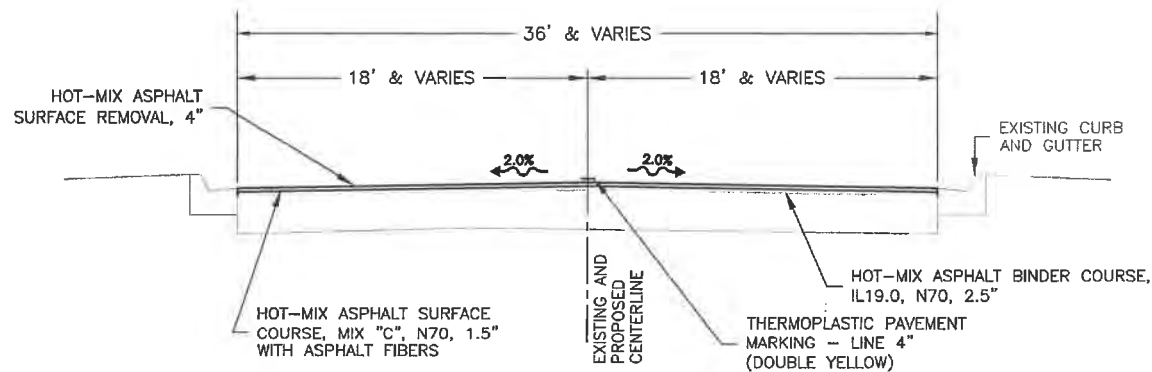
BASE BID



*LONGITUDINAL JOINT SEALANT, 18" BAND TO BE APPLIED TO ALL LONGITUDINAL JOINTS ON 1ST STREET

1ST STREET
(FROM PROSPECT STREET TO LINCOLN HIGHWAY)

BASE BID



21-106 DEKALB STREETS 2021
TYPICAL SECTIONS
1ST STREET
SHEET 3
DEKALB, ILLINOIS

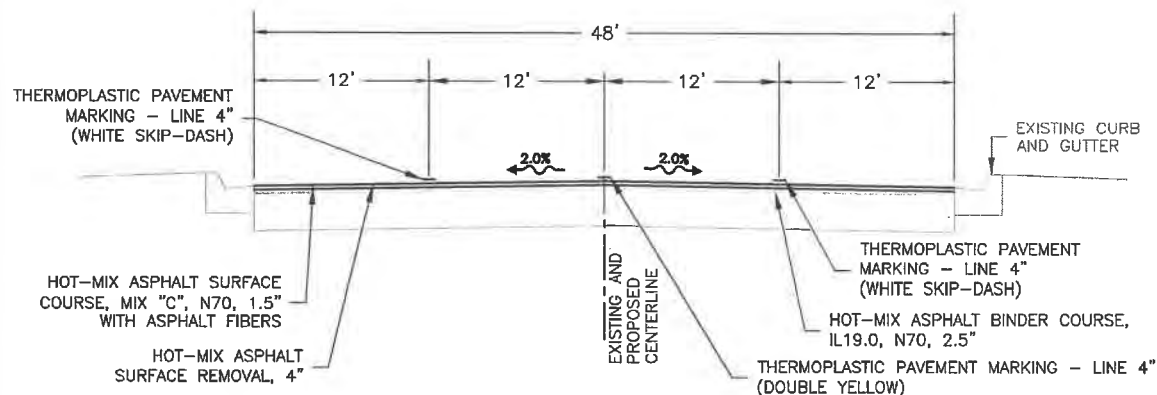
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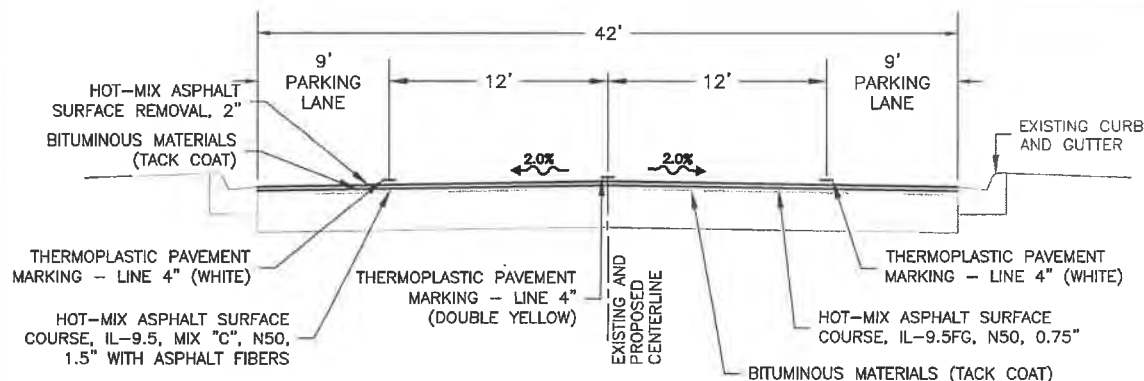
1ST STREET
(FROM LINCOLN HIGHWAY TO AUGUSTA AVE)
BASE BID

*LONGITUDINAL JOINT SEALANT, 18"
BAND TO BE APPLIED TO ALL
LONGITUDINAL JOINTS ON 1ST STREET



TAYLOR STREET
(FROM LION'S PARK ENTRANCE TO 1ST STREET)
BASE BID

CORE NUMBER	LOCATION OF CORE	PAVEMENT THICKNESS (INCHES)
25	STA 1006+70	10" BITUMINOUS
27	STA 1016+60	8" BITUMINOUS



21-106 DEKALB STREETS 2021
TYPICAL SECTIONS
1ST STREET/TAYLOR STREET
SHEET 4
DEKALB, ILLINOIS

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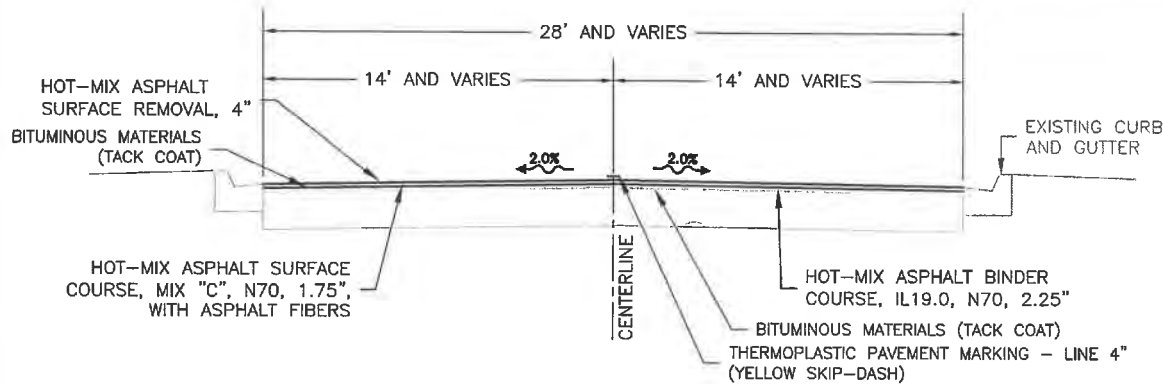
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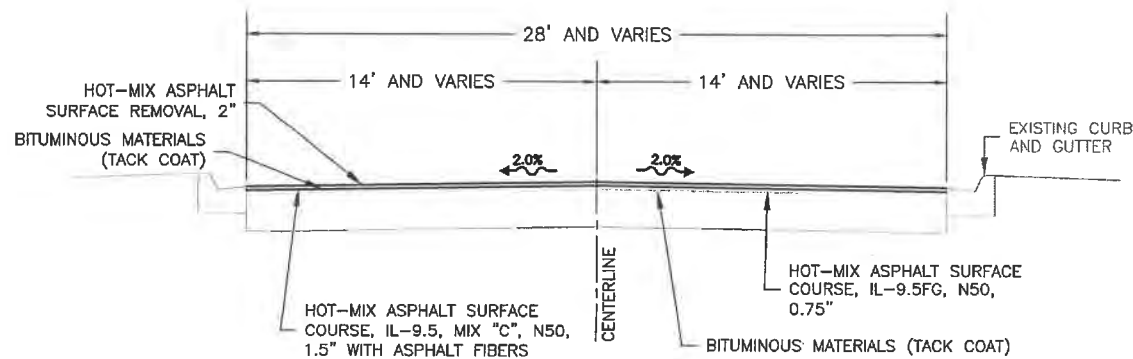
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7TH STREET
(FROM FRANKLIN STREET TO LINCOLN HIGHWAY)
ALTERNATE BID #1

CORE NUMBER	LOCATION OF CORE	PAVEMENT THICKNESS (INCHES)
8	STA 108+25	11" BITUMINOUS



SOUTH 6TH STREET
(FROM EAST ROOSEVELT STREET TO GROVE STREET)
ALTERNATE BID #2



21-106 DEKALB STREETS 2021
TYPICAL SECTIONS
7TH STREET/6TH STREET
SHEET 5
DEKALB, ILLINOIS

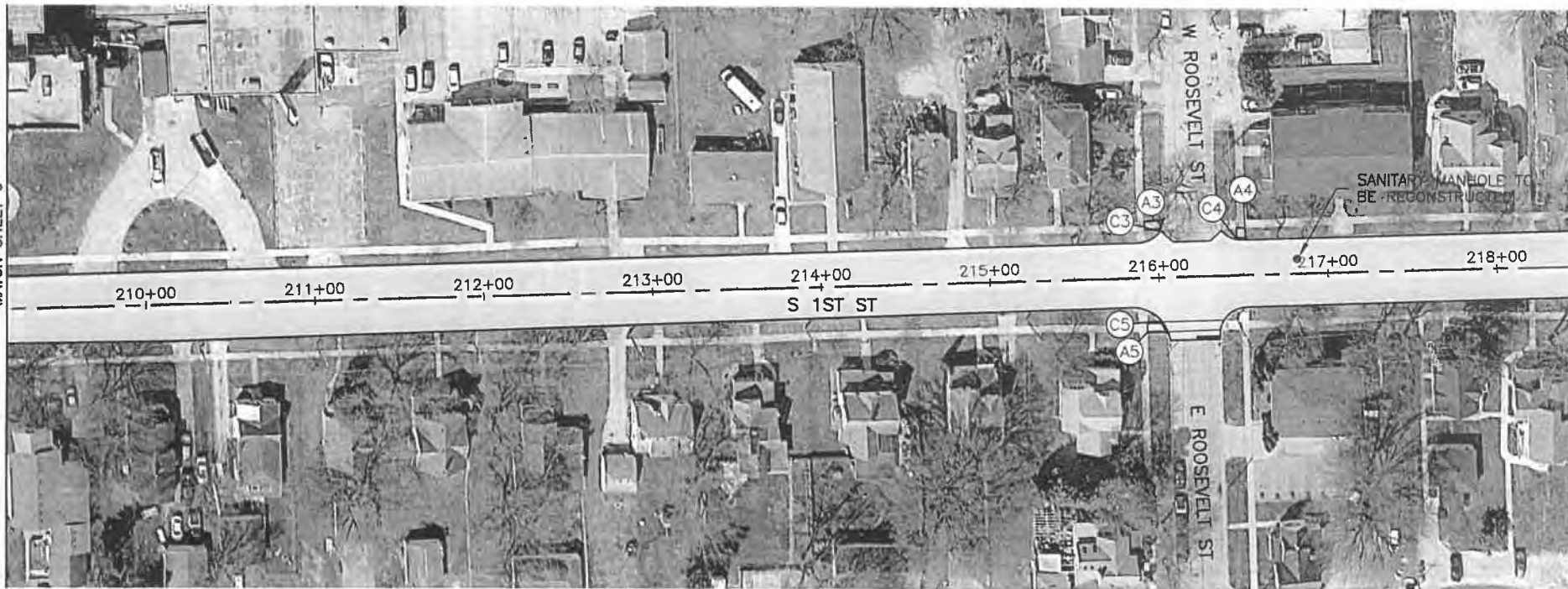
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MATCH SHEET 6



MATCH SHEET 8

LEGEND



MILLING AND OVERLAY AREA



BASE REPAIR AREA



PARKWAY SIDEWALK REMOVAL



ADA COMPLIANT SIDEWALK



CURB REMOVAL AND REPLACEMENT



DRIVEWAY REMOVAL AND REPLACEMENT



SIDEWALK REMOVAL AND REPLACEMENT



BASE REPAIR



60 0 60 FEET

GRAPHIC SCALE IN FEET

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PLT: 02/25/2021

21-106 DEKALB STREETS 2021
BASE BID
SOUTH 1ST STREET
SHEET 7
DEKALB, ILLINOIS

02/25/2021

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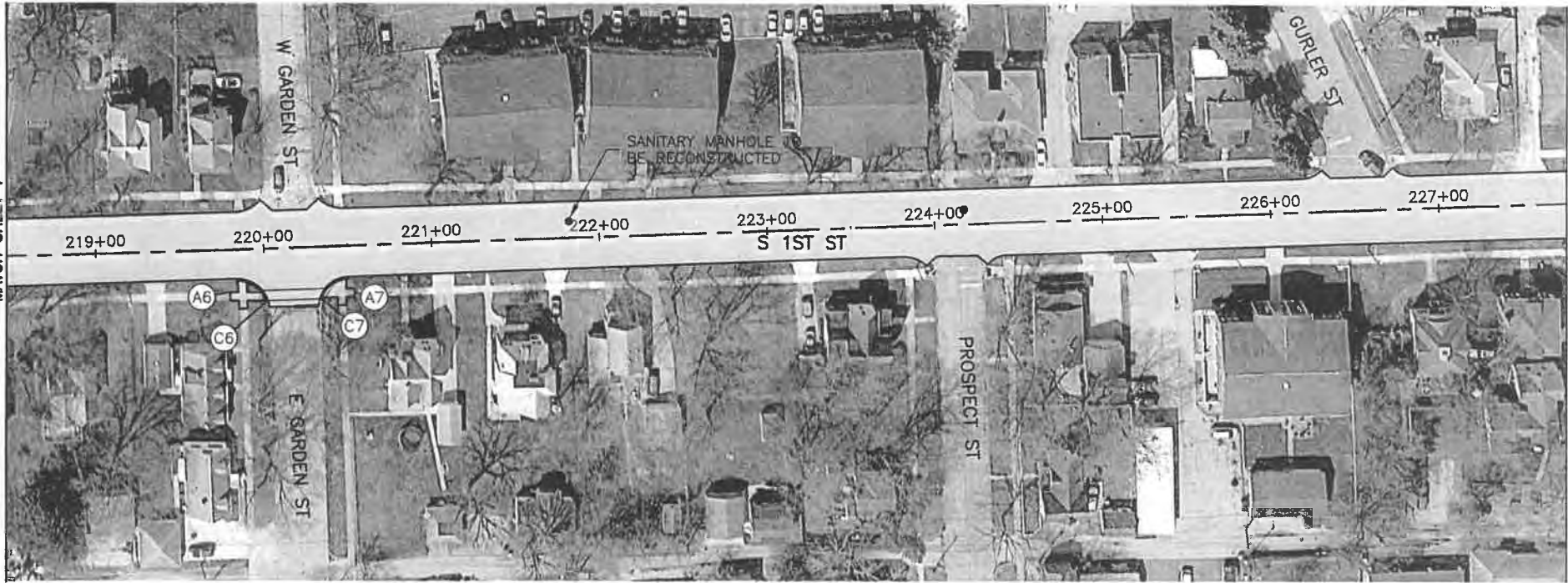
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MATCH SHEET 7

MATCH SHEET 9



LEGEND



MILLING AND OVERLAY AREA



BASE REPAIR AREA



PARKWAY SIDEWALK REMOVAL



ADA COMPLIANT SIDEWALK



CURB REMOVAL AND REPLACEMENT



DRIVEWAY REMOVAL AND REPLACEMENT



SIDEWALK REMOVAL AND REPLACEMENT



BASE REPAIR



60 0 60 FEET
GRAPHIC SCALE IN FEET

21-106 DEKALB STREETS 2021
BASE BID
SOUTH 1ST STREET
SHEET 8
DEKALB, ILLINOIS

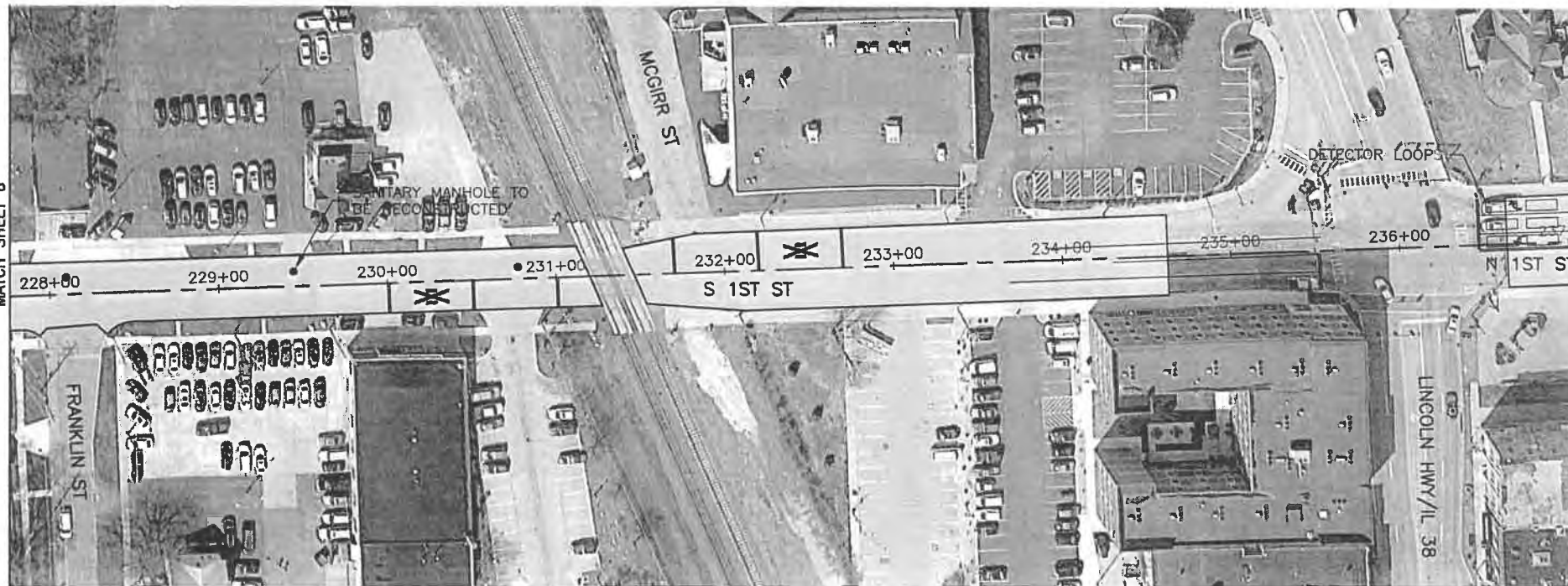
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MATCH SHEET 8



MATCH SHEET 10

LEGEND



MILLING AND OVERLAY AREA



BASE REPAIR AREA



PARKWAY SIDEWALK REMOVAL



ADA COMPLIANT SIDEWALK



CURB REMOVAL AND REPLACEMENT



DRIVEWAY REMOVAL AND REPLACEMENT



SIDEWALK REMOVAL AND REPLACEMENT



BASE REPAIR



60 0 60 FEET

GRAPHIC SCALE IN FEET

21-106 DEKALB STREETS 2021
BASE BID
SOUTH 1ST STREET
SHEET 9
DEKALB, ILLINOIS

02/25/2021

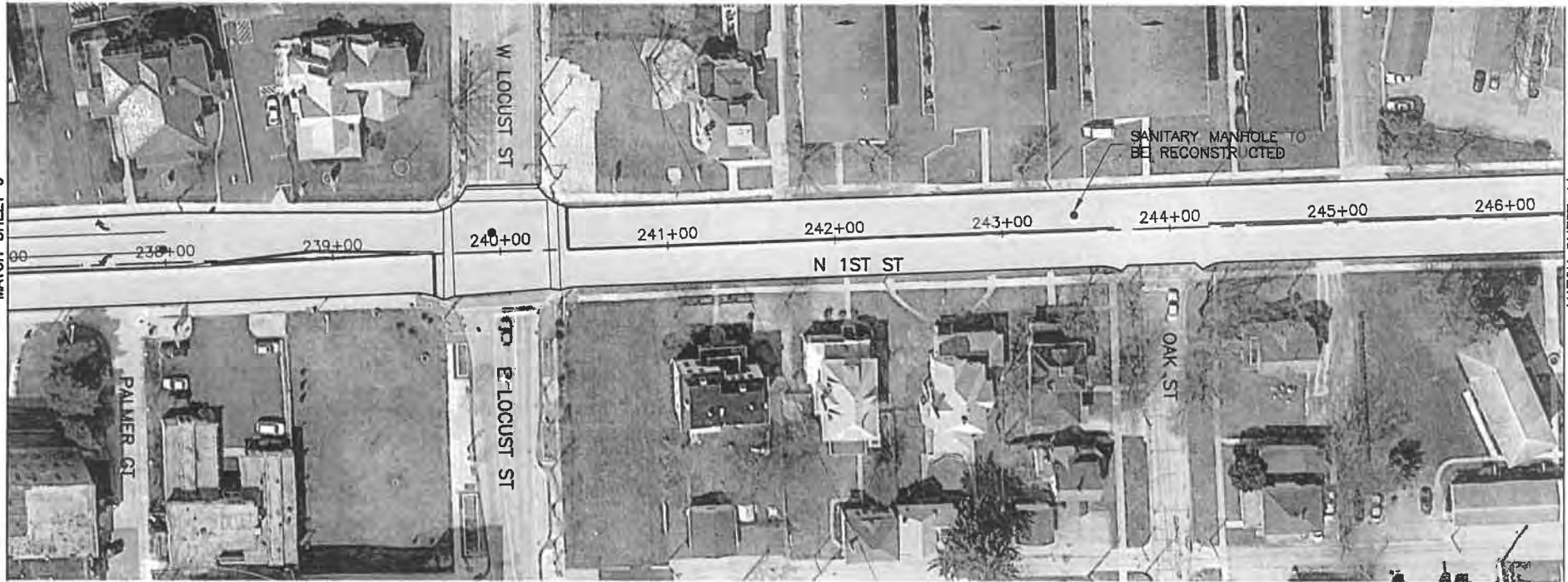
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MATCH SHEET 9

MATCH SHEET 11



LEGEND



MILLING AND OVERLAY AREA

BASE REPAIR AREA

(R#)

PARKWAY SIDEWALK REMOVAL

(A#)

ADA COMPLIANT SIDEWALK

(C#)

CURB REMOVAL AND REPLACEMENT

(D#)

DRIVEWAY REMOVAL AND REPLACEMENT

(SW#)

SIDEWALK REMOVAL AND REPLACEMENT

(P#)

BASE REPAIR



60 0 60 FEET
GRAPHIC SCALE IN FEET

21-106 DEKALB STREETS 2021
BASE BID
NORTH 1ST STREET
SHEET 10
DEKALB, ILLINOIS

02/25/2021

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MATCH SHEET 10



LEGEND



MILLING AND OVERLAY AREA



BASE REPAIR AREA



PARKWAY SIDEWALK REMOVAL



ADA COMPLIANT SIDEWALK



CURB REMOVAL AND REPLACEMENT



DRIVEWAY REMOVAL AND REPLACEMENT



SIDEWALK REMOVAL AND REPLACEMENT



BASE REPAIR



60 0 60 FEET

GRAPHIC SCALE IN FEET

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PLOT DATE: 2/25/21

21-106 DEKALB STREETS 2021
BASE BID
NORTH 1ST STREET
SHEET 11
DEKALB, ILLINOIS

02/25/2021

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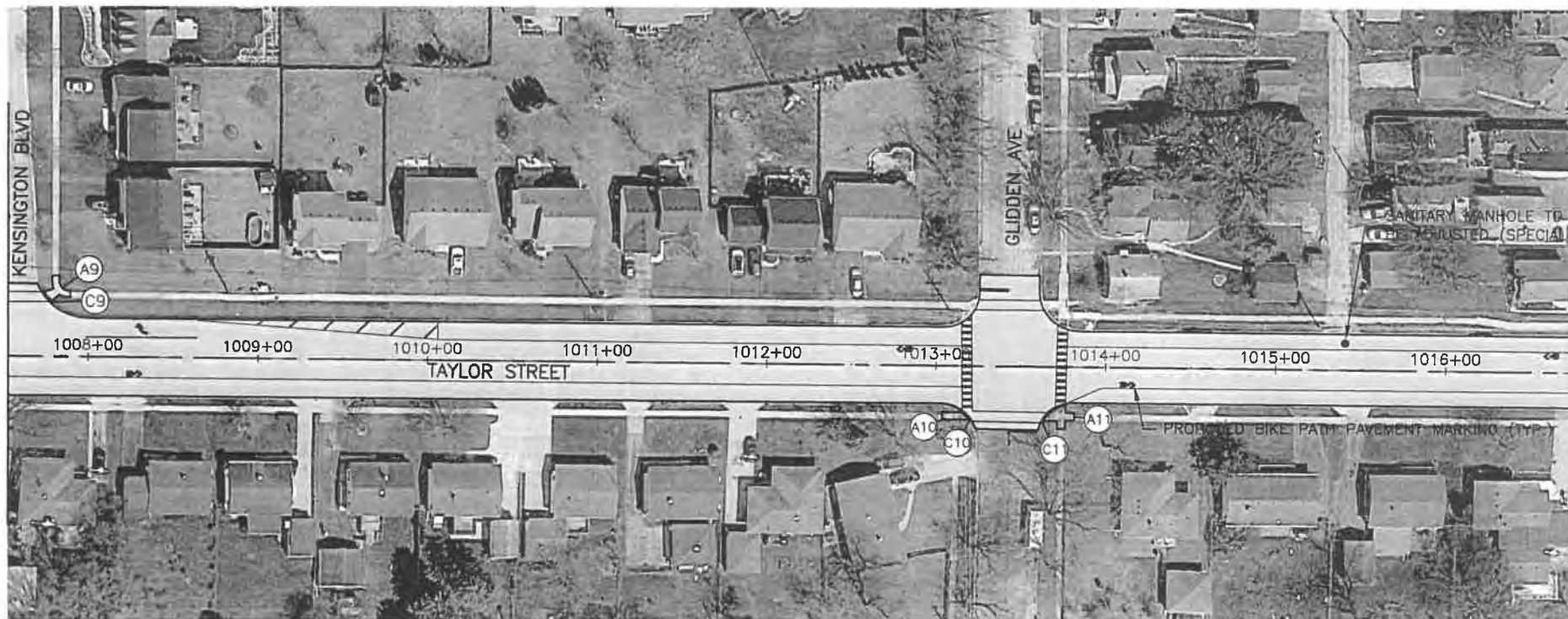
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






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MATCH SHEET 12

MATCH SHEET 14



LEGEND

	MILLING AND OVERLAY AREA
	BASE REPAIR AREA
	PARKWAY SIDEWALK REMOVAL
	ADA COMPLIANT SIDEWALK
	CURB REMOVAL AND REPLACEMENT
	DRIVEWAY REMOVAL AND REPLACEMENT
	SIDEWALK REMOVAL AND REPLACEMENT
	BASE REPAIR



60 0 60 FEET
GRAPHIC SCALE IN FEET

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PLOT DATE: 2/25/21

21-106 DEKALB STREETS 2021
BASE BID
TAYLOR STREET
SHEET 13
DEKALB, ILLINOIS

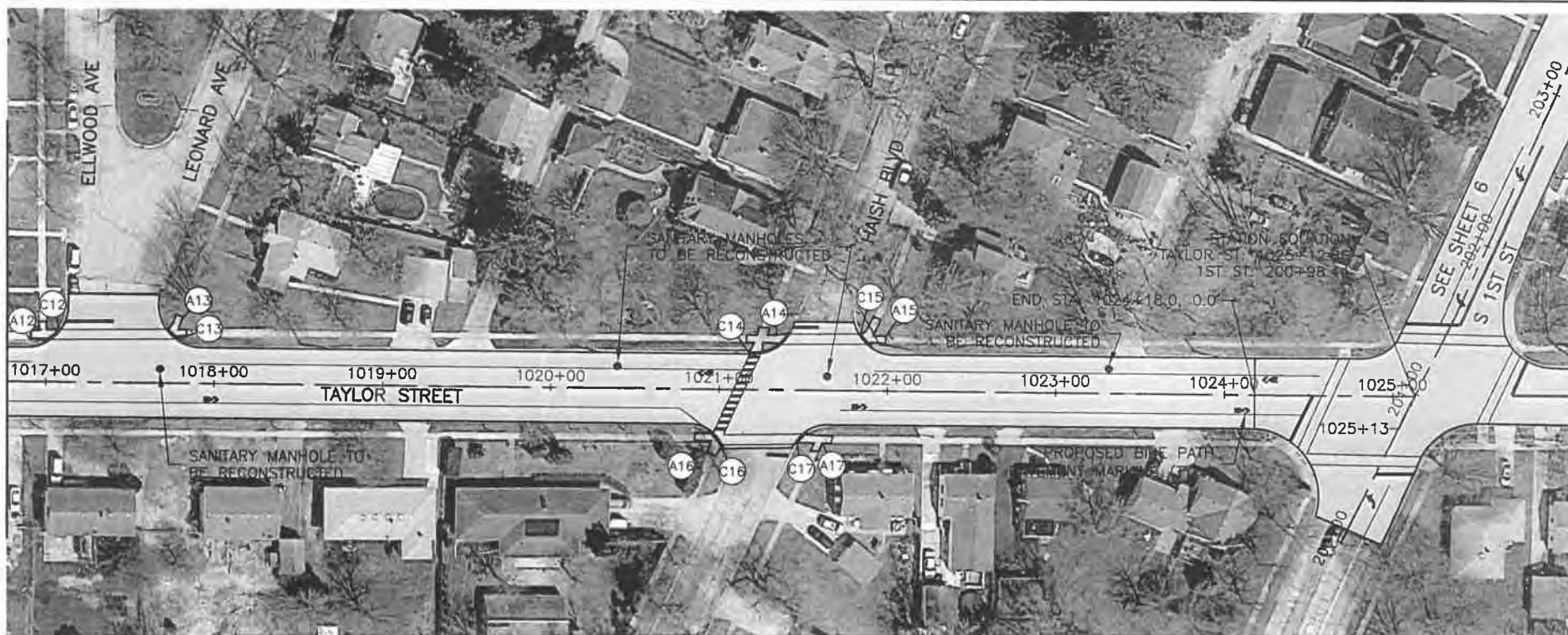
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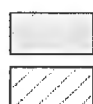
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MATCH SHEET 13



LEGEND



MILLING AND OVERLAY AREA

BASE REPAIR AREA



PARKWAY SIDEWALK REMOVAL



ADA COMPLIANT SIDEWALK



CURB REMOVAL AND REPLACEMENT



DRIVEWAY REMOVAL AND REPLACEMENT



SIDEWALK REMOVAL AND REPLACEMENT



BASE REPAIR



60 0 60 FEET
GRAPHIC SCALE IN FEET

21-106 DEKALB STREETS 2021
BASE BID
TAYLOR STREET
SHEET 14
DEKALB, ILLINOIS

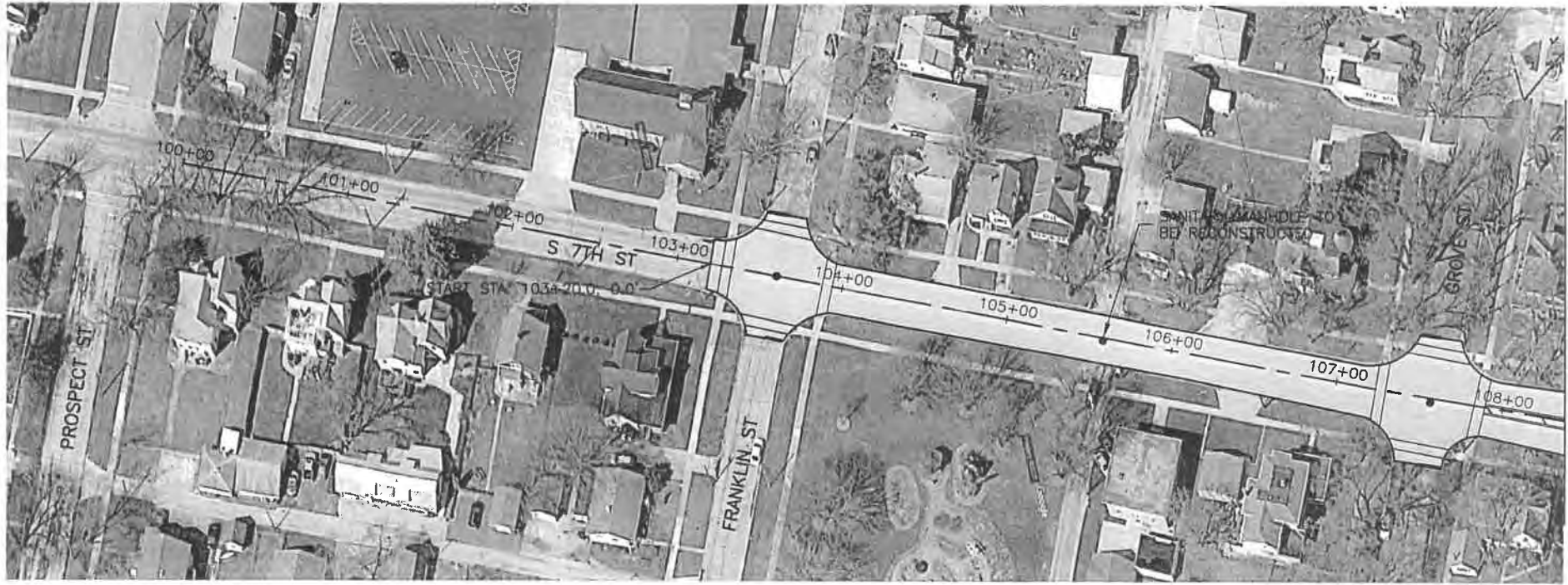
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







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MATCH SHEET 16

LEGEND

- | | |
|---|----------------------------------|
|  | MILLING AND OVERLAY AREA |
|  | BASE REPAIR AREA |
|  | PARKWAY SIDEWALK REMOVAL |
|  | ADA COMPLIANT SIDEWALK |
|  | CURB REMOVAL AND REPLACEMENT |
|  | DRIVEWAY REMOVAL AND REPLACEMENT |
|  | SIDEWALK REMOVAL AND REPLACEMENT |
|  | BASE REPAIR |



60 0 60 FEET
GRAPHIC SCALE IN FEET

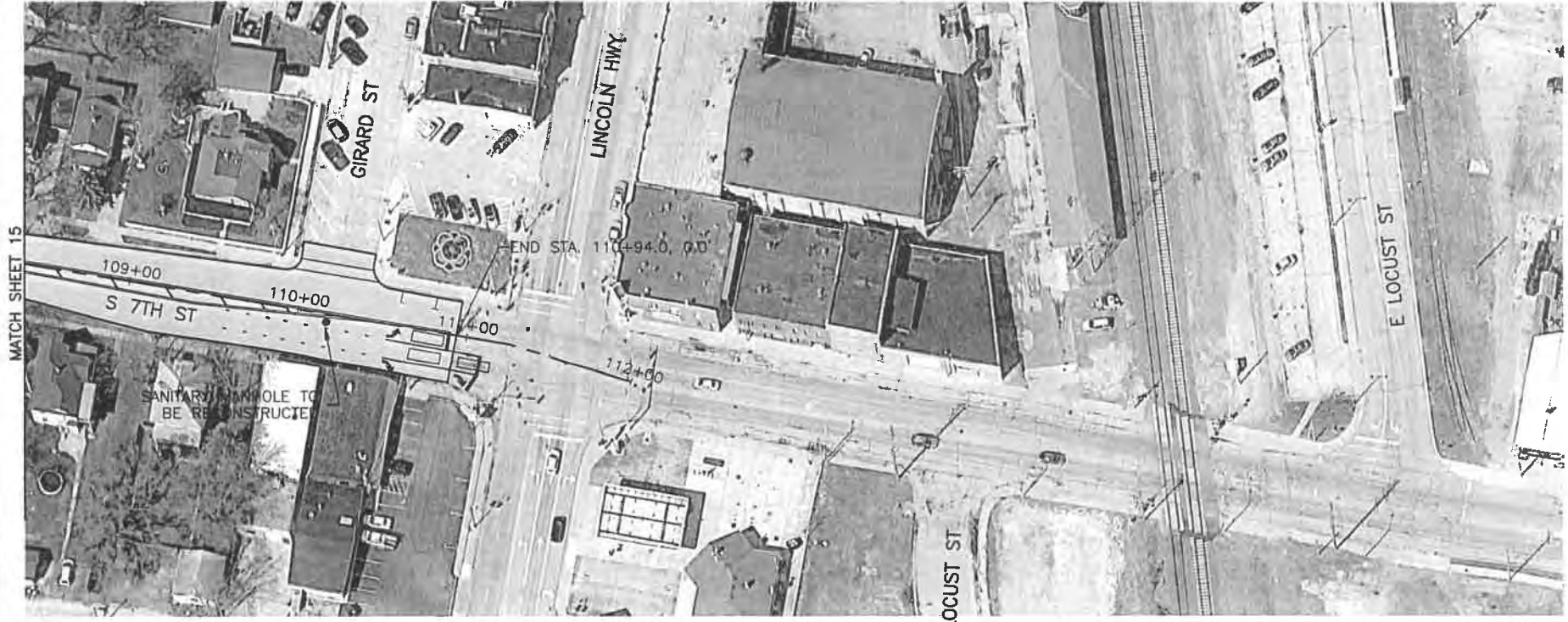
21-106 DEKALB STREETS 2021
ALTERNATE BID #1
SOUTH 7TH STREET
SHEET 15
DEKALB, ILLINOIS

02/25/2021

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LEGEND



MILLING AND OVERLAY AREA



BASE REPAIR AREA



PARKWAY SIDEWALK REMOVAL



ADA COMPLIANT SIDEWALK



CURB REMOVAL AND REPLACEMENT



DRIVEWAY REMOVAL AND REPLACEMENT



SIDEWALK REMOVAL AND REPLACEMENT



BASE REPAIR



60 0 60 FEET
GRAPHIC SCALE IN FEET

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PLOT DATE: 02/25/21

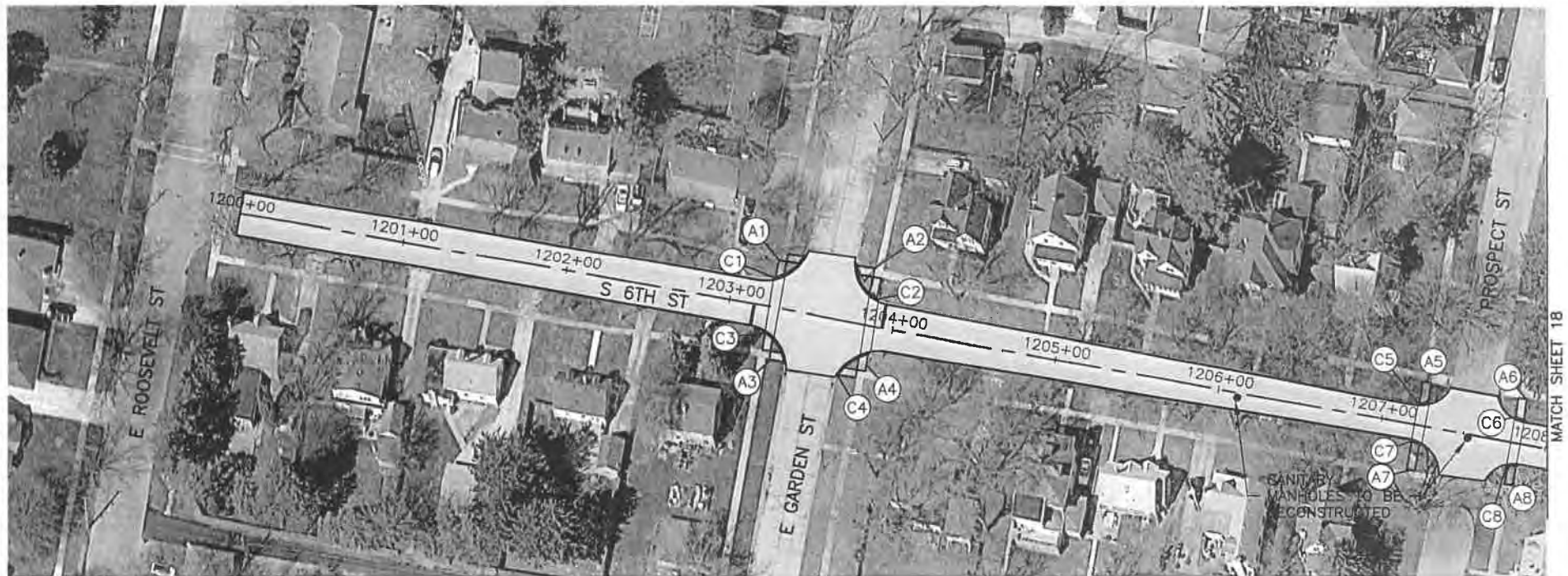
21-106 DEKALB STREETS 2021
ALTERNATE BID #1
SOUTH 7TH STREET
SHEET 16
DEKALB, ILLINOIS

02/25/2021

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LEGEND



MILLING AND OVERLAY AREA



BASE REPAIR AREA



PARKWAY SIDEWALK REMOVAL



ADA COMPLIANT SIDEWALK



CURB REMOVAL AND REPLACEMENT



DRIVEWAY REMOVAL AND REPLACEMENT



SIDEWALK REMOVAL AND REPLACEMENT



BASE REPAIR



60 0 60 FEET
GRAPHIC SCALE IN FEET

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PLOT DATE: 02/25/21

21-106 DEKALB STREETS 2021
ALTERNATE BID #2
SOUTH 6TH STREET
SHEET 17
DEKALB, ILLINOIS

02/25/2021

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 104-002523

ILLINOIS
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LEGEND



MILLING AND OVERLAY AREA



BASE REPAIR AREA



PARKWAY SIDEWALK REMOVAL



ADA COMPLIANT SIDEWALK



CURB REMOVAL AND REPLACEMENT



DRIVEWAY REMOVAL AND REPLACEMENT



SIDEWALK REMOVAL AND REPLACEMENT



BASE REPAIR



60 0 60 FEET
GRAPHIC SCALE IN FEET

C:\CSD\21\21-106\Exhibit\21-106 - DEKALB STREETS 2021 EXHIBIT.dwg, 6TH ST 2
PLT DATE: 2/25/21

21-106 DEKALB STREETS 2021
ALTERNATE BID #2
SOUTH 6TH STREET
SHEET 18
DEKALB, ILLINOIS

02/25/2021

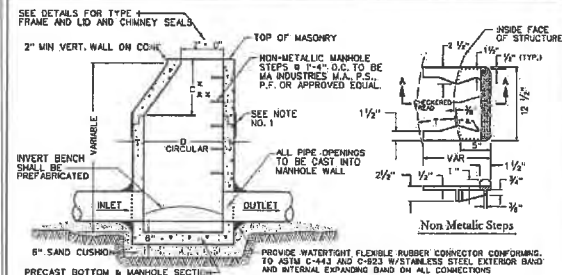
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ILLINOIS DESIGN FIRM NO. 184-003025

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MATERIALS FOR WALLS	D	C	T
PRECAST REINFORCED CONCRETE SECTIONS	4' - 0"	2' - 6"	4"
	5' - 0"	3' - 9"	5"
CAST-IN-PLACE	4' - 0"	2' - 6"	6"
	5' - 0"	3' - 9"	6"



NOTE A: REINFORCED CONCRETE TOP DESIGNED FOR ANTICIPATED LOADS (SEE PLANS FOR SPECIAL PROVISIONS).
1. 8" THICKNESS 3/8" DIA.
2. 8" THICKNESS 3/4" DIA.

DETAIL OF MANHOLE TOP TO BE USED WHERE RESTRICTED HEAD ROOM WILL NOT PERMIT CONE SECTION

* DIMENSION "C" - FOR PRECAST REINFORCED CONCRETE SECTIONS MAY VARY FROM THE DIMENSION GIVEN TO PLUS 8 INCHES.

* * FOR AN OPTIONAL PRECAST CONCRETE FLAT SLAB TOP - SEE I.D.C.T. STD. 602801.

- NOTES:
1. PROVIDE MANHOLE ENCAPSULATION SYSTEM (WATERPROOF MEMBRANE) ON ALL MANHOLE JOINTS. TYPICAL ALL MANHOLES (BAG WRAP OR APPROVED EQUAL).
 2. ALL SECTIONS SHALL BE CONNECTED WITH TONGUE AND GROOV JOINTS W/BUTYL ROPE, DOUBLE MASTIC ALL MANHOLE JOINTS.
 3. ALL MANHOLE SECTIONS SHALL BE SEALED WITH BUTYL ROPE JOINT MATERIAL. CASTINGS AND ADJUSTING RINGS SHALL BE SEALED USING TROWELABLE MASTIC TO MINIMIZE SETTLING. ENTIRE EXTERIOR OF MANHOLE TO BE FACTORY COATED WITH COAT'S BITUMASTIC COATING, CONCREAL COSE OR APPROVED EQUI.
 4. STEPS SHALL BE EMBEDDED INTO WALL A MINIMUM OF 3 INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE OF THE STRUCTURE. ALL STEPS SHALL BE POLYPROPYLENE COATED STEEL REINFORCED FLOORS.
 5. MANHOLE FRAME AND LID SHALL BE NEEDHAM R-1015-2000 OR EAST JORDAN IRON WORKS 1050 SD WITH SELF SEALING LID AND CONCEALED PICKHOLES. ALL LIDS SHALL HAVE THE WORD "SANITARY" CAST INTO IT.
 6. IN ADDITION TO THE REQUIREMENTS OF ART. 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A SHALL INCLUDE THE REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, AND FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL. ALL MANHOLE COSTS SHALL CONFORM TO ASTM C478 LATEST REVISION & CONCERNING CONES WILL NOT BE ALLOWED.
 7. FOR NEW CONNECTIONS TO EXISTING MANHOLES, CORE DRILL OPENING & INSTALL WATERBURY PIPE TO MANHOLE SEAL WITH LINK SEAL OR APPROVED EQUAL.
 8. ADJUSTING RINGS MAY NOT EXCEED 12 INCHES (1.0 FT).

DeKalb Sanitary District

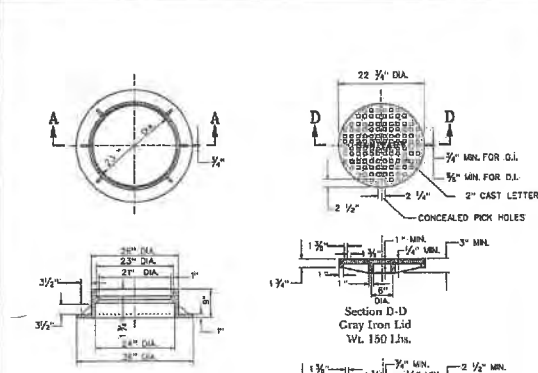
305 Hollister Avenue • DeKalb, Illinois 60115
815.758.3515 Fax: 815.758.0615

DETAIL No. 19

DATE: 06/12/07

Sanitary Manhole Type A

REV: 1



Section A-A
Cast Frame - Gray Iron
Wt. 990 Lbs.

Section D-D
Ductile Iron Lid
Wt. 115 Lbs.
Cast Closed Lid

1. DUCTILE IRON CASTING SHALL BE GRADE 50-40-18 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
2. ALL LIDS AND COVERS SHALL BE MACHINED.
3. MANHOLE COVERS SHALL HAVE 2" CAST LETTERS THAT SAY "SANITARY".
4. AS AN ALTERNATE TO DUCTILE IRON LID, GRAY IRON MAY BE USED.
5. MINIMUM WEIGHTS FOR THE CASTING AS SHOWN.
6. DIMENSIONS FOR CASTINGS ARE COMPARABLE TO EAST JORDAN *1050 SD or NEEDHAM *R-1015-2000.

DeKalb Sanitary District

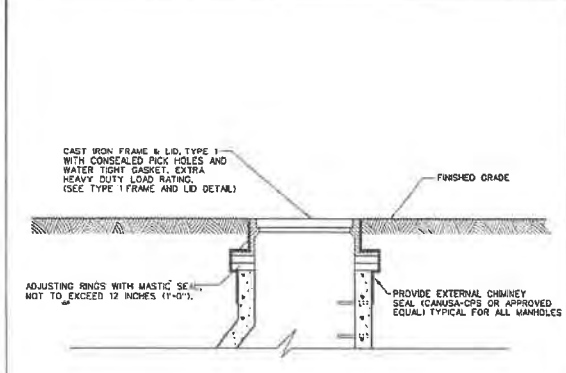
305 Hollister Avenue • DeKalb, Illinois 60115
815.758.3515 Fax: 815.758.0615

DETAIL No. 17

DATE: 06/12/07

Frame and Lid Detail

REV: 1



NOTE: THE FRAME SHALL BE SLOPED WHEN REQUIRED TO MATCH THE FINISH GRADE, THROUGH THE USE OF ADJUSTING RINGS AND MORTAR.

DeKalb Sanitary District

305 Hollister Avenue • DeKalb, Illinois 60115
815.758.3515 Fax: 815.758.0615

DETAIL No. 18

DATE: 06/12/07

Flexible Watertight Frame
Chimney Seal Detail

REV: 1

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ILLINOIS
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ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF DEKALB
200 SOUTH FOURTH STREET
DEKALB, IL 60115

PROJECT AND LOCATION:
DEKALB STREETS 2021
DEKALB, ILLINOIS

DRAWN BY: JMV
APPROVED BY: JTS
DATE: 02/25/2021
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING
DETAILS

SET TYPE: FOR BID

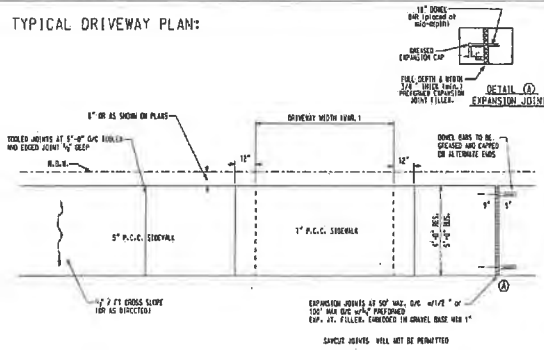
EXCISE/STREET-DEKALB-17-105 - DEKALB STREETS 2021 CURBET - FROM 10% DETAILS 1

JOB NUMBER:
21-106

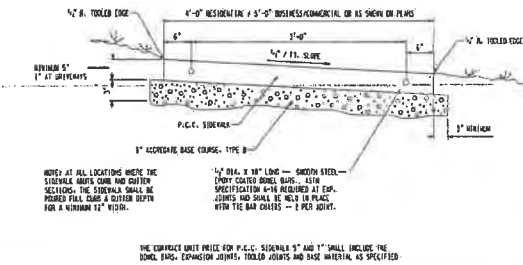
SHEET NUMBER:
19 of 21

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TYPICAL DRIVEWAY PLAN:



TYPICAL SECTION SIDEWALK DETAILS:

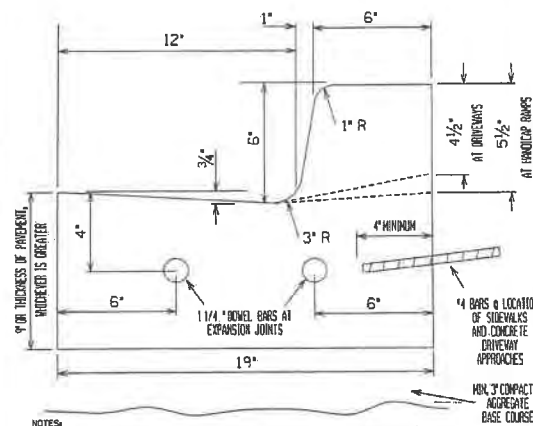


STANDARD DETAIL
FOR
P.C.C. SIDEWALK, 5" & 7"

REVISIONS
02/07/10 JGV

CITY OF DEKALB
STREET STANDARD
ST-105

SAME AS STATE STD. 606001 FOR DOWEL BAR



- NOTES:
- 1) IF BUTYLADHESIVE PREFORMED EXPANSION JOINT FILLER, CONFORMING TO AASHTO STANDARD M 213, CUT TO THE SHAPE OF THE COMBINATION CURB AND GUTTER SHALL BE PLACED AT 10' INTERVALS, AT ALL P.C. AND P.S. POINTS AND AT 5' BOTH SIDES OF ANY STRUCTURE IN THE CURB LINE, SAVED CONTRACTION JOINTS. 2" DEEP ARE TO BE PLACED AT 25' INTERVALS BETWEEN EXPANSION JOINTS. ALL EXPANSION AND CONTRACTION JOINTS ARE TO BE FILLED WITH JOINT SEALER CONFORMING TO SECTION 105.02 OF THE STANDARD SPECIFICATIONS.
 - 2) TWO 1-1/4" EPOXY COATED DOWEL BARS, 18" LONG WITH A PINCHED STOP THAT WILL PROVIDE 1" EXPANSION, SHALL BE PLACED THROUGH EACH EXPANSION JOINT.
 - 3) AT LOCATIONS OF CURB AND GUTTER PATCHING, BOTH FRONT AND BACK FORMS ARE TO BE USED, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.
 - 4) TEMPORARY HOT MIX ASPHALT PATCHING SHALL BE PLACED IN FRONT OF AND AHEAD OF ALL CURB AND GUTTER AT DRIVEWAYS, SIDEWALKS, AND LOCATIONS WITH HIGH PEDESTRIAN TRAFFIC SPECIFIED BY THE ENGINEER.
 - 5) 2 LENGTHS OF CONTINUOUS 4" REBARS SHALL BE PLACED THROUGH ALLEY AND COMMERCIAL DRIVE ENTRANCES OR AS DIRECTED BY THE ENGINEER.

STANDARD DETAIL FOR
P.C.C. COMBINATION CONCRETE CURB
AND GUTTER, 8-6.12

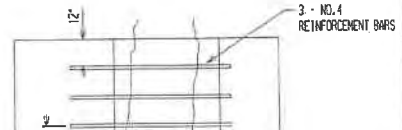
REVISIONS
RBR 7/11/08

CITY OF DEKALB
STREET
STANDARD
ST-100

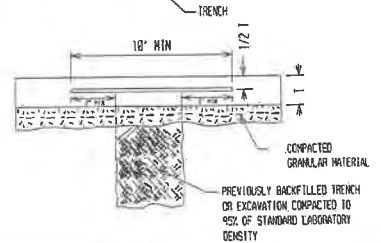
TYPICAL PLACEMENT IN CURB & GUTTER SECTION



TYPICAL PLACEMENT IN SIDEWALK SECTION



TYPICAL BAR LENGTH REQUIREMENTS OVER TRENCH



STANDARD DETAIL FOR
REINFORCING CURB & GUTTER OR
SIDEWALK INSTALLED OVER A TRENCH

REVISIONS
R1/03/01 CEV

CITY OF DEKALB
STREET STANDARD
ST-103

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ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF DEKALB
200 SOUTH FOURTH STREET
DEKALB, IL 60115

PROJECT AND LOCATION:
DEKALB STREETS 2021
DEKALB, ILLINOIS

DRAWN BY: JMV
APPROVED BY: JTS
DATE: 02/25/2011
SCALE: AS NOTED

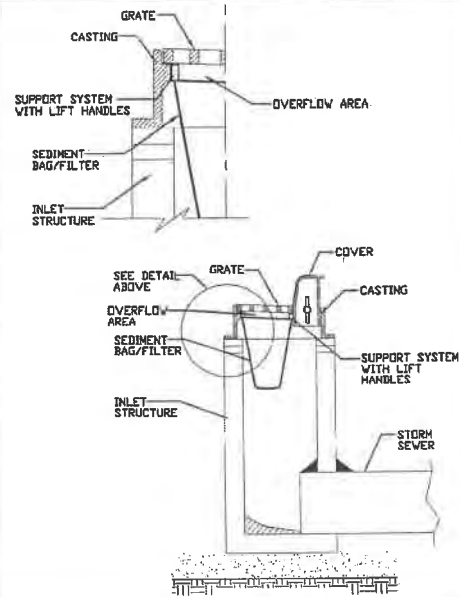
REV. NO.	DESCRIPTION	DATE

DRAWING:
DETAILS

SET TYPE: FOR BID

21-106-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-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INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

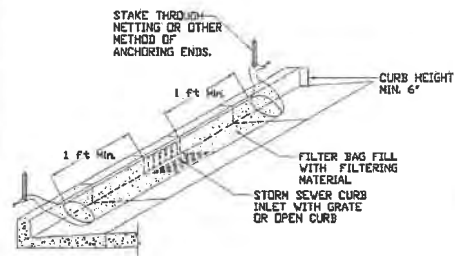


REFERENCE
Project _____ Date _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



STANDARD DWG. NO.
RM-561D
SHEET 1 OF 1
DATE 01-10-11

INLET PROTECTION - PAVED AREAS CURB PROTECTION



REFERENCE
Project _____ Date _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



STANDARD DWG. NO.
RM-561C
SHEET 1 OF 1
DATE 01-11-11

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF DEKALB
200 SOUTH FOURTH STREET
DEKALB, IL 60115

PROJECT AND LOCATION:
DEKALB STREETS 2021
DEKALB, ILLINOIS

DRAWN BY: JMV
APPROVED BY: JTS
DATE: 02/25/2021
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
DETAILS

SET TYPE: FOR BID
C:\CADD\2021-DEKALB\21-106 - DEKALB STREETS 2021 CURB - PAVING.DWG, DEKALB 3

JOB NUMBER:
21-106

SHEET NUMBER:
21 of 21

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
DeKalb	DeKalb	21-00000-00-GM	DeKalb Streets 2021

SIGNATURES

(If an individual)

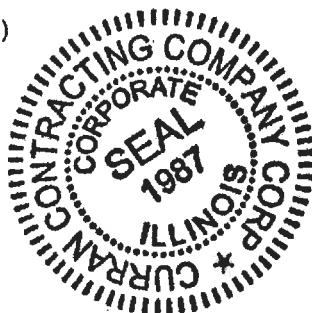
Signature of Bidder		Date
Business Address		
City	State	Zip Code


(If a partnership)

Firm Name		
Signature		Date
Title		
Business Address		
City	State	Zip Code

Insert the Names and Addresses of all Partners

(If a corporation)



Corporate Name	
Curran Contracting Company	
Signature	Date
	3/10/2021
Title	
Michael Pachla, Vice President	

Business Address

286 Memorial Court

City

State

Zip Code

Crystal Lake

IL

60014

Insert Names of Officers

President

Rick Noe

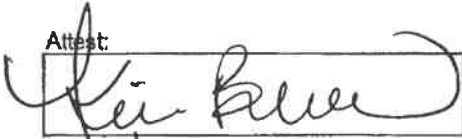
Secretary

Catherine C. Curran

Treasurer

Todd Gierke

Attest:


Secretary



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
3/29/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The Horton Group 10320 Orland Parkway Orland Park IL 60467		CONTACT NAME: Certificates Team	
		PHONE (A/C, No, Ext): 708-845-3917	FAX (A/C, No): 708-845-3001
		E-MAIL ADDRESS: constructioncerts@thehortongroup.com	
		INSURER(S) AFFORDING COVERAGE	NAIC #
INSURED Curran Contracting Company 286 Memorial Court Crystal Lake IL 60014		INSURER A: Berkley Assurance Company	39462
		INSURER B: Arch Insurance Company	11150
		INSURER C: The Travelers Property Casualty Insurance Company	25674
		INSURER D: National Fire & Marine Insurance Company	20079
		INSURER E:	
		INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 1328983467 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC	Y	Y	41PKG89536	10/1/2020	10/1/2021	EACH OCCURRENCE \$ 5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 5,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 5,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	Y	Y	41PKG89536	10/1/2020	10/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
D	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 25,000	Y	Y	42-UMO-308949-02	10/1/2020	10/1/2021	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
B B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	Y N/A	41WCI89534 - AOS 44WCI89535 - CA, DC, IL, IN, KY, MD, MN MO, OR, TX	10/1/2020 10/1/2020	10/1/2021 10/1/2021	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C A	Leased & Rented Equipment Pollution/Professional			QT6600P879384 PCAB-5012823-1020	10/1/2020 10/1/2020	10/1/2021 10/1/2021	Limit 500,000 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The coverage and limits conform to the minimums required by Article 107.27 of the Standard Specifications for Road and Bridge Construction. Additional insured on a primary non contributory basis with respect to general liability and auto liability only when required by written contract. Waiver of subrogation in favor of the additional insureds will apply to general liability, auto liability and workers compensation where permitted by law and only when required by written contract. Excess follows form.

RE: DeKalb Streets 2021, Section 21-00000-00-GM, 06-21-0024
 Additional Insured:
 City of DeKalb
 Fehr Graham

CERTIFICATE HOLDER

CANCELLATION

City of DeKalb
 1216 Market Street
 DeKalb, IL 60115

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
ALL PARTIES WHERE REQUIRED BY A WRITTEN CONTRACT EXCEPT FOR ANY RAILROAD.	
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance**:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations; whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
ALL PARTIES WHERE REQUIRED BY A WRITTEN CONTRACT EXCEPT FOR ANY RAILROAD.	
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**PRIMARY AND NONCONTRIBUTORY –
OTHER INSURANCE CONDITION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization:
All parties where required by written contract
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph **8. Transfer Of Rights Of Recovery Against Others To Us** of **Section IV – Conditions**:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Designated Construction Project(s):

Applies to all construction projects of the insured unless otherwise excluded

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

- A.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section I – Coverage **A**, and for all medical expenses caused by accidents under Section I – Coverage **C**, which can be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:
1. A separate Designated Construction Project General Aggregate Limit applies to each designated construction project, and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
 2. The Designated Construction Project General Aggregate Limit is the most we will pay for the sum of all damages under Coverage **A**, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under Coverage **C** regardless of the number of:
 - a. Insureds;
 - b. Claims made or "suits" brought; or
 - c. Persons or organizations making claims or bringing "suits".
 3. Any payments made under Coverage **A** for damages or under Coverage **C** for medical expenses shall reduce the Designated Construction Project General Aggregate Limit for that designated construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Construction Project General Aggregate Limit for any other designated construction project shown in the Schedule above.
 4. The limits shown in the Declarations for Each Occurrence, Damage To Premises Rented To You and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Construction Project General Aggregate Limit.

- B.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section **I** – Coverage **A**, and for all medical expenses caused by accidents under Section **I** – Coverage **C**, which cannot be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:
- 1.** Any payments made under Coverage **A** for damages or under Coverage **C** for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-completed Operations Aggregate Limit, whichever is applicable; and
 - 2.** Such payments shall not reduce any Designated Construction Project General Aggregate Limit.
- C.** When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Construction Project General Aggregate Limit.
- D.** If the applicable designated construction project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the project will still be deemed to be the same construction project.
- E.** The provisions of Section **III** – Limits Of Insurance not otherwise modified by this endorsement shall continue to apply as stipulated.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CONTRACTUAL LIABILITY – RAILROADS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Scheduled Railroad:	Designated Job Site:
Railroads where required by written contract	Locations where required by written contract

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

With respect to operations performed for, or affecting, a Scheduled Railroad at a Designated Job Site, the definition of "insured contract" in the Definitions section is replaced by the following:

9. "Insured Contract" means:

- a.** A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for damage by fire to premises while rented to you or temporarily occupied by you with permission of the owner is not an "insured contract";
- b.** A sidetrack agreement;
- c.** Any easement or license agreement;
- d.** An obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality;
- e.** An elevator maintenance agreement;
- f.** That part of any other contract or agreement pertaining to your business (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another party to pay for "bodily injury" or "property damage" to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

Paragraph **f.** does not include that part of any contract or agreement:

- (1)** That indemnifies an architect, engineer or surveyor for injury or damage arising out of:
 - (a)** Preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
 - (b)** Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage;
- (2)** Under which the insured, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in Paragraph **(1)** above and supervisory, inspection, architectural or engineering activities.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED ONGOING OPERATIONS, OTHER INSURANCE, AND DUTY TO DEFEND AMENDMENT – SCHEDULED RAILROAD

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Scheduled Railroad:	Designated Job Site:
ALL RAILROADS WHERE REQUIRED BY A WRITTEN CONTRACT EXCEPT RAILROADS INCLUDED UNDER A SEPARATE ADDITIONAL INSURED ENDORSEMENT ISSUED TO A SPECIFIC ENTITY.	ANY LOCATION AS PER WRITTEN CONTRACT

A. Section II – Who Is An Insured is amended to include as an additional insured the Scheduled Railroad shown in the Schedule above, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the Designated Job Site shown in the Schedule above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to this additional insured, the following additional exclusions apply:

1. This insurance does not apply to "bodily injury" or "property damage" occurring after:
 - a. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
 - b. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to this additional insured, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
 2. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

- D. This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of or failure to render any professional services by you or any engineer, architect, or surveyor who is either employed by you or performing work on your behalf in such capacity.

Professional services include:

- a. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
- b. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured. If the "occurrence" which caused the "bodily injury" or "property damage" or the offense which caused the "personal and advertising injury", involved the rendering of or failure to render any professional services by you or any engineer, architect or surveyor who is either employed by you or performing work on your behalf in such capacity.

- E. With respect to insurance afforded to this additional insured, the following is added to **b. (1) (a)** of Paragraph 4. **Other Insurance of Section IV – Commercial General Liability Conditions:**

This insurance is excess over any other insurance, whether primary, excess, contingent or on any other basis that is available to the additional insured shown in the Schedule above. However,

1. This insurance is primary to and will not seek contribution from any other insurance available to an additional insured, other than a Railroad Protective Liability policy, under your policy provided that:
 - (a) The additional insured is a Named Insured under such other insurance; and
 - (b) You have agreed in writing in a contract or agreement prior to the "occurrence" or "offense" that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured; or
2. If the other insurance is a Railroad Protective Liability policy, this insurance is excess unless there is a written denial of coverage issued under that Railroad Protective Liability Policy.

- F. With respect to insurance afforded to this additional insured, the following is added to Paragraph 2. **Duties In the Event of Occurrence, Offense, Claim or Suit of Section IV – Commercial General Liability Conditions:**

Any additional insured shown in the Schedule above will:

1. Immediately record the specifics of the claim or "suit" and the date received; notify us, and see to it that we receive written notice of the claim or "suit" as soon as practicable; and
2. Notify us of other insurance available to the additional insured

All other terms and conditions of this Policy remain unchanged.

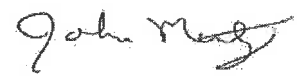
Issued By: ARCH INSURANCE COMPANY

Endorsement Number:

Policy Number: 41PKG89536

Named Insured: CURRAN GROUP, INC.

Endorsement Effective Date: 10/1/2020


President

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED COMPLETED OPERATIONS, OTHER INSURANCE, AND
DUTY TO DEFEND AMENDMENT – SCHEDULED RAILROAD**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Scheduled Railroad:	Designated Job Site:
ALL RAILROADS WHERE REQUIRED BY A WRITTEN CONTRACT EXCEPT RAILROADS INCLUDED UNDER A SEPARATE ADDITIONAL INSURED ENDORSEMENT ISSUED TO A SPECIFIC ENTITY.	ANY LOCATION PER WRITTEN CONTRACT.

A. Section II – Who Is An Insured is amended to include as an additional insured Scheduled Railroad shown in the Schedule above, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the Designated Job Site described in the Schedule above performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to this additional insured, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
 2. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

C. This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of or failure to render any professional services by you or any engineer, architect, or surveyor who is either employed by you or performing work on your behalf in such capacity.

Professional services include:

- a. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
- b. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured. If the "occurrence" which caused the "bodily injury" or "property damage" or the offense which caused the "personal and advertising injury", involved the rendering of or failure to render any professional services by you or any engineer, architect or surveyor who is either employed by you or performing work on your behalf in such capacity.

D. With respect to insurance afforded to this additional insured, the following is added to b. (1) (a) of Paragraph 4. Other Insurance of Section IV – Commercial General Liability Conditions:

This insurance is excess over any other insurance, whether primary, excess, contingent or on any other basis that is available to the additional insured shown in the Schedule above. However,

1. This insurance is primary to and will not seek contribution from any other insurance available to an additional insured, other than a Railroad Protective Liability policy, under your policy provided that:
 - (a) The additional insured is a Named Insured under such other insurance; and
 - (b) You have agreed in writing in a contract or agreement prior to the "occurrence" or "offense" that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured; or
2. If the other insurance is a Railroad Protective Liability policy, this insurance is excess unless there is a written denial of coverage issued under that Railroad Protective Liability Policy.

E. With respect to insurance afforded to this additional insured, the following is added to Paragraph 2. Duties In the Event of Occurrence, Offense, Claim or Suit of Section IV – Commercial General Liability Conditions:

Any additional insured shown in the Schedule above will:

1. Immediately record the specifics of the claim or "suit" and the date received; notify us, and see to it that we receive written notice of the claim or "suit" as soon as practicable; and
2. Notify us of other insurance available to the additional insured

All other terms and conditions of this Policy remain unchanged.

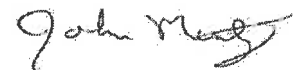
Issued By: ARCH INSURANCE COMPANY

Endorsement Number:

Policy Number: 41PKG89536

Named Insured: CURRAN GROUP, INC.

Endorsement Effective Date: 10/1/2020


President

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - BLANKET

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

Under **Covered Autos Liability Coverage**, the **Who is An Insured** provision is amended to include as an "insured" the person or organization who is required under a written contract to be included as an "insured" under this policy, but only with respect to their legal liability for your acts or omissions or the act or omissions of a person for whom **Covered Autos Liability Coverage** is afforded under this policy.

All other terms and conditions of this policy remain unchanged.

Endorsement Number:

Policy Number: 41PKG89536

Named Insured:

This endorsement is effective on the inception date of this Policy unless otherwise stated herein:

Endorsement Effective Date: 10/01/2020

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY – OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

- A.** The following is added to the **Other Insurance Condition** in the Business Auto Coverage Form and the **Other Insurance – Primary And Excess Insurance Provisions** in the Motor Carrier Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage is primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

1. Such "insured" is a Named Insured under such other insurance; and
2. You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

- B.** The following is added to the **Other Insurance Condition** in the Auto Dealers Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage and General Liability Coverages are primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

1. Such "insured" is a Named Insured under such other insurance; and
2. You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION)

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
BUSINESS AUTO PHYSICAL DAMAGE COVERAGE FORM
GARAGE COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured:

Endorsement Effective Date: 10/01/2020

SCHEDULE

Name(s) Of Person(s) Or Organization(s):

Any person or organization where waiver of our right to recover is permitted by law and is required by written contract provided such contract was executed prior to the loss

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The **Transfer Of Rights Of Recovery Against Others To Us** Condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

Any person or organization where waiver of our right to recover is permitted by law and is required by written contract provided such contract was executed prior to the loss

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement
Insured

Effective Policy No. 41WCI89534

Endorsement No.
Premium

Insurance Company: Arch Insurance Company

Countersigned by _____

WC 00 03 13
(Ed. 4-84)

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**EXCLUSION - DESIGNATED OPERATIONS COVERED BY A
CONSOLIDATED (WRAP-UP) INSURANCE PROGRAM**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Description and Location of Operation(s):

**ALL PROJECTS AND LOCATIONS WHERE THE INSURED IS
PERFORMING WORK THAT IS SUBJECT TO A CONSOLIDATED
(WRAP-UP) INSURANCE PROGRAM WHETHER PROVIDED BY
THE OWNER, PRIME CONTRACTOR OR PROJECT MANAGER**

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

The following exclusion is added to paragraph 2.,
Exclusions of COVERAGE A - BODILY INJURY
AND PROPERTY DAMAGE LIABILITY (Section I -
Coverages):

This insurance does not apply to "bodily injury" or
"property damage" arising out of either your ongoing
operations or operations included within the "products-
completed operations hazard" at the location described
in the Schedule of this endorsement, as a consolidated
(wrap-up) insurance program has been provided by the

prime contractor/project manager or owner of the
construction project in which you are involved.

This exclusion applies whether or not the consolidated
(wrap-up) insurance program:

- (1) Provides coverage identical to that provided by this
Coverage Part;
- (2) Has limits adequate to cover all claims; or
- (3) Remains in effect.

POLICY NUMBER: 41WCI89534**DESIGNATED WORKPLACES EXCLUSION ENDORSEMENT**

The policy does not cover work conducted at or from

Any employee engaged in any work directly connected with operations conducted at (or "in") any job site where the Named Insured is covered for Workers' Compensation insurance under a separate Wrap-Up Insurance program.

Wording not applicable to Wisconsin, where coverage is limited to wrap-ups reported by the Wisconsin Compensation Rating Bureau.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.
(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective 10-01-20 Policy No. 41WCI89534

Endorsement No.

Insured CURRAN GROUP, INC.

Premium \$ INCL.

Insurance Company ARCH INSURANCE COMPANY

Countersigned By _____

DATE OF ISSUE: 10-01-20

WC 00 03 02

(Ed. 4-84)

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**Illinois Department
of Transportation**

Affidavit of Illinois Business Office



Local Public Agency	County	Street Name/Road Name	Section Number
DeKalb	DeKalb	DeKalb Streets 2021	21-00000-00-GM

I, Michael Pachla of Crystal Lake, Illinois,
Name of Affiant City of Affiant State of Affiant
 being first duly sworn upon oath, state as follows:

1. That I am the Vice President of Curran Contracting Company.
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, Curran Contracting Company, will maintain a business office in the
Bidder
 State of Illinois, which will be located in McHenry County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature	Date
	3/10/2021
Print Name of Affiant	
Michael Pachla, Vice President	

Notary Public

State of IL

County McHenry

Signed (or subscribed or attested) before me on 3/10/2021 by
(date)

Mike Pachla, authorized agent(s) of
(name/s of person/s)
Curran Contracting Company
Bidder

(SEAL)	Signature of Notary Public
My commission expires	<u>12/22/2024</u>

OFFICIAL SEAL
NATALIA LARSON
 NOTARY PUBLIC, STATE OF ILLINOIS
 My Commission Expires 12/22/24



Local Public Agency	County	Street Name/Road Name	Section Number
DeKalb	DeKalb	DeKalb Streets 2021	21-00000-00-GM

All contractors are required to complete the following certification

- ☒ For this contract proposal or for all bidding groups in this deliver and install proposal.
☐ For the following deliver and install bidding groups in this material proposal.

--

Illinois Department of Transportation policy, adopted in accordance with the provisions of the Illinois Highway Code, requires this contract to be awarded to the lowest responsive and responsible bidder. The award decision is subject to approval by the Department. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders and all bidder's subcontractors to disclose participation in apprenticeship or training programs that are (1) approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and (2) applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

1. Except as provided in paragraph 4 below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.
2. The undersigned bidder further certifies, for work to be performed by subcontract, that each of its subcontractors either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.
3. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

Central Laborers' Pension, Welfare and Annuity Funds Local #s 32 & 727, North Central Illinois Laborers' Health and Welfare Fund Local #s 32 & 727, Fox Valley & Vicinity Laborers' Health and Welfare and Pension Funds Local #s 1035 & 582, Laborers' Pension and Welfare Funds for Chicago and Vicinity Local #152, Suburban Teamsters of Northern Illinois Welfare and Pension Funds Local #330, Chauffeurs, Teamsters, and Helpers Local Union No. 301, I. B. of T. Local #301, Midwest Operating Engineers, Local #150

4. Except for any work identified above, if any bidder or subcontractor shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforces and positions of ownership. ☐

--

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. The Department at any time before or afterward may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. In order to fulfill the participation requirement, it shall not be necessary that any applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract or deliver and install proposal.

Bidder

Curran Contracting Company

Title

Michael Pachla, Vice President

Address

286 Memorial Court

Signature

Michael Pachla

Date

3/10/2021

City

Crystal Lake

State

IL

Zip Code

60014



Affidavit of Availability
For the Letting of 1/16/2021
(Letting date)

Instructions: Complete this form by either typing or using block ink. "Availability to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected, in a joint venture, list only that portion of work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or surveyor's estimate, and must include work subcontracted to others. If no work is estimated, show NONE.

	Fennel Cynagier	High Noon	High Noon - BOS	99-20-0015	
	1	2	3	4	Awards Pending
County	Kane	DeKalb	DeKalb	Lake	
Contract Number	4700018035	2008001	31.01	00-20-0015	
Contract With	Barton Malow	Mortenson	Mortenson	Cacciatore	
Estimated Completion Date	9/1/2021	12/31/2021	8/31/2021	8/30/2021	
Total Contract Price	270,560.00	20,938,678.00	793,948.00	722,340.00	Accumulated Totals
Uncompleted Dollar Value If Firm in the Prime Contractor				149,763.00	149,763.00
Uncompleted Dollar Value If Firm in the Subcontractor	12,000.00	5,000,000.00	489,011.00		5,501,101.00
Total Value of All Work					5,650,854.00

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and award is pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

					Accumulated Totals
Earthwork	4,000.00	1,000,000.00	80,000.00	16,118.00	1,061,118.00
Portland Cement Concrete Paving					0.00
HMA Plant Mix			90,398.00		90,398.00
HMA Paving				82,834.00	82,834.00
Clean & Seal Cracks/Joints					0.00
Aggregate Bases & Surfaces	7,000.00	4,000,000.00	160,083.00		4,167,173.00
Hwy JLR & Waterway Structures					0.00
Drainage					0.00
Electrical					0.00
Cover and Seal Costs					0.00
Concrete Construction					0.00
Landscaping					0.00
Fencing					0.00
Guardrail					0.00
Painting					0.00
Signage					0.00
Cut Milling, Planing & Rotomilling					0.00
Demolition					0.00
Pavement Markings (Paint)					0.00
Field Office					0.00
Traffic Control					0.00
Other Construction					0.00
Totals	12,000.00	5,000,000.00	310,478.00	78,763.00	5,401,322.00

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "State Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	High Noon	High Noon - BOS		
	1	2	3	4
Subcontractor	NONE	Clear Cut Tree Service	Elliot & Wood	ARI
Type of Work		Tree Removal	Site Concrete	Concrete
Subcontract Price		4,400.00	189,332.00	41,820.00
Amount Uncompleted			189,332.00	30,000.00
Subcontractor		Joe Cooling	Joe Cooling	Artega
Type of Work		Site Fence	Site Fence & Seed	Landscaping
Subcontract Price		60,130.00	11,474.00	16,637.50
Amount Uncompleted			8,000.00	12,000.00
Subcontractor		MT. Carmel Stabilization	Demers Seaweeding	Stark & Sons
Type of Work		Cement Stabilization	Striping/Signage	Underground
Subcontract Price		3,097,938.00	1,200.00	269,169.00
Amount Uncompleted			1,200.00	20,000.00
Subcontractor		Nisk		
Type of Work		Demolition		
Subcontract Price		25,000.00		
Amount Uncompleted				
Subcontractor				
Type of Work				
Subcontract Price				
Amount Uncompleted				
Subcontractor				
Type of Work				
Subcontract Price				
Amount Uncompleted				
Subcontractor				
Type of Work				
Subcontract Price				
Amount Uncompleted				
Total Uncompleted	0.00	0.00	178,532.00	71,000.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Fiscal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

this 21st day of January, 2021

Jacqueline M. Wallace
Notary Public

My commission expires: 08/28/24

Type or Print Name Michael Pachle, Vice President

Officer or Director Title

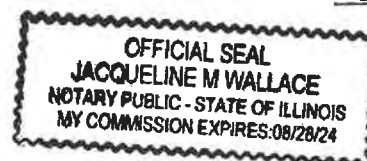
Signed Michael Pachle

Company Curran Contracting Company

Address 288 Memorial Court

Crystal Lake, IL 60014

(Notary Seal)





Affidavit of Availability
For the Letting of 1/16/2021
(Letting date)

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below the work you have under contract as either a prime contractor or a subcontractor. It is required to include all handling fee bids not yet awarded or rejected. In a joint venture, list only that portion of work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owner's estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	04-20-0007	1	2	3	4	Awards Pending
County	Winnebago					
Contract Number	RR-18-4803					
Contract With	ISTHA					
Estimated Completion Date	8/1/2021					
Total Contract Price	4,938,659.42					Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	250,000.00					250,000.00
Uncompleted Dollar Value if Firm is the Subcontractor						149,753.00
						Total Value of All Work 399,753.00

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and award is pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

	Accumulated Totals
Earthwork	1,081,119.00
Portland Cement Concrete Paving	0.00
HMA Plant Mix	90,598.00
HMA Paving	62,634.00
Clean & Seal Cracks/Joints	0.00
Aggregate Bases & Surfaces	4,167,173.00
Highway, R.R. & Waterway Structures	0.00
Drainage	0.00
Electrical	0.00
Cover and Seal Costs	0.00
Concrete Construction	0.00
Landscaping	0.00
Fencing	0.00
Guardrail	0.00
Painting	0.00
Signing	0.00
Cold Milling, Planing & Rotomilling	0.00
Demolition	0.00
Pavement Markings (Paint)	0.00
Field Office	0.00
Traffic Control	0.00
Other Construction	0.00
Totals	5,401,322.00

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Form Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	04-20-0007	04-20-0007	1	2	3	4	Awards Pending
Subcontractor	Maint Coat	Engel Electric					
Type of Work	Traffic Control/striping	Electric					
Subcontract Price	991,767.00	2,750.00					
Amount Uncompleted							
Subcontractor	Kido	Arizaga					
Type of Work	Signage	Landscape					
Subcontract Price	735,089.00	159,102.85					
Amount Uncompleted	200,000.00						
Subcontractor	Ntrak Group	AC Pavement Stripe					
Type of Work	Excavation / Sewer / Manholes	Microsurface/Crack Seal					
Subcontract Price	347,407.35	892,389.24					
Amount Uncompleted							
Subcontractor	Protect LLC						
Type of Work	Joint Sealant						
Subcontract Price	63,834.60						
Amount Uncompleted							
Subcontractor	Schroeder Asphalt						
Type of Work	Rotamill						
Subcontract Price	78,000.00						
Amount Uncompleted							
Subcontractor	Industrial Fence						
Type of Work	Guardrail						
Subcontract Price	48,844.49						
Amount Uncompleted							
Subcontractor	Badger Daylight						
Type of Work	Sewer Clean						
Subcontract Price	117,602.00						
Amount Uncompleted	50,000.00						
Total Uncompleted	250,000.00	0.00	0.00	0.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit to be a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending fee bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

on this 21st day of JANUARY, 2021

Jaqueline M. Wallace
Notary Public

My commission expires: 8-28-24

(Notary Seal)

Type or Print Name Michael Pachia, Vice President

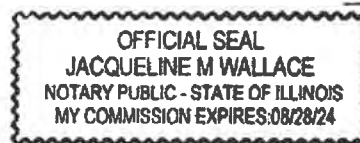
Office of Director

Signed *Michael Pachia*

Company Curran Contracting Company

Address 288 Memorial Court

Crystal Lake, IL 60014





For the Letting of Affidavit of Availability
1/16/2021
(Letting date)

Instructions: Complete this form by either typing or using blank ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or subcontractor. It is required to include all heading line bids not yet awarded or rejected. In a joint venture, list only that portion of work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineering or estimate available, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending
County	Cook	Cook		Winnebago	
Contract Number	08-18-0083	1-18-4704		08-20-0140	
Contract With	Primer	ISYHA		Nitrac Group	
Estimated Completion Date	03/02/2021	11/30/2022		01/18/2021	
Total Contract Price	2,212,160.00	48,248,248.00		\$ 189,867.50	Accumulated Totals
Uncompleted Dollar Value If Firm is the Prime Contractor		48,181,189.78			48,181,189.78
Uncompleted Dollar Value If Firm is the Subcontractor	\$8,128.00			\$ 359,058.38	487,184.38
				Total Value of All Work	48,638,333.12

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and award is pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

					Accumulated Totals
Earthwork	72,418.00	20,880,716.00			22,134,283.00
Portland Cement Concrete Paving					0.00
HMA Plant Mix					80,388.00
HMA Paving				\$ 159,058.38	221,890.38
Clean & Seal Cracks/Joints					0.00
Aggregate Base & Surfaces					4,187,173.00
Hwy, R.R. & Waterway Structures					0.00
Drainage					0.00
Electrical					0.00
Cover and Seal Costs					0.00
Concrete Construction					0.00
Landscaping					0.00
Fencing					0.00
Guardrail					0.00
Painting					0.00
Signage					0.00
Cold Milling, Planning & Rotomilling					0.00
Demolition					0.00
Pavement Markings (Paint)					0.00
Field Office					0.00
Traffic Control					0.00
Other Construction					0.00
Totals	72,418.00	20,880,716.00	0.00	159,058.38	0.00
					28,653,512.38

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Notice Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forces Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	08-19-0083	1-18-4704	1-18-4704		
	1	2	2	2	Awards Pending
Subcontractor	ABI Cono	ABI Cono	Macfie		
Type of Work	Concrete	Concrete	Surveying		
Subcontract Price	302,348.00	182,028.00	88,300.00		
Amount Uncompleted		182,028.00	88,300.00		
Subcontractor	H&H Elec	Alpine Demo	Maini Costing		
Type of Work	Traffic Signs	Demolition	Strip/Traffic Con		
Subcontract Price	\$31,184.00	402,300.00	63,308.75		
Amount Uncompleted		350,000.00	83,808.75		
Subcontractor	KS Construction	Arohan Constr.	RD Wegman		
Type of Work	Milling & Paving	Underground	Building		
Subcontract Price	417,840.00	5,884,173.85	5,888,300.00		
Amount Uncompleted		5,884,173.85	5,888,300.00		
Subcontractor	Maini Costing	Clean Gut	Relandscape		
Type of Work	Striping	Tree Rem.	Landscaping		
Subcontract Price	19,471.00	22,095.00	1,212,851.80		
Amount Uncompleted	10,708.00	22,095.00	1,212,851.80		
Subcontractor	Wingren Land	Degan & Assoc.	Superior Constr.		
Type of Work	Landscaping	Environmental	Structural Cons.		
Subcontract Price	38,000.00	29,880.00	12,408,123.10		
Amount Uncompleted	\$,000.00	28,000.00	12,408,123.10		
Subcontractor	Work Zone	Industrial Fence	Torres Elec.		
Type of Work	Traffic Control	Fencing	Electrical		
Subcontract Price	40,210.00	789,638.61	887,048.31		
Amount Uncompleted		789,638.61	887,048.31		
Subcontractor		K-Five Constr.			
Type of Work		HMA Placement			
Subcontract Price		388,417.44			
Amount Uncompleted		388,417.44			
Total Uncompleted	58,708.00		27,210,483.78	0.00	0.00

I, being duly sworn, do hereby declare this affidavit to be a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending bid bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

21st day of January 2021
Jacqueline M. Wallace
Notary Public

My commission expires: 8-28-24

(Notary Seal)

Type or Print Name Michael Pachla, Vice President

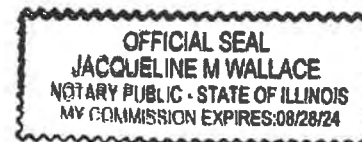
Office or Director

Signed Michael Pachla

Company Curran Contracting Company

Address 286 Memorial Court

Crystal Lake, IL 60014





**Illinois Department
of Transportation**

Certificate of Eligibility

Curran Contracting Company
286 Memorial Court Crystal Lake, IL 60014

Contractor No 1305

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED

SUPER UNLIMITED

001	EARTHWORK	\$39,975,000
003	HMA PLANT MIX	Unlimited
012	DRAINAGE	\$3,650,000
017	CONCRETE CONSTRUCTION	\$4,625,000
032	COLD MILL, PLAN. & ROTOMILL	\$9,075,000
08A	AGGREGATE BASES & SURF. (A)	\$5,550,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 4/9/2020 TO 4/30/2021 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION. ISSUED AT SPRINGFIELD, ILLINOIS ON 4/10/2020.


Engineer of Construction

NOTICE OF AWARDTo: Curran Contracting Company286 Memorial CourtCrystal Lake, IL 60014PROJECT Description: DeKalb Streets 2021 - Section 21-00000-00-GM

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids dated February 17, 20 21 and Information for Bidders.

You are hereby notified that your BID has been accepted for items in the amount of \$ 1,251,009.56

You are required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance BOND, Payment BOND and certificates of insurance within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said BONDS within ten (10) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this 23rd day of March, 20 21.

City of DeKalb

(Owner)

By [Signature]Title City Manager**ACCEPTANCE OF NOTICE**

Receipt of the above NOTICE OF AWARD is hereby acknowledged,

by [Signature]

this the 29th day of March, 20 21.

By Michael LeopardoTitle Vice President



Contract Bond



Local Public Agency	County	Street Name/Road Name	Section Number
DeKalb	DeKalb	DeKalb Streets 2021	21-00000-00-GM

Bond information to be returned to Local Public Agency at City Eng., City of DeKalb, 1216 Market St., DeKalb, IL 60115
Complete Address

We, Curran Contracting Company, 286 Memorial Court, Crystal Lake, IL 60014
Contractor's Name and Address

a/an Corporation organized under the laws of the State of Illinois as PRINCIPAL, and

Continental Casualty Company 151 N. Franklin St., Chicago, IL 60606
Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of
One million, two hundred fifty-one thousand, nine dollars and 56/100-----

Dollars (\$1,251,009.56) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves, successors and assigns jointly to pay to the LPA this sum under the conditions of this instrument.

WHEREAS, THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that the said Principal has entered into a written contract with the LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW, THEREFORE, if the said Principal shall perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LPA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective agents this 26th day of March 2021
Day Month and Year

PRINCIPAL

Company Name

Company Name

Curran Contracting Company

By

Signature & Title

By

Signature & Title

Date

Michael Leonardo
MICHAEL LEONARDO, VICE PRESIDENT
Date: 3/29/2021

Attest

Signature & Title

Signature & Title

Date

Kim Brees
Kim Brees, ASST SECRETARY
Date: 3/29/2021

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF IL

COUNTY OF Mc Henry

I, Jeannine Garriepy, a Notary Public in and for said county, do hereby certify that

Notary Name

MICHAEL LEOPARD

Insert name of Individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 29th day of March, 2021.

Day

Month, Year

(SEAL)



Notary Public Signature

Jeannine L. Garriepy

Date commission expires 11/17/24

SURETY

Name of Surety

Continental Casualty Company

Title

By:

Donna M Planeta

Attorney-in-Fact, Donna M Planeta

STATE OF CT

COUNTY OF Hartford

I, Brendan Fletcher, a Notary Public in and for said county, do hereby certify that

Notary Name

Donna M Planeta

Insert name of Individuals signing on behalf of ~~PRINCIPAL~~ SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 26th day of March 2021.

Day

Month, Year

(SEAL)

BRENDAN FLETCHER
NOTARY PUBLIC - CT 180835
My Commission Expires Feb. 28, 2025

Notary Public Signature

Brendan Fletcher

Date commission expires February 28, 2025

Approved this 29th day of March 2021

Day

Month, Year

Attest:

Local Public Agency Executive Seal Signature

Date

[Signature]

4-13-21

Municipality

Clerk

Local Public Agency Type

Awarding Authority

DeKalb

Awarding Authority Signature

Date

[Signature]

4/13/2021

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company (herein called "the CNA Companies"), are duly organized and existing insurance companies having their principal offices in the City of Chicago, and State of Illinois, and that they do by virtue of the signatures and seals herein affixed hereby make, constitute and appoint

Donna M Planeta, Joshua Sanford, Aimee R Perondine, Michelle Anne McMahon, Rebecca M Stevenson, Bryan M Caneschi, Tanya Nguyen, Bethany Stevenson, Individually

of Hartford, CT, their true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on their behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind them thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of their insurance companies and all the acts of said Attorney, pursuant to the authority hereby given is hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law and Resolutions, printed on the reverse hereof, duly adopted, as indicated, by the Boards of Directors of the insurance companies.

In Witness Whereof, the CNA Companies have caused these presents to be signed by their Vice President and their corporate seals to be hereto affixed on this 18th day of December, 2020.



Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

Paul T. Bruflat Vice President

State of South Dakota, County of Minnehaha, ss:

On this 18th day of December, 2020, before me personally came Paul T. Bruflat to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company described in and which executed the above instrument; that he knows the seals of said insurance companies; that the seals affixed to the said instrument are such corporate seals; that they were so affixed pursuant to authority given by the Boards of Directors of said insurance companies and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said insurance companies.



My Commission Expires June 23, 2021

J. Mohr Notary Public

CERTIFICATE

I, D. Johnson, Assistant Secretary of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that the By-Law and Resolution of the Board of Directors of the insurance companies printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said insurance companies this 26th day of March, 2021.



Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

D. Johnson Assistant Secretary

Form F6853-4/2012

Go to www.cnasurety.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.

Authorizing By-Laws and Resolutions

ADOPTED BY THE BOARD OF DIRECTORS OF CONTINENTAL CASUALTY COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company at a meeting held on May 12, 1995:

"RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of Continental Casualty Company.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25th day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers") to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. "

ADOPTED BY THE BOARD OF DIRECTORS OF NATIONAL FIRE INSURANCE COMPANY OF HARTFORD:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

"RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of National Fire Insurance Company of Hartford.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25th day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers") to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. "

ADOPTED BY THE BOARD OF DIRECTORS OF AMERICAN CASUALTY COMPANY OF READING, PENNSYLVANIA:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

"RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of American Casualty Company of Reading, Pennsylvania.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25th day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers") to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. "

INDEX FOR SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2021

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 4-1-16) (Revised 1-1-21)

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Check Sheet for Recurring Special Provisions



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The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

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DeKalb

21-00000-00-GM

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

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The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted

April 1, 2016, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

Herein after the terms "Owner", "City" or "Engineer" shall mean the City of DeKalb or its designated representative and the term "Contractor" shall mean the entity who proposes to perform the work herein described or its designated subcontractors.

SCOPE OF WORK

BASE BID

This project includes various streets throughout the City of DeKalb. The main routes of this project are Taylor Street from the Lions Park Entrance to South 1st Street, South 1st Street from Taylor Street to Lincoln Highway, and North 1st Street from Lincoln Highway to Augusta Avenue. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, and ADA ramp installations. Various Alley improvements will be determined by the City Engineer.

ALTERNATE BID #1

The mandatory alternate bid includes South 7th Street from Franklin Street to Lincoln Highway in DeKalb IL. Improvements include HMA pavement removal / replacement, sanitary manhole reconstructions, and thermoplastic striping.

ALTERNATE BID #2

The mandatory alternate bid includes South 6th Street from Roosevelt Street to Grove Street in DeKalb, IL. Improvements include HMA pavement removal / replacement, concrete sidewalk and curb removal / replacement, thermoplastic striping, and ADA ramp installations.

CONSTRUCTION INSPECTION

Any work performed without the presence of a City designated representative to inspect said construction will not be accepted for payment as directed by the Engineer. The Contractor shall notify the Engineer a minimum of 24 hours in advance of the start of construction or the continuation of construction following a pause in work.

START / COMPLETION DATE

Work may begin on all streets on May 15, 2021. All work shall be completed no later than September 15th, 2021. Work shall initiate on North 1st Street, with work proceeding to the South towards Lincoln Highway.

CONSTRUCTION STAKING/LAYOUT

The Engineer will provide locations of project limits on each street prior to the start of construction. Limits will be painted "white".

Some construction layout will be provided for the contractor's reference, a benchmark will be provided at each ADA corner and limits marked out for removal. However, the contractor is responsible to complete the work as per the provided plans, details, and specifications. All work, especially ADA ramp construction, is to be completed to meet all local, state, and federal requirements related to the American's with Disabilities Act.

EXISTING UTILITIES AND DRAINAGE STRUCTURES LOCATIONS

The City of DeKalb does not guarantee the completeness or accuracy of the information shown on the plans (if applicable) and or specifications (where applicable) regarding location of existing utilities. The contractor shall make his own investigation to verify or determine the existence, nature and location of all utilities on the site that may interfere with construction before starting his operations. The Contractor shall report to the Engineer any omissions or differences in location from that shown on the plans. Care should be taken while working near these utilities to prevent their damage.

J.U.L.I.E.

The Contractor shall notify J.U.L.I.E. (1-800-892-0123) prior to construction so that each utility company can stake out any underground improvements that they have which may interfere with the proposed construction.

PREVAILING WAGE REQUIREMENTS

In accordance with the Public Act 94-0515, the Contractor shall be responsible for the following requirements:

Maintain records for three (3) years of all laborers or workers employed on this project including their name, address, phone number, social security number, classification, hourly wages paid in each pay period, and the number of hours worked each day.

Submit these records to the city clerk in either hard copy or electronically.

Certify in writing these records are true and accurate; that the rate paid is not less than the Applicable Prevailing Wage.

These records shall be made available for inspection by the Illinois Department of Labor on two (2) business days' notice.

The Contractor shall note that filing a false Certified Payroll is a class B misdemeanor.

MAINTENANCE OF TRAFFIC

The maintenance of traffic on the project shall be as follows:

701501-06 701606-10 701611-01 701701-10 701801-06 701901-08

Lane and road closures, the conveyance of thru and local traffic within, and around the construction zones shall be provided in accordance with the use of the above-referenced Highway Standards as directed by the Engineer. Except as otherwise provided herein, the Contractor shall provide at least one entrance/exit point to the commercial and residential properties at all times. The Contractor shall submit his/her proposed sequence of operations and any necessary revisions to attendant traffic control to the Engineer for approval before actual construction operations begin.

All traffic control devices and barricades throughout the project shall remain in place until the entire project location is substantially complete, or as otherwise directed by the Engineer. Any traffic control signage to remain in place longer than seven (7) days shall be post mounted.

Driveways:

Except where the plans expressly authorize temporary complete closures, the Contractor shall keep

driveways open to local traffic by keeping at least half of the width of said driveway open or by providing access at a temporary location, as approved by the Engineer. The Contractor shall provide and maintain access to commercial and private properties abutting the roadway being improved in accordance with Article 107.09 of the Standard Specifications. Access to commercial property shall at no time be shut off completely except as expressly authorized in the plans or as directed by the Engineer.

Removing and Resetting Traffic Signs:

This work shall consist of the removal, relocation, and resetting of traffic signs which interfere with construction operations. This work shall also include the removal, relocation, and resetting of existing wood signs, delineators and other miscellaneous signs which interfere with construction operations. This work shall be performed in accordance with the applicable portions of Article 107.25 of the Standard Specifications and as directed by the Engineer. The Contractor shall remove, temporarily relocate and/or permanently reset existing signs which interfere with the construction operations. This work will not be paid for separately but shall be included in the contract lump sum price of TRAF CONT & PROT SPL. The Engineer will determine which signs will be removed, temporarily relocated and permanently reset.

Brooming Roadway:

All traffic lanes which are closed to through traffic during construction shall be broomed or swept free of all loose gravel or construction debris before the traffic lane is reopened to traffic. All roadway surface conditions shall be approved by the Engineer before they are opened to traffic. This work will not be paid for separately but shall be considered included in the Contractor's scope of work.

GENERAL NOTES

This project shall be constructed in accordance with the plans, specifications, and as detailed below:

Unless otherwise directed in the plans and specifications, at no time shall more than half of the street be under construction. This construction includes structure adjustments, reconstruction, any concrete work in or adjacent to the street, milling, paving, and operations.

The City of DeKalb requires all vendors to maintain a professional working environment at all times. Representatives of the general contractor (including all sub-contractors) are required to treat members of the general public, City of DeKalb employees/elected officials, and other agents of the City with the utmost respect and courtesy at all times. Profanity, intimidation, the use of racial or ethnic slurs, or any other harassment of the general public and representatives of DeKalb is strictly prohibited.

For each documented incident involving the behavior described above, a fine of \$1,500 will be assessed to the general contractor. Further, the employee or employees identified and involved in the incident shall be promptly removed and not allowed to return to work on the project.

Cornfest 2021 is scheduled to take place in downtown DeKalb August 27th - August 29th, 2021. The City Engineer of DeKalb shall be consulted for direction of work beginning no later than August 13th, 2021 to coordinate construction efforts around Cornfest.

SAW CUTS

All saw cuts required by the project shall be considered incidental to the contract.

ITEM #35800200 AGGREGATE BASE REPAIR

This work shall consist of the removal and replacement of any areas of insufficient base course found after milling operations. Included in the quantity for this bid is five percent of the roadway. Areas will be

designated by the Engineer. Insufficient base course shall be identified by base thickness checks and proof rolling, as directed by the Engineer. The contractor shall notify the engineer 48 hours prior to any tests. Proof rolling shall be performed with a fully loaded six-wheeler. If the proof rolled material is deemed unsuitable, the unsuitable material shall be removed to the depth required for new aggregate base. The work shall include excavating and disposing of any surface mixes and base course, furnishing, placing, rolling, and blading 12" of Aggregate Base Course, Type B. The Aggregate Base Course shall include of 8" of CA-2 and 4" of CA-6 crushed limestone as well as the final base preparation for the HMA mixes. This work shall conform to sections 202, 351, 358, and 440 of the "Standard Specifications for Road and Bridge Construction" in Illinois, latest edition.

This work shall be paid for at the contract unit price per ton for AGGREGATE BASE REPAIR.

ITEM #42400100: PORTLAND CEMENT CONCRETE SIDEWALK 5"

This work consists of replacing segments of offset, broken or hazardous sidewalk at locations throughout the city in accordance with Section 424 of the Standard Specification and in accordance with the Illinois Accessibility Code Standards.

Any variable height edge treatments not exceeding 8 inches, including side curb, and back curb along ADA ramps, sidewalk, and landings will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK 5'.

Sidewalk forms shall be constructed of full depth material and struck off along the top edge of the forms.

Removal of tree roots that are causing the sidewalk to heave, shall be considered incidental to this pay item.

No cure and seal compound shall be applied when the air temperature is below 40 degrees or is between 40 and 45 degrees and falling. All concrete poured after November 1 shall meet the requirements of Article 420.18 and Protective Coating shall meet the requirements of Section 1023.

Revise Article 424.08, Curb Ramps to include the following paragraph:

"Where the sidewalk abuts curb and gutter, the sidewalk shall be poured to full depth of the curb and gutter for minimum width of 12 inches. No. 4 rebar shall be drilled and epoxied into the curb to restrict the new sidewalk from settling. No expansion joint will be placed at the curb and gutter but shall be placed at the top of the ramp where it meets the main walk. All new concrete walk shall be pinned to existing walk."

Revise Article 424.10, Backfill to include the following paragraph:

"Restoration of disturbed lawn areas on all sides of the sidewalk shall be with a minimum 4" of and Class 1A seed mixture. All traffic control and barricades protecting unsafe areas shall stay in place until this process is completed. This work shall be done in accordance with Section 250 of the Standard Specifications for Road and Bridge Construction."

Revise Article 424.12, Basis of Payment, to read as follows:

"This work will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK, 5", which price shall include all methods of curing and protective coating, required base course materials, expansion joints, rebar, variable height edge treatment at sidewalk ramps, variable height back curb around sidewalk landings, backfilling sidewalk with compacted topsoil and any removal and disposal of subgrade and/or earth excavation to achieve the proper ADA requirements."

ITEM #42400800 DETECTABLE WARNINGS

This work shall be done in accordance with Section 424 of the Standard Specifications. See the attached technical specifications for DETECTABLE WARNINGS.

This work shall be paid for at the contract unit price per square foot for DETECTABLE WARNINGS.

ITEM #60266600: VALVE BOXES TO BE ADJUSTED

This work shall be done in accordance with Section 602 of the Standard Specifications for Road and Bridge Construction (latest edition) and the attached detail. A full depth saw-cut consisting of a 1'x1' diamond configuration around the center of the valve box shall be completed by the Contractor. The Contractor shall remove the existing pavement/aggregate material to a depth of 10" below the finished grade elevation. The valve shall be adjusted to the finished grade elevation. The Contractor shall fill the 1' by 1' surrounding space with IDOT Approved SI Concrete to a max of 10" deep to the top of the valve box (set at finished grade elevation).

This work shall be paid for at the contract unit price per each for VALVE BOXES TO BE ADJUSTED.

ITEM #60603800: COMBINATION CONCRETE CURB AND GUTTER TB6.12

This work consists replacement of deteriorated curb and gutter segments throughout the city in accordance with Section 606 of the Standard Specifications. For most part, the type of curb is B-6.12 (See City of DeKalb Street Standard ST-100).

Revise Article 606.04 Excavation, to include the following paragraph:

"No additional compensation will be made for over excavation in depth due to operator error, or unsuitable subgrade material. Contractor can pour extra concrete or place compacted aggregate back for the over excavation at their cost."

Revise Article 606.06 Placing Concrete to include the following paragraph:

"Whenever the curb construction is to be across a previously backfilled trench or excavation or across sub-grade of questionable stability, #4, (1/2") reinforcing bars shall be installed to adequately span the area of concern. All bars shall be long enough to extend over the areas of settled sub-grade, flanking the area of concern."

No Cure and Seal compound shall be applied when the air temperature is below 40 degrees or is between 40 and 45 degrees and falling. All concrete poured after November 1st shall meet the requirement of Article 420.18.

All Combination Curb and Gutter Sections shall be tied to existing curb with two #4 epoxy coated reinforcing tie bars.

Revise Article 606.13. Backfill, to include the following paragraphs:

"Restoration of disturbed HMA street areas in front of the curb line shall be prepared by squaring all edges to a uniform shape while maintaining a substantial base and filled with a HMA binder course to a level depending on thickness of overlay determined by the Engineer. The area shall then be cleaned, primed and a HMA surface course shall be placed. When the existing HMA surface is to be milled, the HMA surface course shall be omitted. The HMA binder and surface course patching shall be considered incidental to this pay item. "

"At locations of replaced curb at sidewalk ramps and in high volume pedestrian traffic, temporary HMA patching shall be placed and compacted in front of the curb to the proper grade directed by the Engineer."

"Restoration of disturbed lawn areas behind the curb shall be with a minimum 4" and Class 1A seed mixture. All traffic control and barricades protecting unsafe areas shall stay in place until this process is completed." This work shall be done in accordance with Section 250 of the Standard Specifications for Road and Bridge Construction.

Curing and protection, aggregate base, permanent and temporary pavement restoration, and backfilling of curb with topsoil will not be paid for separately. The cost of this work shall be included in the unit cost per foot for COMBINATION CONCRETE CURB AND GUTTER TB6.12.

ITEM 88600100 DETECTOR LOOP, TYPE I

This work shall be done in accordance with Section 886 of the Standard Specifications. The Contractor shall make connection to the existing power source as part of this work. Connections shall be completed by soldering or other techniques as required. Upon completion of work, testing of all loops shall be the Owner.

This work shall be paid for at the contract unit price per foot for DETECTOR LOOP, TYPE I.

ITEM #X0100022: TILL, RESHAPE, AND COMPACT ROADBED

Work shall be completed in accordance with Section 440 of the Standard Specifications for Road and Bridge Construction (latest edition). By way of milling operations, the contractor shall utilize the existing pavement to supplement the existing aggregate base course to a minimum 8" of total depth. The existing pavement shall be milled, pulverized, and compacted in place. Large chunks of the surface course shall be removed prior to compaction efforts. Pulverized material should resemble a CA-6 mixture, with average particle sizes approximately 3/8" diameter. If additional material is needed to achieve finished grade elevations (prior to HMA paving), Contractor shall furnish aggregate base course CA-6 as needed. CA-6 materials needed for this option or to supplement pulverizing efforts shall be considered incidental to this pay item.

This work shall be included at the contract price per square yard for TILL, RESHAPE, AND COMPACT ROADBED.

ITEM X0326806: WASHOUT BASIN

This work shall be done in accordance with Illinois Department of Transportation (IDOT) Storm Water Quality (SWQ) and Erosion Control Manual and detail in the plans.

This work shall be included at the contract unit price per Lump Sum for WASHOUT BASIN.

ITEM # X6025600: MANHOLES TO BE ADJUSTED, (SPECIAL)

This work shall consist of adjusting frames and lids. This work shall be done according to the applicable portions of Section 603 of the Standard Specifications and the following:

Construction Requirements. Prior to the milling operation, the Contractor shall remove all frames and lids of manholes and clean all asphalt away from the manhole castings. After removal, the Contractor shall place a suitable metal plate over the manhole locations and backfill the area with a temporary hot-mix or cold-mix asphalt mixture. The Contractor shall then complete the milling and placement of all HMA lifts.

After placing the surface course, the Contractor will reinstall the frames and lids and adjust them to the finished pavement elevation. The pavement must be saw cut full depth in a 5' x 5' diamond shape to create

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a clean pavement edge to pour concrete against.

The excavated area around the manholes and shall be filled with Class PP-1 or PP-2 concrete at a maximum depth of 10".

All frame adjustments shall be accomplished using the procedures outlined in the Standard Specifications and as directed in the Specials Provisions herein. Any shims needed to adjust any frame shall be of solid flat steel with dimensions of 2" in width and 2" in length with uniform thickness. The frame will be set to grade using steel shims and without disturbing the adjustment; the frame will then be lifted off and set aside. A full bed of mortar will be placed on the structure between the adjusting shims, which shall form a solid masonry bond between the adjusting ring or structure. The frame shall be set back into place in a method not to damage the bed of mortar.

All manholes called out for adjustment or will be removed down to the top of the cone section, covered with a steel plate and backfilled before HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH starts. The manholes will be adjusted to final grade after the final surface is placed.

This work shall be paid for at the contract unit price per each for MANHOLES TO BE ADJUSTED (SPECIAL).

ITEM #X6026051: SANITARY MANHOLE TO BE RECONSTRUCTED

This item is for the reconstruction of sanitary manholes in effort to maintain watertight construction and will be done with the following provisions, in accordance with Section 602 of the Standard Specifications for Road and Bridge Construction and DeKalb Sanitary District requirements.

Contractor shall provide access to manholes 11861 and 11461 on S. 6th Street at all times. Both locations are used to bypass pump during overflow events. At no time, shall either one of these manholes be paved over or plated with a metal plate.

Sanitary sewer manholes shall have frame/chimney seal, as shown in the detail of the plans, or heat-activated shrink-wrap encapsulating manhole frame and adjusting area, incidental to this item. The following will be acceptable:

1. Canusa - CPS Wrapid Seal
2. Internal Adaptor Seal Ring as supplied by Sidener Supply of Belvidere, IL, (800) 892-5396.

Prior to the milling operation, the Contractor shall remove the existing cone section and install a new concrete cone section. Contractor shall place a suitable metal plate over the new cone section of the manhole and backfill the area with a temporary hot-mix or cold-mix asphalt mixture. The Contractor shall then complete the milling and placement of all HMA lifts.

After placing the surface course, the Contractor will reinstall the frames and lids and adjust them to the finished pavement elevation. The pavement must be saw cut full depth in a 5' x 5' diamond shape to create a clean pavement edge to pour concrete against.

The excavated area around the manholes shall be filled with Class PP-1 or PP-2 concrete at a maximum depth of 10". This includes areas outside of the concrete diamonds, that were excavated for placement of the precast cone.

All frame adjustments shall be accomplished using the procedures outlined in the Standard Specifications and as directed in the Special Provisions herein. Any shims needed to adjust any frame shall be of solid flat

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steel with dimensions of 2" in width and 2" in length with uniform thickness. The frame will be set to grade using steel shims and without disturbing the adjustment; the frame will then be lifted off and set aside. A full bed of mortar will be placed on the structure between the adjusting shims, which shall form a solid masonry bond between the adjusting ring or structure. The frame shall be set back into place in a method not to damage the bed of mortar.

All manholes called out for adjustment or will be removed down to the top of the cone section, covered with a steel plate and backfilled before HOT-MIX ASPHALT SURFACE REMOVAL starts. The manholes will be adjusted to final grade after the final surface is placed.

This work shall be paid for at the contract unit price per each for SANITARY MANHOLES TO BE RECONSTRUCTED.

ITEM #X7010216: TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

This shall be performed in accordance with Section 701 of the Standard Specifications insofar as applicable. This item includes providing and maintaining all signs, barricades, flashers, sandbags, and flagmen to implement traffic control in accordance with the Manual on Uniform Traffic Control Devices, latest edition; and, to implement necessary job safety warnings with proper barricades, cones and snow fences around trenches, equipment and new concrete or asphalt work.

The Contractor shall coordinate all traffic control work. When directed by the Engineer, the Contractor shall remove all traffic control devices, which were installed and maintained under this Contract. Such devices shall remain the property of the Contractor. No caution tape or ribbon will be allowed to mark off areas. Areas needing to be blocked off must be protected using proper methods outlined in the MUTCD.

The Contractor shall ensure that all traffic control devices installed are operational 24 hours a day, including Sundays and holidays.

The Contractor shall provide 24-hour contact information to receive notification of any traffic control deficiencies and shall dispatch workers, materials, and equipment to correct any such deficiencies. The Contractor shall respond to any call from the Department of Public Works concerning any request for improving or correction of traffic control devices and begin making requested repairs within two (2) hours from the time of notification.

This item of work will be incidental to the contract as agreed upon to furnish and implement all the conditions for Traffic Control and Protection for associated project work.

TRAFFIC CONTROL PLAN

All roads shall be kept open to traffic. All signs, except those referring to daily lane closures, shall be post mounted in accordance with Standard 701901 for all projects that exceed a four-day duration. There shall be no weekend lane closures. Construction signs referring to daytime lane closures during working hours shall be removed, covered or turned away from the view of the motorists during non-working hours.

The Contractor shall furnish, erect, maintain and remove all signs, barricades, flaggers and other traffic control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be as directed by the Engineer and in accordance with the applicable parts of Section 701 of the Standard Specifications.

The Contractor shall notify the City of DeKalb, Local Fire and Police Departments, and adjacent property owners a minimum of 5 days prior to closing any portion of adjacent streets or alleys.

Traffic Control shall be according to the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the National Manual on Uniform Traffic Control Devices for Streets and Highways, Illinois Supplement to the National Manual on Uniform Traffic Control Devices, these special provisions, and any special details and Highway Standards contained herein and in the plans.

Special attention is called to Articles 107.09 and 107.14 of the Standard Specifications for Road and Bridge Construction and the following Highway Standards relating to traffic control.

Standards:

701501 701502 701606 701701 701801 701901

General:

Where construction activities involve sidewalks on both sides of the street, the work shall be staged so that both sidewalks are not out of service at the same time.

Signs:

No bracing shall be allowed on post-mounted signs.

"BUMP" (W8-1(O)48) signs shall be installed as directed by the Engineer.

All regulatory signs shall be maintained at a 5-foot minimum bottom (rural), 7 feet minimum (urban).

Plate altering signs shall have the same sheeting as the base sign.

No more than one (1) plate shall be used to alter a sign.

Any post stubs without a sign in place and visible shall have a reflector placed on each post.

Devices:

Cones or reflectorized cones shall not be used during hours of darkness.

A minimum of 3 drums spaced at 4 feet shall be placed at each return when the sideroad is open.

On all standards, and the devices listed in Section 701 of the Standard Specifications, the device spacing shall be revised to the following dimensions:

Where the spacing shown on the standard is 25 feet, the devices shall be placed at 20 feet.

Where the spacing shown on the standard is 50 feet, the devices shall be placed at 40 feet.

Where the spacing shown on the standard is 100 feet, the devices shall be placed at 80 feet.

Direction Indicator Barricades shall exclusively be used in lane closure tapers. They shall be used only when traffic is being merged with an adjacent through lane or shifted onto a median crossover. Backside to resemble a type II barricade. Taper shall not be broken for a side street or commercial entrance.

Lights:

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Steady burn mono-directional lights are required on devices delineating a widening trench.

Flagger at Sideroads and Commercial Entrances:

Effective: August 1, 2011

Flaggers shall comply with all requirements contained in the Department's "Flagger Handbook" dated September 2011. The flagger equipment listed for flaggers employed by the Illinois Department of Transportation shall apply to all flaggers.

All workers and flaggers shall wear ANSI Class E pants and an ANSI Class 2 vest that in combination meet the requirements of ANSI/ISEA 107 2004 for Conspicuity Class 3 garments during hours of darkness.

This work shall be paid for at the contract unit price per lump sum for TRAF CONT & PROT SPL.

ITEM #Z0004005 FIBER ASPHALT

Attached are the technical specifications for FIBER ASPHALT which shall govern for all work.

This work shall be paid for at the contract unit price per pound (LB) of FIBER ASPHALT.

ITEM #Z0033700 LONGITUDINAL JOINT SEALANT, 18" BAND

Only work on North 1st Street and South 1st Street is to incorporate longitudinal joint sealant. Joint sealant shall meet all requirements of Section 1050, as well as Supplemental Specifications.

Longitudinal joint sealant shall be Road Fabric Product J-Band, or approved equal, as per manufacturer's specifications, and installation shall meet with engineer's approval.

This work shall be paid for at the contract unit price per foot (FT) for LONGITUDINAL JOINT SEALANT, 18" BAND.

ITEM #Z0048665:RAILROAD PROTECTIVE LIABILITY INSURANCE

The crossing location is identified as AAR/DOT Crossing Number 175045R, Railroad milepost 58.76.

The City of DeKalb will obtain the Maintenance Consent Letter from the Railroad. The City of DeKalb will provide the Maintenance Consent Letter to the contractor for their reference. The CONTRACTOR will be responsible for obtaining the Right of Entry Agreement from the Union Pacific Railroad, including preparing and submitting the application and all application fees, for themselves and any sub-contractors. Contractor is responsible for complying with said permit including, but not limited to, securing Railroad Protective Liability Insurance and securing/coordinating railroad flaggers. Contractor shall provide a copy of the Right of Entry Agreement to the Engineer before any work may begin inside the Railroad's Right-of-Way. All costs for said insurance and flaggers is incidental to this pay item.

This work shall be paid for at the contract unit price per lump sum basis for RAILROAD PROTECTIVE LIABILITY INSURANCE.

BDE SPECIAL PROVISIONS
For the January 15 and March 5, 2021 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

File Name	#		Special Provision Title	Effective	Revised
	80099	1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	April 1, 2020
	80274	2	<input checked="" type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
	80192	3	<input type="checkbox"/> Automated Flagger Assistance Device	Jan. 1, 2008	
	80173	4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	<input type="checkbox"/> Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	
	80241	6	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
	50261	7	<input type="checkbox"/> Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50481	8	<input type="checkbox"/> Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50491	9	<input type="checkbox"/> Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50531	10	<input type="checkbox"/> Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
*	80425	11	<input type="checkbox"/> Cape Seal	Jan. 1, 2020	Jan. 1, 2021
	80384	12	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
	80198	13	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
	80199	14	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80293	15	<input type="checkbox"/> Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
	80311	16	<input type="checkbox"/> Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
	80261	17	<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80387	18	<input type="checkbox"/> Contrast Preformed Plastic Pavement Marking	Nov. 1, 2017	
*	80434	19	<input type="checkbox"/> Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
	80029	20	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	March 2, 2019
	80402	21	<input checked="" type="checkbox"/> Disposal Fees	Nov. 1, 2018	
	80378	22	<input type="checkbox"/> Dowel Bar Inserter	Jan. 1, 2017	Jan. 1, 2018
	80421	23	<input type="checkbox"/> Electric Service Installation	Jan. 1, 2020	
	80415	24	<input checked="" type="checkbox"/> Emulsified Asphalts	Aug. 1, 2019	
	80423	25	<input type="checkbox"/> Engineer's Field Office and Laboratory	Jan. 1, 2020	
	80229	26	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80417	27	<input type="checkbox"/> Geotechnical Fabric for Pipe Underdrains and French Drains	Nov. 1, 2019	
	80420	28	<input type="checkbox"/> Geotextile Retaining Walls	Nov. 1, 2019	
*	80433	29	<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	
	80304	30	<input type="checkbox"/> Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2020
	80422	31	<input type="checkbox"/> High Tension Cable Median Barrier	Jan. 1, 2020	Nov. 1, 2020
	80416	32	<input checked="" type="checkbox"/> Hot-Mix Asphalt – Binder and Surface Course	July 2, 2019	Nov. 1, 2019
	80398	33	<input checked="" type="checkbox"/> Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	Nov. 1, 2019
*	80406	34	<input type="checkbox"/> Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT)	Jan. 1, 2019	Jan. 1, 2021
	80347	35	<input type="checkbox"/> Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	July 2, 2019
	80383	36	<input type="checkbox"/> Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	July 2, 2019
	80411	37	<input type="checkbox"/> Luminaires, LED	April 1, 2019	
	80393	38	<input type="checkbox"/> Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	March 1, 2019
	80045	39	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Aug. 1, 2014
	80418	40	<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Nov. 1, 2019	Nov. 1, 2020
*	80424	41	<input type="checkbox"/> Micro-Surfacing and Slurry Sealing	Jan. 1, 2020	Jan. 1, 2021
	80428	42	<input checked="" type="checkbox"/> Mobilization	April 1, 2020	
	80412	43	<input type="checkbox"/> Obstruction Warning Luminaires, LED	Aug. 1, 2019	
	80430	44	<input type="checkbox"/> Portland Cement Concrete – Haul Time	July 1, 2020	
	80359	45	<input type="checkbox"/> Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2019
	80431	46	<input type="checkbox"/> Portland Cement Concrete Pavement Patching	July 1, 2020	

80432	47	<input type="checkbox"/>	Portland Cement Concrete Pavement Placement	July 1, 2020	
80300	48	<input type="checkbox"/>	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
3426I	49	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	50	<input type="checkbox"/>	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
* 80306	51	<input checked="" type="checkbox"/>	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	Jan. 1, 2021
80407	52	<input type="checkbox"/>	Removal and Disposal of Regulated Substances	Jan. 1, 2019	Jan. 1, 2020
80419	53	<input checked="" type="checkbox"/>	Silt Fence, Inlet Filters, Ground Stabilization and Riprap Filter Fabric	Nov. 1, 2019	April 1, 2020
80395	54	<input type="checkbox"/>	Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
80340	55	<input type="checkbox"/>	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
80127	56	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
80408	57	<input type="checkbox"/>	Steel Plate Beam Guardrail Manufacturing	Jan. 1, 2019	
80413	58	<input type="checkbox"/>	Structural Timber	Aug. 1, 2019	
80397	59	<input type="checkbox"/>	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	60	<input checked="" type="checkbox"/>	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
* 80435	61	<input type="checkbox"/>	Surface Testing of Pavements – IRI	Jan. 1, 2021	
80298	62	<input type="checkbox"/>	Temporary Pavement Marking	April 1, 2012	April 1, 2017
80409	63	<input checked="" type="checkbox"/>	Traffic Control Devices - Cones	Jan. 1, 2019	
80410	64	<input type="checkbox"/>	Traffic Spotters	Jan. 1, 2019	
20338	65	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	
80318	66	<input type="checkbox"/>	Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
80429	67	<input type="checkbox"/>	Ultra-Thin Bonded Wearing Course	April 1, 2020	
80288	68	<input type="checkbox"/>	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	69	<input type="checkbox"/>	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80414	70	<input type="checkbox"/>	Wood Fence Sight Screen	Aug. 1, 2019	April 1, 2020
80427	71	<input checked="" type="checkbox"/>	Work Zone Traffic Control Devices	Mar. 2, 2020	
80071	72	<input type="checkbox"/>	Working Days	Jan. 1, 2002	

The following special provisions are in the 2021 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80277	Concrete Mix Design – Department Provided	Check Sheet #37	Jan. 1, 2012	April 1, 2016
80405	Elastomeric Bearings	Article 1083.01	Jan. 1, 2019	
80388	Equipment Parking and Storage	Article 701.11	Nov. 1, 2017	
80165	Moisture Cured Urethane Paint System	Article 1008.06	Nov. 1, 2006	Jan. 1, 2010
80349	Pavement Marking Blackout Tape	Articles 701.04, 701.19(f), 701.20(j) and 1095.06	Nov. 1, 2014	April 1, 2016
80371	Pavement Marking Removal	Articles 783.02-783.04, 783.06 and 1101.13	July 1, 2016	
80389	Portland Cement Concrete	Article 1020.04 Table 1 and Note 4	Nov. 1, 2017	
80403	Traffic Barrier Terminal, Type 1 Special	Articles 631.04 and 631.12	Nov. 1, 2018	

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80317	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	Aug. 1, 2019

The following special provisions require additional information from the designer. The additional information needs to be submitted as a separate document. The Project Coordination and Implementation section will then include the information in the applicable special provision.

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal – Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

AGGREGATE SUBGRADE IMPROVEMENT (BDE)

Effective: April 1, 2012

Revised: April 1, 2016

Add the following Section to the Standard Specifications:

"SECTION 303. AGGREGATE SUBGRADE IMPROVEMENT

303.01 Description. This work shall consist of constructing an aggregate subgrade improvement.

303.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.07
(b) Reclaimed Asphalt Pavement (RAP) (Notes 1, 2, and 3)	1031

Note 1. Crushed RAP, from either full depth or single lift removal, may be mechanically blended with aggregate gradations CS 01, CS 02, and RR 01 but shall not exceed 40 percent of the total product. The top size of the RAP shall be less than 4 in. (100 mm) and well graded.

Note 2. RAP having 100 percent passing the 1 1/2 in. (37.5 mm) sieve and being well graded, may be used as capping aggregate in the top 3 in. (75 mm) when aggregate gradations CS 01, CS 02, or RR 01 are used in lower lifts.

Note 3. The RAP used for aggregate subgrade improvement shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

303.03 Equipment. The vibratory machine shall be according to Article 1101.01, or as approved by the Engineer.

303.04 Soil Preparation. The stability of the soil shall be according to the Department's Subgrade Stability Manual for the aggregate thickness specified.

303.05 Placing Aggregate. The maximum nominal lift thickness of aggregate gradations CA 02, CA 06, or CA 10 shall be 12 in. (300 mm). The maximum nominal lift thickness of aggregate gradations CS 01, CS 02, and RR 01 shall be 24 in. (600 mm).

303.06 Capping Aggregate. The top surface of the aggregate subgrade shall consist of a minimum 3 in. (75 mm) of aggregate gradations CA 06 or CA 10. When the contract specifies that a granular subbase is to be placed on the aggregate subgrade improvement, the 3 in. (75 mm) of capping aggregate shall be the same gradation and may be placed with the underlying aggregate subgrade improvement material.

303.07 Compaction. All aggregate lifts shall be compacted to the satisfaction of the Engineer. If the moisture content of the material is such that compaction cannot be obtained, sufficient water shall be added so that satisfactory compaction can be obtained.

303.08 Finishing and Maintenance of Aggregate Subgrade Improvement. The aggregate subgrade improvement shall be finished to the lines, grades, and cross sections shown on the plans, or as directed by the Engineer. The aggregate subgrade improvement shall be maintained in a smooth and compacted condition.

303.09 Method of Measurement. This work will be measured for payment according to Article 311.08.

303.10 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) or ton (metric ton) for AGGREGATE SUBGRADE IMPROVEMENT or at the contract unit price per square yard (square meter) for AGGREGATE SUBGRADE IMPROVEMENT, of the thickness specified."

Add the following to Section 1004 of the Standard Specifications:

"1004.07 Coarse Aggregate for Aggregate Subgrade Improvement. The aggregate shall be according to Article 1004.01 and the following.

- (a) Description. The coarse aggregate shall be crushed gravel, crushed stone, or crushed concrete. In applications where greater than 24 in. (600 mm) of subgrade material is required, gravel may be used below the first 12 in (300 mm) of subgrade.
- (b) Quality. The coarse aggregate shall consist of sound durable particles reasonably free of deleterious materials.
- (c) Gradation.
 - (1) The coarse aggregate gradation for total subgrade thickness less than or equal to 12 in. (300 mm) shall be CA 2, CA 6, CA 10, or CS 01.

The coarse aggregate gradation for total subgrade thickness more than 12 in. (300 mm) shall be CS 01 or CS 02 as shown below or RR 01 according to Article 1005.01(c).

COARSE AGGREGATE SUBGRADE GRADATIONS					
Grad No.	Sieve Size and Percent Passing				
	8"	6"	4"	2"	#4
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 02		100	80 ± 10	25 ± 15	

COARSE AGGREGATE SUBGRADE GRADATIONS (Metric)					
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Grad No.	Sieve Size and Percent Passing				
	200 mm	150 mm	100 mm	50 mm	4.75 mm
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 02		100	80 ± 10	25 ± 15	

- (2) The 3 in. (75 mm) capping aggregate shall be gradation CA 6 or CA 10."

80274

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

Revise Article 107.40(c) of the Standard Specifications to read:

“(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

- "(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited.”

Add the following to Section 109 of the Standard Specifications.

“109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

DISPOSAL FEES (BDE)

Effective: November 1, 2018

Replace Articles 109.04(b)(5) – 109.04(b)(8) of the Standard Specifications with the following:

- “(5) Disposal Fees. When the extra work performed includes paying for disposal fees at a clean construction and demolition debris facility, an uncontaminated soil fill operation or a landfill, the Contractor shall receive, as administrative costs, an amount equal to five percent of the first \$10,000 and one percent of any amount over \$10,000 of the total approved costs of such fees.
- (6) Miscellaneous. No additional allowance will be made for general superintendence, the use of small tools, or other costs for which no specific allowance is herein provided.
- (7) Statements. No payment will be made for work performed on a force account basis until the Contractor has furnished the Engineer with itemized statements of the cost of such force account work. Statements shall be accompanied and supported by invoices for all materials used and transportation charges. However, if materials used on the force account work are not specifically purchased for such work but are taken from the Contractor's stock, then in lieu of the invoices, the Contractor shall furnish an affidavit certifying that such materials were taken from his/her stock, that the quantity claimed was actually used, and that the price and transportation claimed represent the actual cost to the Contractor.

Itemized statements at the cost of force account work shall be detailed as follows.

- a. Name, classification, date, daily hours, total hours, rate, and extension for each laborer and foreman. Payrolls shall be submitted to substantiate actual wages paid if so requested by the Engineer.
 - b. Designation, dates, daily hours, total hours, rental rate, and extension for each unit of machinery and equipment.
 - c. Quantities of materials, prices and extensions.
 - d. Transportation of materials.
 - e. Cost of property damage, liability and workmen's compensation insurance premiums, unemployment insurance contributions, and social security tax.
- (8) Work Performed by an Approved Subcontractor. When extra work is performed by an approved subcontractor, the Contractor shall receive, as administrative costs, an amount equal to five percent of the total approved costs of such work with the minimum payment being \$100.

- (9) All statements of the cost of force account work shall be furnished to the Engineer not later than 60 days after receipt of the Central Bureau of Construction form "Extra Work Daily Report". If the statement is not received within the specified time frame, all demands for payment for the extra work are waived and the Department is released from any and all such demands. It is the responsibility of the Contractor to ensure that all statements are received within the specified time regardless of the manner or method of delivery."

80402

EMULSIFIED ASPHALTS (BDE)

Effective: August 1, 2019

Revise Article 1032.06 of the Standard Specifications to read:

“1032.06 Emulsified Asphalts. Emulsified asphalts will be accepted according to the current Bureau of Materials Policy Memorandum, “Emulsified Asphalt Acceptance Procedure”. These materials shall be homogeneous and shall show no separation of asphalt after thorough mixing, within 30 days after delivery, provided separation has not been caused by freezing. They shall coat the aggregate being used in the work to the satisfaction of the Engineer and shall be according to the following requirements.

- (a) Anionic Emulsified Asphalt. Anionic emulsified asphalts RS-1, RS-2, HFRS-2, SS-1h, and SS-1 shall be according to AASHTO M 140, except as follows.

- (1) The cement mixing test will be waived when the emulsion is being used as a tack coat.
- (2) The Solubility in Trichloroethylene test according to AASHTO T 44 may be run in lieu of Ash Content and shall meet a minimum of 97.5 percent.

- (b) Cationic Emulsified Asphalt. Cationic emulsified asphalts CRS-1, CRS-2, CSS-1h, and CSS-1 shall be according to AASHTO M 208, except as follows.

- (1) The cement mixing test will be waived when the emulsion is being used as a tack coat.
- (2) The Solubility in Trichloroethylene test according to AASHTO T 44 may be run in lieu of Ash Content and shall meet a minimum of 97.5 percent.

- (c) High Float Emulsion. High float emulsions HFE-90, HFE-150, and HFE-300 are medium setting and shall be according to the following table.

Test	HFE-90	HFE-150	HFE-300
Viscosity, Saybolt Furol, at 122 °F (50 °C), (AASHTO T 59), SFS ^{1/}	50 min.	50 min.	50 min.
Sieve Test, No. 20 (850 µm), retained on sieve, (AASHTO T 59), %	0.10 max.	0.10 max.	0.10 max.
Storage Stability Test, 1 day, (AASHTO T 59), %	1 max.	1 max.	1 max.
Coating Test (All Grades), (AASHTO T 59), 3 minutes	stone coated thoroughly		
Distillation Test, (AASHTO T 59): Residue from distillation test to 500 °F (260 °C), % Oil distillate by volume, %	65 min. 7 max.	65 min. 7 max.	65 min. 7 max.

Characteristics of residue from distillation test to 500 °F (260 °C): Penetration at 77 °F (25 °C), (AASHTO T 49), 100 g, 5 sec, dmm	90-150	150-300	300 min.
Float Test at 140 °F (60 °C), (AASHTO T 50), sec.	1200 min.	1200 min.	1200 min.

1/ The emulsion shall be pumpable.

- (d) Penetrating Emulsified Prime. Penetrating Emulsified Prime (PEP) shall be according to AASHTO T 59, except as follows.

Test	Result
Viscosity, Saybolt Furol, at 77 °F (25 °C), SFS	75 max.
Sieve test, retained on No. 20 (850 µm) sieve, %	0.10 max.
Distillation to 500 °F (260 °C) residue, %	38 min.
Oil distillate by volume, %	4 max.

The PEP shall be tested according to the current Bureau of Materials Illinois Laboratory Test Procedure (ILTP), "Sand Penetration Test of Penetrating Emulsified Prime (PEP)". The time of penetration shall be equal to or less than that of MC-30. The depth of penetration shall be equal to or greater than that of MC-30.

- (e) Delete this subparagraph.

- (f) Polymer Modified Emulsified Asphalt. Polymer modified emulsified asphalts, e.g. SS-1hP, CSS-1hP, CRS-2P (formerly CRSP), CQS-1hP (formerly CSS-1h Latex Modified) and HFRS-2P (formerly HFP) shall be according to AASHTO M 316, except as follows.

- (1) The cement mixing test will be waived when the polymer modified emulsion is being used as a tack coat.
- (2) CQS-1hP (formerly CSS-1h Latex Modified) emulsion for micro-surfacing treatments shall use latex as the modifier.
- (3) Upon examination of the storage stability test cylinder after standing undisturbed for 24 hours, the surface shall show minimal to no white, milky colored substance and shall be a homogenous brown color throughout.
- (4) The distillation for all polymer modified emulsions shall be performed according to AASHTO T 59, except the temperature shall be 374 ± 9 °F (190 ± 5 °C) to be held for a period of 15 minutes and measured using an ASTM 16F (16C) thermometer.
- (5) The specified temperature for the Elastic Recovery test for all polymer modified emulsions shall be 50.0 ± 1.0 °F (10.0 ± 0.5 °C).

(6) The Solubility in Trichloroethylene test according to AASHTO T 44 may be run in lieu of Ash Content and shall meet a minimum of 97.5 percent.

(g) Non-Tracking Emulsified Asphalt. Non-tracking emulsified asphalt NTEA (formerly SS-1vh) shall be according to the following.

Test	Requirement
Saybolt Viscosity at 77 °F (25 °C), (AASHTO T 59), SFS	20-100
Storage Stability Test, 24 hr, (AASHTO T 59), %	1 max.
Residue by Distillation, 500 ± 10 °F (260 ± 5 °C), or Residue by Evaporation, 325 ± 5 °F (163 ± 3 °C), (AASHTO T 59), %	50 min.
Sieve Test, No. 20 (850 µm), (AASHTO T 59), %	0.3 max.
Tests on Residue from Evaporation	
Penetration at 77 °F (25 °C), 100 g, 5 sec, (AASHTO T 49), dmm	40 max.
Softening Point, (AASHTO T 53), °F (°C)	135 (57) min.
Ash Content, (AASHTO T 111), % ^{1/}	1 max.

1/ The Solubility in Trichloroethylene test according to AASHTO T 44 may be run in lieu of Ash Content and shall meet a minimum of 97.5 percent

The different grades are, in general, used for the following.

Grade	Use
SS-1, SS-1h, RS-1, RS-2, CSS-1, CRS-1, CRS-2, CSS-1h, HFE-90, SS-1hP, CSS-1hP, NTEA (formerly SS-1vh)	Tack Coat
PEP	Prime Coat
RS-2, HFE-90, HFE-150, HFE-300, CRS-2P (formerly CRSP), HFRS-2P (formerly HFP), CRS-2, HFRS-2	Bituminous Surface Treatment
CQS-1hP (formerly CSS-1h Latex Modified)	Micro-Surfacing Slurry Sealing Cape Seal™

HOT-MIX ASPHALT – BINDER AND SURFACE COURSE (BDE)

Effective: July 2, 2019

Revised: November 1, 2019

Description. This work shall consist of constructing a hot-mix asphalt (HMA) binder and/or surface course on a prepared base. Work shall be according to Sections 406 and 1030 of the Standard Specifications, except as modified herein.

Materials. Add the following after the second paragraph of Article 1003.03(c):

“For mixture IL-9.5FG, at least 67 percent of the required fine aggregate fraction shall consist of either stone sand, slag sand, steel slag sand, or combinations thereof meeting FA 20 gradation.”

Revise Article 1004.03(c) to read:

“(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
HMA High ESAL	IL-19.0	CA 11 ^{1/}
	SMA 12.5 ^{2/}	CA 13, CA 14, or CA 16
	SMA 9.5 ^{2/}	CA 13 or CA 16 ^{3/}
	IL-9.5	CA 16
	IL-9.5FG	CA 16
HMA Low ESAL	IL-19.0L	CA 11 ^{1/}
	IL-9.5L	CA 16

1/ CA 16 or CA 13 may be blended with the CA 11.

2/ The coarse aggregates used shall be capable of being combined with stone sand, slag sand, or steel slag sand meeting the FA/FM 20 gradation and mineral filler to meet the approved mix design and the mix requirements noted herein.

3/ The specified coarse aggregate gradations may be blended.”

HMA Nomenclature. Revise the “High ESAL” portion of the table in Article 1030.01 to read:

“High ESAL	Binder Courses	IL-19.0, IL-9.5, IL-9.5FG, IL-4.75, SMA 12.5, SMA 9.5
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	Surface Courses	IL-9.5, IL-9.5FG, SMA 12.5, SMA 9.5"
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Mixture Design. Revise the table in Article 1030.04(a)(1) and add SMA 9.5 and IL-9.5FG mixture compositions as follows:

"HIGH ESAL, MIXTURE COMPOSITION (% PASSING) ^{1/}						
Sieve Size	SMA 12.5 ^{5/}		SMA 9.5 ^{5/}		IL-9.5FG	
	min.	max.	min.	max.	min.	max.
1 in. (25 mm)						
3/4 in. (19 mm)		100		100		
1/2 in. (12.5 mm)	90	99	95	100		100
3/8 in. (9.5 mm)	50	85	70	95	90	100
#4 4.75 mm)	20	40	30	50	60	75
#8 (2.36 mm)	16	24 ^{4/}	20	30	45	60
#16 (1.18 mm)				21	25	40
#30 (600 μ m)				18	15	30
#50 (300 μ m)				15	8	15
#100 (150 μ m)					6	10
#200 (75 μ m)	8.0	11.0 ^{3/}	8.0	11.0 ^{3/}	4.0	6.5
#635 (20 μ m)		≤ 3.0		≤ 3.0		
Ratio of Dust/Asphalt Binder						1.0

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

- 3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.
- 4/ When establishing the adjusted job mix formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above 24 percent.
- 5/ When the bulk specific gravity (Gsb) of the component aggregates vary by more than 0.2, the blend gradations shall be based on volumetric percentage."

Revise the table in Article 1030.04(b)(1) to read:

"VOLUMETRIC REQUIREMENTS, High ESAL				
Ndesign	Voids in the Mineral Aggregate (VMA), % minimum			Voids Filled with Asphalt Binder (VFA), %
	IL-19.0	IL-9.5 IL-9.5FG	IL-4.75 ^{1/}	
50	13.5	15.0	18.5	65 - 78 ^{2/}
70				65 - 75 ^{3/}
90				

1/ Maximum draindown for IL-4.75 shall be 0.3 percent.

2/ VFA for IL-4.75 shall be 76-83 percent.

3/ VFA for IL-9.5FG shall be 65-78 percent."

Revise the table in Article 1030.04(b)(3) to read:

"VOLUMETRIC REQUIREMENTS, SMA 12.5 ^{1/} and SMA 9.5 ^{1/}				
ESALs (million)	Ndesign	Design Air Voids Target, %	Voids in the Mineral Aggregate (VMA), % min.	Voids Filled with Asphalt (VFA), %
≤ 10	50	4.0	16.0	75 - 80
> 10	80	4.0	17.0	75 - 80

1/ Maximum draindown shall be 0.3 percent."

Quality Control/Quality Assurance (QC/QA). Revise the third paragraph of Article 1030.05(d)(3) to read:

"If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the

QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure."

Add the following paragraphs to the end of Article 1030.05(d)(3):

"Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 4 in. (100 mm), from each pavement edge (i.e. for a 5 in. (125 mm) lift the near edge of the density gauge or core barrel shall be within 5 in. (125 mm) from the edge of pavement). Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

- a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.
- b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced 10 ft (3 m) apart longitudinally along the unconfined pavement edge and centered at the random density test location.

When a longitudinal joint sealant (LJS) is applied, longitudinal joint density testing will not be required on the joint(s) sealed."

Revise the second table in Article 1030.05(d)(4) and its notes to read:

"DENSITY CONTROL LIMITS			
Mixture Composition	Parameter	Individual Test (includes confined edges)	Unconfined Edge Joint Density, minimum
IL-4.75	Ndesign = 50	93.0 – 97.4 % ^{1/}	91.0%
IL-9.5FG	Ndesign = 50 - 90	93.0 – 97.4 %	91.0%
IL-9.5	Ndesign = 90	92.0 – 96.0 %	90.0%
IL-9.5, IL-9.5L,	Ndesign < 90	92.5 – 97.4 %	90.0%
IL-19.0	Ndesign = 90	93.0 – 96.0 %	90.0%
IL-19.0, IL-19.0L	Ndesign < 90	93.0 ^{2/} – 97.4 %	90.0%
SMA	Ndesign = 50 or 80	93.5 – 97.4 %	91.0%

1/ Density shall be determined by cores or by correlated, approved thin lift nuclear gauge.

2/ 92.0 % when placed as first lift on an unimproved subgrade.”

Equipment. Add the following to Article 1101.01 of the Standard Specifications:

“(h) Oscillatory Roller. The oscillatory roller shall be self-propelled and provide a smooth operation when starting, stopping, or reversing directions. The oscillatory roller shall be able to operate in a mode that will provide tangential impact force with or without vertical impact force by using at least one drum. The oscillatory roller shall be equipped with water tanks and sprinkling devices, or other approved methods, which shall be used to wet the drums to prevent material pickup. The drum(s) amplitude and frequency of the tangential and vertical impact force shall be approximately the same in each direction and meet the following requirements:

- (1) The minimum diameter of the drum(s) shall be 42 in. (1070 mm);
- (2) The minimum length of the drum(s) shall be 57 in. (1480 mm);
- (3) The minimum unit static force on the drum(s) shall be 125 lb/in. (22 N/m); and
- (4) The minimum force on the oscillatory drum shall be 18,000 lb (80 kN).”

CONSTRUCTION REQUIREMENTS

Add the following to Article 406.03 of the Standard Specifications:

“(j) Oscillatory Roller 1101.01”

Revise the third paragraph of Article 406.05(a) to read:

“All depressions of 1 in. (25 mm) or more in the surface of the existing pavement shall be filled with binder. At locations where heavy disintegration and deep spalling exists, the area shall be cleaned of all loose and unsound material, tacked, and filled with binder (hand method).”

Revise Article 406.05(c) to read.

“(c) Binder (Hand Method). Binder placed other than with a finishing machine will be designated as binder (hand method) and shall be compacted with a roller to the satisfaction of the Engineer. Hand tamping will be permitted when approved by the Engineer.”

Revise the special conditions for mixture IL-4.75 in Article 406.06(b)(2)e. to read:

“e. The mixture shall be overlaid within 5 days of being placed.”

Revise Article 406.06(d) to read:

“(d) Lift Thickness. The minimum compacted lift thickness for HMA binder and surface courses shall be as follows.

MINIMUM COMPACTED LIFT THICKNESS	
Mixture Composition	Thickness, in. (mm)
IL-4.75	3/4 (19) - over HMA surfaces ^{1/} 1 (25) - over PCC surfaces ^{1/}
IL-9.5FG	1 1/4 (32)
IL-9.5, IL-9.5L	1 1/2 (38)
SMA 9.5	1 1/2 (38)
SMA 12.5	2 (51)
IL-19.0, IL-19.0L	2 1/4 (57)

1/ The maximum compacted lift thickness for mixture IL-4.75 shall be 1 1/4 in. (32 mm).”

Revise Table 1 and Note 3/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

“TABLE 1 - MINIMUM ROLLER REQUIREMENTS FOR HMA				
	Breakdown Roller (one of the following)	Intermediate Roller	Final Roller (one or more of the following)	Density Requirement
Binder and Surface ^{1/}	V _D , P ^{3/} , T _B , 3W, O _T , O _B	P ^{3/} , O _T , O _B	V _S , T _B , T _F , O _T	As specified in Articles: 1030.05(d)(3), (d)(4), and (d)(7).
IL-4.75 and SMA ^{4/ 5/}	T _B , 3W, O _T	- -	T _F , 3W, O _T	
Bridge Decks ^{2/}	T _B	- -	T _F	As specified in Articles 582.05 and 582.06.

3/ A vibratory roller (V_D) or oscillatory roller (O_T or O_B) may be used in lieu of the pneumatic-tired roller on mixtures containing polymer modified asphalt binder.”

Add the following to EQUIPMENT DEFINITION in Article 406.07(a) contained in the Errata of the Supplemental Specifications:

"O_T - Oscillatory roller, tangential impact mode. Maximum speed is 3.0 mph (4.8 km/h) or 264 ft/min (80 m/min).

O_B - Oscillatory roller, tangential and vertical impact mode, operated at a speed to produce not less than 10 vertical impacts/ft (30 impacts/m)."

Basis of Payment. Replace the second through the fifth paragraphs of Article 406.14 with the following:

"HMA binder and surface courses will be paid for at the contract unit price per ton (metric ton) for MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS; HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), of the Ndesign specified; HOT-MIX ASPHALT BINDER COURSE, of the mixture composition and Ndesign specified; HOT-MIX ASPHALT SURFACE COURSE, of the mixture composition, friction aggregate, and Ndesign specified; POLYMERIZED HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), of the Ndesign specified; POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, of the mixture composition and Ndesign specified; POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, of the mixture composition, friction aggregate, and Ndesign specified; POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, of the mixture composition and Ndesign specified; POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, of the mixture composition, friction aggregate, and Ndesign specified."

HOT-MIX ASPHALT – LONGITUDINAL JOINT SEALANT (BDE)

Effective: August 1, 2018

Revised: November 1, 2019

Add the following to Article 406.02 of the Standard Specifications.

“(d) Longitudinal Joint Sealant (LJS)1032”

Add the following to Article 406.03 of the Standard Specifications.

“(k) Longitudinal Joint Sealant (LJS) Pressure Distributor (Note 2)

(l) Longitudinal Joint Sealant (LJS) Melter Kettle (Note 3)

Note 2. When a pressure distributor is used to apply the LJS, the distributor shall be equipped with a heating and recirculating system along with a functioning auger agitating system or vertical shaft mixer in the hauling tank to prevent localized overheating. The distributor shall be equipped with a guide or laser system to aid in proper placement of the LJS application.

Note 3. When a melter kettle is used to transport and apply the LJS, the melter kettle shall be an oil jacketed double-boiler with agitating and recirculating systems. Material from the kettle may be dispensed through a pressure feed wand with an applicator shoe or through a pressure feed wand into a hand-operated thermal push cart.”

Revise Article 406.06(g)(2) of the Standard Specifications to read:

“(2) Longitudinal Joints. Unless prohibited by stage construction, any HMA lift shall be complete before construction of the subsequent lift. The longitudinal joint in all lifts shall be at the centerline of the pavement if the roadway comprises two lanes in width, or at lane width if the roadway is more than two lanes in width.

When stage construction prohibits the total completion of a particular lift, the longitudinal joint in one lift shall be offset from the longitudinal joint in the preceding lift by not less than 3 in. (75 mm). The longitudinal joint in the surface course shall be at the centerline of the pavement if the roadway comprises two lanes in width, or at lane width if the roadway is more than two lanes in width.

A notched wedge longitudinal joint shall be used between successive passes of HMA binder course that has a difference in elevation of greater than 2 in. (50 mm) between lanes on pavement that is open to traffic.

The notched wedge longitudinal joint shall consist of a 1 to 1 1/2 in. (25 to 38 mm) vertical notch at the lane line, a 9 to 12 in. (230 to 300 mm) wide uniform taper sloped toward and extending into the open lane, and a second 1 to 1 1/2 in. (25 to 38 mm) vertical notch at the outside edge.

The notched wedge longitudinal joint shall be formed by the strike off device on the paver. The wedge shall then be compacted by the joint roller.

Tack coat shall be applied to the entire surface of the notched wedge joint immediately prior to placing the adjacent lift of binder. The material shall be uniformly applied at a rate of 0.05 to 0.1 gal/sq yd (0.2 to 0.5 L/sq m).

When the use of longitudinal joint sealant (LJS) is specified, the surface to which the LJS is applied shall be thoroughly cleaned and dry. The LJS may be placed before or after the tack coat. When placed after the tack coat, the tack shall be fully cured prior to placement of the LJS.

The LJS shall be applied in a single pass with a pressure distributor, melter kettle, or hand applied from a roll. At the time of installation, the pavement surface temperature and the ambient temperature shall be a minimum of 40 °F (4 °C) and rising.

The LJS shall be applied at a width of 18 in. (450 mm) \pm 1 1/2 in. (38 mm) and centered \pm 2 in. (\pm 50 mm) under the joint of the next HMA lift to be constructed. If the LJS flows more than 2 in. (50 mm) from the initial placement width, LJS placement shall stop and remedial action shall be taken.

When starting another run of LJS placement, suitable release paper shall be placed over the previous application of LJS to prevent doubling up of thickness of LJS.

The application rate of LJS shall be according to the following.

LJS Application Table			
Overlay Thickness in. (mm)	Coarse Graded Application Rate ^{1/} (IL-19.0, IL-19.0L, IL-9.5, IL-9.5L, IL-4.75) lb/ft (kg/m)	Fine Graded Application Rate ^{1/} lb/ft (kg/m)	SMA Mixtures ^{1/2/}
3/4 (19)	0.88 (1.31)		
1 (25)	1.15 (1.71)		
1 1/4 (32)	1.31 (1.95)	0.88 (1.31)	
1 1/2 (38)	1.47 (2.19)	0.95 (1.42)	1.26 (1.88)
1 3/4 (44)	1.63 (2.43)	1.03 (1.54)	1.38 (2.06)
2 (50)	1.80 (2.68)	1.11 (1.65)	1.51 (2.25)
\geq 2 1/4 (60)	1.96 (2.92)		

^{1/} The application rate has a surface demand for liquid included within it. The thickness of the LJS may taper from the center of the application to a lesser thickness on the edge of the application, provided the correct width and application rate are maintained.

2/ If the joint is between SMA and either Coarse Graded or Fine Graded, the SMA rate shall be used.

The Contractor shall furnish to the Engineer a bill of lading for each tanker supplying material to the project. The application rate of LJS shall be verified within the first 1000 ft (300 m) of the day's placement and every 12,000 ft (3600 m) thereafter. A suitable paper or pan shall be placed at a random location in the path of the LJS. After application of the LJS, the paper or pan shall be picked up, weighed, and the application rate calculated. The tolerance between the application rate shown in the LJS Application Table and the calculated rate shall be ± 10 percent. The LJS shall be replaced in the area where the sample was taken.

A 1 qt (1 L) sample shall be taken from the pressure distributor or melting kettle at the jobsite once for each contract and sent to the Central Bureau of Materials.

The LJS shall be suitable for construction traffic to drive on without pickup or tracking of the LJS within 30 minutes of placement. If pickup or tracking occurs, LJS placement shall stop and damaged areas shall be repaired.

Prior to paving, the Contractor shall ensure the paver end plate and grade control device is adequately raised above the finished height of the LJS.

The LJS shall not flush to the final surface of the HMA pavement."

Add the following paragraph after the second paragraph of Article 406.13(b) of the Standard Specifications.

"Application of longitudinal joint sealant (LJS) will be measured for payment in place in feet (meters)."

Add the following paragraph after the first paragraph of Article 406.14 of the Standard Specifications.

"Longitudinal joint sealant will be paid for at the contract unit price per foot (meter) for LONGITUDINAL JOINT SEALANT."

Add the following to Section 1032 of the Standard Specifications.

"1032.12 Longitudinal Joint Sealant (LJS). Longitudinal joint sealant (LJS) will be accepted according to the current Bureau of Materials and Physical Research Policy Memorandum, "Performance Graded Asphalt Binder Acceptance Procedure" with the following exceptions: Article 3.1.9 and 3.4.1.4 of the policy memorandum will be excluded. The bituminous material used for the LJS shall be according to the following table. Elastomers shall be added to a base asphalt and shall be either a styrene-butadiene diblock or triblock copolymer without oil extension, or a styrene-butadiene rubber. Air blown asphalt, acid modification, or other modifiers will not be allowed. LJS in the form of pre-formed rollout banding may also be used.

Test	Test Requirement	Test Method
Dynamic shear @ 88°C (unaged), G*/sin δ, kPa	1.00 min.	AASHTO T 315
Creep stiffness @ -18°C (unaged), Stiffness (S), MPa m-value	300 max. 0.300 min.	AASHTO T 313
Ash, %	1.0 – 4.0	AASHTO T 111
Elastic Recovery, 100 mm elongation, cut immediately, 25°C, %	70 min.	ASTM D 6084 (Procedure A)
Separation of Polymer, Difference in °C of the softening point (ring and ball)	3 max.	ITP Separation of Polymer from Asphalt Binder"

80398

MOBILIZATION (BDE)

Effective: April 1, 2020

Replace Articles 671.02(a), (b), and (c) of the Standard Specifications with the following:

- “(a) Upon execution of the contract, 90 percent of the pay item will be paid.
- (b) When 90 percent of the adjusted contract value is earned, the remaining ten percent of the pay item will be paid along with any amount bid in excess of six percent of the original contract amount.”

80428

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (BDE)

Effective: November 1, 2012

Revised: January 2, 2021

Revise Section 1031 of the Standard Specifications to read:

"SECTION 1031. RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES

1031.01 Description. Reclaimed asphalt pavement and reclaimed asphalt shingles shall be according to the following.

- (a) Reclaimed Asphalt Pavement (RAP). RAP is the material produced by cold milling or crushing an existing hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.
- (b) Reclaimed Asphalt Shingles (RAS). RAS is the material produced from the processing and grinding of preconsumer or post-consumer shingles. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable material by weight of RAS, as defined in the Bureau of Materials Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Sources". RAS shall come from a facility source on the Department's "Qualified Producer List of Certified Sources for Reclaimed Asphalt Shingles" where it shall be ground and processed to 100 percent passing the 3/8 in. (9.5 mm) sieve and 93 percent passing the #4 (4.75 mm) sieve based on a dry shake gradation. RAS shall be uniform in gradation and asphalt binder content and shall meet the testing requirements specified herein. In addition, RAS shall meet the following Type 1 or Type 2 requirements.
 - (1) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.
 - (2) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

1031.02 Stockpiles. RAP and RAS stockpiles shall be according to the following.

- (a) RAP Stockpiles. The Contractor shall construct individual RAP stockpiles meeting one of the following definitions. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. "Homogeneous Surface").

Prior to milling, the Contractor shall request the Department provide documentation on the quality of the RAP to clarify the appropriate stockpile.

- (1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the No. 4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP in the coarse fraction shall pass the maximum sieve size specified for the mixture composition of the mix design.
- (2) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures and represent: 1) the same aggregate quality, but shall be at least C quality; 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag); 3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogeneous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.
- (3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. Conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag.
- (4) Conglomerate "D" Quality (Conglomerate DQ). Conglomerate DQ RAP stockpiles shall be according to Articles 1031.02(a)(1)-1031.02(a)(3), except they may also consist of RAP from HMA shoulders, bituminous stabilized subbases, or HMA (High or Low ESAL) binder mixture. The coarse aggregate in this RAP may be crushed or round but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content.
- (5) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, non-bituminous surface treatment (i.e. high friction surface treatments), pavement fabric, joint sealants, plant cleanout, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

- (b) RAS Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present.

Unless otherwise specified by the Engineer, mechanically blending manufactured sand (FM 20 or FM 22) or fine FRAP up to an equal weight of RAS with the processed RAS will be permitted to improve workability. The sand shall be B quality or better from an

approved Aggregate Gradation Control System source. The sand shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type, and lot number shall be maintained by project contract number and kept for a minimum of three years.

Additional processed RAP/FRAP/RAS shall be stockpiled in a separate working pile, as designated in the QC Plan, and only added to the original stockpile after the test results for the working pile are found to meet the requirements specified in Articles 1031.03 and 1031.04.

1031.03 Testing. RAP/FRAP and RAS testing shall be according to the following.

(a) RAP/FRAP Testing. When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

(1) During Stockpiling. For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2,000 tons (1,800 metric tons) and one sample per 2,000 tons (1,800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4,000 tons (3,600 metric tons).

(2) After Stockpiling. For testing after stockpiling, the Contractor shall submit a plan for approval to the Department proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Each sample shall be split to obtain two equal samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall perform a washed extraction on the other test sample according to Illinois Modified AASHTO T 164. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

(b) RAS Testing. RAS or RAS blended with manufactured sand shall be sampled and tested during stockpiling according to the Bureau of Materials Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Source".

Samples shall be collected during stockpiling at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1,000 tons (900 metric tons) and one sample per 500 tons (450 metric tons) or a minimum of once per week, whichever is more frequent, thereafter. A minimum of five samples are required for stockpiles less than 1,000 tons (900 metric tons).

Before testing, each sample shall be split to obtain two test samples. One of the two test samples from the final split shall be labeled and stored for Department use. The

Contractor shall perform a washed extraction and test for unacceptable materials on the other test sample according to Illinois Modified AASHTO T 164. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

The Contractor shall obtain and make available all of the test results from the start of the original stockpile.

1031.04 Evaluation of Tests. Evaluation of test results shall be according to the following.

- (a) Limits of Precision. The limits of precision between the Contractor's and the Department's split sample test results shall be according to the following.

Test Parameter	Limits of Precision		
	RAP	FRAP	RAS
% Passing			
1/2 in. (12.5 mm)	6.0 %	5.0 %	
# 4 (4.75 mm)	6.0 %	5.0 %	
# 8 (2.36 mm)	4.0 %	3.0 %	4.0 %
# 30 (600 μ m)	3.0 %	2.0 %	4.0 %
# 200 (75 μ m)	2.5 %	2.2 %	4.0 %
Asphalt Binder	0.4 %	0.3 %	3.0 %
G _{mm}	0.035	0.030	

If the test results are outside the above limits of precision, the Department will immediately investigate.

- (b) Evaluation of RAP/FRAP Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation, and when applicable G_{mm}. Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	FRAP/Homogeneous/ Conglomerate
1 in. (25 mm)	
1/2 in. (12.5 mm)	± 8 %
# 4 (4.75 mm)	± 6 %
# 8 (2.36 mm)	± 5 %
# 16 (1.18 mm)	
# 30 (600 μ m)	± 5 %
# 200 (75 μ m)	± 2.0 %
Asphalt Binder	± 0.4 % ^{1/}
G _{mm}	± 0.03 ^{2/}

1/ The tolerance for FRAP shall be ± 0.3 percent.

- 2/ For stockpile with slag or steel slag present as determined in the current Manual of Test Procedures Appendix B 21, "Determination of Aggregate Bulk (Dry) Specific Gravity (G_{sb}) of Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)".

If more than 20 percent of the test results for an individual parameter (individual sieves, G_{mm} , and/or asphalt binder content) are out of the above tolerances, the RAP/FRAP shall not be used in HMA unless the RAP/FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the Department for evaluation.

With the approval of the Engineer, the ignition oven may be substituted for solvent extractions according to the document "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

- (c) Evaluation of RAS and RAS Blended with Manufactured Sand or Fine FRAP Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content and gradation. Individual test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAS
# 8 (2.36 mm)	$\pm 5 \%$
# 16 (1.18 mm)	$\pm 5 \%$
# 30 (600 μm)	$\pm 4 \%$
# 200 (75 μm)	$\pm 2.5 \%$
Asphalt Binder Content	$\pm 2.0 \%$

If more than 20 percent of the test results for an individual parameter (individual sieves and/or asphalt binder content) are out of the above tolerances, or if the unacceptable material exceeds 0.5 percent by weight of material retained on the No. 4 (4.75 mm) sieve, the RAS or RAS blend shall not be used in Department projects. All test data and acceptance ranges shall be sent to the Department for evaluation.

1031.05 Quality Designation of Aggregate in RAP/FRAP.

- (a) RAP. The aggregate quality of the RAP for homogeneous, conglomerate, and conglomerate DQ stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.
- (1) RAP from Class I, HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.
 - (2) RAP from Class I binder, HMA (High ESAL) binder, or (Low ESAL) IL-19.0L binder mixtures are designated as containing Class C quality coarse aggregate.

(3) RAP from BAM stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

(b) FRAP. If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer.

If the quality is not known, the quality shall be determined as follows. Coarse and fine FRAP stockpiles containing plus No. 4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5,000 tons (4,500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant laboratory prequalified by the Department for the specified testing. The consultant laboratory shall submit the test results along with the recovered aggregate sample to the District Office. Consultant laboratory services will be at no additional cost to the Department. The District will forward the sample to the Central Bureau of Materials Aggregate Lab for MicroDeval Testing, according to ITP 327. A maximum loss of 15.0 percent will be applied for all HMA applications.

1031.06 Use of RAP/FRAP and/or RAS in HMA. The use of RAP/FRAP and/or RAS shall be the Contractor's option when constructing HMA in all contracts.

(a) RAP/FRAP. The use of RAP/FRAP in HMA shall be as follows.

- (1) Coarse Aggregate Size. The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.
- (2) Steel Slag Stockpiles. Homogeneous RAP stockpiles containing steel slag will be approved for use in all HMA (High ESAL and Low ESAL) surface and binder mixture applications.
- (3) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better. FRAP from conglomerate stockpiles shall be considered equivalent to limestone for frictional considerations. Known frictional contributions from plus No. 4 (4.75 mm) homogeneous FRAP stockpiles will be accounted for in meeting frictional requirements in the specified mixture.
- (4) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP, homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.
- (5) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, homogeneous, or conglomerate.

- (6) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in Article 1031.06(c)(1) below for a given Ndesign.
- (b) RAS. RAS meeting Type 1 or Type 2 requirements will be permitted in all HMA applications as specified herein.
- (c) RAP/FRAP and/or RAS Usage Limits. Type 1 or Type 2 RAS may be used alone or in conjunction with RAP or FRAP in HMA mixtures up to a maximum of 5.0 percent by weight of the total mix.
- (1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement (ABR) shall not exceed the amounts listed in the following table.

HMA Mixtures - RAP/RAS Maximum ABR % ^{1/2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

- (2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the following table.

HMA Mixtures - FRAP/RAS Maximum ABR % ^{1/2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	--	--	25

IL-4.75	- -	- -	35
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- 1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.
- 2/ When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

1031.07 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP and/or RAS material meeting the detailed requirements specified herein.

- (a) RAP/FRAP and/or RAS. RAP/FRAP and/or RAS mix designs shall be submitted for verification. If additional RAP/FRAP and/or RAS stockpiles are tested and found that no more than 20 percent of the individual parameter test results, as defined in Article 1031.04, are outside of the control tolerances set for the original RAP/FRAP and/or RAS stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP and/or RAS stockpiles may be used in the original mix design at the percent previously verified.
- (b) RAS. Type 1 and Type 2 RAS are not interchangeable in a mix design.

The RAP, FRAP, and RAS stone bulk specific gravities (G_{sb}) shall be according to the "Determination of Aggregate Bulk (Dry) Specific Gravity (G_{sb}) of Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)" procedure in the Department's Manual of Test Procedures for Materials.

1031.08 HMA Production. HMA production utilizing RAP/FRAP and/or RAS shall be as follows.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAP/FRAP and/or RAS feed system to remove or reduce oversized material.

If the RAP/FRAP and/or RAS control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and/or RAS and either switch to the virgin aggregate design or submit a new mix design.

- (a) RAP/FRAP. The coarse aggregate in all RAP/FRAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced.
- (b) RAS. RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within

± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that the mixture production is halted when RAS flow is interrupted.

- (c) RAP/FRAP and/or RAS. HMA plants utilizing RAP/FRAP and/or RAS shall be capable of automatically recording and printing the following information.

(1) Dryer Drum Plants.

- a. Date, month, year, and time to the nearest minute for each print.
- b. HMA mix number assigned by the Department.
- c. Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- d. Accumulated dry weight of RAP/FRAP/RAS in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- e. Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
- f. Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
- g. Residual asphalt binder in the RAP/FRAP/RAS material as a percent of the total mix to the nearest 0.1 percent.
- h. Aggregate and RAP/FRAP/RAS moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAP/FRAP/RAS are recorded in a wet condition.)
- i. A positive dust control system shall be utilized when the combined contribution of reclaimed material passing the No. 200 sieve exceeds 1.5 percent.

(2) Batch Plants.

- a. Date, month, year, and time to the nearest minute for each print.
- b. HMA mix number assigned by the Department.
- c. Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
- d. Mineral filler weight to the nearest pound (kilogram).
- e. RAP/FRAP/RAS weight to the nearest pound (kilogram).

- f. Virgin asphalt binder weight to the nearest pound (kilogram).
- g. Residual asphalt binder in the RAP/FRAP/RAS material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.09 RAP in Aggregate Applications. RAP in aggregate applications shall be according to the Bureau of Materials Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications" and the following.

- (a) RAP in Aggregate Surface Course and Aggregate Wedge Shoulders, Type B. The use of RAP in aggregate surface course (temporary access entrances only) and aggregate wedge shoulders, Type B shall be as follows.
 - (1) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply.
 - (2) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted.
- (b) RAP in Aggregate Subgrade Improvement (ASI). RAP in ASI shall be according to Article 1031.06, except "Conglomerate DQ" and "Non-Quality" may be used."

SILT FENCE, INLET FILTERS, GROUND STABILIZATION AND RIPRAP FILTER FABRIC (BDE)

Effective: November 1, 2019

Revised: April 1, 2020

Revise Article 280.02(m) and add Article 280.02(n) so the Standard Specifications read:

“(m) Above Grade Inlet Filter (Fitted)..... 1081.15(j)
 (n) Above Grade Inlet Filter (Non-Fitted).....1081.15(k)”

Revise the last sentence of the first paragraph in Article 280.04(c) of the Standard Specifications to read:

“The protection shall be constructed with hay or straw bales, silt filter fence, above grade inlet filters (fitted and non-fitted), or inlet filters.

Revise the first sentence of the second paragraph in Article 280.04(c) of the Standard Specifications to read:

“When above grade inlet filters (fitted and non-fitted) are specified, they shall be of sufficient size to completely span and enclose the inlet structure.”

Revise Article 1080.02 of the Standard Specifications to read:

“1080.02 Geotextile Fabric. The fabric for silt filter fence shall consist of woven fabric meeting the requirements of AASHTO M 288 for unsupported silt fence.

The fabric for ground stabilization shall consist of woven yarns or nonwoven filaments of polyolefins or polyesters. Woven fabrics shall be Class 2 and nonwoven fabrics shall be Class 1 according to AASHTO M 288.

The physical properties for silt fence and ground stabilization fabrics shall be according to the following.

PHYSICAL PROPERTIES			
	Silt Fence Woven ^{1/}	Ground Stabilization Woven ^{2/}	Ground Stabilization Nonwoven ^{2/}
Grab Strength, lb (N) ^{3/} ASTM D 4632	123 (550) MD 101 (450) XD	247 (1100) min. ^{4/}	202 (900) min. ^{4/}
Elongation/Grab Strain, % ASTM D 4632 ^{4/}	49 max.	49 max.	50 min.
Trapezoidal Tear Strength, lb (N) ASTM D 4533 ^{4/}	--	90 (400) min.	79 (350) min.

Puncture Strength, lb (N) ASTM D 6241 ^{4/}	--	494 (2200) min.	433 (1925) min.
Apparent Opening Size, Sieve No. (mm) ASTM D 4751 ^{5/}	30 (0.60) max.	40 (0.43) max.	40 (0.43) max.
Permittivity, sec ⁻¹ ASTM D 4491	0.05 min.		
Ultraviolet Stability, % retained strength after 500 hours of exposure ASTM D 4355	70 min.	50 min.	50 min.

- 1/ NTPEP results or manufacturer's certification to meet test requirements.
- 2/ NTPEP results to meet test requirements. Manufacturer shall have public release status and current reports on laboratory results in Test Data of NTPEP's DataMine.
- 3/ MD = Machine direction. XD = Cross-machine direction.
- 4/ Values represent the minimum average roll value (MARV) in the weaker principle direction, MD or XD.
- 5/ Values represent the maximum average roll value."

Revise Article 1080.03 of the Standard Specifications to read:

"1080.03 Filter Fabric. The filter fabric shall consist of woven yarns or nonwoven filaments of polyolefins or polyesters. Woven fabrics shall be Class 3 for riprap gradations RR 4 and RR 5, and Class 2 for RR 6 and RR 7 according to AASHTO M 288. Woven slit film geotextiles (i.e. geotextiles made from yarns of a flat, tape-like character) shall not be permitted. Nonwoven fabrics shall be Class 2 for riprap gradations RR 4 and RR 5, and Class 1 for RR 6 and RR 7 according to AASHTO M 288. After forming, the fabric shall be processed so that the yarns or filaments retain their relative positions with respect to each other. The fabric shall be new and undamaged.

The filter fabric shall be manufactured in widths of not less than 6 ft (2 m). Sheets of fabric may be sewn together with thread of a material meeting the chemical requirements given for the yarns or filaments to form fabric widths as required. The sheets of filter fabric shall be sewn together at the point of manufacture or another approved location.

The filter fabric shall be according to the following.

PHYSICAL PROPERTIES ^{1/}				
	Gradation Nos. RR 4 & RR 5		Gradation Nos. RR 6 & RR 7	
	Woven	Nonwoven	Woven	Nonwoven
Grab Strength, lb (N) ASTM D 4632 ^{2/}	180 (800) min.	157 (700) min.	247 (1100) min.	202 (900) min.
Elongation/Grab Strain, % ASTM D 4632 ^{2/}	49 max.	50 min.	49 max.	50 min.
Trapezoidal Tear Strength, lb (N) ASTM D 4533 ^{2/}	67 (300) min.	56 (250) min.	90 (400) min.	79 (350) min.
Puncture Strength, lb (N) ASTM D 6241 ^{2/}	370 (1650) min.	309 (1375) min.	494 (2200) min.	433 (1925) min.
Ultraviolet Stability, % retained strength after 500 hours of exposure - ASTM D 4355	50 min.			

1/ NTPEP results to meet test requirements. Manufacturer shall have public release status and current reports on laboratory results in Test Data of NTPEP's DataMine.

2/ Values represent the minimum average roll value (MARV) in the weaker principle direction [machine direction (MD) or cross-machine direction (XD)].

As determined by the Engineer, the filter fabric shall meet the requirements noted in the following after an onsite investigation of the soil to be protected.

Soil by Weight (Mass) Passing the No. 200 sieve (75 μ m), %	Apparent Opening Size, Sieve No. (mm) - ASTM D 4751 ^{1/}	Permittivity, sec ⁻¹ ASTM D 4491
49 max.	60 (0.25) max.	0.2 min.
50 min.	70 (0.22) max.	0.1 min.

1/ Values represent the maximum average roll value."

Revise Article 1081.15(h)(3)a of the Standard Specifications to read:

"a. Inner Filter Fabric Bag. The inner filter fabric bag shall be constructed of woven yarns or nonwoven filaments made of polyolefins or polyesters with a minimum silt and debris capacity of 2.0 cu ft (0.06 cu m). Woven fabric shall be Class 3 and nonwoven fabric shall be Class 2 according to AASHTO M 288. The fabric bag shall be according to the following.

PHYSICAL PROPERTIES		
	Woven	Nonwoven
Grab Strength, lb (N) ASTM D 4632 ^{1/}	180 (800) min.	157 (700) min.
Elongation/Grab Strain, % ASTM D 4632 ^{1/}	49 max.	50 min.
Trapezoidal Tear Strength, lb (N) ASTM D 4533 ^{1/}	67 (300) min.	56 (250) min.
Puncture Strength, lb (N) ASTM D 6241 ^{1/}	370 (1650) min.	309 (1375) min.
Apparent Opening Size, Sieve No. (mm) ASTM D 4751 ^{2/}	60 (0.25) max.	
Permittivity, sec ⁻¹ ASTM D 4491	2.0 min.	
Ultraviolet Stability, % retained strength after 500 hours of exposure – ASTM D 4355	70 min.	

1/ Values represent the minimum average roll value (MARV) in the weaker principle direction [machine direction (MD) or cross-machine direction (XD)].

2/ Values represent the maximum average roll value.”

Revise Article 1081.15(i)(1) of the Standard Specifications to read:

- “(i) Urethane Foam/Geotextile. Urethane foam/geotextile shall be triangular shaped having a minimum height of 10 in. (250 mm) in the center with equal sides and a minimum 20 in. (500 mm) base. The triangular shaped inner material shall be a low density urethane foam. The outer geotextile fabric cover shall consist of woven yarns or nonwoven filaments made of polyolefins or polyesters placed around the inner material and shall extend beyond both sides of the triangle a minimum of 18 in. (450 mm). Woven filter fabric shall be Class 3 and nonwoven filter fabric shall be Class 2 according to AASHTO M 288.

(1) The geotextile shall meet the following properties.

PHYSICAL PROPERTIES		
	Woven	Nonwoven
Grab Strength, lb (N) ASTM D 4632 ^{1/}	180 (800) min.	157 (700) min.
Elongation/Grab Strain, % ASTM D 4632 ^{1/}	49 max.	50 min.
Trapezoidal Tear Strength, lb (N) ASTM D 4533 ^{1/}	67 (300) min.	56 (250) min.
Puncture Strength, lb (N) ASTM D 6241 ^{1/}	370 (1650) min.	309 (1375) min.

Apparent Opening Size, Sieve No. (mm) ASTM D 4751 ^{2/}	30 (0.60) max.
Permittivity, sec ⁻¹ ASTM D 4491	2.0 min.
Ultraviolet Stability, % retained strength after 500 hours of exposure – ASTM D 4355	70 min.

1/ Values represent the minimum average roll value (MARV) in the weaker principle direction [machine direction (MD) or cross-machine direction (XD)].

2/ Values represent the maximum average roll value.”

Add the following to Article 1081.15(i) of the Standard Specifications.

“(3) Certification. The manufacturer shall furnish a certificate with each shipment of urethane foam/geotextile assemblies stating the amount of product furnished and that the material complies with these requirements.”

Revise the title and first sentence of Article 1081.15(j) of the Standards Specifications to read:

“(j) Above Grade Inlet Filters (Fitted). Above grade inlet filters (fitted) shall consist of a rigid polyethylene frame covered with a fitted geotextile filter fabric.”

Revise Article 1081.15(j)(2) of the Standard Specifications to read:

(2) Fitted Geotextile Filter Fabric. The fitted geotextile filter fabric shall consist of woven yarns or nonwoven filaments made of polyolefins or polyesters. Woven filter fabric shall be Class 3 and nonwoven filter fabric shall be Class 2 according to AASHTO M 288. The filter shall be fabricated to provide a direct fit to the frame. The top of the filter shall integrate a coarse screen with a minimum apparent opening size of 1/2 in. (13 mm) to allow large volumes of water to pass through in the event of heavy flows. The filter shall have integrated anti-buoyancy pockets capable of holding a minimum of 3.0 cu ft (0.08 cu m) of stabilization material. Each filter shall have a label with the following information sewn to or otherwise permanently adhered to the outside: manufacturer’s name, product name, and lot, model, or serial number. The fitted geotextile filter fabric shall be according to the table in Article 1081.15(h)(3)a above.”

Add Article 1081.15(k) to the Standard Specifications to read:

“(k) Above Grade Inlet Filters (Non-Fitted). Above grade inlet filters (non-fitted) shall consist of a geotextile fabric surrounding a metal frame. The frame shall consist of either a) a circular cage formed of welded wire mesh, or b) a collapsible aluminum frame, as described below.

(1) Frame Construction.

- a) Welded Wire Mesh Frame. The frame shall consist of 6 in. x 6 in. (150 mm x 150 mm) welded wire mesh formed of #10 gauge (3.42 mm) steel conforming to ASTM A 185. The mesh shall be 30 in. (750 mm) tall and formed into a 42 in. (1.05 m) minimum diameter cylinder.
 - b) Collapsible Aluminum Frame. The collapsible aluminum frame shall consist of grade 6036 aluminum. The frame shall have anchor lugs that attach it to the inlet grate, which shall resist movement from water and debris. The collapsible joints of the frame shall have a locking device to secure the vertical members in place, which shall prevent the frame from collapsing while under load from water and debris.
- (2) Geotextile Fabric. The geotextile fabric shall consist of woven yarns or nonwoven filaments made of polyolefins or polyesters. The woven filter fabric shall be a Class 3 and the nonwoven filter fabric shall be a Class 2 according to AASHTO M 288. The geotextile fabric shall be according to the table in Article 1081.15(h)(3)a above.
- (3) Geotechnical Fabric Attachment to the Frame.
- a) Welded Wire Mesh Frame. The woven or nonwoven geotextile fabric shall be wrapped 3 in. (75 mm) over the top member of a 6 in. x 6 in. (150 mm x 150 mm) welded wire mesh frame and secured with fastening rings constructed of wire conforming to ASTM A 641, A 809, A 370, and A 938 at 6 in. (150 mm) on center. The fastening rings shall penetrate both layers of geotextile and securely close around the steel mesh. The geotextile shall be secured to the sides of the welded wire mesh with fastening rings at a spacing of 1 per sq ft (11 per sq m) and securely close around a steel member.
 - b) Collapsible Aluminum Frame. The woven or nonwoven fabric shall be secured to the aluminum frame along the top and bottom of the frame perimeter with strips of aluminum secured to the perimeter member, such that the anchoring system provides a uniformly distributed stress throughout the geotechnical fabric.
- (4) Certification. The manufacturer shall furnish a certificate with each shipment of above grade inlet filter assemblies stating the amount of product furnished and that the material complies with these requirements.”

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

“This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%”

TRAFFIC CONTROL DEVICES - CONES (BDE)

Effective: January 1, 2019

Revise Article 701.15(a) of the Standard Specifications to read:

- “(a) Cones. Cones are used to channelize traffic. Cones used to channelize traffic at night shall be reflectorized; however, cones shall not be used in nighttime lane closure tapers or nighttime lane shifts.”

Revise Article 1106.02(b) of the Standard Specifications to read:

- “(b) Cones. Cones shall be predominantly orange. Cones used at night that are 28 to 36 in. (700 to 900 mm) in height shall have two white circumferential stripes. If non-reflective spaces are left between the stripes, the spaces shall be no more than 2 in. (50mm) in width. Cones used at night that are taller than 36 in. (900 mm) shall have a minimum of two white and two fluorescent orange alternating, circumferential stripes with the top stripe being fluorescent orange. If non-reflective spaces are left between the stripes, the spaces shall be no more than 3 in. (75 mm) in width.

The minimum weights for the various cone heights shall be 4 lb for 18 in. (2 kg for 450 mm), 7 lb for 28 in. (3 kg for 700 mm), and 10 lb for 36 in. (5 kg for 900 mm) with a minimum of 60 percent of the total weight in the base. Cones taller than 36 in. shall be weighted per the manufacturer's specifications such that they are not moved by wind or passing traffic.”

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports 1106.02”

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

“For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer’s specifications.”

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

“**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer’s self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device.”

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

“**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 1 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 2 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact

attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH-16 compliant is available, an NCHRP 350 or MASH-2009 compliant device may be used, even if manufactured after December 31, 2019.”

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

“(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis.”

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

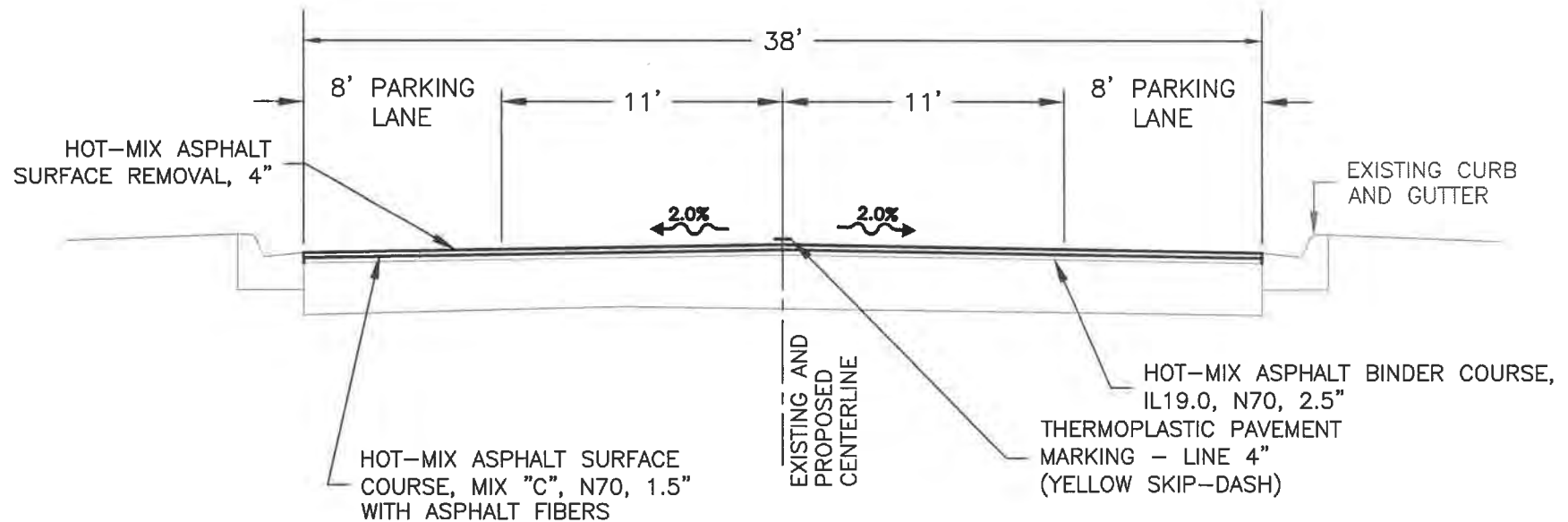
All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

During the contracting phase of this project, the Contractor shall contact Fehr Graham to determine the extent of the agencies that shall be named as additionally insured on this project. At a minimum, the following shall be named: The City of DeKalb, Fehr Graham, and all other agencies and representatives on-site under the direction of those entities shall be listed.

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

1ST STREET
(FROM TAYLOR STREET TO PROSPECT STREET)



**TYPICAL SECTIONS FOR
RESURFACING
CITY OF DEKALB**

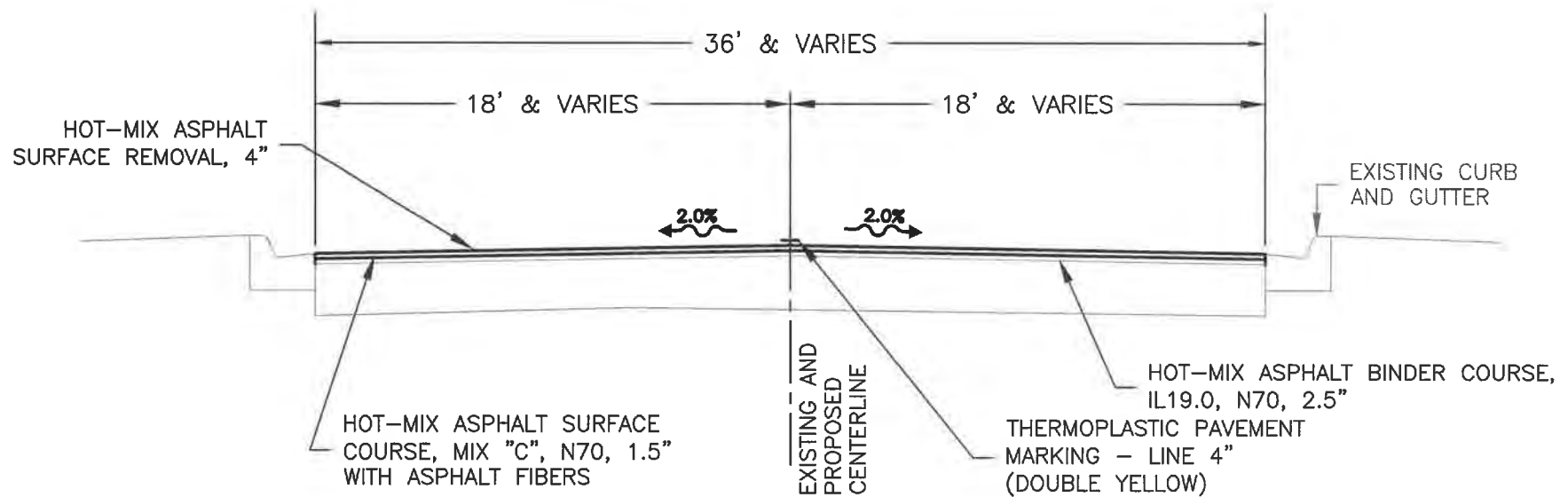
***LONGITUDINAL JOINT SEALANT, 18"
BAND TO BE APPLIED TO ALL
LONGITUDINAL JOINTS ON 1ST STREET**

2/12/21

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

1ST STREET
(FROM PROSPECT STREET TO LINCOLN HIGHWAY)



**TYPICAL SECTIONS FOR
RESURFACING
CITY OF DEKALB**

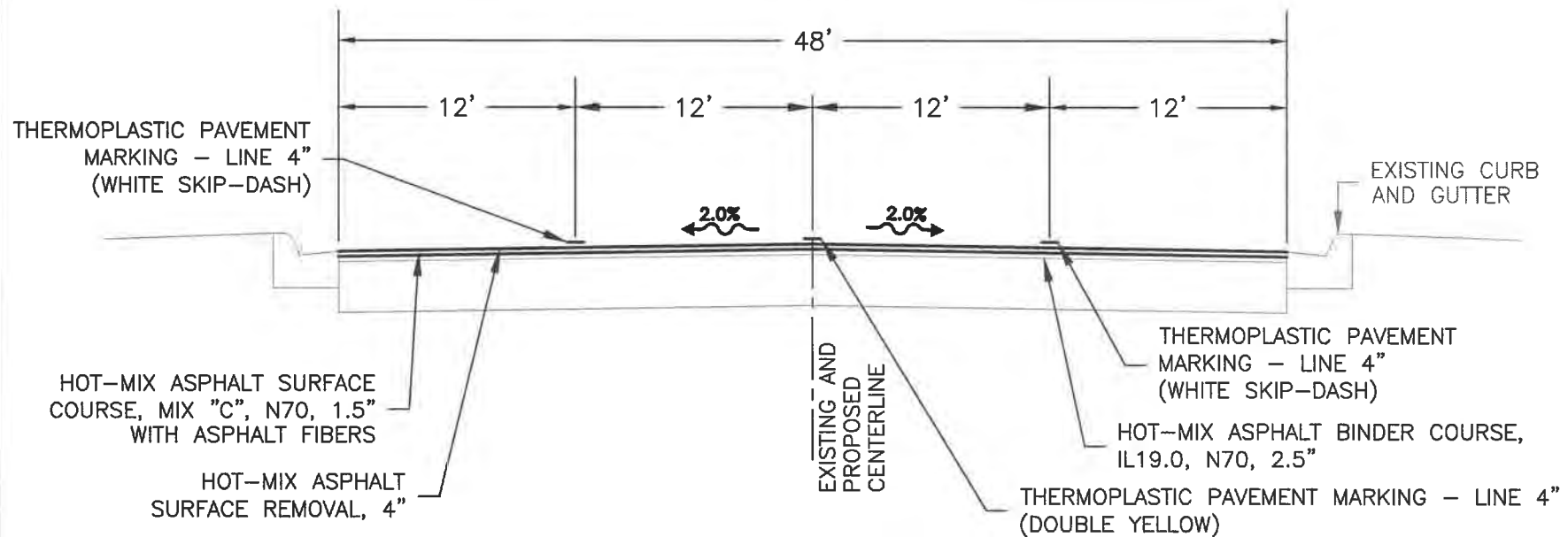
***LONGITUDINAL JOINT SEALANT, 18"
BAND TO BE APPLIED TO ALL
LONGITUDINAL JOINTS ON 1ST STREET**

2/12/21

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

1ST STREET
(FROM LINCOLN HIGHWAY TO AUGUSTA AVE)



**TYPICAL SECTIONS FOR
RESURFACING
CITY OF DEKALB**

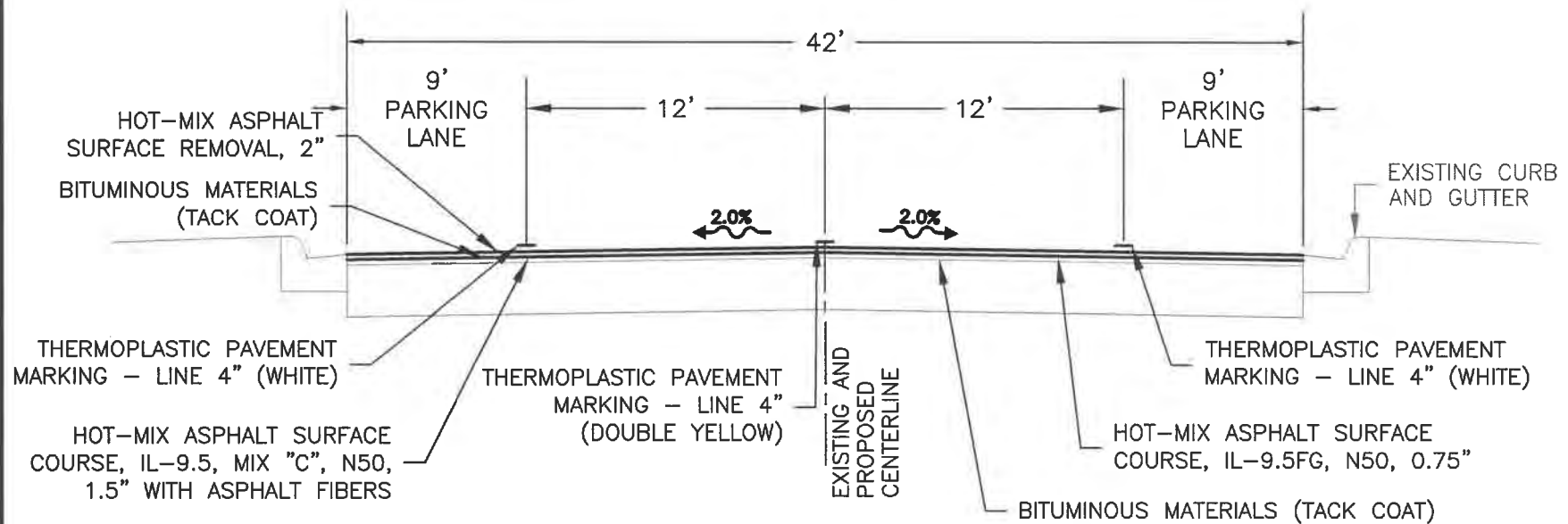
***LONGITUDINAL JOINT SEALANT, 18"
BAND TO BE APPLIED TO ALL
LONGITUDINAL JOINTS ON 1ST STREET**

2/12/21

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

TAYLOR STREET (FROM LION'S PARK ENTRANCE TO 1ST STREET)



CORE NUMBER	LOCATION OF CORE	PAVEMENT THICKNESS (INCHES)
25	STA 1006+70	10" BITUMINOUS
27	STA 1016+60	8" BITUMINOUS

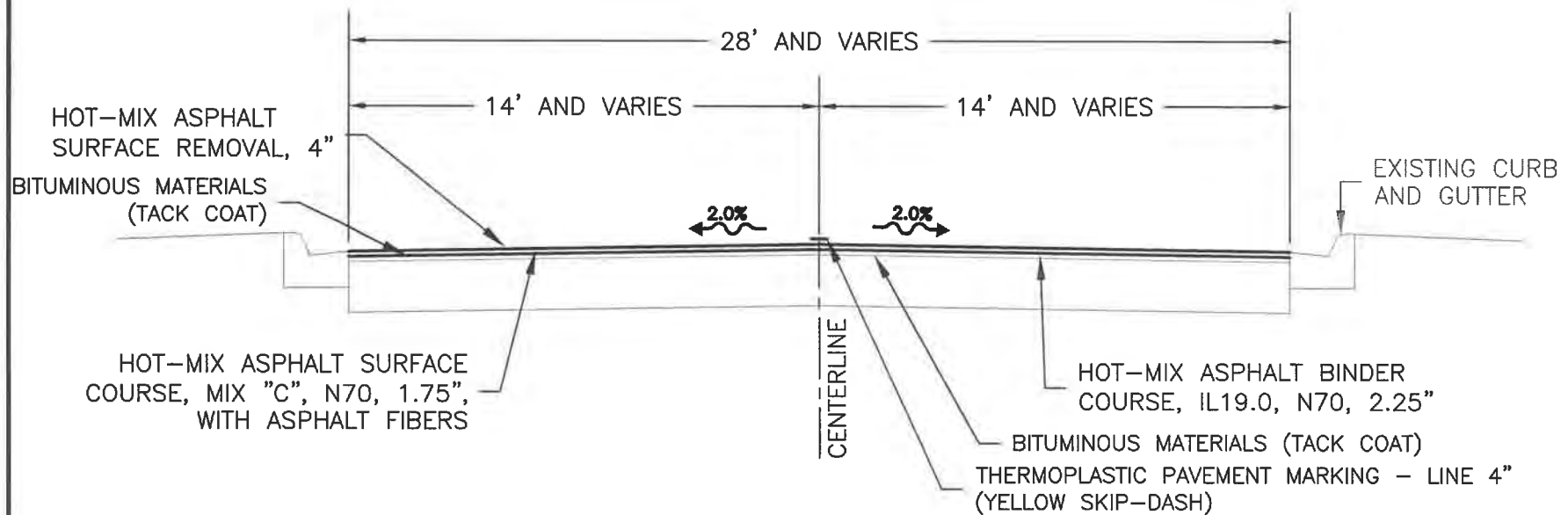
TYPICAL SECTIONS FOR RESURFACING CITY OF DEKALB

2/12/21

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

**7TH STREET
ALTERNATE BID #1**
(FROM FRANKLIN STREET TO LINCOLN HIGHWAY)



CORE NUMBER	LOCATION OF CORE	PAVEMENT THICKNESS (INCHES)
8	STA 108+25	11" BITUMINOUS

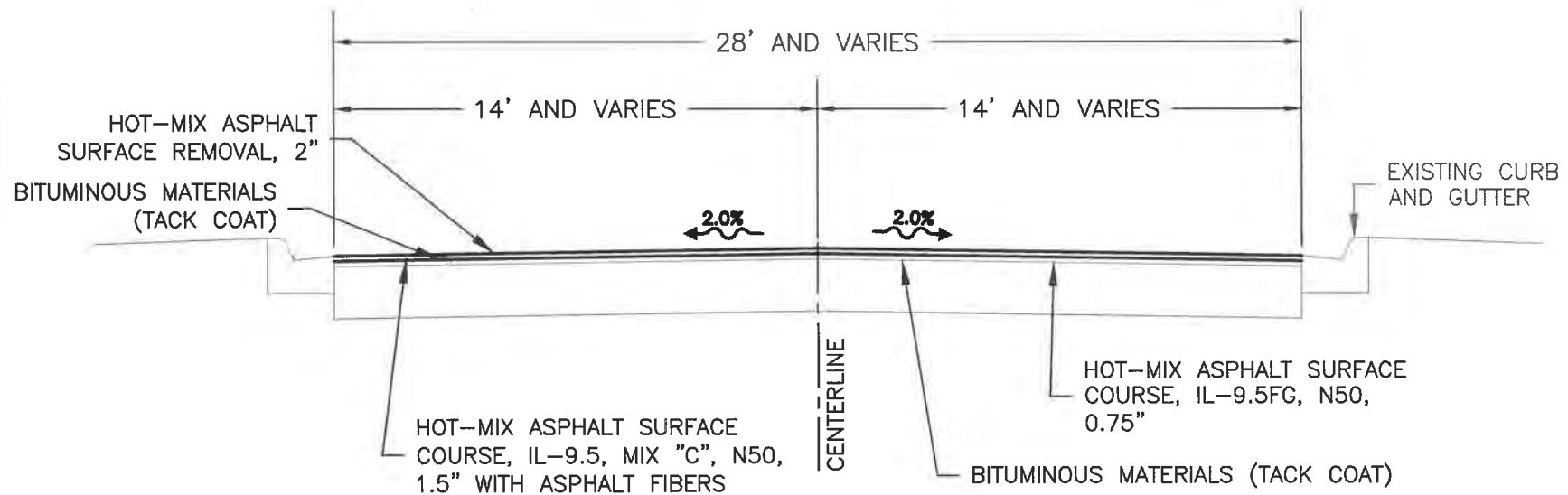
**TYPICAL SECTIONS FOR
RESURFACING
CITY OF DEKALB**

2/12/21

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

**SOUTH 6TH STREET
ALTERNATE BID #2**
(FROM EAST ROOSEVELT STREET TO GROVE STREET)



**TYPICAL SECTIONS FOR
RESURFACING
CITY OF DEKALB**

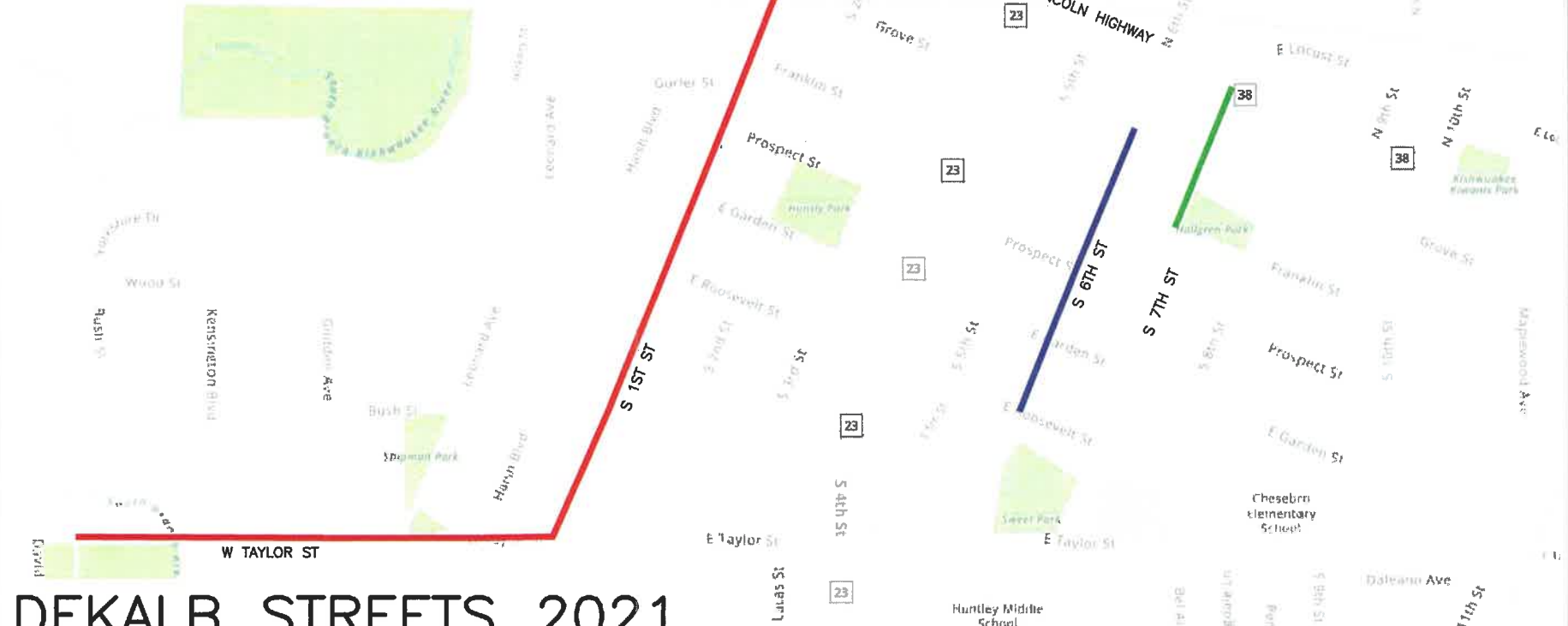
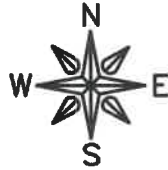
2/12/21

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

LEGEND

- STREET IMPROVEMENT LIMITS (BASE BID)
- STREET IMPROVEMENT LIMITS (ALTERNATE #1)
- STREET IMPROVEMENT LIMITS (ALTERNATE #2)

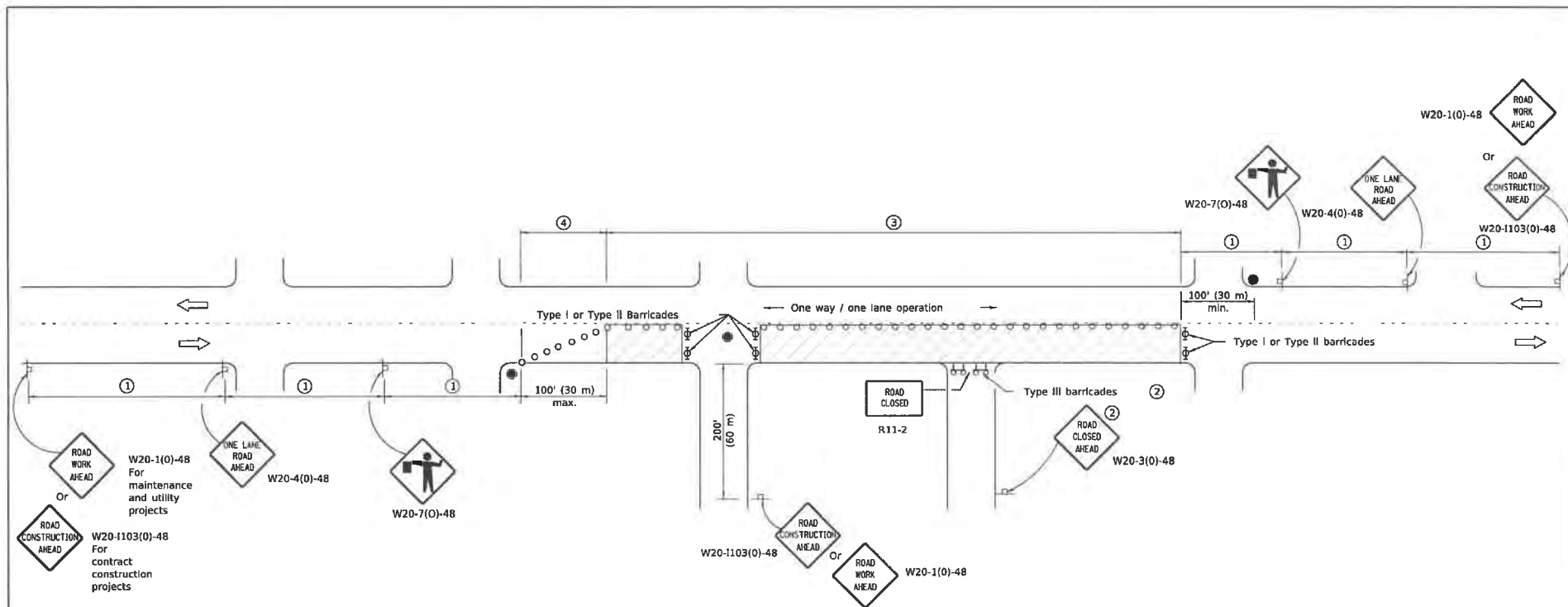


DEKALB STREETS 2021 SITE LOCATION MAP CITY OF DEKALB

2/12/21

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade (not required for moving operations)
- Sign on portable or permanent support
- Flagger with traffic control sign
- Barricade or drum with flashing light
- Type III barricade with flashing lights

- ① Refer to SIGN SPACING TABLE for distances.
- ② For approved sideroad closures.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

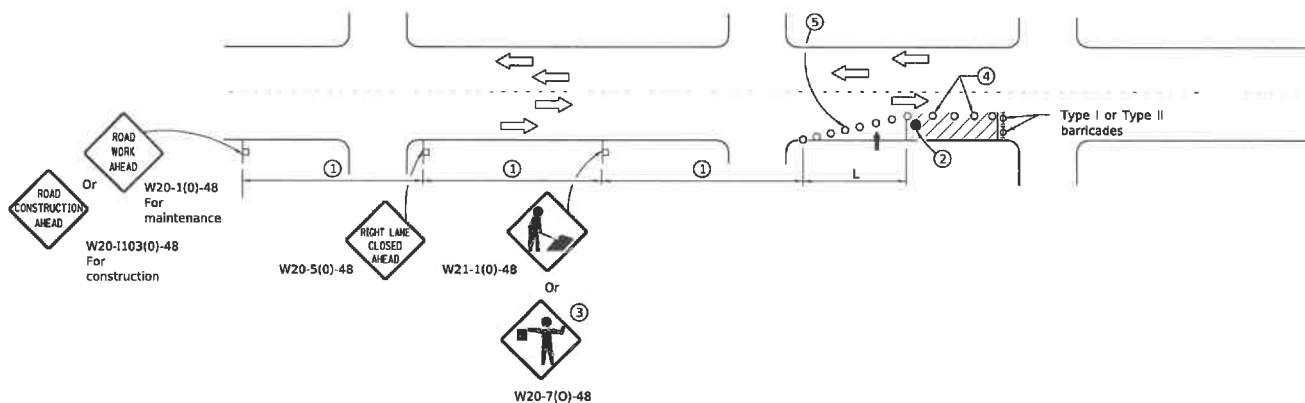
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation	
PASSED	January 1, 2011
ENGINEER OF SAFETY ENGINEERING	
APPROVED	January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT	

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).
	Corrected sign No.'s.

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

STANDARD 701501-06



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- ↑ Arrow board
- Cone, drum or barricade
- ⊥ Sign on portable or permanent support
- ▨ Work area
- ⊕ Barricade or drum with flashing light
- Flagger with traffic control sign.

- ① Refer to SIGN SPACING TABLE for distances.
- ② Required for speeds > 40 mph.
- ③ Use flagger sign only when flagger is present.
- ④ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ⑤ Cones, drums or barricades at 20' (6 m) centers in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an Urban area.

Calculate L as follows:

SPEED LIMIT

40 mph (70 km/h)
or less:

45 mph (80 km/h)
or greater:

W = Width of offset
in feet (meters).
S = Normal posted speed
mph (km/h).

FORMULAS

English	(Metric)
$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
$L = (W)(S)$	$L = 0.65(W)(S)$

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-15	Renamed standard. Moved case on Sheet 2 to new Highway Standard.
1-1-14	Revised workers sign number to agree with current MUTCD.

URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

STANDARD 701606-10

Illinois Department of Transportation

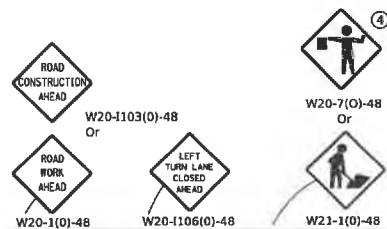
PASSED January 1, 2015

ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2015

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-17



LEFT TURN LANE OR CENTER MEDIAN OPERATIONS

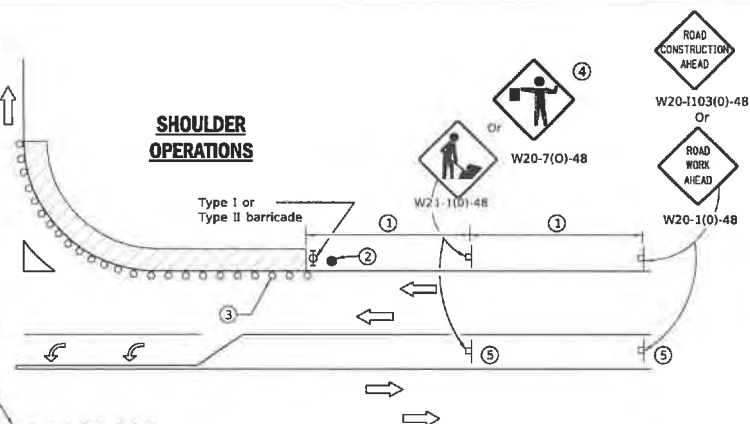
- ① Refer to SIGN SPACING TABLE for distance.
- ② Required for speed > 40 mph.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Use flagger sign only when flagger is present.
- ⑤ Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Advanced arrow board required for speeds > 45 mph.
- ⑧ Three Type II barricades, drums or vertical barriers at 50' (15 m) centers.

SYMBOLS

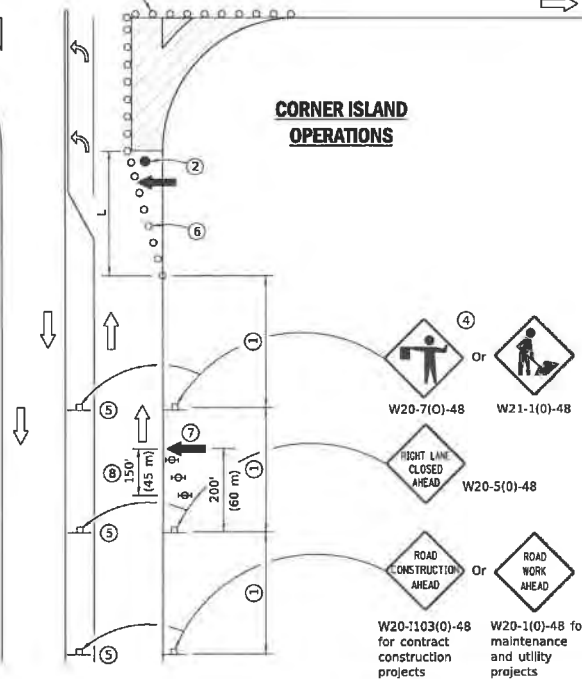
- Work area
- Cone, drum or barricade
- Sign on portable or permanent support
- Arrow board
- Barricade or drum with flashing light
- Flagger with traffic control sign

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SHOULDER OPERATIONS



CORNER ISLAND OPERATIONS



GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT

40 mph (70 km/h) or less:

45 mph (80 km/h) or greater:

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

FORMULAS

English	(Metric)
$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
$L = (W)(S)$	$L = 0.65(W)(S)$

DATE	REVISIONS
4-1-16	Corrected sign number for LEFT TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board upstream from taper.
	Rev. workers sign number.

URBAN LANE CLOSURE, MULTILANE INTERSECTION

STANDARD 701701-10

Illinois Department of Transportation

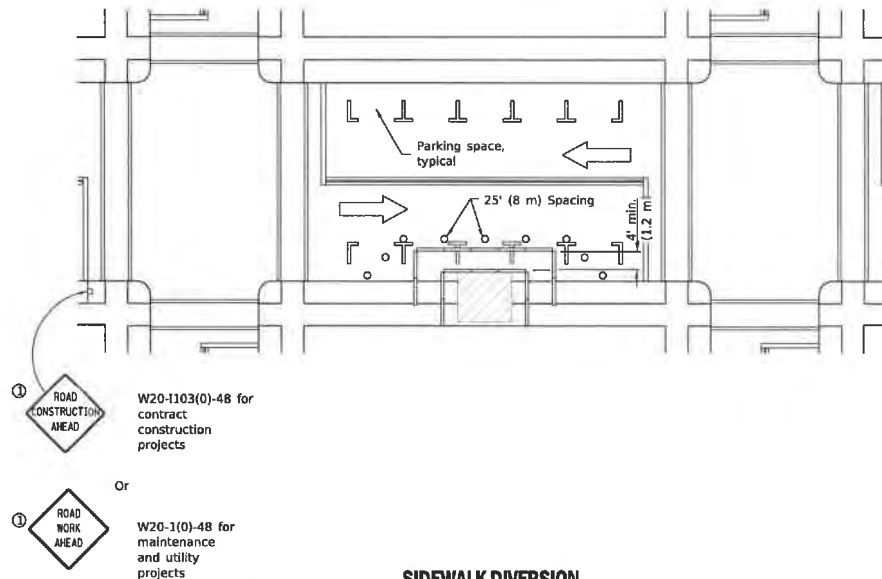
PASSED April 1, 2016

ENGINEER OF SAFETY ENGINEERING

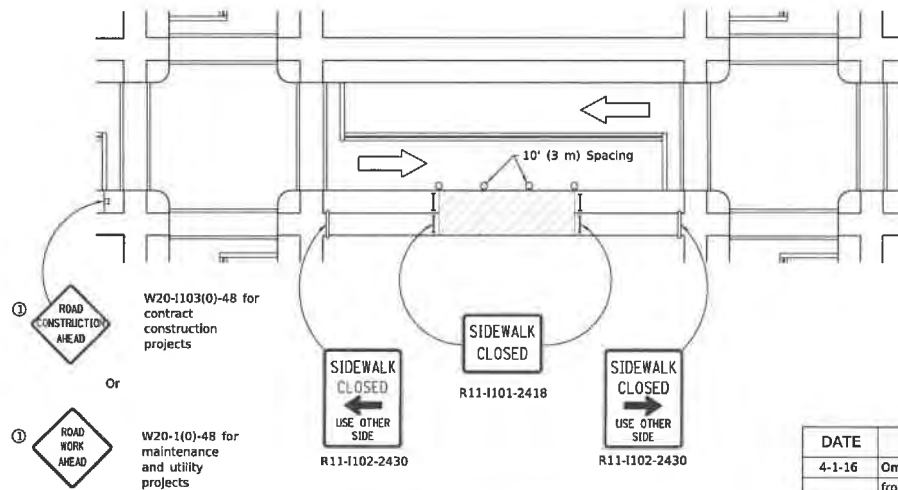
APPROVED April 1, 2016

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



SIDEWALK DIVERSION



SIDEWALK CLOSURE

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade

① Omit whenever duplicated by road work traffic control.

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED April 1, 2018

ENGINEER OF SAFETY ENGINEERING

APPROVED April 1, 2018

ENGINEER OF DESIGN AND ENVIRONMENT

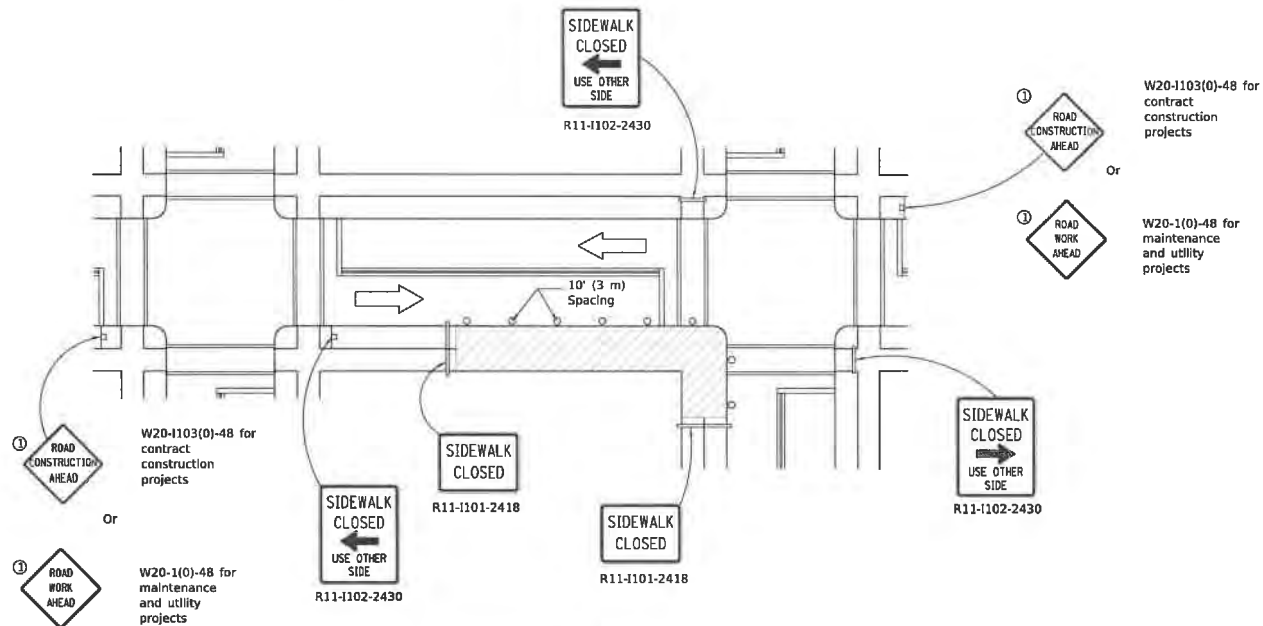
ISSUED 1-1-97

DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION. Modified appearance of plan views. Renamed Std.

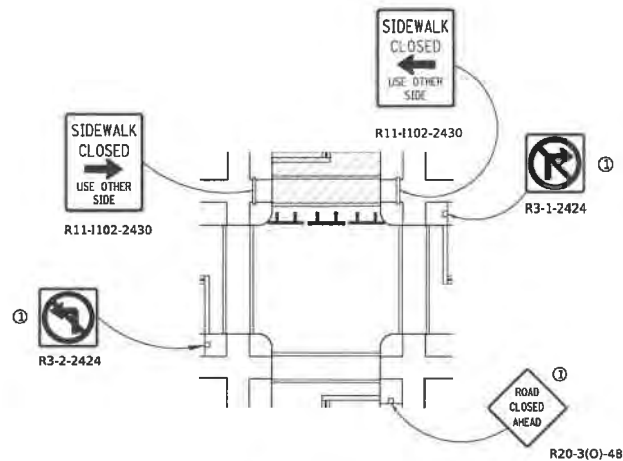
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

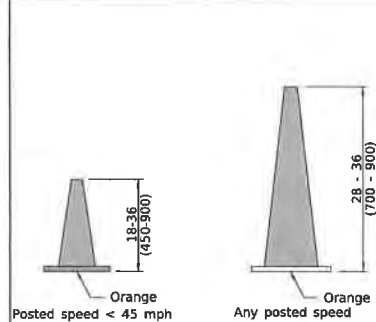
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

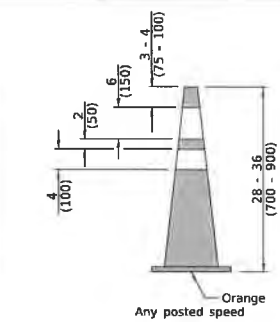
STANDARD 701801-06

Illinois Department of Transportation	
PASSED	April 1, 2016
ENGINEER OF SAFETY ENGINEERING	
APPROVED	April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT	

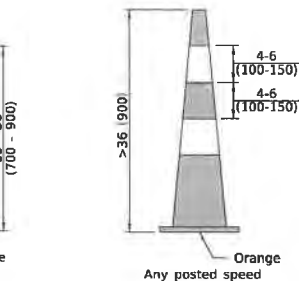
ISSUED 1-1-97



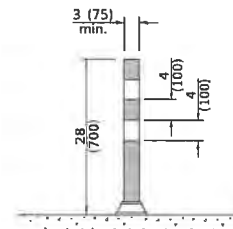
DAYTIME USE



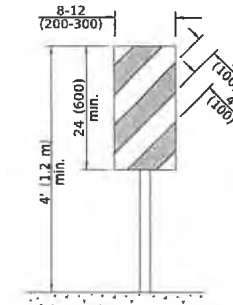
CONES



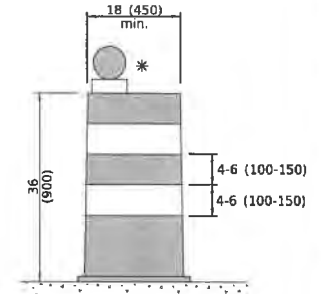
DAY OR NIGHTTIME USE



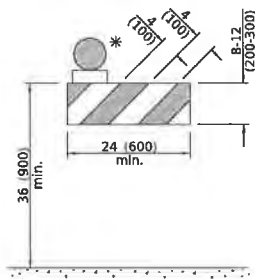
TUBULAR MARKER



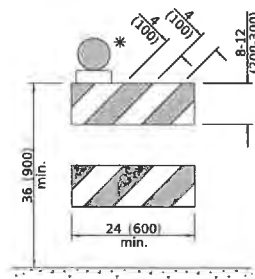
VERTICAL PANEL POST MOUNTED



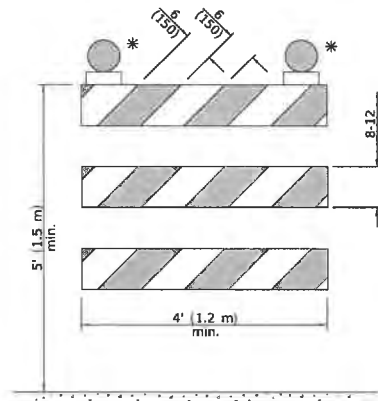
DRUM



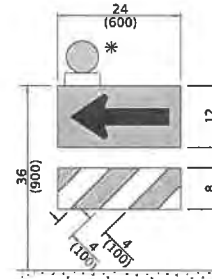
TYPE I BARRICADE



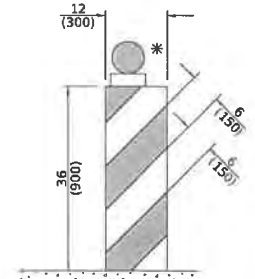
TYPE II BARRICADE



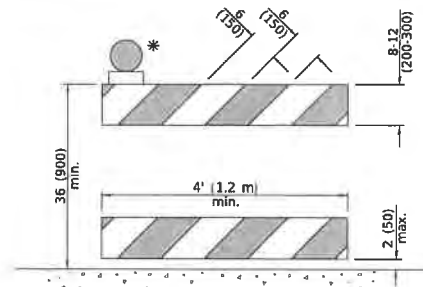
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

* Warning lights (if required)

Illinois Department of Transportation

APPROVED January 3, 2019

ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 3, 2019

ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-19	Revised cone usage and added cones >36" (900 mm) height.
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.

GENERAL NOTES

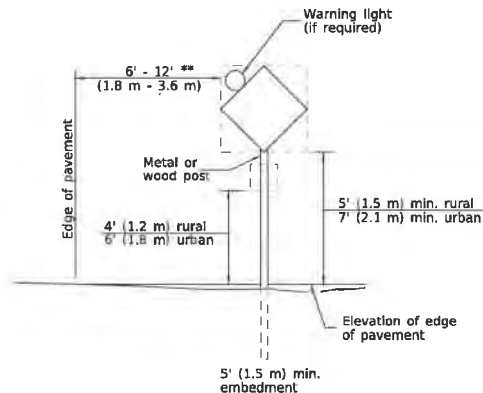
All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

TRAFFIC CONTROL DEVICES

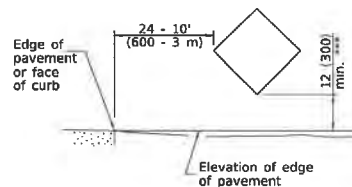
(Sheet 1 of 3)

STANDARD 701901-08



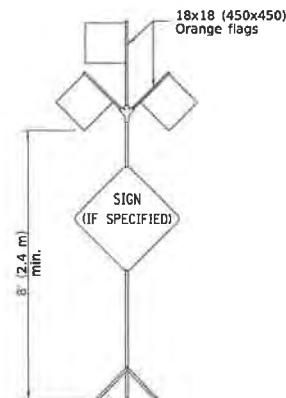
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



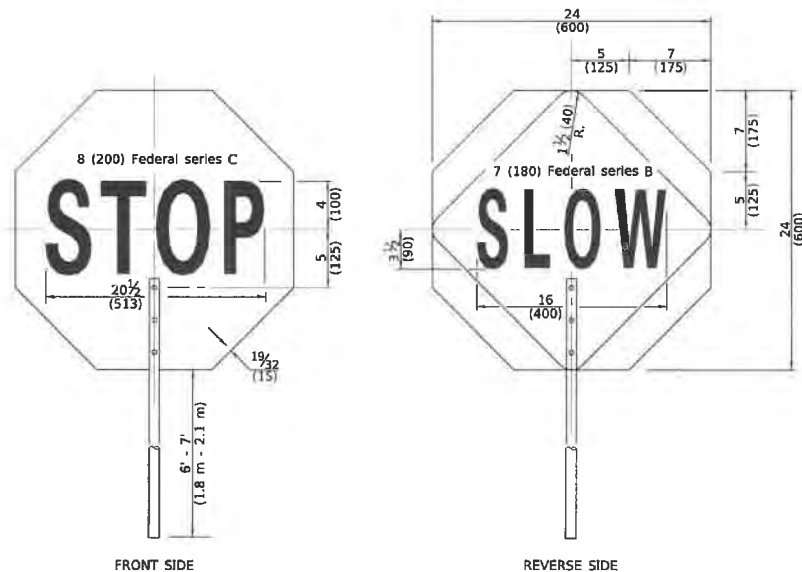
HIGH LEVEL WARNING DEVICE



W12-I103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.



FRONT SIDE

REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

ROAD
CONSTRUCTION
NEXT X MILES
G20-I104(0)-6036

END
CONSTRUCTION
G20-I105(0)-6024

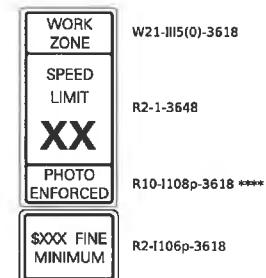
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



Sign assembly as shown on Standards or as allowed by District Operations.

END
WORK ZONE
SPEED LIMIT
G20-I103-6036

This sign shall be used when the above sign assembly is used.

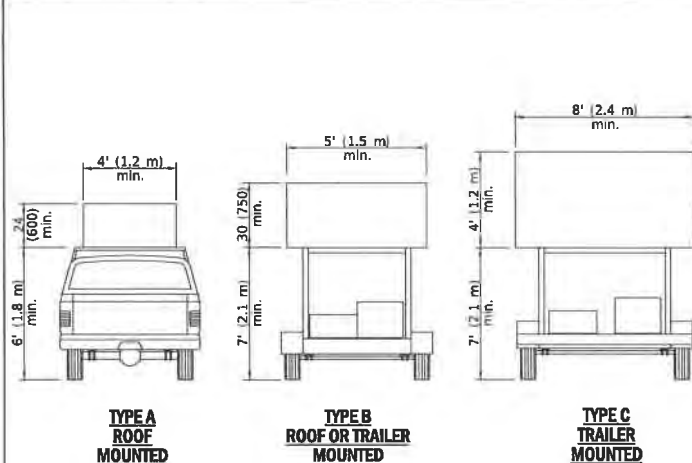
HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-I108p shall only be used along roadways under the jurisdiction of the State.

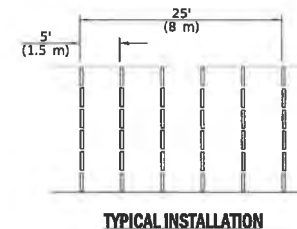
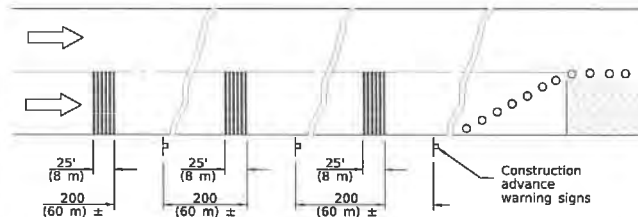
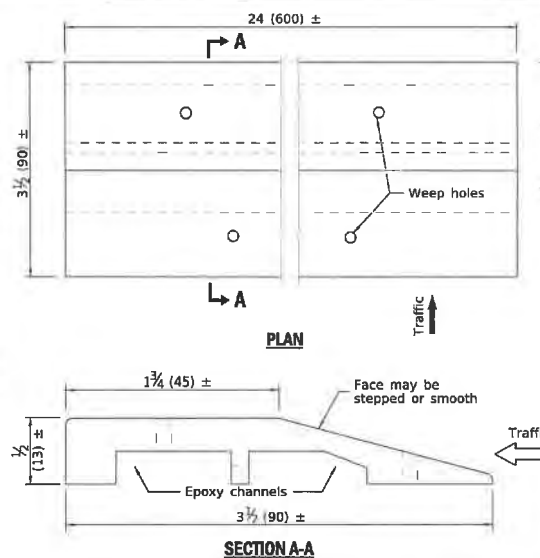
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

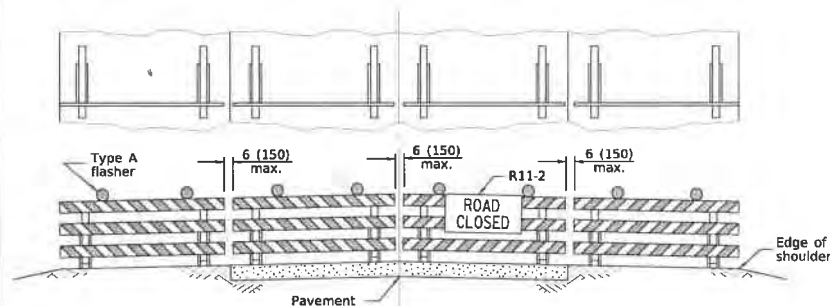
STANDARD 701901-08



ARROW BOARDS

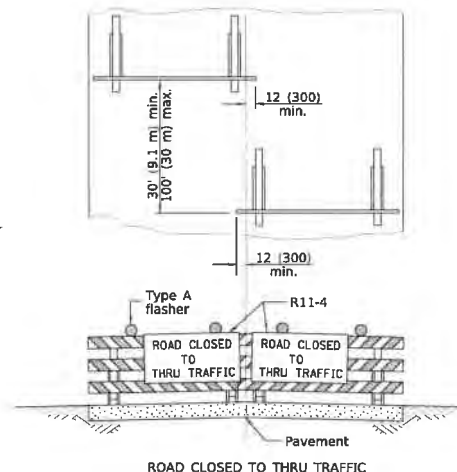


TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

**TYPICAL APPLICATIONS OF
TYPE III BARRICADES CLOSING A ROAD**

Illinois Department of Transportation

APPROVED January 1, 2019

ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 3, 2019

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-19

**TRAFFIC CONTROL
DEVICES**

STANDARD 701901-08

(Sheet 3 of 3)

Location	Manhole ID	Remarks
S. 7th St.	11859	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
S. 7th St.	11865	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
S. 7th St.	11849	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
S. 7th St.	11835	Replace brick cone section with pre-cast cone section. Replace frame & lid (Kish. WRD to provide)
S. 6th St.	11893	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
S. 6th St.	11915	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
S. 6th St.	11861	Replace brick cone section with pre-cast cone section. Replace frame & lid (Kish. WRD to provide)
Taylor St.	11462	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
Taylor St.	11477	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
Taylor St.	11478	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
Taylor St.	11479	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
N. 1st St.	11620	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
N. 1st St.	11637	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
N. 1st St.	11349	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
N. 1st St.	11350	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
S. 1st St.	11354	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
S. 1st St.	11364	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
S. 1st St.	11365	Replace brick cone section with pre-cast cone section. Reuse frame & lid.
S. 1st St.	11383	Replace brick cone section with pre-cast cone section. Replace frame & lid (Kish. WRD to provide)
S. 1st St.	11382	Replace brick cone section with pre-cast cone section. Replace frame & lid (Kish. WRD to provide)
S. 1st St.	13300	Replace brick cone section with pre-cast cone section. Replace frame & lid (Kish. WRD to provide)

Fiber-Reinforced Asphalt Cement Concrete

Division 32 – Exterior Improvements
32 12 16.27 Fiber Reinforced Asphalt Paving

Part 1 General

1.1 Section Includes

- A. Fiber reinforcement for asphalt cement concrete

1.2 Related Sections

- A. Section 32 12 16 Asphalt Paving
- B. Section 32 12 19 Asphalt Paving Wearing Courses

1.3 References

- A. American Society for Testing and Materials (ASTM)
 - 1. To be determined or from other sections reference
- B. National Asphalt Paving Association
 - 1. To be determined or from other sections reference

1.4 Submittals

- A. Submit copies of manufacturer's literature for fibers including:
 - 1. Product data
 - 2. Brochures
 - 3. Written instructions to suppliers
 - 4. Written instructions to installers
 - 5. Material Safety Data Sheets (MSDS).
- B. Submit copies of a certificate prepared by asphalt material supplier, stating that the specified fibers were added to each batch of asphalt delivered to the project site. Each certificate should be accompanied by one copy of each batch delivery ticket indicating product name, manufacturer and quantity of fiber-reinforcement added to each asphalt load.

1.5 Quality Assurance

- A. Fiber manufacturer to provide technical assistance from design through construction for use of fiber reinforcement.

1.6 Delivery, Storage, and Handling

- A. Deliver fiber-reinforcement in sealed, undamaged containers with labels intact and legible, indicating material name and lot number.
- B. Deliver fiber-reinforcement to location where it will be added to each batch or loaded into the mixer.
- C. Store materials covered and off the ground. For ease of handling, do not allow boxes to become wet.

Fiber-Reinforced Asphalt Cement Concrete

Part 2 Products

2.1 Manufacturer

2.2 Materials

- A. HMA fiber reinforcement with virgin polyolefins and virgin aramids.
- B. Fiber Reinforcement: Fibers with the following typical physical properties:
 - 1. Nominal Specific Gravity (Bulk Relative Density): 0.91 and 1.44
 - 2. Nominal Material Types: Virgin Polyolefins and Virgin Aramid
 - 3. Maximum Length: 0.75 inch
 - 4. Match fiber blend of materials to application installation types:
 - i. Hot Mix Asphalt is designated blend HMA

2.3 Batching and Mixing

- A. To avoid the formation of fiber balls or not mixed fibers, add sealed plastic bags of fibers into the mixer.
- B. Add fiber-reinforcement at 1.0 pound per ton.
- C. Order product for Pug Mill Mixers for minimum batch size regarding tons per batch to pounds per bag of product.
- D. Order product for Drum Type Mixers and the anticipated production rate of tons per hour (typically seconds per ton, dosage timing) regarding 1-pound per bag of product.
- E. Order fiber reinforcement materials for 1 pound per ton of asphalt materials and allowing for overages, mock-ups, production, and occasional errors based on your experience.

2.4 Pug Mill Mixers and Mixing Operations

- A. Ensure adequate start, stop, and dosage change information is easily communicated between batch control operations and fiber addition activities.
- B. Add complete bags of fibers just before aggregate is discharged into the pug mill mixer.
- C. Immediately before or immediately after the dried aggregate is added to the pug mill, the bags of fibers should be added and discharged into the pug mill with the aggregate.
- D. Add complete bags of fibers at the general nominal batch size agreed to by operations and mixture design specifications.
- E. Do NOT open the bags and add or discharge into the pug mill.
- F. Dry mixing proceeds for the standard length of time as specified in the mixture design specifications.
- G. The proper quantity of bitumen (asphalt cement, liquid) is added to the pug mill and wet mixing proceeds for the standard length of time as specified in the design mixture specifications.
- H. The asphalt batch is accumulated and discharged normally.
- I. The asphalt batch is discharged to a haul vehicle or storage.

2.5 Drum Type Mixers and Mixing Operations

- A. Ensure adequate start, stop, and rate change information is easily communicated between drum control operations and fiber addition activities.
- B. Add complete bags of fiber at a point in the mixing process after fines collection and before the addition of liquid asphalt.
- C. Add fibers after the fines collection to ensure the fibers do not clog filters.
- D. Add fibers before the liquid asphalt addition.
- E. Add complete bags of fibers at the general nominal rate agreed to by operations and mixture design specifications.

Fiber-Reinforced Asphalt Cement Concrete

- F. Do NOT open the bags at any point in the loading process.
- G. Mixing should proceed for the standard length of time as specified in the mixture design specifications.
- H. The proper quantity of bitumen (asphalt cement, liquid) is added to the drum and wet mixing proceeds for the standard length of time as specified in the mixture design specifications.
- I. The asphalt batch is accumulated and discharged normally.
- J. The asphalt batch is discharged to a haul vehicle or storage.

Part 3 Execution

3.1 Placement

- A. Discharge fiber reinforced asphalt cement concrete into locations as directed and in accordance with the project.
- B. Place asphalt cement concrete in accordance with provision of other Sections and with additional instructions as follows.
- C. Avoid over-using long tine rakes or other tools that will align fibers or disrupt the homogeneous, uniform 3-dimensional, fiber dispersion when moving asphalt cement concrete.
- D. Using a lute, “come along”, or a flat tined pitch-fork (potato-fork) may be useful for moving asphalt cement concrete.
- E. Remove any observed fiber balls from mixture if they occur.
- F. Adjust operations regarding any observed fiber balls.

3.2 Compaction

- A. Verify timing for initial and final compaction on more than a visual determination.
- B. Hand Compaction/Finishing: use appropriate tools as required.

3.3 Schedules

- A. Use fiber-reinforced asphalt cement concrete in these locations scheduled as follows:
 - 1. HMA fibers: See Typical Sections

END OF SECTION

DETECTABLE WARNING SPECIFICATION

10 GAUGE GALVANIZED STEEL WET-SET DETECTABLE WARNING TILE

Description

Specifications for furnishing and installing **Wet-Set Galvanized Steel** (tactile) tiles in an in-line dome pattern, embedded in curb ramps and walking surfaces at the dimensions shown on drawings as directed by the engineer of record.

Materials

Wet-Set, G90 Galvanized Steel (tactile) **shall be** manufactured using 10 gauge material.

10 gauge material shall be from the United States of America.

Galvanized Steel (tactile) **shall be** made in the United States of America.

Galvanized Steel (tactile) **shall be** powder coated to comply with proposed color.

Color

Contractor must verify with City of DeKalb prior to ordering.

Physical Characteristic

Galvanized Steel (tactile) tiles **shall be** 10 gauge.

Raised truncated domes shall have a diameter of **0.91"**, a height of **0.2"**, and a center to center spacing of **2.35" to 2.40"**.

Wet-Set Galvanized Steel (tactile) tiles shall feature stainless steel #14 tamper resistant screws with embedded 1.75" self-threading corrosion resistant composite anchor.

Anchor attachment **shall be** flush with the bottom side of the tile. Anchor attachment points extending below the bottom side of the tile **shall not be** permitted.

Must Comply With The Following

Americans with Disability Act (ADA) (42 U.S.C. 12101 et seq.) Accessibility Guidelines (ADAAG) for Public Rights - of - Way (July 26, 2011)

ISO 23599:2012-03-01 Assistive products for the blind and vision impaired persons- Tactile Walking Surface Indicators

Federal Highway Administration, 23 U.S.C. & 313- Buy America; 23 C.F.R. & 635.410

American Recovery and Reinvestment Act of 2009, Section 1605- Buy America

Federal Transit Administration, 49 U.S.C & 532(j); 49 C.F.R. Part 661

DeKalb County Prevailing Wage Rates posted on 2/10/2021

Trade Title	Rg	Type	C	Base	Foreman	Overtime				H/W	Pension	Vac	Trng	Other Ins
						M-F	Sa	Su	Hol					
ASBESTOS ABT-GEN	All	BLD		40.39	41.39	1.5	1.5	2.0	2.0	9.35	19.97	0.00	0.80	
ASBESTOS ABT-MEC	All	BLD		38.44	41.51	1.5	1.5	2.0	2.0	14.07	12.51	0.00	0.77	
BOILERMAKER	All	BLD		51.56	56.20	2.0	2.0	2.0	2.0	6.97	21.58	0.00	1.20	
BRICK MASON	All	BLD		47.56	52.32	1.5	1.5	2.0	2.0	11.20	20.51	0.00	0.97	
CARPENTER	All	BLD		42.37	47.03	1.5	1.5	2.0	2.0	11.79	19.30	0.00	0.73	
CARPENTER	All	HWY		43.56	45.31	1.5	1.5	2.0	2.0	11.79	19.30	0.00	0.73	
CEMENT MASON	All	ALL		48.20	50.20	2.0	1.5	2.0	2.0	10.90	23.86	0.00	0.50	
CERAMIC TILE FINISHER	All	BLD		41.80	41.80	1.5	1.5	2.0	2.0	11.25	13.41	0.00	0.88	
COMMUNICATION TECHNICIAN	All	BLD		41.36	45.50	1.5	1.5	2.0	2.0	14.54	16.03	0.00	0.83	
ELECTRIC PWR EQMT OP	All	ALL		44.61	60.87	1.5	1.5	2.0	2.0	6.50	12.49	0.00	1.01	1.34
ELECTRIC PWR GRNDMAN	All	ALL		34.27	60.87	1.5	1.5	2.0	2.0	6.50	9.60	0.00	0.77	1.03
ELECTRIC PWR LINEMAN	All	ALL		53.63	60.87	1.5	1.5	2.0	2.0	6.50	15.02	0.00	1.21	1.61
ELECTRIC PWR TRK DRV	All	ALL		35.52	60.87	1.5	1.5	2.0	2.0	6.50	9.95	0.00	0.80	1.07
ELECTRICIAN	All	BLD		48.62	53.48	1.5	1.5	2.0	2.0	14.54	21.46	0.00	0.97	
ELEVATOR CONSTRUCTOR	All	BLD		53.80	60.53	2.0	2.0	2.0	2.0	15.72	18.41	4.30	0.63	
FENCE ERECTOR	SE	ALL		47.99	51.83	2.0	2.0	2.0	2.0	13.06	24.15	0.00	1.03	
GLAZIER	All	BLD		41.93	43.93	1.5	1.5	1.5	2.0	12.67	9.53	0.00	1.35	
HEAT/FROST INSULATOR	All	BLD		51.25	54.33	1.5	1.5	2.0	2.0	14.07	14.26	0.00	0.77	
IRON WORKER	NW	ALL		40.85	45.75	2.0	2.0	2.0	2.0	12.66	28.22	0.00	1.55	
IRON WORKER	SE	ALL		47.99	51.83	2.0	2.0	2.0	2.0	13.06	24.15	0.00	1.03	
LABORER	All	BLD		35.84	36.84	1.5	1.5	2.0	2.0	9.35	19.97	0.00	0.80	
LABORER	All	HWY		37.34	38.09	1.5	1.5	2.0	2.0	9.35	23.97	0.00	0.80	
LABORER, SKILLED	All	HWY		40.39	41.14	1.5	1.5	2.0	2.0	9.35	23.97	0.00	0.80	
LATHER	All	BLD		42.37	47.03	1.5	1.5	2.0	2.0	11.79	19.30	0.00	0.73	
MACHINIST	All	BLD		49.68	52.18	1.5	1.5	2.0	2.0	7.93	8.95	1.85	1.47	
MARBLE FINISHER	All	BLD		35.73	49.05	1.5	1.5	2.0	2.0	11.20	18.71	0.00	0.87	
MARBLE MASON	All	BLD		46.71	51.38	1.5	1.5	2.0	2.0	11.20	19.98	0.00	0.95	
MATERIAL TESTER I	All	ALL		40.39	41.14	1.5	1.5	2.0	2.0	9.35	23.97	0.00	0.80	
MATERIALS TESTER II	All	ALL		40.39	41.14	1.5	1.5	2.0	2.0	9.35	23.97	0.00	0.80	
MILLWRIGHT	All	BLD		41.88	46.07	1.5	1.5	2.0	2.0	11.66	17.25	0.00	0.70	
OPERATING ENGINEER	All	BLD	1	47.15	51.15	2.0	2.0	2.0	2.0	20.90	16.90	2.85	2.05	

OPERATING ENGINEER	All	BLD	2	46.45	51.15	2.0	2.0	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	BLD	3	44.00	51.15	2.0	2.0	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	BLD	4	42.00	51.15	2.0	2.0	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	BLD	5	50.90	51.15	2.0	2.0	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	BLD	6	50.15	51.15	2.0	2.0	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	BLD	7	47.15	51.15	2.0	2.0	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	HWY	1	47.00	51.00	1.5	1.5	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	HWY	2	46.45	51.00	1.5	1.5	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	HWY	3	45.15	51.00	1.5	1.5	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	HWY	4	43.70	51.00	1.5	1.5	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	HWY	5	42.25	51.00	1.5	1.5	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	HWY	6	50.00	51.00	1.5	1.5	2.0	2.0	20.90	16.90	2.85	2.05	
OPERATING ENGINEER	All	HWY	7	48.00	51.00	1.5	1.5	2.0	2.0	20.90	16.90	2.85	2.05	
ORNAMENTAL IRON WORKER	SE	ALL		47.99	51.83	2.0	2.0	2.0	2.0	13.06	24.15	0.00	1.03	
PAINTER	All	ALL		48.30	50.30	1.5	1.5	1.5	2.0	18.23	3.65	0.00	1.45	
PAINTER - SIGNS	All	BLD		40.74	45.75	1.5	1.5	2.0	2.0	3.04	3.90	0.00	0.00	
PILEDRIIVER	All	BLD		43.37	48.14	1.5	1.5	2.0	2.0	11.79	19.30	0.00	0.73	
PILEDRIIVER	All	HWY		44.56	46.31	1.5	1.5	2.0	2.0	11.79	19.30	0.00	0.73	
PIPEFITTER	All	BLD		50.75	53.75	1.5	1.5	2.0	2.0	10.85	20.85	0.00	2.92	
PLASTERER	All	BLD		45.00	47.70	1.5	1.5	2.0	2.0	15.75	18.14	0.00	1.25	
PLUMBER	All	BLD		52.00	55.10	1.5	1.5	2.0	2.0	16.22	15.60	0.00	1.40	
ROOFER	All	BLD		45.75	49.75	1.5	1.5	2.0	2.0	11.23	13.61	0.00	0.91	
SHEETMETAL WORKER	All	BLD		44.49	48.00	1.5	1.5	2.0	2.0	7.85	20.78	0.00	0.65	0.90
SPRINKLER FITTER	All	BLD		41.97	44.72	1.5	1.5	2.0	2.0	10.23	14.02	0.00	0.52	
STEEL ERECTOR	SE	ALL		47.99	51.83	2.0	2.0	2.0	2.0	13.06	24.15	0.00	1.03	
STONE MASON	All	BLD		47.56	52.32	1.5	1.5	2.0	2.0	11.20	20.51	0.00	0.97	
TERRAZZO FINISHER	All	BLD		43.54	43.54	1.5	1.5	2.0	2.0	11.25	15.61	0.00	0.90	
TERRAZZO MASON	All	BLD		47.38	50.88	1.5	1.5	2.0	2.0	11.25	17.07	0.00	0.94	
TILE LAYER	All	BLD		42.37	47.03	1.5	1.5	2.0	2.0	11.79	19.30	0.00	0.73	
TILE MASON	All	BLD		48.75	52.75	1.5	1.5	2.0	2.0	11.25	16.90	0.00	0.95	
TRUCK DRIVER	All	ALL	1	39.08	39.63	1.5	1.5	2.0	2.0	9.75	13.08	0.00	0.15	
TRUCK DRIVER	All	ALL	2	39.23	39.63	1.5	1.5	2.0	2.0	9.75	13.08	0.00	0.15	
TRUCK DRIVER	All	ALL	3	39.43	39.63	1.5	1.5	2.0	2.0	9.75	13.08	0.00	0.15	
TRUCK DRIVER	All	ALL	4	39.63	39.63	1.5	1.5	2.0	2.0	9.75	13.08	0.00	0.15	
TUCK POINTER	All	BLD		47.25	48.25	1.5	1.5	2.0	2.0	8.59	19.48	0.00	0.94	

Legend

Rg Region

Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

C Class

Base Base Wage Rate

OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

OT Sa Overtime pay required for every hour worked on Saturdays

OT Su Overtime pay required for every hour worked on Sundays

OT Hol Overtime pay required for every hour worked on Holidays

H/W Health/Welfare benefit

Vac Vacation

Trng Training

Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations DEKALB COUNTY

IRONWORKERS (NORTHWEST) - That portion of the county from a point where the western county line intersects with Rt. 30, continuing eastward to Shabbona, north between Shabbona and Clare, and northeast between Clare and New Lebanon.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings,

plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Installing, manufacturing, assembling and maintaining sound and intercom, protection alarm (security), fire alarm, master antenna television, closed circuit television, low voltage control for computers and/or door monitoring, school communications systems, telephones and servicing of nurse and emergency calls, and the installation and maintenance of transmit and receive antennas, transmitters, receivers, and associated apparatus which operates in conjunction with above systems. All work associated with these system installations will be included EXCEPT the installation of protective metallic conduit in new construction projects (excluding less than ten-foot, runs strictly for protection of cable) and 120 volt AC (or higher) power wiring and associated hardware.

LABORER, SKILLED - HIGHWAY

Individuals engaged in the following types of work, irrespective of the site of the work: asbestos abatement worker, handling of any materials with any foreign matter harmful to skin or clothing, track laborer, cement handlers, chloride handlers, the unloading and loading with steel workers and re-bars, concrete workers wet, tunnel helpers in free air, batch dumpers, mason tenders, kettle and tar men, tank cleaners, plastic installers, scaffold workers, motorized buggies or motorized unit used for wet concrete or handling of building materials, laborers with de-watering systems, sewer workers plus depth, rod and chainmen with technical engineers, rod and chainmen with land surveyors, rod and chainmen with surveyors, vibrator operators, cement silica, clay, fly ash, lime and plasters, handlers (bulk or bag), cofferdam workers plus depth, on concrete paving, placing, cutting and tying of reinforcing, deck hand, dredge hand, and shore laborers, bankmen on floating plant, grade checker, power tools, front end man on chip spreaders, cassion workers plus depth, gunnite nozzle men, lead man on sewer work, welders, cutters, burners and torchmen, chainsaw operators, jackhammer and drill operators, layout man and/or drainage tile layer, steel form setter - street and highway, air tamping hammermen, signal man on crane, concrete saw operator, screedman on asphalt pavers, laborers tending masons with hot material or where foreign materials are used, mortar mixer operators, multiple concrete duct - leadsman, lumen, asphalt raker, curb asphalt machine operator, ready mix scalemen (permanent, portable or temporary plant), laborers handling masterplate or similar materials, laser beam operator, concrete burning machine operator, coring machine operator, plaster tender, underpinning and shoring of buildings, pump men, manhole and catch basin, dirt and stone tamper, hose men on concrete pumps, hazardous waste worker, lead base paint abatement worker, lining of pipe, refusing machine, assisting on direct boring machine, the work of laying watermain, fire hydrants, all mechanical joints to watermain work, sewer worker, and tapping water service and forced lift station mechanical worker.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEERS - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver (over 27E cu. ft.); Concrete Paver (27 cu. ft. and under); Concrete Placer; Concrete Pump (Truck Mounted); Concrete Conveyor (Truck Mounted); Concrete Tower; Cranes, All; GCI and similar types (required two operators only); Cranes, Hammerhead; Creter Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, one, two and three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment -

excluding hose work and any sewer work); Locomotives, All; Lubrication Technician; Manipulators; Motor Patrol; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Raised and Blind Hole Drill; Rock Drill (self-propelled); Rock Drill - Truck Mounted; Roto Mill Grinder; Scoops - Tractor Drawn; Slipform Paver; Scrapers Prime Movers; Straddle Buggies; Tie Back Machine; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Bobcat (over 3/4 cu. yd.); Boilers; Brick Forklift; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Asphalt Spreader; Combination - Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators - (Rheostat Manual Controlled); Hydraulic Power Units (Pile Driving, Extracting, or Drilling - with a seat); Lowboys; Pumps, Over 3" (1 to 3 not to exceed total of 300 ft.); Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches; Bobcat (up to and including 3/4 cu. yd.).

Class 4. Elevator push button with automatic doors; Hoists, Inside; Oilers; Brick Forklift.

Class 5. Assistant Craft Foreman

Class 6. Mechanics; Welders.

Class 7. Gradall

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Silo Tender; Asphalt Spreader; Autograder; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Backhoe w/shear attachments; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower of all types; Creter Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Directional Boring Machine over 12"; Dredges; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Mounted; Hoists, One, Two and Three Drum; Hydraulic Backhoes; Hydro Vac, Self Propelled, Truck Mounted (excluding hose work and any sewer work); Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; GCI Crane; Hydraulic Telescoping Form (Tunnel); Tie Back Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader with attached pusher; Tractor with Boom; Tractaire with Attachments; Traffic Barrier Conveyor Machine; Raised or Blind Hole Drills; Trenching Machine (over 12"); Truck Mounted Concrete Pump with Boom; Truck Mounted Concrete Conveyor; Work Boat (no license required - 90 h.p. or above); Underground Boring and/or Mining Machines; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw (large self-propelled - excluding walk-behinds and hand-held); Conveyor Muck Cars (Haglund or Similar Type); Drills, all; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro Blaster; All Locomotives, Dinky; Off-Road Hauling Units; Non-Self Loading Dump; Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows;

Rototiller, Seaman, etc., self-propelled; Scoops - Tractor Drawn; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper; Scraper - Prime Mover in Tandem (Regardless of Size); Tank Car Heater; Tractors, Push, Pulling Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Fireman on Boilers; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper - Form - Motor Driven.

Class 4. Air Compressor - Small and Large; Asphalt Spreader, Backend Man; Bobcat (Skid Steer) all; Brick Forklift; Combination - Small Equipment Operator; Directional Boring Machine up to 12"; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Hydro-Blaster; Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Tractaire; Trencher 12" and under; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. Oilers and Directional Boring Machine Locator.

Class 6. Field Mechanics and Field Welders

Class 7. Gradall and machines of like nature.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters Unskilled dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.