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**SEE SHEET 2 FOR LIST OF  
HIGHWAY STANDARDS**

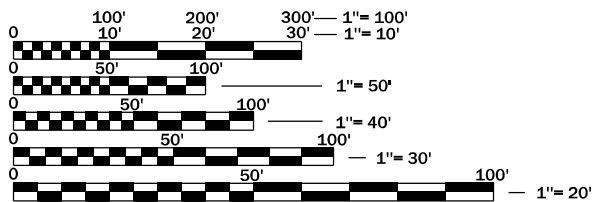
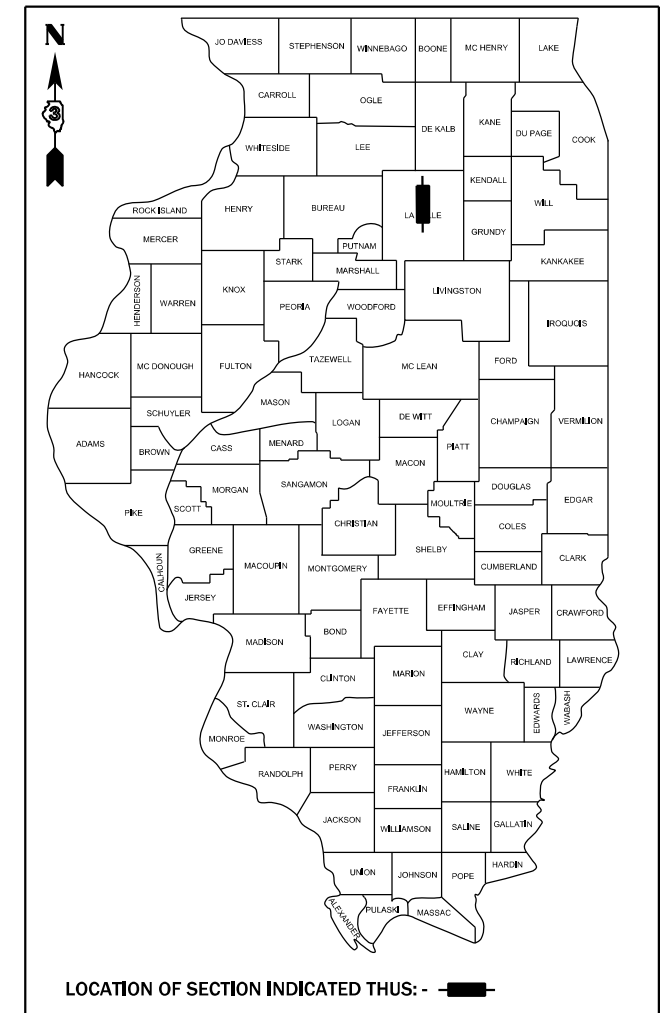
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

# PROPOSED HIGHWAY PLANS

**FAP ROUTE 68 (IL 23)  
SECTION (3) RS-5  
PROJECT COVD-DCKB(695)  
3P MILLING & RESURF. (DESIGNED OVERLAY)  
LASALLE COUNTY  
C-93-019-06**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	1
		ILLINOIS	CONTRACT NO. 66616	

D-93-015-06

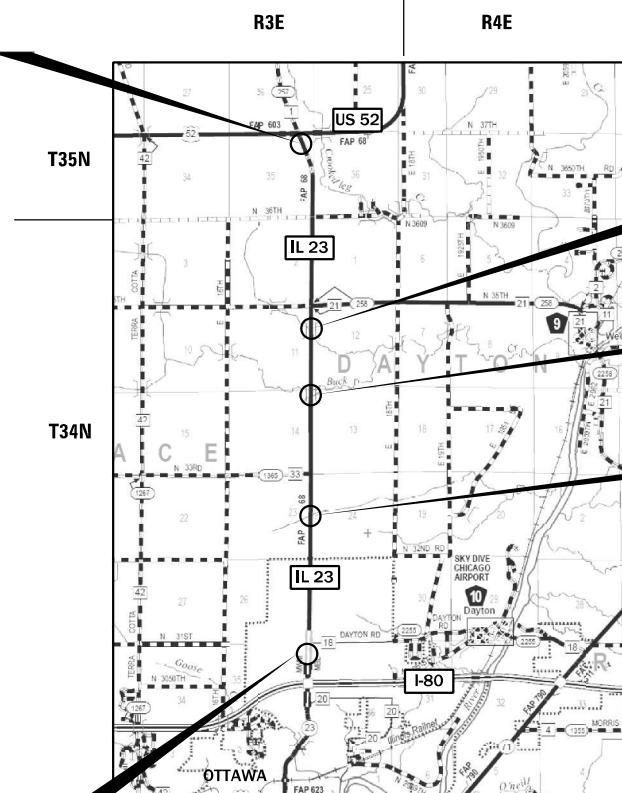


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

**J.U.L.I.E.**  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

**PROJECT ENGINEER BRAD DUNCAN, P.E.**  
**UNIT CHIEF LUIS CALDERON, P.E.**  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66616

**END PROJECT  
STA. 12 + 60**



SEE SHEET 3 FOR STATION EQUATIONS NOT SHOWN

**START PROJECT  
STA. 345 + 75**

GROSS LENGTH = 33,305 FT. = 6.31 MILES  
NET LENGTH = 33,105 FT. = 6.27 MILES

**SN-050-2001  
STA. 134 + 14.46**

**SN 050-0255  
STA 240 + 61**

**SN-050-2008  
STA. 248 + 90**

**FUNCTIONAL CLASSIFICATION  
MINOR ARTERIAL**

URBAN	RURAL
2019 ADT = 16500	2019 ADT = 4850
P.V. = 87.27%	P.V. = 88.66%
S.U. = 8.18%	S.U. = 5.15%
M.U. = 4.55%	M.U. = 6.19%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 21 20 22

*Mamad Ahmad*  
REGIONAL ENGINEER

May 13, 2022 *J. A. Etk*

ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022 *Stephen M. Smith*

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

- 1) THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.
- 2) EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 3) BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- 4) THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
- 5) THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES ( 100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
- 6) ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.
- 7) ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.
- 8) THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
BINDER (HAND METHOD)	0.0005	TONS / SQ YD

- 9) THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.
- 10) ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

- 11) THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.
- 12) NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: \*ILLINOIS DEPARTMENT OF TRANSPORTATION
- 13) THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

**COMMITMENTS**

- 1) ENVIRONMENTAL COORDINATION
- 2) ENVIRONMENTAL REQUIREMENTS: NO IN-STREAM RELATED WORK SHALL BE PERFORMED ON STRUCTURE 050-0255 (OVER BUCK CREEK) DUE TO PRESENCE OF ENDANGERED RESOURCES.

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
635001-02	DELINEATORS
642006-01	SHOULDER RUMBLE STRIPS, 8 INCH
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-09	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	PRISMATIC CURB REFLECTORS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

PREPARED BY: \_\_\_\_\_  
DISTRICT STUDIES & PLANS ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

DATE: \_\_\_\_\_

START & END DATES  
OF CONSTRUCTION:

EXAMINED BY: \_\_\_\_\_  
DISTRICT CONSTRUCTION ENGINEER

INSPECTORS: \_\_\_\_\_

\_\_\_\_\_  
DISTRICT MATERIALS ENGINEER

\_\_\_\_\_  
DISTRICT OPERATIONS ENGINEER

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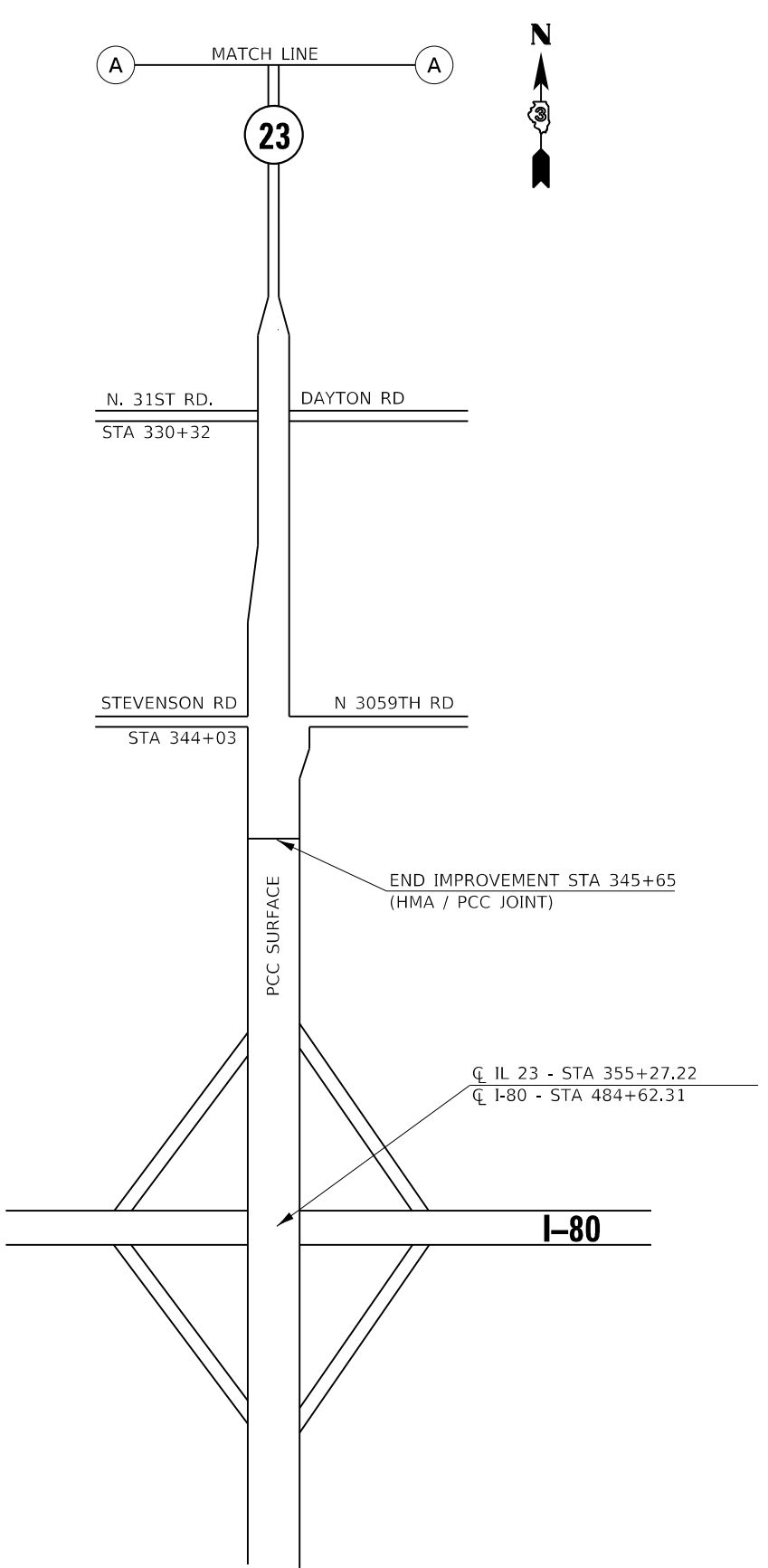
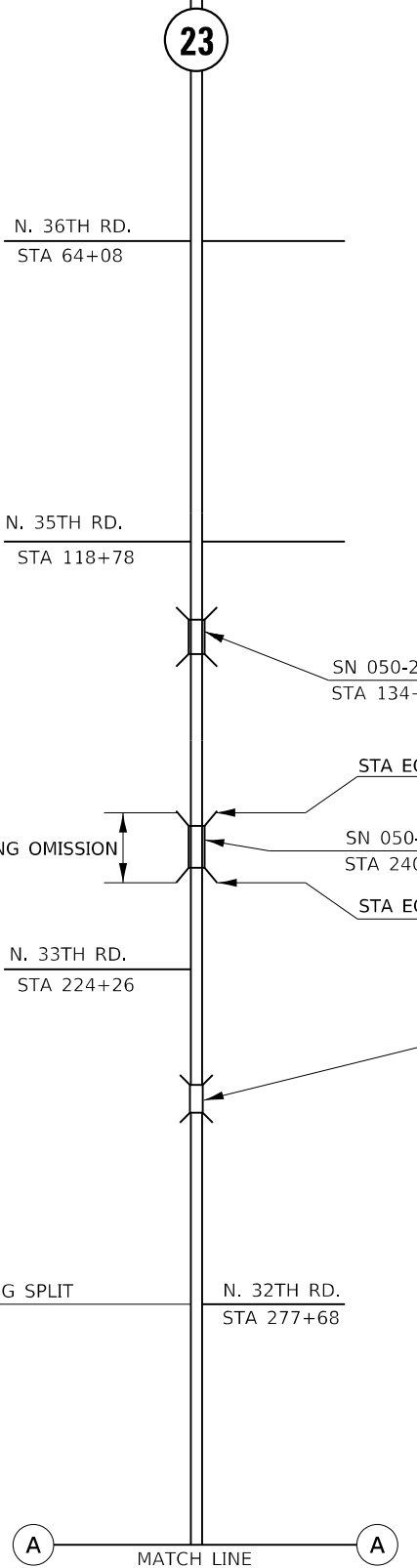
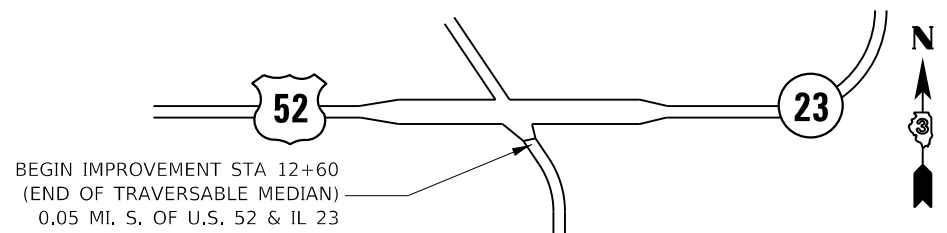
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PLOT DATE = 3/18/2022	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	2
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				



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STATIONS BASED ON 1970'S RECONSTRUCTION CONTRACT

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	3
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				COVD 100% FEDERAL ROADWAY 0005 RURAL	COVD 100% FEDERAL ROADWAY 0005 URBAN				
				20200100	EARTH EXCAVATION	CU YD	25		25
				20400800	FURNISHED EXCAVATION	CU YD	20	20	
20800150	TRENCH BACKFILL	CU YD	41	41					
21400100	GRADING AND SHAPING DITCHES	FOOT	2772	1662	1110				
25000210	SEEDING, CLASS 2A	ACRE	0.79	0.65	0.14				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	75	61	14				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	75	61	14				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	75	61	14				
25100630	EROSION CONTROL BLANKET	SQ YD	3817	3177	640				
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	3	3					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	90257	61533	28724				
40600370	LONGITUDINAL JOINT SEALANT	FOOT	106488	78924	27564				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	32.1	21	11.1				
40600901	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70	TON	53.6	35.1	18.5				

\*SPECIALTY ITEMS

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -						68	(3) RS-5	LASALLE	41	4
PLOT DATE = 3/18/2022	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 66616				
DATE -	REVISED -			ILLINOIS FED. AID PROJECT								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				COVD 100% FEDERAL ROADWAY	COVD 100% FEDERAL ROADWAY
				0005	0005
				RURAL	URBAN
40600990	TEMPORARY RAMP	SQ YD	1421	447	974
40603085	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70	TON	16076	11072	5004
40604062	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70	TON	10715	7381	3334
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	700	594	106
42001300	PROTECTIVE COAT	SQ YD	86		86
44000100	PAVEMENT REMOVAL	SQ YD	19		19
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	130585	88475	42110
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	168		168
44003100	MEDIAN REMOVAL	SQ FT	338		338
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	13	13	
44201003	CLASS B PATCHES, TYPE I, 13 INCH	SQ YD	8	8	
44201299	DOWEL BARS 1 1/2"	EACH	40	40	
44213200	SAW CUTS	FOOT	102	102	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1596	1333	263

\*SPECIALTY ITEMS

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PLOT DATE = 3/18/2022	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 66616				
DATE -	REVISED -			ILLINOIS FED. AID PROJECT								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				COVD 100% FEDERAL ROADWAY	COVD 100% FEDERAL ROADWAY
				0005 RURAL	0005 URBAN
48203100	HOT-MIX ASPHALT SHOULDERS	TON	624	125	499
50105220	PIPE CULVERT REMOVAL	FOOT	68	68	
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	56	56	
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2	2	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1	
60100935	PIPE DRAINS 10"	FOOT	2595	2595	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	168		168
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	338		338
60920015	PIPE CULVERTS TO BE CLEANED 15"	FOOT	189		189
60920018	PIPE CULVERTS TO BE CLEANED 18"	FOOT	63		63
60920024	PIPE CULVERTS TO BE CLEANED 24"	FOOT	92		92
61100605	MISCELLANEOUS CONCRETE	CU YD	0.2	0.2	
61101009	STORM SEWERS PROTECTED, CLASS A, 8"	FOOT	110	110	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	175	175	

\*SPECIALTY ITEMS

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DATE -	REVISED -	SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	REV 4/6/22	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				COVD 100% FEDERAL ROADWAY 0005 RURAL	COVD 100% FEDERAL ROADWAY 0005 URBAN
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	450	450	
63500105	DELINEATORS	EACH	4	3	1
* 66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	5	4	1
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25		25
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2		2
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1		1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2		2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5	
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.8	0.2
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.8	0.2
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1

\*SPECIALTY ITEMS

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				COVD 100% FEDERAL ROADWAY 0005 RURAL	COVD 100% FEDERAL ROADWAY 0005 URBAN
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	17040	7956	9084
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3787	1768	2019
* 72000100	SIGN PANEL - TYPE 1	SQ FT	80		80
* 72000200	SIGN PANEL - TYPE 2	SQ FT	46		46
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	58		58
* 72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	44		44
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	716		716
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12054		12054
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	280		280
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3320		3320
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1264		1264

\*SPECIALTY ITEMS

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				COVD 100% FEDERAL ROADWAY 0005 RURAL	COVD 100% FEDERAL ROADWAY 0005 URBAN				
				* 78004640	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8"	FOOT	1130		1130
				* 78004720	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 24"	FOOT	391		391
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	126736	109118	17618				
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	15420	13320	2100				
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	160	160					
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	82	82					
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	114	114					
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	8711		8711				
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	280		280				
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	4450		4450				
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1264		1264				
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	391		391				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	625	332	293				
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	24	24					

\*SPECIALTY ITEMS

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USER NAME = ZAGARIK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -						68	(3) RS-5	LASALLE	41	9
PLOT DATE = 3/18/2022	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 66616		ILLINOIS FED. AID PROJECT		
	DATE -	REVISED -										

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				COVD 100% FEDERAL ROADWAY 0005 RURAL	COVD 100% FEDERAL ROADWAY 0005 URBAN				
				* 78200020	CURB REFLECTORS	EACH	20	8	12
				78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	625	332	293
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2				
X0320586	FLEXIBLE DELINEATORS	EACH	3	1	2				
X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	12	12					
* X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	2		2				
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	4755	4032	723				
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	16		16				
X5619210	WATER VALVES TO BE ADJUSTED, SPECIAL	EACH	1		1				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4		4				
X6300210	GUARDRAIL BLOCKS	EACH	8	8					
* X6331007	REMOVAL AND REPLACEMENT OF STEEL PLATE BEAM GUARDRAIL, RAIL ELEMENT	FOOT	50	50					
X6350120	DELINEATOR REMOVAL	EACH	4	3	1				
* X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	2		2				

\*SPECIALTY ITEMS

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -						68	(3) RS-5	LASALLE	41	10
PLOT DATE = 3/18/2022	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 66616				
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				COVD 100% FEDERAL ROADWAY 0005 RURAL	COVD 100% FEDERAL ROADWAY 0005 URBAN				
				Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	21	21
				Z0033072	VIDEO VEHICLE DETECTION SYSTEM	EACH	2		2
Z0034105	MATERIAL TRANSFER DEVICE	TON	26139	18453	7686				
Z0055400	RUMBLE STRIP	FOOT	55591	48213	7378				
∅ Z0076600	TRAINEES	HOUR	1000	1000					
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1000	1000					

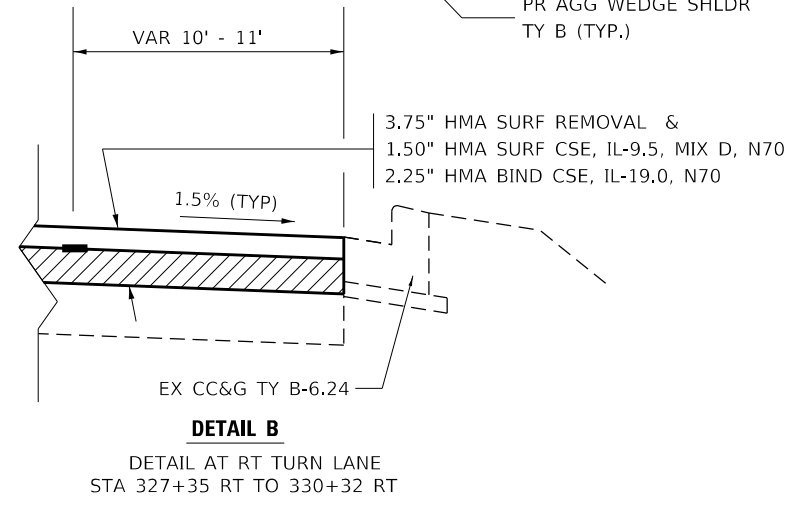
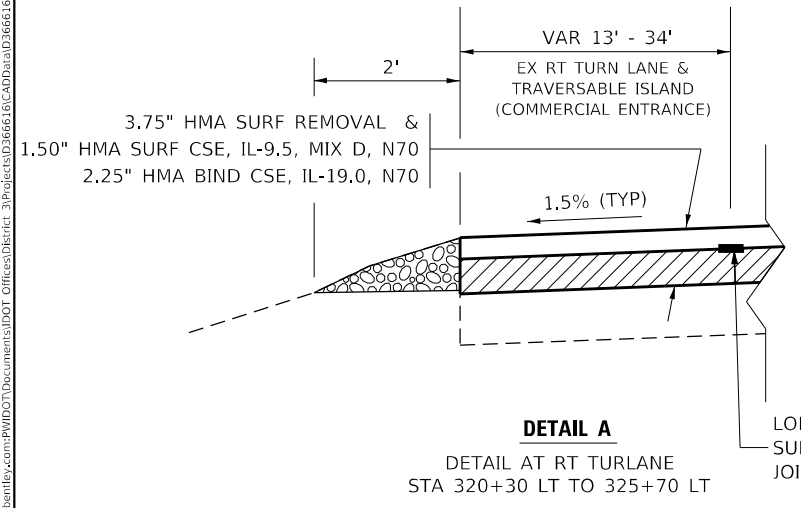
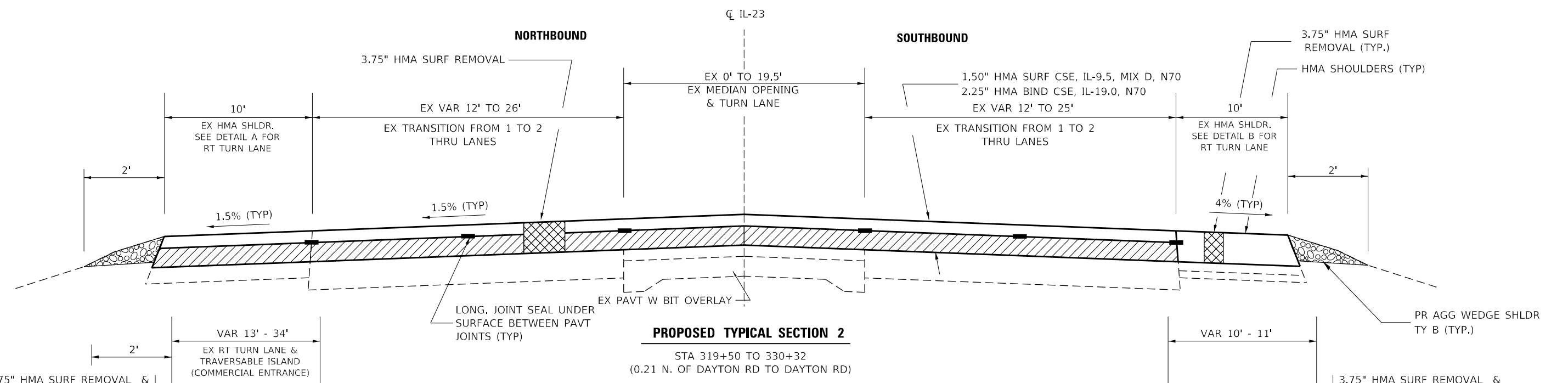
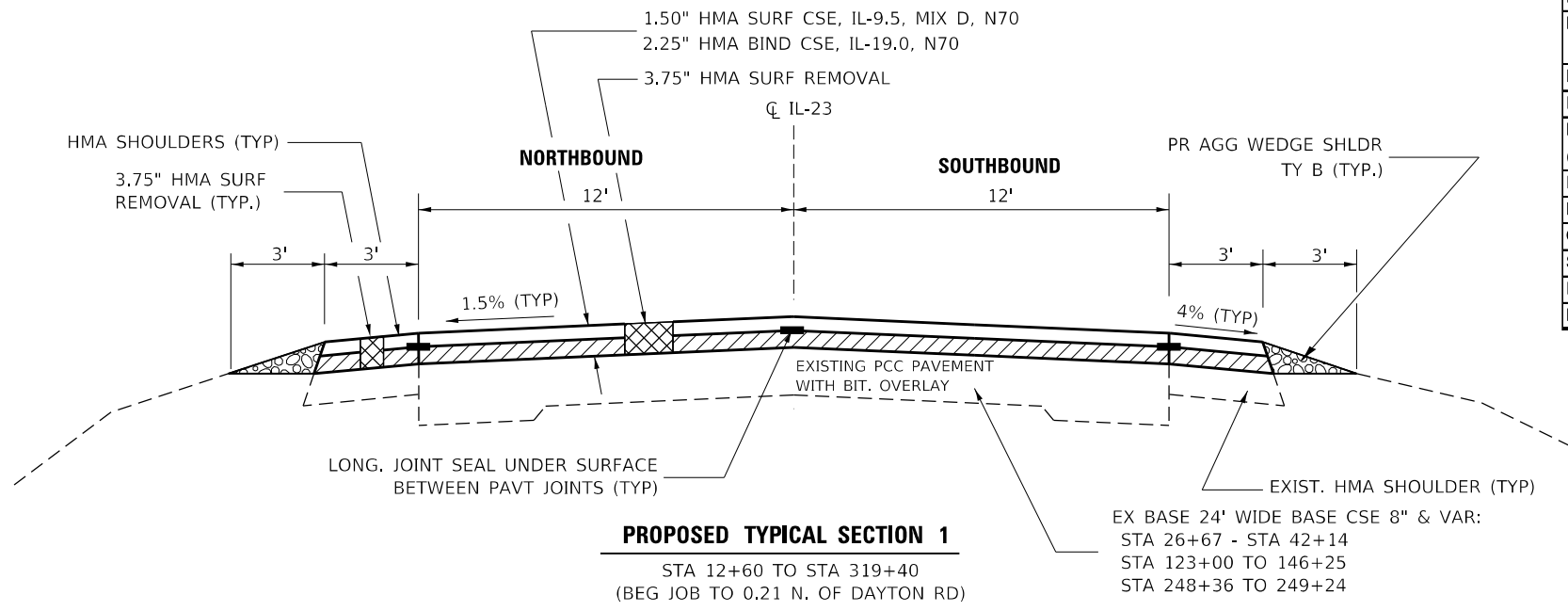
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\*SPECIALTY ITEMS

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USER NAME = ZAGARIK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	68			(3) RS-5	LASALLE	41	11	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 66616				
DATE = 3/18/2022	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

HMA MIXTURE REQUIREMENT TABLE					
LOCATIONS:	ENTIRE PROJECT		ENTIRE PROJECT		ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER	HMA SURFACE	HMA SHOULDER BOTTOM LIFT	HMA SHOULDER TOP LIFT	HMA INCIDENTAL
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION):	IL 19.0	IL 9.5	IL 19.0	IL 9.5	IL 9.5
FRICTION AGGREGATE:		MIXTURE D		MIXTURE C	MIXTURE C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCP	QCP	QCQA	QCQA	QCQA
SUBLOT SIZE:	1000 TONS	1000 TONS	NA	NA	NA
DENSITY TEST METHOD:	CORES	CORES	CORES/NUCLEAR	CORES/NUCLEAR	SATISFACTION OF ENGINEER
MATERIAL TRANSFER DEVICE (REQUIRED):	YES	YES	NO	NO	NO



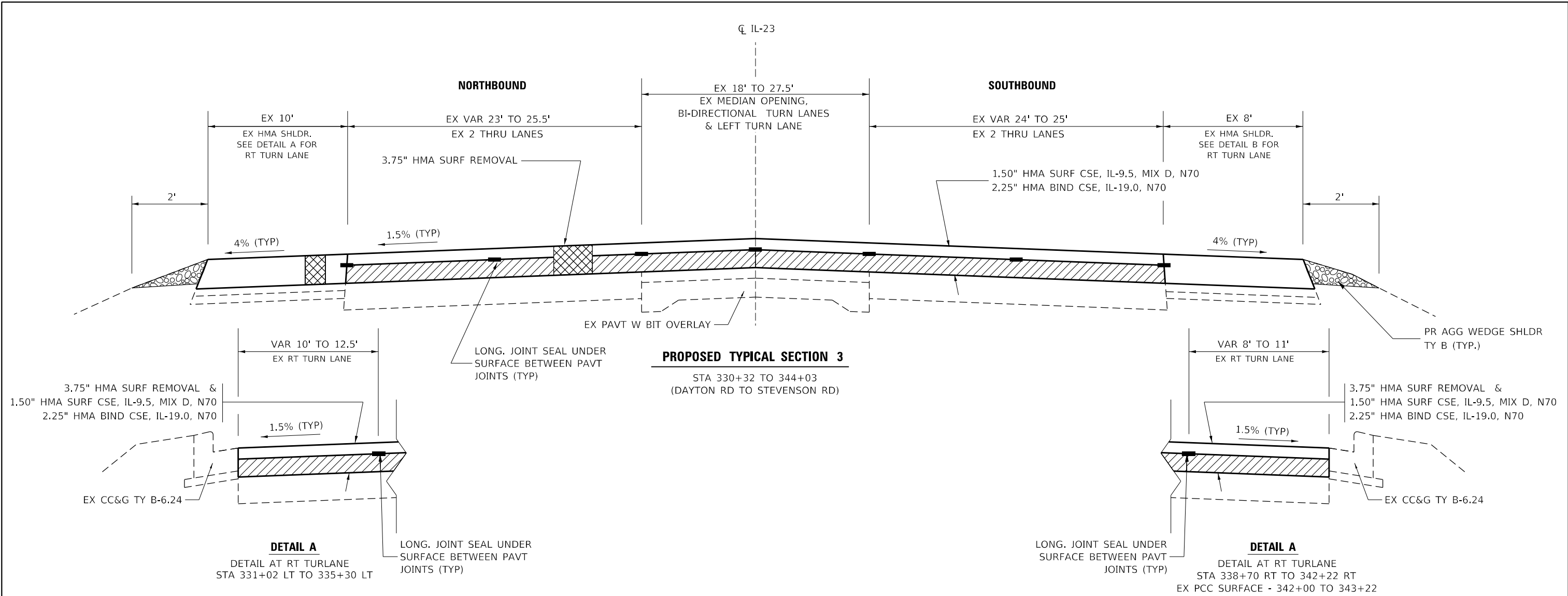
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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/18/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

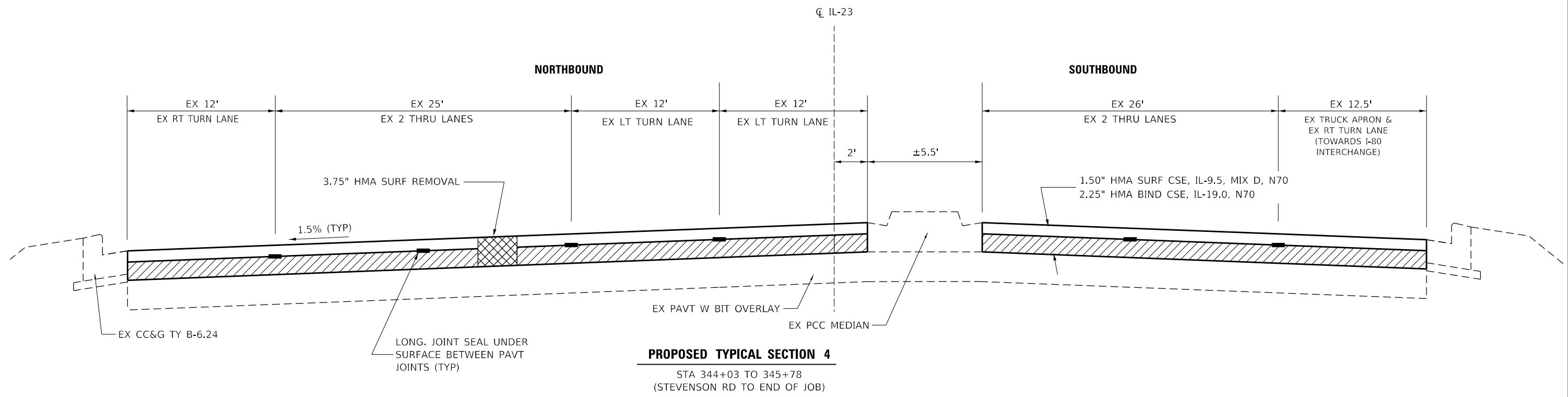
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	12
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				



**PROPOSED TYPICAL SECTION 3**

STA 330+32 TO 344+03  
(DAYTON RD TO STEVENSON RD)



**PROPOSED TYPICAL SECTION 4**

STA 344+03 TO 345+78  
(STEVENSON RD TO END OF JOB)

MODEL: Default  
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	DRAWN -	REVISD -					68	(3) RS-5	LASALLE	41	13
	CHECKED -	REVISD -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 66616				
DATE -	REVISD -				ILLINOIS FED. AID PROJECT						



MAINLINE SCHEDULE														
LOCATION			LENGTH	MAINLINE WIDTH	HMA SURF REM 3.75"	HMA BC HM N70	HMA BC IL-19.0 N70 (2.25")	HMA SC IL-9.5 "D" N70 (1.50")	MIX CR JTS & FLANGE-WAYS	BIT MATLS TACK CT	LONG JOINT SEALANT *	TEMP RAMP	MATL TRANSFER DEVICE	
STA	TO	STA	FOOT	FOOT	SQ YD	TON	TON	TON	TON	POUND	FOOT	SQ YD	TON	
COVD-RURAL (STA 12+60 TO 277+68)														
12+60	TO	13+00	40	24 TO 26	111	0.06	14	9	0.03	75	120	36	23	
13+00	TO	65+00	5,200	24	13,867	6.93	1,747	1,165	4.16	9,360	15,600		2,912	
65+00	TO	118+50	5,350	24	14,267	7.13	1,798	1,198	4.28	9,630	16,050	33	2,996	
118+50	TO	173+88	5,538	24	14,768	7.38	1,861	1,241	4.43	9,968	16,614	33	3,102	
PAVING OMISSION (200') SN 050-0255 - STA EQ 173+88 BK = STA 241+61 AH TO STA EQ 239+61 = 175+88 AH														
175+88	TO	277+68	10,180	24	27,147	13.57	3,421	2,280	8.14	18,324	30,540	33	5,701	
<b>TOTAL COVD-RURAL</b>			<b>26,308</b>		<b>70,160</b>	<b>35.1</b>	<b>8,841</b>	<b>5,893</b>	<b>21.0</b>	<b>47,357</b>	<b>78,924</b>	<b>135</b>	<b>14,734</b>	
COVD-URBAN (STA 277+68 TO 345+75)														
277+68	TO	319+52	4,184	24	11,157	5.58	1,406	937	3.35	7,531	12,552		2,343	
319+52	TO	325+70	618	24 TO 70.5	3,245	1.62	409	273	0.97	2,190	3,042	98	682	
**	320+00	TO	325+70	570	10 TO 34	1,229	0.61	155	103	0.37	830	0	258	
325+70	TO	329+20	350	81.5	3,169	1.58	399	266	0.95	2,139	2,100	113	665	
329+20	TO	331+37	217	95.5	2,303	1.15	290	193	0.69	1,554	1,302	133	483	
331+37	TO	334+75	338	71	2,666	1.33	336	224	0.80	1,800	2,028		560	
**	331+37	TO	334+75	338	10 TO 12.5	450	0.23	57	38	0.14	304	0	95	
334+75	TO	338+70	395	71	3,116	1.56	393	262	0.93	2,103	2,370		655	
***	338+70	TO	343+27	457	80 TO 90	4,144	2.07	522	348	1.24	2,797	2,742	125	870
343+27	TO	345+65	238	90 TO 98	2,407	1.20	303	202	0.72	1,624	1,428	136	505	
****SIDEROADS:														
DAYTON RD (330+32 LT)			102	VAR	750	0.38	95	63	0.23	506	0	53	0	
N 31ST ST (330+32 RT)			117	VAR	725	0.35	87	58	0.21	466	0	50	0	
N 3059TH RD (344+03 LT)			216	VAR	777	0.39	98	65	0.23	524	0	53	0	
STEVENSON RD (344+03 RT)			82	VAR	886	0.44	112	74	0.27	598	0	86	0	
<b>TOTAL COVD-URBAN</b>			<b>8,222</b>		<b>37,024</b>	<b>18.5</b>	<b>4,662</b>	<b>3,106</b>	<b>11.1</b>	<b>24,966</b>	<b>27,564</b>	<b>847</b>	<b>7,116</b>	
<b>GRAND TOTAL</b>			<b>34,530</b>		<b>107,184</b>	<b>53.6</b>	<b>13,503</b>	<b>8,999</b>	<b>32.1</b>	<b>72,323</b>	<b>106,488</b>	<b>982</b>	<b>21,850</b>	

\* LONGITUDINAL JOINT SEALANT AT JOINTS (THRU LANES, TURN LANES, MAINLINE/HMA SHOULDER)  
 \*\*NB RT TURN LANE AREA  
 \*\*\*RESURFACING AT PCC LANE AT GAS STATION ON NE QUAD OF STEVENSON RD NOT INCLUDED  
 \*\*\*\*AT SPECIFIED SIDEROADS, MILL A MAXIMUM OF 3.75" - ADJUST MILLING DEPTHS IF EXISTING HMA THICKNESS IS LESS THAN 3.75"

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PLOT DATE = 3/18/2022	CHECKED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	15
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				

**SIDEROAD & ENTRANCE SCHEDULE**

LOCATION	OFFSET	LOCATION	TYPE	MATL	LENGTH	WIDTH AT END	WIDTH AT MAINLINE OR SHLDR	HMA SURF REM VAR DP	INC HMA SURF	BIT MATLS TACK CT	TEMP RAMP	FURN EX	
					FOOT	FOOT	FOOT	SQ YD	TON	POUND	SQ YD	CU YD	
<b>COVD-RURAL (STA 12+60 TO 277+68)</b>													
13+50	RT	PE	PE	HMA	10	12	50	41	6	18	7		
13+70	LT	CE/MBTO	PE/MBTO	HMA	10	29	140	126	19	57	7		
42+80	LT	PE/MBTO	PE/MBTO	HMA	10	112	94	81	12	36	7		
64+08	RT	N 36TH RD E	SR	HMA	34	24	110	196	29	88	13	1	
64+08	LT	N 36TH RD W	SR	HMA	32	24	121	218	32	98	13	2	
66+80	LT	PE/MBTO	PE/MBTO	HMA	10	52	78	60	9	27	7		
77+30	RT	PE	PE	HMA	10	30	48	42	6	19	7		
77+30	LT	MBTO	MBTO	HMA	8	28	57	34	5	15	0		
188+78	RT	N 35TH RD	SR	HMA	48	28	122	321	47	144	16	4	
188+78	LT	N 35TH RD	SR	HMA	76	28	188	643	95	289	16	9	
129+10	RT	PE	PE	HMA	10	29	47	40	6	18	7		
129+10	LT	PE/MBTO	PE/MBTO	HMA	7	30	58	36	5	16	0		
131+80	LT	PE(X2)/MBTO	PE/MBTO	HMA	8	111	146	120	18	54	14		
137+55	RT	PE	PE	HMA	8	24	40	34	5	15	7		
137+55	RT	PE	PE	HMA	8	29	56	36	5	16	7		
140+30	LT	PE/MBTO	PE/MBTO	HMA	8	66	97	69	10	31	7		
141+80	LT	PE	PE	HMA	9	22	35	32	5	14	7		
143+10	LT	PE	PE	HMA	10	25	42	36	5	16	7		
145+00	RT	PE	PE	HMA	8	22	39	28	4	13	7		
145+00	LT	MBTO	PE	HMA	8	25	60	39	6	18	0		
167+40	LT	PE/MBTO	PE/MBTO	HMA	8	57	87	65	10	29	7		
169+15	LT	MBTO	MBTO	HMA	8	22	56	38	6	17	0		
169+20	RT	PE	PE	HMA	12	22	47	46	7	21	7		
171+90	RT	PITSTICK PAVILLION	CE	PCC	NO WORK								
179+30	RT	MYER EQUIPMENT	CE	HMA	10	56	72	77	11	35	13		
180+00	LT	MBTO/PE	PE/MBTO	HMA	8	114	153	117	17	53	7		
180+70	RT	MYER EQUIPMENT	CE	HMA	10	55	78	71	10	32	13		
186+80	RT	PE	PE	HMA	10	26	46	42	6	19	7		
187+00	LT	MBTO	MBTO	HMA	7	32	65	39	6	18	0		
206+20	LT	PE	PE	HMA	8	26	35	29	4	13	7		
208+15	LT	PE	PE	HMA	8	29	40	31	5	14	7		
210+70	LT	MBTO/PE	PE/MBTO	HMA	8	44	81	60	9	27	7		
216+80	LT	PE/MBTO	PE/MBTO	HMA	8	147	181	147	22	66	7		
216+85	RT	PE FARM	PE	HMA	10	27	45	42	6	19	7		
220+25	RT	PE	PE	HMA	10	35	50	50	7	23	7		
220+70	LT	MBTO	MBTO	HMA	8	139	182	158	23	71	0		
221+05	LT	PE	PE	HMA	9	34	43	38	6	17	7		
224+26	RT	N 33RD RD	SR	HMA	52	22	138	358	53	161	12	4	
238+80	LT	PE FARM	PE	HMA	9	25	49	39	6	18	7		
246+20	RT	PE FARM	PE	HMA	12	45	70	78	11	35	7		
246+30	LT	MBTO	MBTO	HMA	8	40	65	49	7	22	0		
260+20	LT	ROSEN'S INC	CE	HMA	8	86	100	80	12	36	13		
270+00	LT	PE(X2)/MBTO	PE/MBTO	HMA	8	157	174	146	21	66	14		
227+68	LT	N 32ND RD	SR	PCC	NO WORK								
<b>TOTAL COVD-RURAL</b>					--	--	--	<b>4,032</b>	<b>594</b>	<b>1,814</b>	<b>312</b>	<b>20</b>	

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	16
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				







**PAVEMENT MARKING SCHEDULE**

LOCATION	LENGTH	POLYUREA PMK TY I (2 APPS)**					THERMOPLASTIC										PREF PLSTC PMK		GRV RCSD PVT MRKG						
		4"		6"	8"	12"	24"	4"		6"	8"			12"		LTR &	TYPE D		5"	7"	9"	13"	25"		
		W	Y	Y	W	W	W	W	W	Y	Y	W	W	W	Y	W	SYM	8" W	24" W	*					
		EOP	NPZ LINE	SKIPS	ISLND SOLID	ISLND DIAG	STOP BAR	EOP	DBL MED	MED	SKIPS	DOT	TURN LANE	ISLND SOLID	DIAG.	DIAG.	W	CONTRAST	STOP BAR						
STA TO STA	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT		
<b>COVD-RURAL</b>																									
12+60 TO 27+06	1,446	5,784	2,892	720																					
27+06 TO 65+00	3,794	14,862		1,900																					
65+00 TO 120+00	5,500	21,400		2,760																					
120+00 TO 173+88	5,388	21,552		2,700																					
241+61 TO 239+61	200	800		100																					
175+88 TO 277+68	10,180	40,410		5,100																					
<b>(B) SIDEROADS:</b>																									
N 36TH RD (64+08 LT/RT)		342																							
N 35TH RD (118+78 RT)		256																							
TWAIT RD (118+78 LT)		326		40	160	82																			
N 33RD RD (224+26 RT)		280																							
N 32ND RD (277+68 RT)		214																							
<b>TOTAL COVD-RURAL</b>	<b>26,508</b>	<b>109,118</b>	<b>13,320</b>	<b>160</b>	<b>82</b>	<b>114</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>COVD-URBAN</b>																									
277+68 TO 314+40	3,672	14,618	0	1,840																					
314+40 TO 319+40	500	2,000	1,000	260																					
319+40 TO 325+70	630						1,260	2,104			52		612	311	175	47	70		2,312			734	486		
325+70 TO 329+76	406						519	1,638			78	410		212		177	200	58	1,338			688	212	58	
330+60 TO 334+75	415						556	1,320	140	40	64	415	276		94	117	400	37	1,356	40		1,155	94	37	
334+75 TO 338+70	395						790		790	200						62	200		1,580	200		200			
338+70 TO 343+27	457						299	1,624	132	40	84	495		356		125	220	48	1,243	40		799	356	48	
343+27 TO 345+65	238						110		196		50	282	194		116	47	40	56	306			566	116	56	
<b>SIDEROADS:</b>																									
N 31ST ST (330+32 RT)	117								204				102			83		45	204			102		45	
DAYTON RD (330+32 LT)	102								180				90			16		65	180			90		65	
N 3059TH RD (344+03 LT)	109								156				78			42		40	156			78		40	
STEVENSON RD (344+03 RT)	103								36				38					42	36			38		42	
<b>TOTAL COVD-URBAN</b>	<b>7,144</b>	<b>17,618</b>	<b>2,100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,054</b>	<b>280</b>	<b>3,320</b>	<b>1,264</b>	<b>716</b>	<b>1,130</b>	<b>391</b>	<b>8,711</b>	<b>280</b>	<b>4,450</b>	<b>1,264</b>	<b>391</b>	<b>8,711</b>	<b>280</b>	<b>4,450</b>	<b>1,264</b>	<b>391</b>	<b>391</b>	
<b>GRAND TOTAL</b>	<b>33,652</b>	<b>126,736</b>	<b>15,420</b>	<b>160</b>	<b>82</b>	<b>114</b>	<b>12,054</b>	<b>280</b>	<b>3,320</b>	<b>1,264</b>	<b>716</b>	<b>1,130</b>	<b>391</b>	<b>8,711</b>	<b>280</b>	<b>4,450</b>	<b>1,264</b>	<b>391</b>	<b>8,711</b>	<b>280</b>	<b>4,450</b>	<b>1,264</b>	<b>391</b>	<b>391</b>	

(A) SN 050-0255 - STA EQ 173+88 BK = STA 241+61 AH TO STA EQ 239+61 = 175+88 AH

(B) EOP PAVT MARKING STRIPED FROM EOP MARKING (MAINLINE) TO END OF SIDEROAD RADII OR RESURFACING LIMITS

\* ON MEDIANS - ONLY THE OUTSIDE 4" LINE OF THE THERMOPLASTIC MEDIAN TO BE GROOVED. THE INSIDE 4" LINE TO BE LEFT UNGROOVED.

\*\*TWO SEPARATE APPLICATIONS REQUIRED. THE SECOND APPLICATION SHALL BE PERFORMED AFTER 14 DAYS OF THE FIRST APPLICATION.

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PLOT DATE = 3/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	19
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				

**PERMANENT SURVEY MARKER SCHEDULE**

MONUMENT NUMBER	DESCRIPTION	APPROXIMATE LOCATION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
023810	NW CORNER SECTION 1, T34N, R3E, 3RD PM	N 36TH RD INTERSECTION	ALUMINUM DISK	TYPE 1	YES	1
B023809	PRIVATE SURVEY CORNER	1172' SOUTH OF N 36TH RD	MAG NAIL	MAG NAIL	NO	2
A023809	PRIVATE SURVEY CORNER	1480' SOUTH OF N 36TH RD	MAG NAIL	MAG NAIL	NO	2
023809	W QTR CORNER SECTION 1, T34N, R3E, 3RD PM	1/2 MILE SOUTH OF N 36TH RD	MAG NAIL REMNANT	MAG NAIL	NO	2
023808	SW CORNER SECTION 1, T34N, R3E, 3RD PM	N 35TH RD INTERSECTION	MAG NAIL	MAG NAIL	NO	2
023807	W QTR CORNER SECTION 12, T34N, R3E, 3RD PM	1/2 MILE SOUTH OF N 35TH RD	MAG NAIL	MAG NAIL	NO	2
023806	SW CORNER SECTION 12, T34N, R3E, 3RD PM	N OF BUCK CREEK BRIDGE	SURVEY NAIL	TYPE 1	YES	1
023805	W QTR CORNER SECTION 13, T34N, R3E, 3RD PM	1/2 MILE NORTH OF N 33RD RD	MAG NAIL	MAG NAIL	NO	2
B023804	PRIVATE SURVEY CORNER	1034' SOUTH OF N 33RD RD	MAG NAIL	MAG NAIL	NO	2
A023804	PRIVATE SURVEY CORNER	1418' SOUTH OF N 33RD RD	MAG NAIL	MAG NAIL	NO	2
023804	NW CORNER SECTION 24, T34N, R3E, 3RD PM	N 33RD RD INTERSECTION	ALUMINUM DISK	TYPE 1	YES	1
023802	NW CORNER SECTION 25, T34N, R3E, 3RD PM	1 MILE NORTH OF DAYTON RD	ALUMINUM DISK	TYPE 1	YES	1
023800	NW CORNER SECTION 36, T34N, R3E, 3RD PM	DAYTON RD. INTERSECTION	MISSING	TYPE 1	YES	1

R.E. WILL KEEP PLATS AND PLANS LAND SURVEYORS INFORMED OF THE ROAD MILLING SCHEDULE FOR THE PURPOSE OF LOCATING BURIED MONUMENTS THROUGHOUT THE JOB.  
 UPON PAVING COMPLETION, R.E. WILL DIRECT PLATS AND PLANS LAND SURVEYORS TO STAKE THE LOCATIONS FOR TYPE 1 MONUMENT CORING.  
 PLATS AND PLANS WILL PREPARE AND RECORD THE REQUIRED MONUMENT RECORDS.  
 NOTE: FOR BIDDING PURPOSES, NO CONTRACTED LAND SURVEYING SERVICES WILL BE REQUIRED FOR SETTING THE LISTED PERMANENT SURVEY MARKERS.

- RESPONSIBILITY:**
- 1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)
  - 2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

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PLOT DATE = 3/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO STA.

**SCHEDULES**

GRADING & SHAPING DITCHES & LANDSCAPING SCHEDULE										
STATION OR LOCATION	LENGTH	SIDE	FLOW DIRECTION	GRADE & SHAPE DITCH	EROSION CONTROL BLANKET	SEED CLASS 2A	FERTILIZER NUTRIENTS			
							NITRO	PHOSP	POT	
FROM - TO	FOOT			FOOT	SQ YD	ACRE	POUND	POUND	POUND	
<b>COVD-RURAL (STA 12+60 TO 277+68)</b>										
28+50 - 29+50	100	EAST	SOUTH	100	67	0.010	1	1	1	
68+80 - 71+30	250	EAST	SOUTH	250	167	0.030	3	3	3	
77+50 - 79+00	150	WEST	SOUTH	150	100	0.020	2	2	2	
216+80 - 218+80	200	EAST	SOUTH	200	133	0.030	3	3	3	
222+50 - 224+00	112	WEST	SOUTH	112	75	0.020	2	2	2	
222+60 - 248+55	2557	EAST	---	0	1705	0.350	32	32	32	
237+00 - 242+00	500	WEST	SOUTH	500	333	0.070	6	6	6	
242+00 - 244+00	200	WEST	SOUTH	200	133	0.030	3	3	3	
255+90 - 257+40	150	EAST	NORTH	150	100	0.020	2	2	2	
<b>SIDERoads:</b>										
N 36TH RD (64+08 LT/RT)	--	--	--	--	55	0.010	1	1	1	
N 35TH RD (118+78 LT/RT)	--	--	--	--	237	0.050	5	5	5	
N 33RD RD (224+26 RT)	--	--	--	--	72	0.010	1	1	1	
<b>COVD RURAL TOTAL</b>				<b>1,662</b>	<b>3,177</b>	<b>0.65</b>	<b>61</b>	<b>61</b>	<b>61</b>	
<b>COVD-URBAN (STA 277+68 TO 345+75)</b>										
318+90 - 320+10	120	EAST	NORTH	120	80	0.020	2	2	2	
321+20 - 323+60	240	EAST	NORTH	240	160	0.030	3	3	3	
328+90 - 329+90	100	EAST	NORTH	100	67	0.010	1	1	1	
330+80 - 332+80	200	WEST	SOUTH	200	133	0.030	3	3	3	
336+30 - 338+30	200	EAST	SOUTH	200	89	0.020	2	2	2	
339+00 - 339+80	80	EAST	SOUTH	80	36	0.010	1	1	1	
340+50 - 341+20	70	EAST	SOUTH	70	31	0.010	1	1	1	
341+80 - 342+80	100	EAST	SOUTH	100	44	0.010	1	1	1	
<b>COVD URBAN TOTAL</b>				<b>1,110</b>	<b>640</b>	<b>0.14</b>	<b>14</b>	<b>14</b>	<b>14</b>	
<b>GRAND TOTAL</b>				<b>2,772</b>	<b>3,817</b>	<b>0.79</b>	<b>75</b>	<b>75</b>	<b>75</b>	

STATIONS ARE APPROXIMATE

CULVERT REPLACEMENT SCHEDULE													
STA	ITEM#	SIDE	SIZE	LENGTH	EX MATL	PIPE CULV REM	P CULV	PRC FLR	TRENCH BACKFILL	CL B	SAW CUTS	DWL	REMARKS
							CL A	END SEC		PATCH		BARS	
			IN	FT		FOOT	FOOT	EACH	CU YD	SQ YD	FOOT	EACH	
<b>COVD-RURAL</b>													
28+49	2618	X-RD	15	69	CMP	68	56	2	12	8	42	20	REM & RPL CULVERT. USE 18" RCP ELLIPTICAL
<b>TOTAL COVD-RURAL</b>						<b>68</b>	<b>56</b>	<b>2</b>	<b>12</b>	<b>8</b>	<b>42</b>	<b>20</b>	

\*PATCHING SHALL BE PERFORMED IN TWO SEPARATE OPERATIONS TO MAINTAIN 1 LANE OPEN

DRAINAGE SCHEDULE												
STA	ITEM#	SIDE	SIZE	LENGTH	EX MATL	PIPE CULV TO BE CLEANED			SS TO BE CLEANED	REMARKS		
						15"	18"	24"	24"			
						FOOT	FOOT	FOOT	FOOT			
<b>COVD-URBAN</b>												
324+39	2623	X-RD	24	92	RCP			92		6" TO 9" SILT IN BARREL. PIPE HAS EXISTING MESH METAL GRATES ON BOTH ENDS		
336+00	--	LT	15	66	CMP	66				AT FARM & FLEET (N ENTRANCE) - PLUGGED		
338+70	--	LT	18	63	CMP		63			AT FARM & FLEET (S ENTRANCE) - PLUGGED		
340+22	--	LT	15	67	CMP	67				+/- 9" SILT IN BARREL		
341+60	--	LT	15	56	RCP	56				+/- 9-12" SILT IN BARREL (UNDER PCC ENTRANCE)		
342+90	--	LT	24	16	RCP			16		CLEAN RCP PIPE FROM 4-FT MH AT NE QUAD OF STEVENSON RD. FLOW IS TO THE SOUTH		
<b>TOTAL COVD-URBAN</b>						<b>189</b>	<b>63</b>	<b>92</b>	<b>16</b>			

ENVIRONMENTAL QUANTITIES		
PAY ITEM	UNIT	QUANTITY
NON-SPECIAL WASTE DISPOSAL	CU YD	25
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1
REGULATED SUBSTANCES MONITORING	CAL DA	2
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1
SOIL DISPOSAL ANALYSIS	EACH	2
EARTH EXCAVATION	CU YD	25

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	21
CONTRACT NO. 66616				
		ILLINOIS	FED. AID PROJECT	



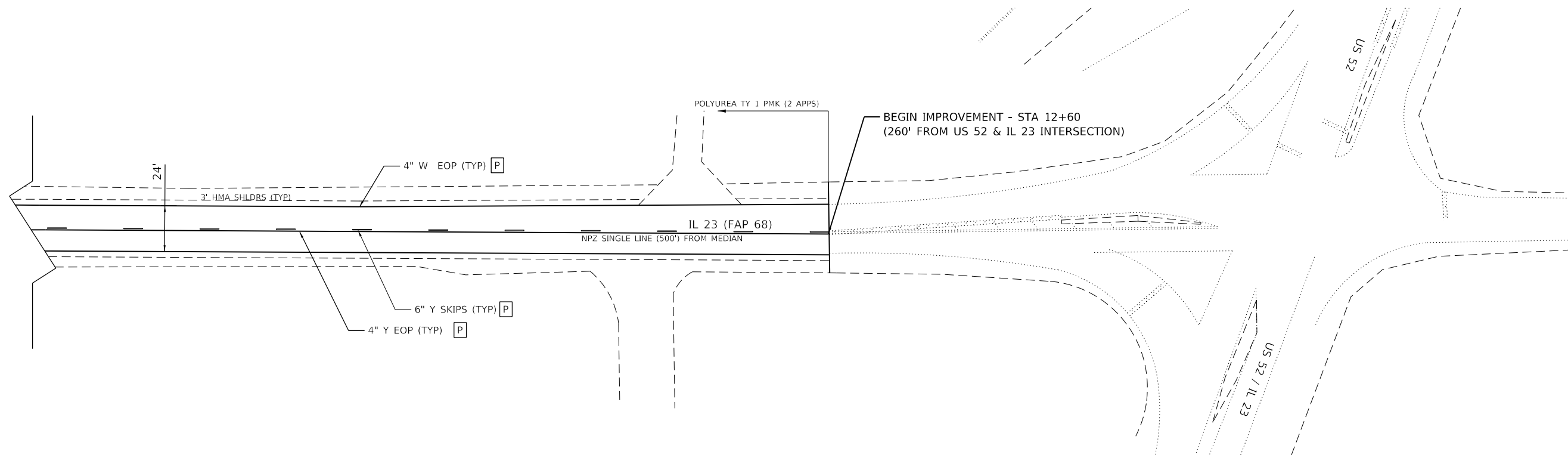
TRAFFIC SIGNALS SCHEDULE				
LOCATION	MAINT OF EXIST TRAFF SIG INSTALL	MODIFY EXISTING CONTROLLER & CABINET	REMOTE CONTROLLED VIDEO SYSTEM	VIDEO VEHICLE DETECTION SYSTEM
	EACH	EACH	EACH	EACH
	COVD-URBAN			
DAYTON RD & IL 23	1	1	1	1
STEVENSON RD & IL 23	1	1	1	1
<b>TOTAL COVD-URBAN</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>

MEDIAN REPLACEMENT SCHEDULE						
LOCATION	MEDIAN REM	CC&G REM	PAVT REM (2)	CONC MED SURF 4" (1)	PROTECT COAT	CC&G TY B-6.24
	SQ FT	FOOT	SQ YD	SQ FT	SQ YD	FOOT
COVD-URBAN						
344+75 TO 345+65	CL MEDIAN	338	168	19	338	86
<b>TOTAL COVD-URBAN</b>		<b>338</b>	<b>168</b>	<b>19</b>	<b>338</b>	<b>86</b>

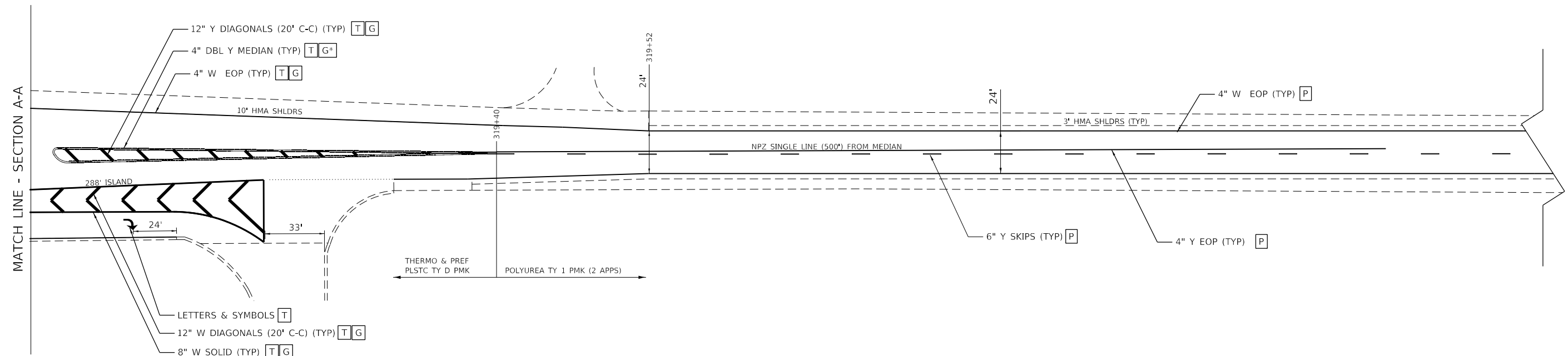
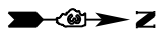
- (1) AGGREGATE REQUIRED UNDER CONCRETE MEDIAN SURFACE SHALL BE INCLUDED IN THE COST CONCRETE MEDIAN SURFACE 4"  
(2) PAVEMENT REMOVAL TO FACILITATE INSTALLATION OF CC&G TY B.6-24 ON THE WEST SIDE OF MEDIAN

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PLOT DATE = 3/18/2022	CHECKED -	REVISED -		SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 66616
	DATE -	REVISED -									ILLINOIS FED. AID PROJECT



LEGEND	
[P]	POLYUREA PAVEMENT MARKING (2 APPLICATIONS) NOTE: THE 2ND APPLICATION SHALL BE APPLIED AFTER 14 DAYS OF THE 1ST APPLICATION.
[T]	THERMOPLASTIC PAVEMENT MARKING
[PR-D]	PREFORMED PLASTIC PAVT MARKING TY D NOTE: 8" CL SKIPS WILL BE CONTRAST TYPE: 5" WHITE WITH 1.5" BLACK PER SIDE
[G]	GROOVED PAVT. MARKING
[G*]	AT MEDIANS ONLY THE OUTSIDE YELLOW 4" PAVT MARKING SHALL BE GROOVED NO GROOVING AT SIDEROADS UNLESS SPECIFIED IN PLANS/SCHEDULES



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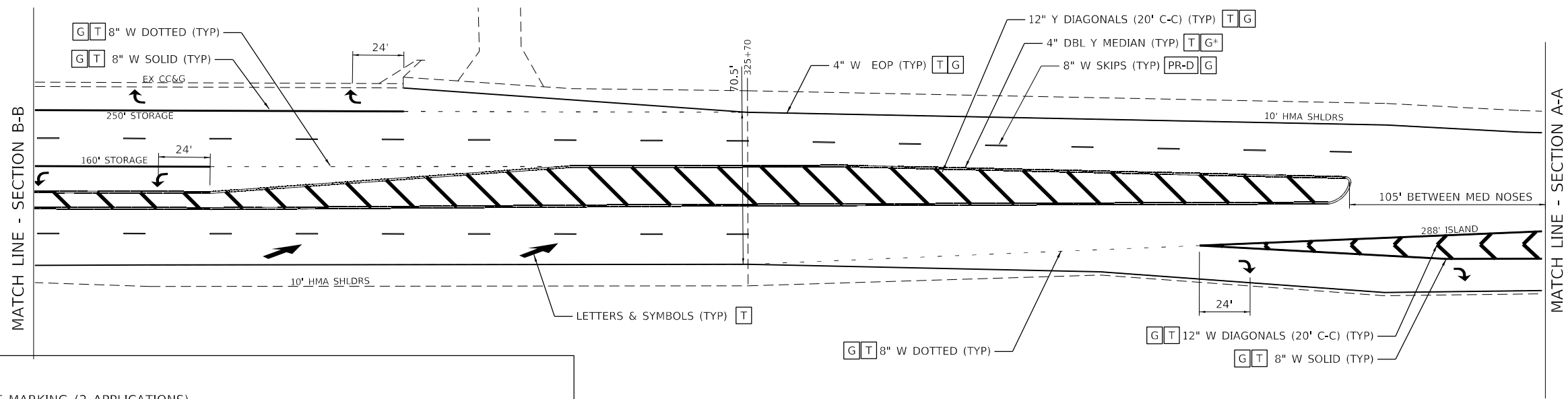
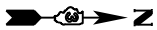
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS  
(NOT TO SCALE)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				



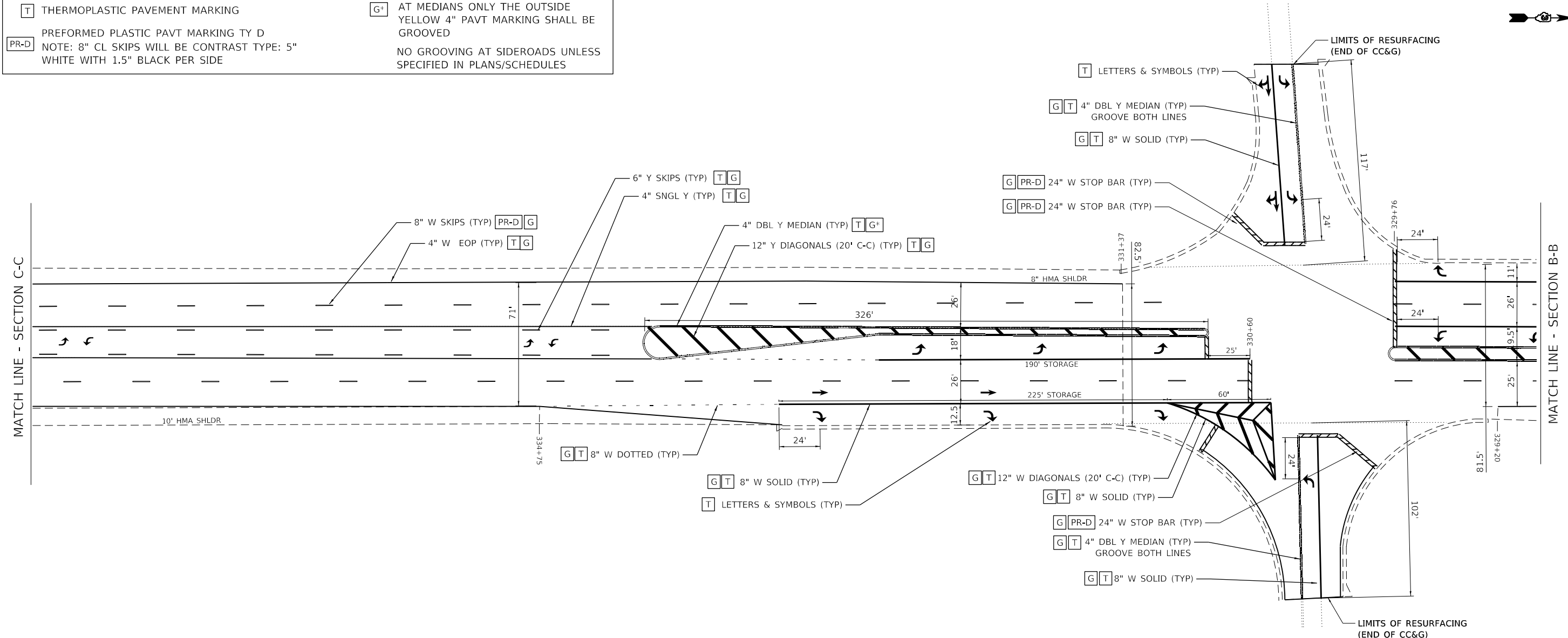
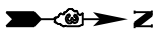


MATCH LINE - SECTION A-A

MATCH LINE - SECTION B-B

**LEGEND**

<b>P</b> POLYUREA PAVEMENT MARKING (2 APPLICATIONS) NOTE: THE 2ND APPLICATION SHALL BE APPLIED AFTER 14 DAYS OF THE 1ST APPLICATION.	<b>G</b> GROOVED PAVT. MARKING
<b>T</b> THERMOPLASTIC PAVEMENT MARKING	<b>G+</b> AT MEDIANS ONLY THE OUTSIDE YELLOW 4" PAVT MARKING SHALL BE GROOVED
<b>PR-D</b> PREFORMED PLASTIC PAVT MARKING TY D NOTE: 8" CL SKIPS WILL BE CONTRAST TYPE: 5" WHITE WITH 1.5" BLACK PER SIDE	NO GROOVING AT SIDEROADS UNLESS SPECIFIED IN PLANS/SCHEDULES



MATCH LINE - SECTION B-B

MATCH LINE - SECTION C-C

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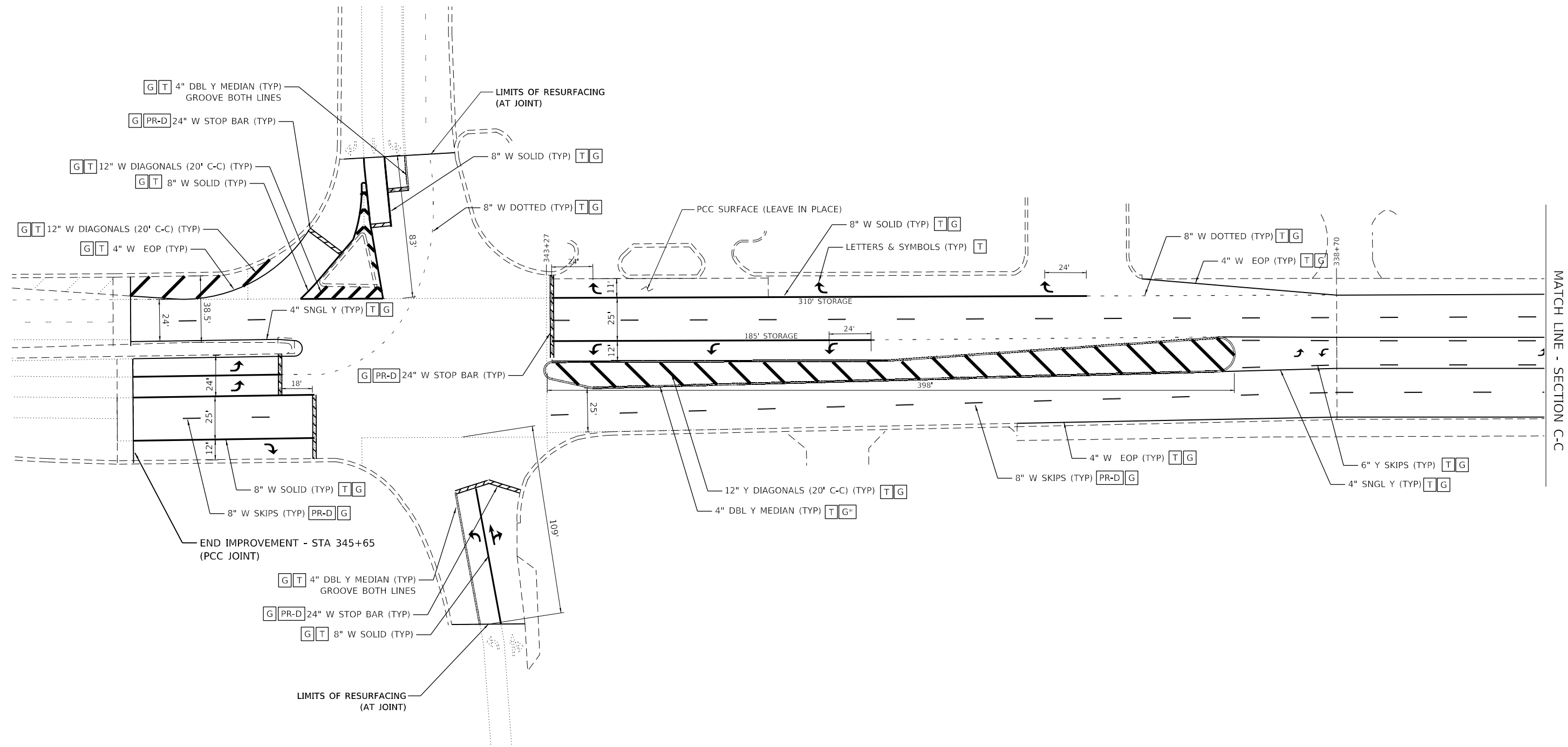
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DRAWN -	REVISOR -	
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS  
(NOT TO SCALE)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	25
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				



MATCH LINE - SECTION C-C

LEGEND	
<b>P</b>	POLYUREA PAVEMENT MARKING (2 APPLICATIONS) NOTE: THE 2ND APPLICATION SHALL BE APPLIED AFTER 14 DAYS OF THE 1ST APPLICATION.
<b>T</b>	THERMOPLASTIC PAVEMENT MARKING
<b>PR-D</b>	PREFORMED PLASTIC PAVT MARKING TY D NOTE: 8" CL SKIPS WILL BE CONTRAST TYPE: 5" WHITE WITH 1.5" BLACK PER SIDE
<b>G</b>	GROOVED PAVT. MARKING
<b>G*</b>	AT MEDIANS ONLY THE OUTSIDE YELLOW 4" PAVT MARKING SHALL BE GROOVED
	NO GROOVING AT SIDEROADS UNLESS SPECIFIED IN PLANS/SCHEDULES

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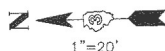
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLANS (NOT TO SCALE)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

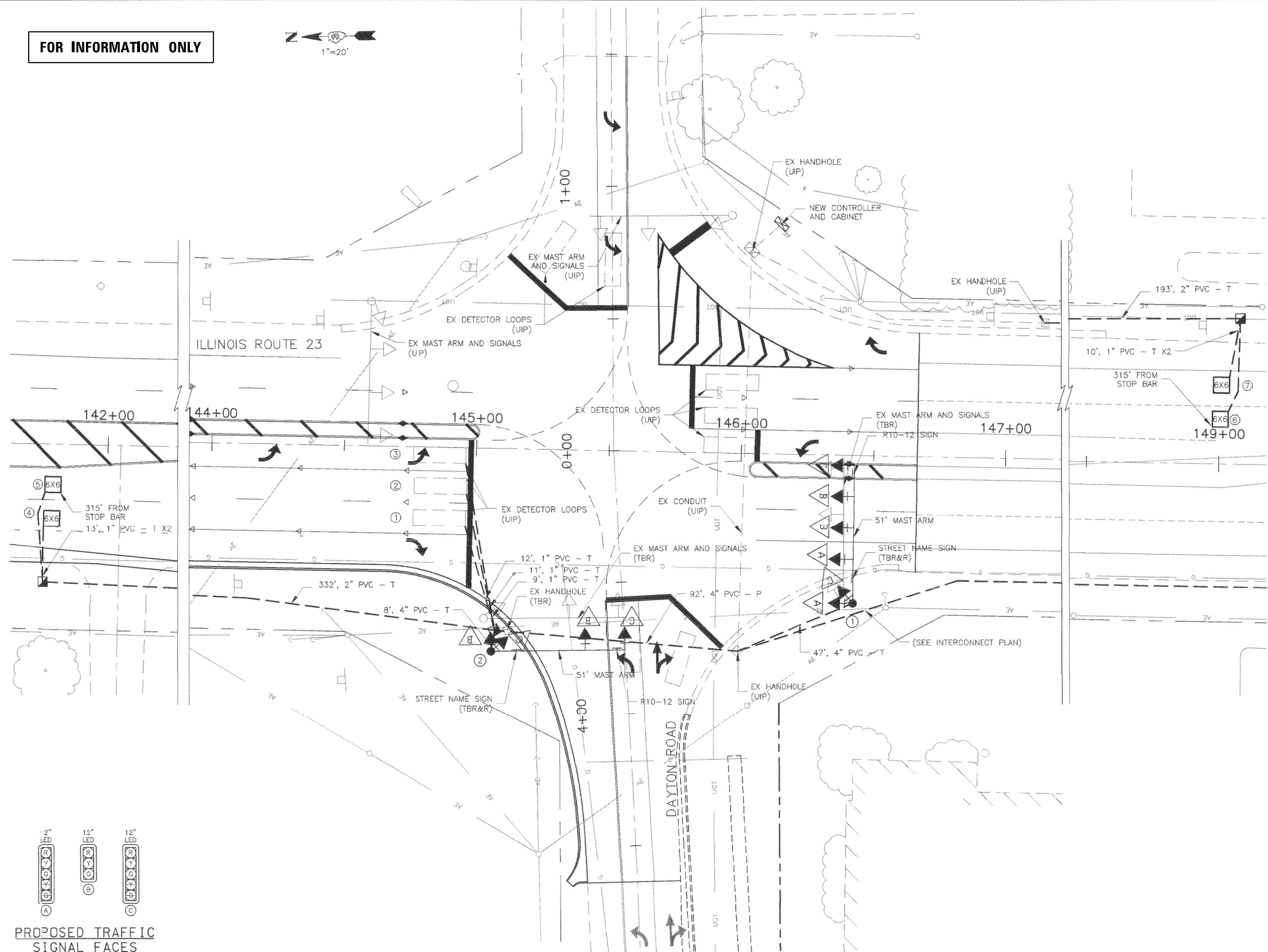
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CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



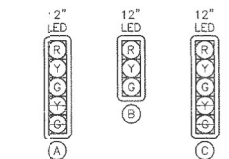
**SIGNAL PLAN LEGEND**

- LED SIGNAL HEAD WITH BACKPLATE
- LED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- PUSH BUTTON
- SIGNAL POST
- CONTROLLER CABINET
- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- SERVICE INSTALLATION
- STEEL MAST ARM ASSEMBLY
- LOOP DETECTOR
- LUMINAIRE
- CONDUIT
- GSC GALVANIZED STEEL CONDUIT
- PVCC POLYVINYL CHLORIDE CONDUIT
- T TRENCHED, "P" PUSHED, SIZE SPECIFIED



**SIGNAL PLAN NOTES:**

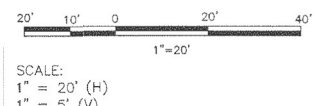
1. ALL VEHICLE SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACKPLATES SHALL BE POLYCARBONATE WITH DEEP BACK FLANGE.
3. ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER, UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING "ONGUE" CONNECTOR. NO TERMINAL ENDS FOR DETECTOR LOOP LEAD-INS.
4. THE ENGINEER SHALL APPROVE THE LOCATION OF ALL DETECTOR LOOPS BEFORE ANY SLOTS ARE SAWS IN THE PAVEMENT. THE NUMBER OF TURNS OF WIRE FOR INDUCTIVE LOOP DETECTOR INSTALLATION SHALL BE AS SHOWN ON SCHEDULE OF QUANTITIES.
5. DETECTOR LOOP LEAD-IN SPLICE SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATION. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN-CORE SOLDER SHALL BE USED.
6. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
7. ALL INDUCTION LOOP DETECTOR AMPLIFIERS SUPPLIED FOR THIS PROJECT SHALL BE RACK MOUNTED AND SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED.
8. ALL HANDHOLES SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE. THE CAST-IN-PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLES COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
9. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATIONS. UTILITY LOCATIONS CAN BE OBTAINED BY CALLING JULIE (1-800-892-0123). THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. CONTRACTOR TO VERIFY APPROPRIATE CLEARANCE OF ALL OVERHEAD UTILITIES.
10. THE CONTRACTOR SHALL INSTALL TWO (2) MUTCD R10-12 (LEFT TURN YIELD ON GREEN) SIGNS WHERE SHOWN PER IDOT STANDARDS.
11. DETECTOR LOOPS SHALL BE PLACED IN THE BINDER COURSE PRIOR TO INSTALLING THE BITUMINOUS SURFACE COURSE.
12. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR PRIOR CONDITION.
13. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNAL AND LIGHTING. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
15. ALL GROUNDING MATERIALS FOR TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
16. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. A RODENT SCREEN SHALL BE PLACED AT THE BOTTOM OF EACH SIGNAL POLE.
17. THE PROPOSED CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT.
18. ALL SIGNAL HEADS SHALL BE MOUNTED SO THAT ALL "RED" INDICATIONS ARE LEVEL.
19. DOUBLE HANDHOLE ELEVATION SHALL BE LESS THAN TOP OF CONTROLLER CABINET FOUNDATION AND SHALL HAVE RECESSED, INTEGRAL HINGED LID.
20. REMOVED CONTROLLER AND CABINET TO BE SALVAGED AND GIVEN TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
21. SIGNAL POSTS, MAST ARMS, AND CONTROLLER CABINET SHALL BE DARK BRONZE COLOR PER CITY OF OTTAWA REQUIREMENTS. POWDER COAT OR PAINT TO BE APPROVED BY CITY PRIOR TO INSTALLATION.
22. THE TRAFFIC SIGNAL CONTROLLER AND CABINET SHALL BE EAGLE.
23. A SELF ADHERE PHASING DIAGRAM SHALL BE PLACED INSIDE CABINET DOOR.



PROPOSED TRAFFIC SIGNAL FACES

POLE I.D.	CONTROL LINE	STATION	OFFSET
1	ILLINOIS ROUTE 23	146-42	56' RIGHT
2	ILLINOIS ROUTE 23	145-07	77' RIGHT

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REV	DATE	DESCRIPTION
1	06/21/06	IDOT REVIEW COMMENTS

ENGINEER SEAL

DATE:

**EDSI**  
 ENGINEERING DESIGN SOURCE, INC.  
 1415 ELBRIDGE PAYNE RD.  
 CHESTERFIELD, MO. 63017  
 SUITE 255  
 (636) 537-5585

PREPARED FOR: OTTAWA INVESTMENT PARTNERS, LLC

OTTAWA CENTRE

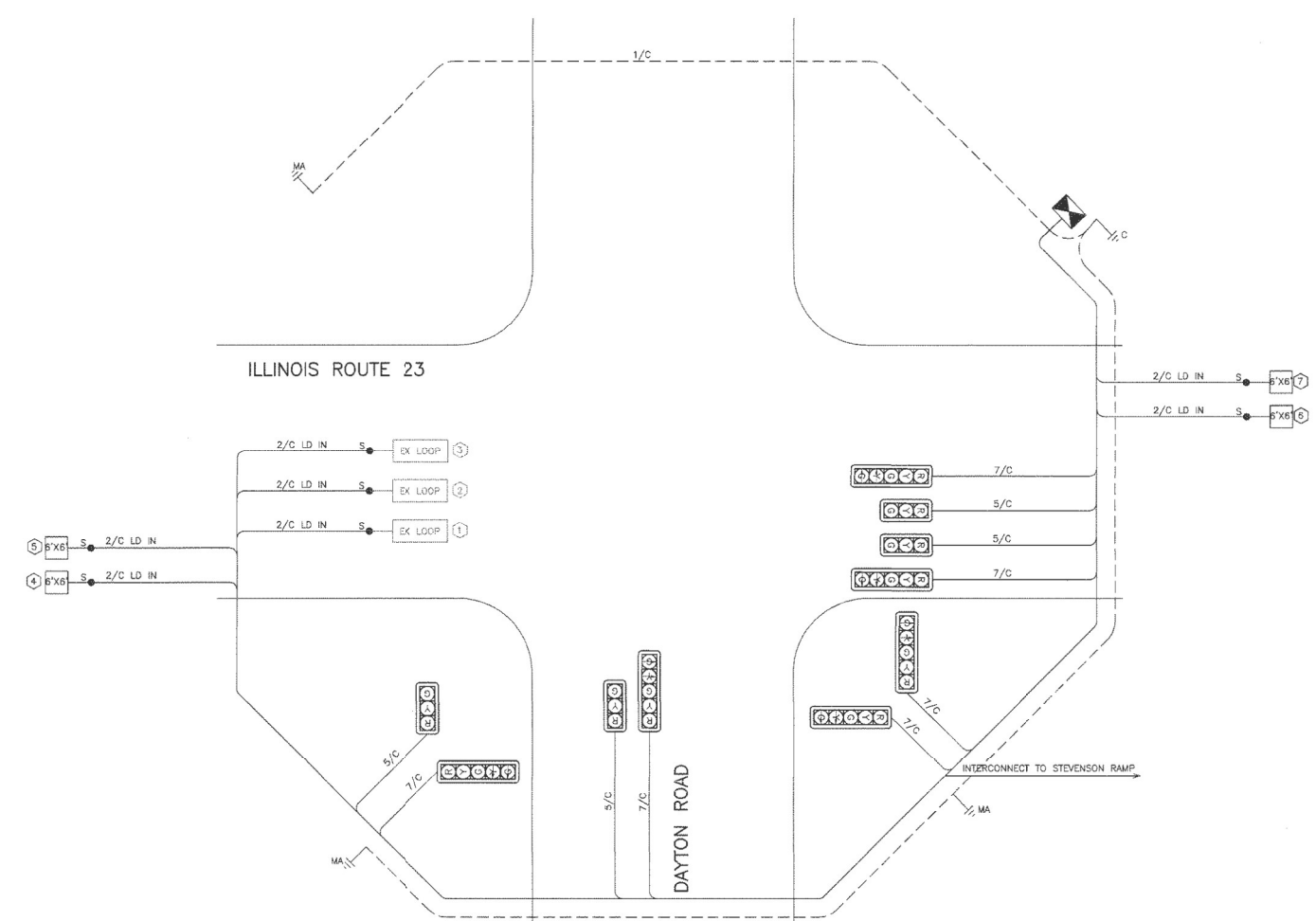
**SIGNAL PLAN**  
 RTE 23 & DAYTON

DESIGNED: TA  
 DRAWN: GDO  
 CHECKED: GJ  
 DATE: 06/19/2008

SHEET NO. 25 OF 53

**FOR INFORMATION ONLY**

**CABLE PLAN**

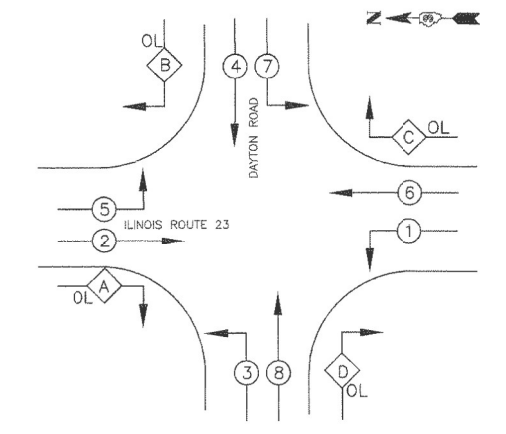


**CABLE PLAN LEGEND**

- PROPOSED CONTROLLER
- PROPOSED ELECTRICAL CABLE IN CONDUIT
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) (SEE NOTES)
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- LD IN** LEAD-IN CABLE
- CABLE SPLICE (SEE PLAN NOTES)
- PROPOSED SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PUSH BUTTON
- LUMINAIRE
- GROUND ROD AT POST (P), MAST ARM POLE (MA), OR CONTROLLER (C)

**SCHEDULE OF QUANTITIES**

3	EACH	CONCRETE HANDHOLE
3	EACH	SIGNAL HEAD, L.E.D., POLYCARBONATE, 1-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, L.E.D., POLYCARBONATE, 1-FACE, 3-SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, L.E.D., POLYCARBONATE, 1-FACE, 3-SECTION, MAST ARM MOUNTED
3	EACH	SIGNAL HEAD, L.E.D., POLYCARBONATE, 1-FACE, 5-SECTION, MAST ARM MOUNTED
8	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
14	EACH	INDUCTIVE LOOP DETECTOR
210	FOOT	DETECTOR LOOP, TYPE 1
78	FOOT	CONDUIT IN TRENCH, 1" DIA., PVC
525	FOOT	CONDUIT IN TRENCH, 2" DIA., PVC
55	FOOT	CONDUIT IN TRENCH, 4" DIA., PVC
92	FOOT	CONDUIT PUSHED, 4" DIA., PVC
460	FOOT	ELECTRICAL CABLE IN CONDUIT, GROUNDING NO. 6 1C
1196	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14 5C
1224	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14 7C
2782	FOOT	ELECTRICAL CABLE IN CONDUIT, LEAD IN, NO. 14 1 PAIR
2	EACH	STEEL MAST ARM ASSEMBLY & POLE, 51'
30	FOOT	CONCRETE FOUNDATION, TYPE E 36" DIAMETER
4	EACH	DRILL EXISTING HANDHOLE
1	EACH	UNINTERRUPTIBLE POWER SUPPLY

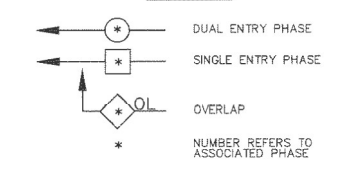


**PHASE DESIGNATION DIAGRAM**

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PROTECTED PHASE
A	3
B	
C	7
D	

**LEGEND**

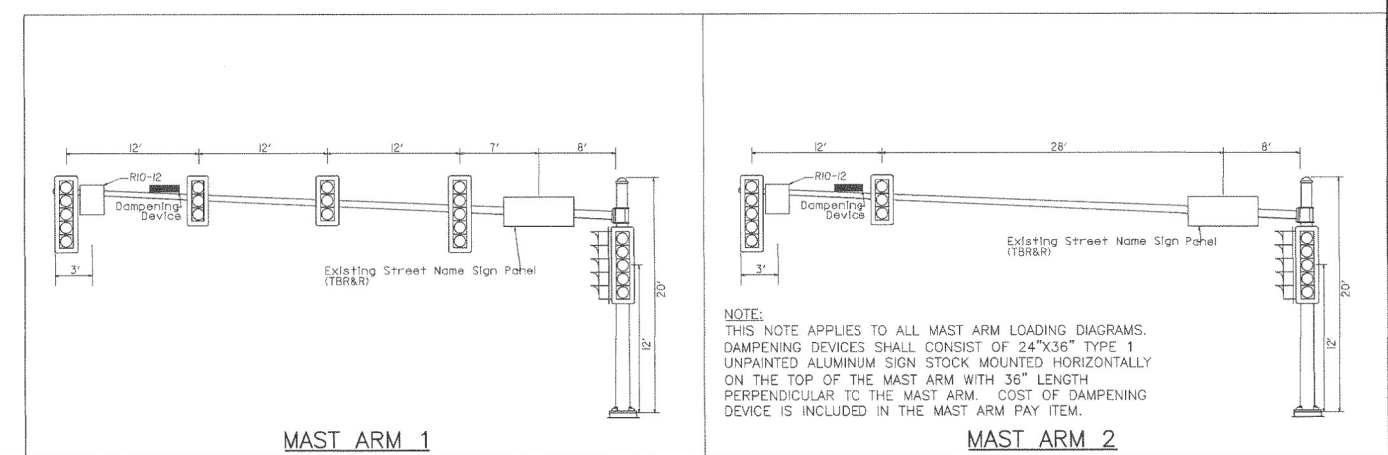


**DETECTOR LOOP REQUIREMENTS AND CALCULATIONS**

LOOP	PHASE	LOOP SIZE	REQUIRED NO. OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	
1	SB THRU	2	6' X 20'	4	282
2	SB THRU	2	6' X 20'	4	282
3	SB LEFT	5	6' X 20'	4	282
4	SB ADVANCED		6' X 6'	6	385
5	SB ADVANCED		6' X 6'	6	385
6	NB ADVANCED		6' X 6'	6	328
7	NB ADVANCED		6' X 6'	6	328

THE ABOVE VALUES ARE CALCULATED FOR COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

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**NOTE:** THIS NOTE APPLIES TO ALL MAST ARM LOADING DIAGRAMS. DAMPENING DEVICES SHALL CONSIST OF 24"X36" TYPE 1 UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON THE TOP OF THE MAST ARM WITH 36" LENGTH PERPENDICULAR TO THE MAST ARM. COST OF DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.

REV	DATE	DESCRIPTION
1	06/21/06	IDOT REVIEW COMMENTS

ENGINEER SEAL

**EDSI**  
ENGINEERING DESIGN SOURCE, INC.  
1415 ELBRIDGE PAYNE RD.  
CHESTERFIELD, MO. 63017  
SUITE 255  
(636) 537-5585

PREPARED FOR: OTTAWA INVESTMENT PARTNERS, LLC

OTTAWA CENTRE

**SIGNAL PLAN**

DESIGNED: TA  
DRAWN: GDO  
CHECKED: GJ  
DATE: 06/19/2006

SHEET NO. 26 OF 53

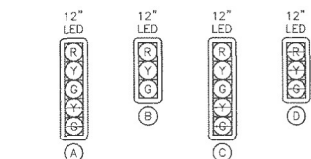
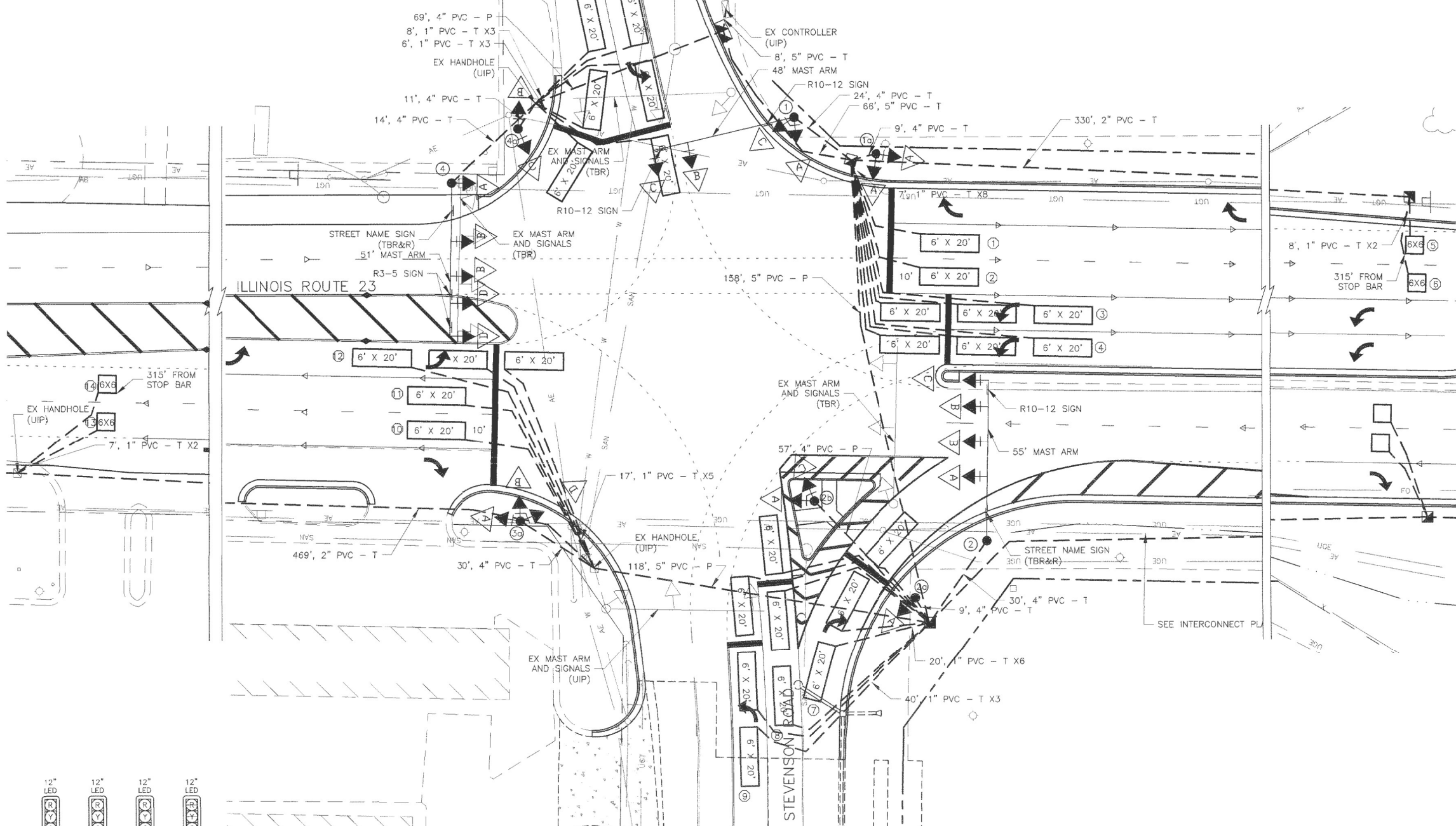
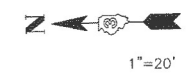
FOR INFORMATION ONLY

SIGNAL PLAN LEGEND

- ➔ LED SIGNAL HEAD WITH BACKPLATE
- ➔ LED SIGNAL HEAD
- ⊠ PEDESTRIAN SIGNAL HEAD
- PUSH BUTTON
- SIGNAL POST
- ⊠ CONTROLLER CABINET
- ⊠ CONCRETE HANDHOLE
- ⊠ CONCRETE DOUBLE HANDHOLE
- ⊠ SERVICE INSTALLATION
- STEEL MAST ARM ASSEMBLY
- ▭ LOOP DETECTOR
- LUMINAIRE
- CONDUIT
- OSC GALVANIZED STEEL CONDUIT
- PVC POLYVINYL CHLORIDE CONDUIT
- TRENCHED, "P" PUSHED, SIZE SPECIFIED

SIGNAL PLAN NOTES:

1. ALL VEHICLE SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACKPLATES SHALL BE POLYCARBONATE WITH DEEP BACK FLANGE.
3. THE ENGINEER SHALL APPROVE THE LOCATION OF THE MAST ARM SUPPORTS BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10' FROM THE EDGE OF PAVEMENT OR 2' FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5' FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
4. ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER, UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TO TONGUE CONNECTOR. NO TERMINAL ENDS FOR DETECTOR LOOP LEAD-INS.
5. THE ENGINEER SHALL APPROVE THE LOCATION OF ALL DETECTOR LOOPS BEFORE ANY SLOTS ARE SAWS IN THE PAVEMENT. THE NUMBER OF TURNS OF WIRE FOR INDUCTIVE LOOP DETECTOR INSTALLATION SHALL BE AS SHOWN ON SCHEDULE OF QUANTITIES.
6. DETECTOR LOOP LEAD-IN SPLICE SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATION. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN-CORE SOLDER SHALL BE USED.
7. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
8. ALL HANDHOLES SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE. THE CAST-IN-PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLES COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
9. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATIONS. UTILITY LOCATIONS CAN BE OBTAINED BY CALLING JULIE (1-800-892-9123). THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. CONTRACTOR TO VERIFY APPROPRIATE CLEARANCE OF ALL OVERHEAD UTILITIES.
10. THE CONTRACTOR SHALL INSTALL TWO (2) MUTED R10-12 (LEFT TURN YIELD ON GREEN) AND THREE R3-5 (LEFT TURN ONLY) SIGNS WHERE SHOWN PER IDOT STANDARDS.
11. DETECTOR LOOPS SHALL BE PLACED IN THE BINDER COURSE PRIOR TO INSTALLING THE BITUMINOUS SURFACE COURSE.
12. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR PRIOR CONDITION.
13. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
14. ALL GROUNDING MATERIALS FOR TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
15. THE CONTRACTOR SHALL NOTIFY THE IDOT AT LEAST 72 HOURS PRIOR TO TURNING ON ANY SIGNAL, FLASHER OR CONTROLLER UNITS.
16. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. A RODENT SCREEN SHALL BE PLACED AT THE BOTTOM OF EACH SIGNAL POLE.
17. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON.
18. ALL SIGNAL HEADS SHALL BE MOUNTED SO THAT ALL "RED" INDICATIONS ARE LEVEL.
19. DOUBLE HANDHOLE ELEVATION SHALL BE LESS THAN TOP OF CONTROLLER CABINET FOUNDATION AND SHALL HAVE RECESSED, INTEGRAL HINGED LID.
20. SIGNAL POSTS, MAST ARMS, AND CONTROLLER CABINET SHALL BE DARK BRONZE COLOR PER CITY OF OTTAWA REQUIREMENTS. POWDER COAT OR PAINT TO BE APPROVED BY CITY PRIOR TO INSTALLATION.
21. A SELF ADHERE PHASING DIAGRAM SHALL BE PLACED INSIDE CABINET DOOR.



PROPOSED TRAFFIC SIGNAL FACES

POLE I.D.	CONTROL LINE	STATION	OFFSET
1	ILLINOIS ROUTE 23	159+48	81' LEFT
1a	ILLINOIS ROUTE 23	159+77	70' LEFT
2	ILLINOIS ROUTE 23	160-17	62' RIGHT
2a	ILLINOIS ROUTE 23	159+93	82' RIGHT
2b	ILLINOIS ROUTE 23	159-58	50' RIGHT
3a	ILLINOIS ROUTE 23	158-58	58' RIGHT
4	ILLINOIS ROUTE 23	158-32	57' LEFT
4a	ILLINOIS ROUTE 23	158-55	77' LEFT

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REV	DATE	DESCRIPTION	ENGINEER SEAL
1	06/21/06	IDOT REVIEW COMMENTS	

ENGINEER SEAL

**EDSI**  
ENGINEERING DESIGN SOURCE, INC.  
1415 ELBRIDGE PAYNE RD.  
CHESTERFIELD, MO. 63017  
SUITE 255  
(636) 537-5585

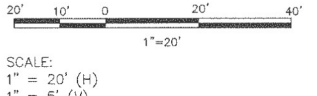
PREPARED FOR: OTTAWA INVESTMENT PARTNERS, LLC

OTTAWA CENTRE

**SIGNAL PLAN**  
**RTE 23 & STEVENSON**

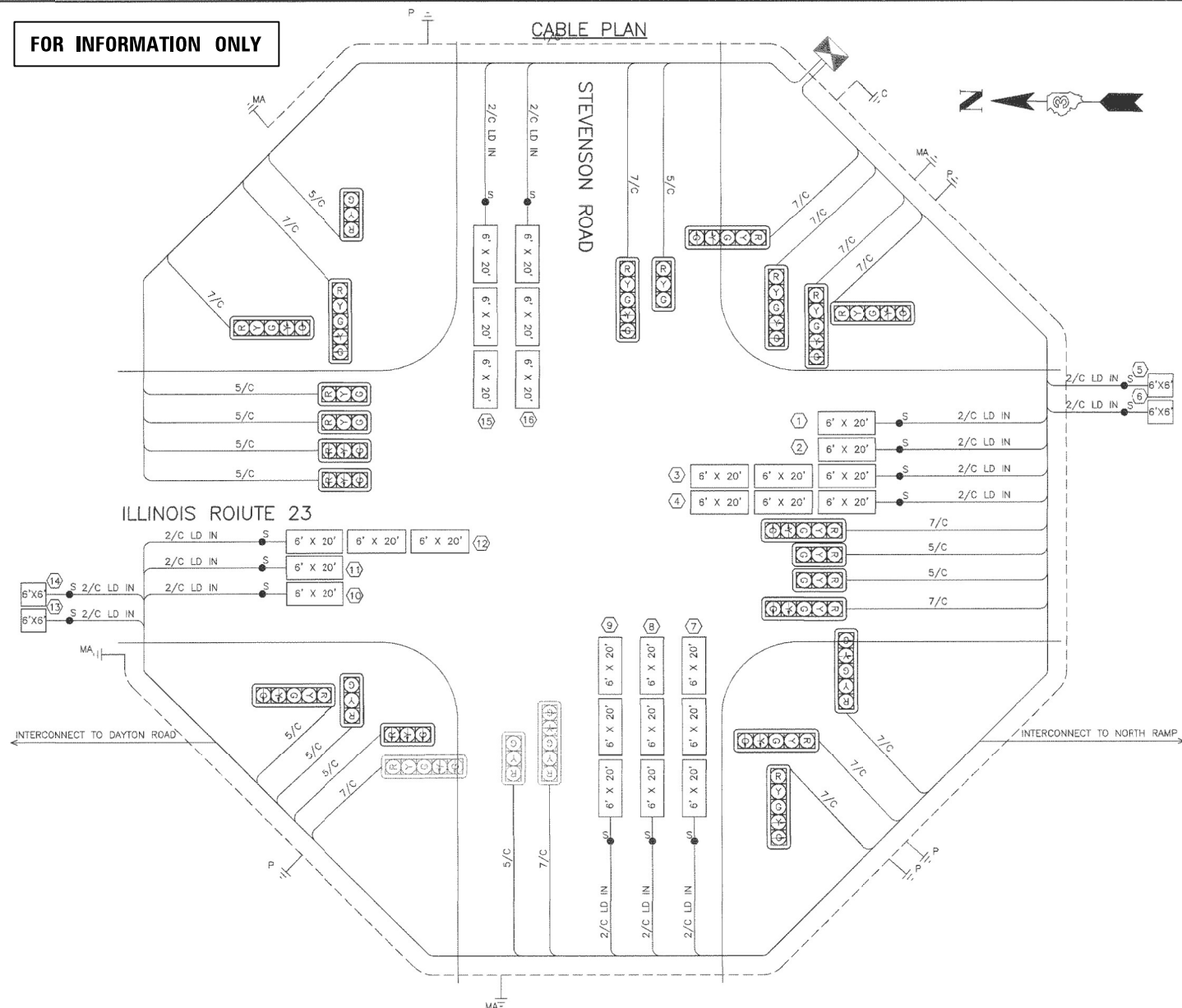
DESIGNED: TA  
DRAWN: GDO  
CHECKED: GJ  
DATE: 06/19/2006

SHEET NO. 27 OF 53



**FOR INFORMATION ONLY**

**CABLE PLAN**

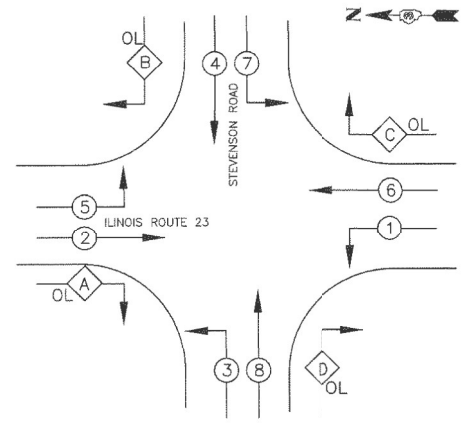


**CABLE PLAN LEGEND**

- ☒ PROPOSED CONTROLLER
- PROPOSED ELECTRICAL CABLE IN CONDUIT
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) (SEE NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- LD IN LEAD-IN CABLE
- CABLE SPLICE (SEE PLAN NOTES)
- PROPOSED SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PUSH BUTTON
- LUMINAIRE
- P GROUND ROD AT POST (P), MAST ARM POLE (MA), OR CONTROLLER (C)

**LEGEND**

- ⊕ DUAL ENTRY PHASE
- ⊖ SINGLE ENTRY PHASE
- OL OVERLAP
- \* NUMBER REFERS TO ASSOCIATED PHASE



**PHASE DESIGNATION DIAGRAM**

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PROTECTED PHASE
A	3
B	5
C	
D	1

**SCHEDULE OF QUANTITIES**

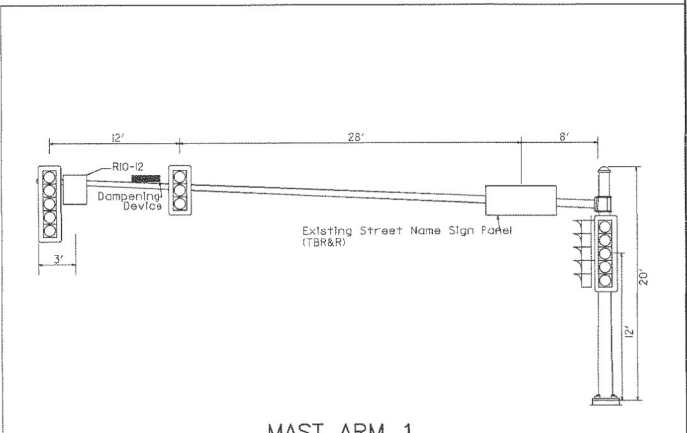
3	EACH	CONCRETE HANDHOLE
1	EACH	CONCRETE DOUBLE HANDHOLE
4	EACH	SIGNAL HEAD, L.E.D., POLYCARBONATE, 1-FACE, 3-SECTION, BRACKET MOUNTED
9	EACH	SIGNAL HEAD, L.E.D., POLYCARBONATE, 1-FACE, 5-SECTION, BRACKET MOUNTED
8	EACH	SIGNAL HEAD, L.E.D., POLYCARBONATE, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., POLYCARBONATE, 1-FACE, 5-SECTION, MAST ARM MOUNTED
23	EACH	TRAFFIC SIGNAL BACKPLATE
28	EACH	INDUCTIVE LOOP DETECTOR
3308	FOOT	DETECTOR LOOP, TYPE 1
360	FOOT	CONDUIT IN TRENCH, 1" DIA., PVC
719	FOOT	CONDUIT IN TRENCH, 2" DIA., PVC
184	FOOT	CONDUIT IN TRENCH, 4" DIA., PVC
75	FOOT	CONDUIT IN TRENCH, 5" DIA., PVC
69	FOOT	CONDUIT PUSHED, 4" DIA., PVC
276	FOOT	CONDUIT PUSHED, 5" DIA., PVC
669	FOOT	ELECTRICAL CABLE IN CONDUIT, GROUNDING, NO. 6 1C
3448	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14 5C
3780	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14 7C
4856	FOOT	ELECTRICAL CABLE IN CONDUIT, LEAD IN, NO. 14 1 PAIR
5	EACH	TRAFFIC SIGNAL POST, ALUMINUM 16'
1	EACH	STEEL MAST ARM ASSEMBLY & POLE, 48'
1	EACH	STEEL MAST ARM ASSEMBLY & POLE, 55'
1	EACH	STEEL MAST ARM ASSEMBLY & POLE, 51'
10	FOOT	CONCRETE FOUNDATION, TYPE A
4.3	FOOT	CONCRETE FOUNDATION, TYPE E 36" DIAMETER
18	EACH	DRILL EXISTING HANDHOLE
1	EACH	MODIFY EXISTING CONTR'LER CABINET, DETECTOR LOOPS TO MATCH CABLE PLAN
1	EACH	UNINTERRUPTIBLE POWER SUPPLY

**DETECTOR LOOP REQUIREMENTS AND CALCULATIONS**

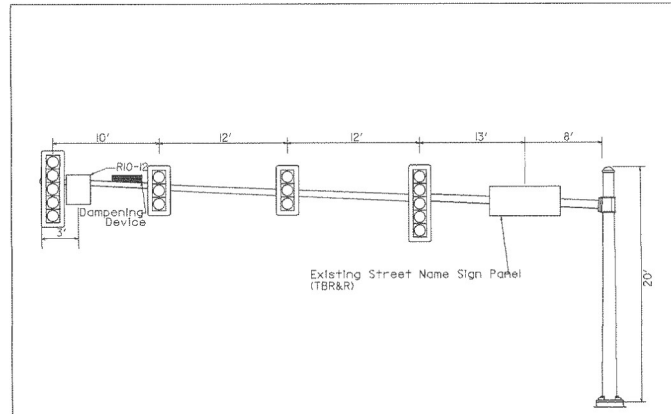
LOOP	PHASE	LOOP SIZE	REQUIRED NO. OF TURNS	CALCULATED INDUCTANCE MICROHENRIES
1	NB THRU	6' X 20'	4	—
2	NB THRU	6' X 20'	4	—
3	NB LEFT	6' X 20' X3	4	723
4	NB LEFT	6' X 20' X3	4	723
5	NB THRU	ADVANCED 6' X 6'	6	344
6	NB THRU	ADVANCED 6' X 6'	6	344
7	EB RIGHT	8' X 20' X3	4	—
8	EB THRU	8' X 20' X3	4	—
9	EB LEFT	3' X 20' X3	4	828
10	SB THRU	2' X 20'	4	302
11	SB THRU	2' X 20'	4	302
12	SB LEFT	5' X 20' X3	4	906
13	SB THRU	ADVANCED 6' X 6'	6	417
14	SB THRU	ADVANCED 6' X 6'	6	417
15	WB LEFT	7' X 20' X3	4	—
16	WB THRU/RIGHT	4 AND B 6' X 20' X3	4	—

THE ABOVE VALUES ARE CALCULATED FOR COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

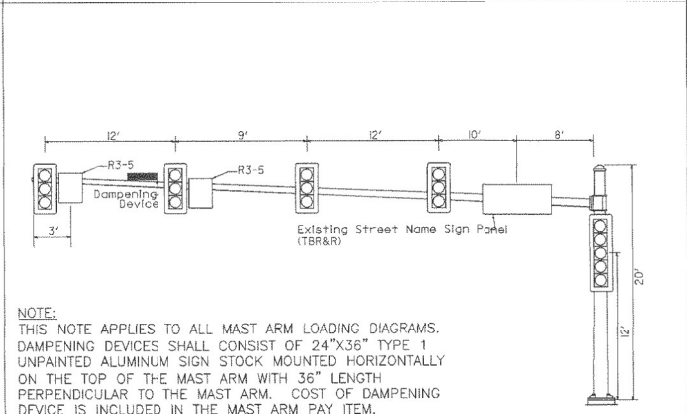
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**MAST ARM 1**



**MAST ARM 2**



**MAST ARM 4**

**NOTE:**  
THIS NOTE APPLIES TO ALL MAST ARM LOADING DIAGRAMS. DAMPENING DEVICES SHALL CONSIST OF 24"X36" TYPE 1 UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON THE TOP OF THE MAST ARM WITH 36" LENGTH PERPENDICULAR TO THE MAST ARM. COST OF DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.

REV	DATE	DESCRIPTION
1	06/21/06	IDOT REVIEW COMMENTS

ENGINEER SEAL

**EDSI**  
ENGINEERING DESIGN SOURCE, INC.  
1415 ELBRIDGE PAYNE RD.  
CHESTERFIELD, MO. 63017  
SUITE 255  
(636) 537-5585

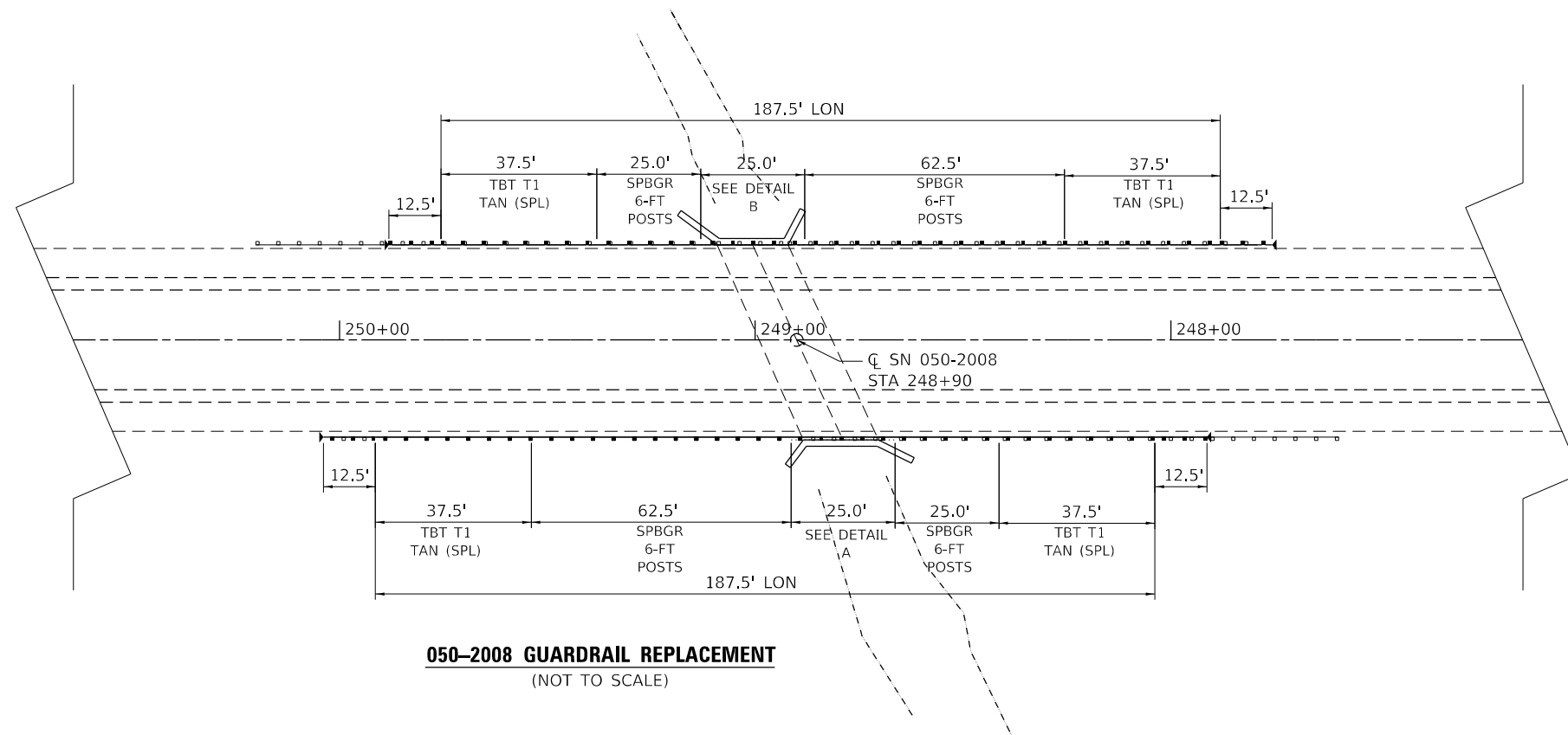
PREPARED FOR: **OTTAWA INVESTMENT PARTNERS, LLC**

**OTTAWA CENTRE**

**SIGNAL PLAN**

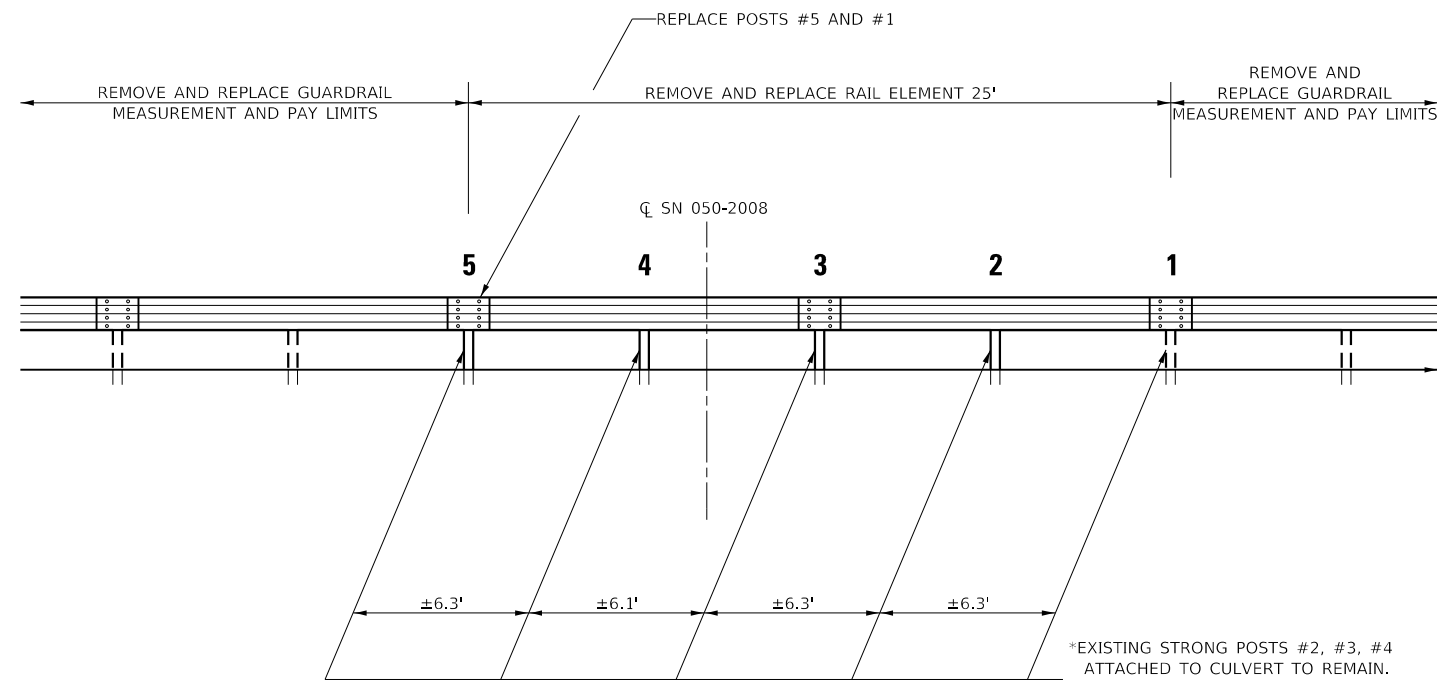
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CHECKED: GJ  
DATE: 06/19/2006

SHEET NO. **28 OF 53**



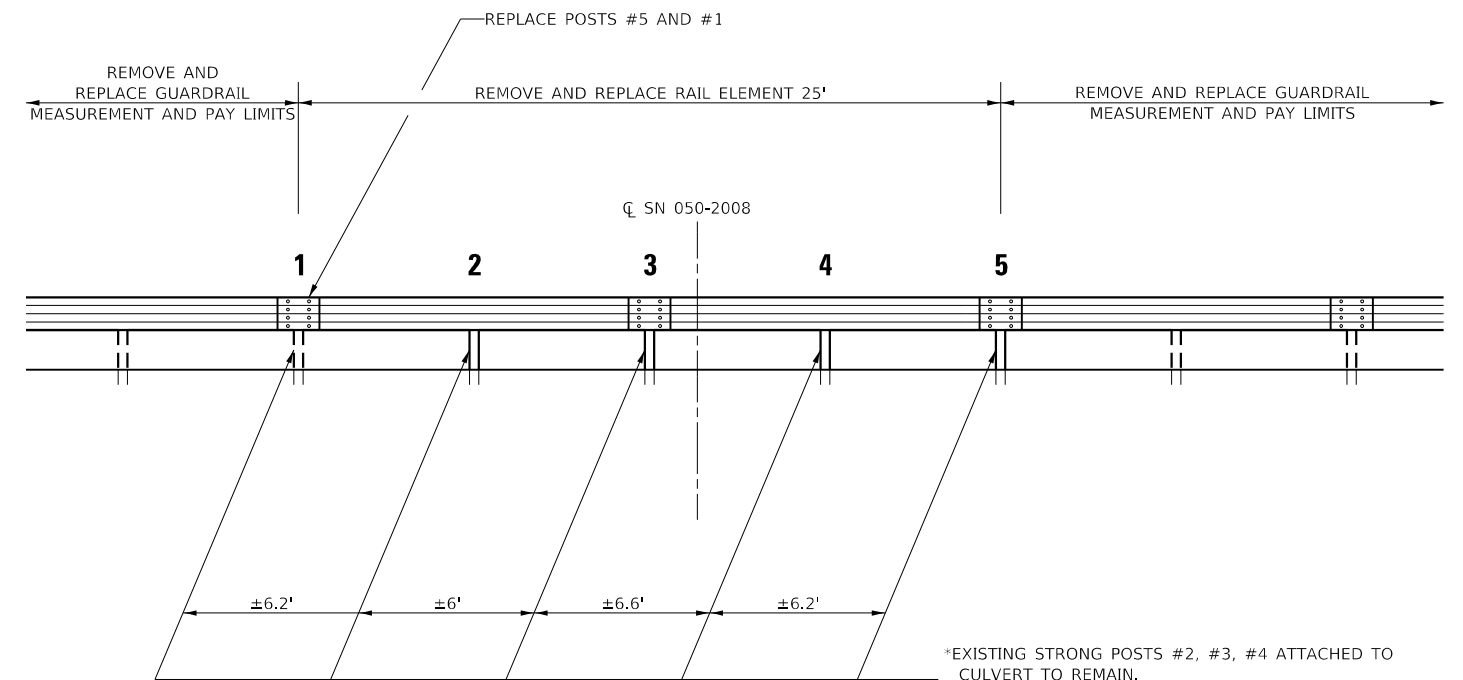
**050-2008 GUARDRAIL REPLACEMENT**  
(NOT TO SCALE)

**SN 050-2008 LT (EAST)  
DETAIL A**



\*EXISTING STRONG POSTS #2, #3, #4  
ATTACHED TO CULVERT TO REMAIN.  
\*EXISTING SPLICES AT POSTS #1, #3, #5  
\*POSTS #1 & #5 OUTSIDE THE STRUCTURE

**SN 050-2008 LT (WEST)  
DETAIL B**



\*EXISTING STRONG POSTS #2, #3, #4  
ATTACHED TO CULVERT TO REMAIN.  
\*EXISTING SPLICES AT POSTS #1, #3, #5  
\*POSTS #1 & #5 OUTSIDE THE STRUCTURE

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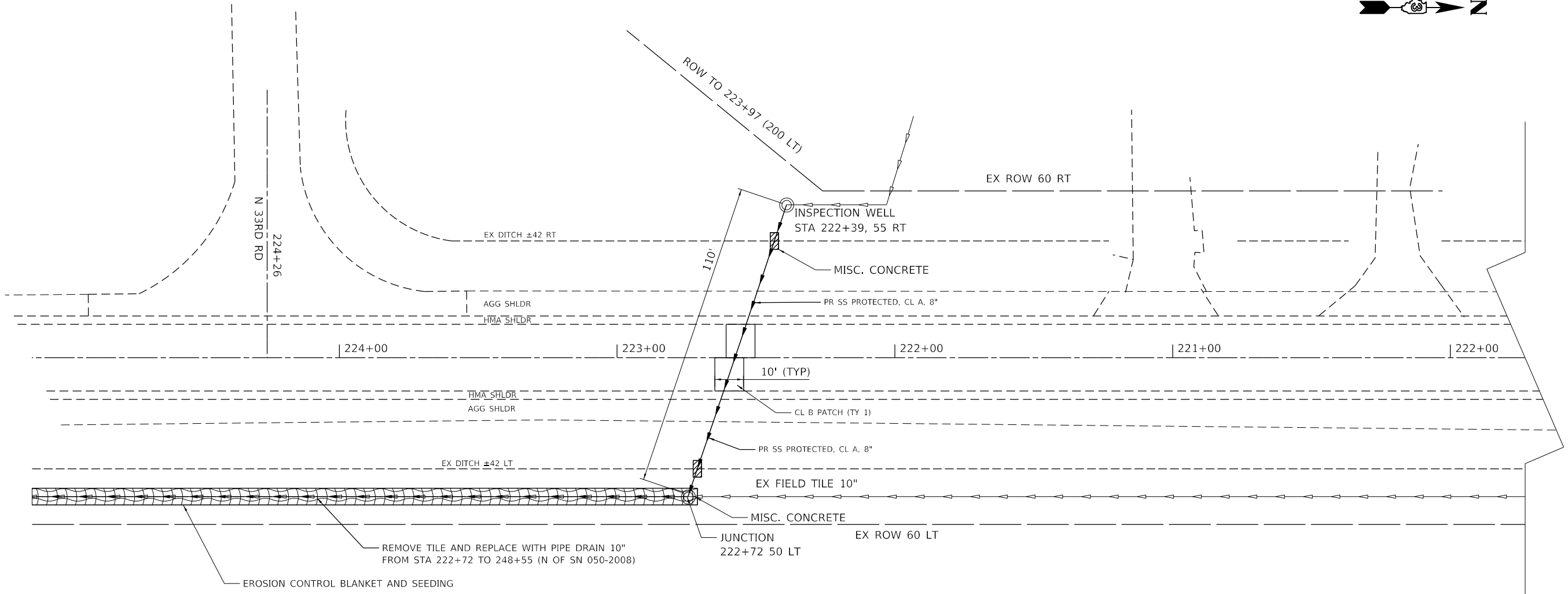
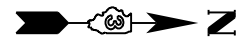
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**050-2008 GUARDRAIL  
REPLACEMENT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	31
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				



**FIELD TILE REPLACEMENT**  
(NOT TO SCALE)

MODEL: Default  
 FILE: \\nas01-01-01\pub\user\ben\ben\com\PHWDOT\Documents\DOT Offices\Bentley - Projects\66616\CD\Drawings\66616-SHT-44.dwg  
 3/18/2022 10:00:00 AM

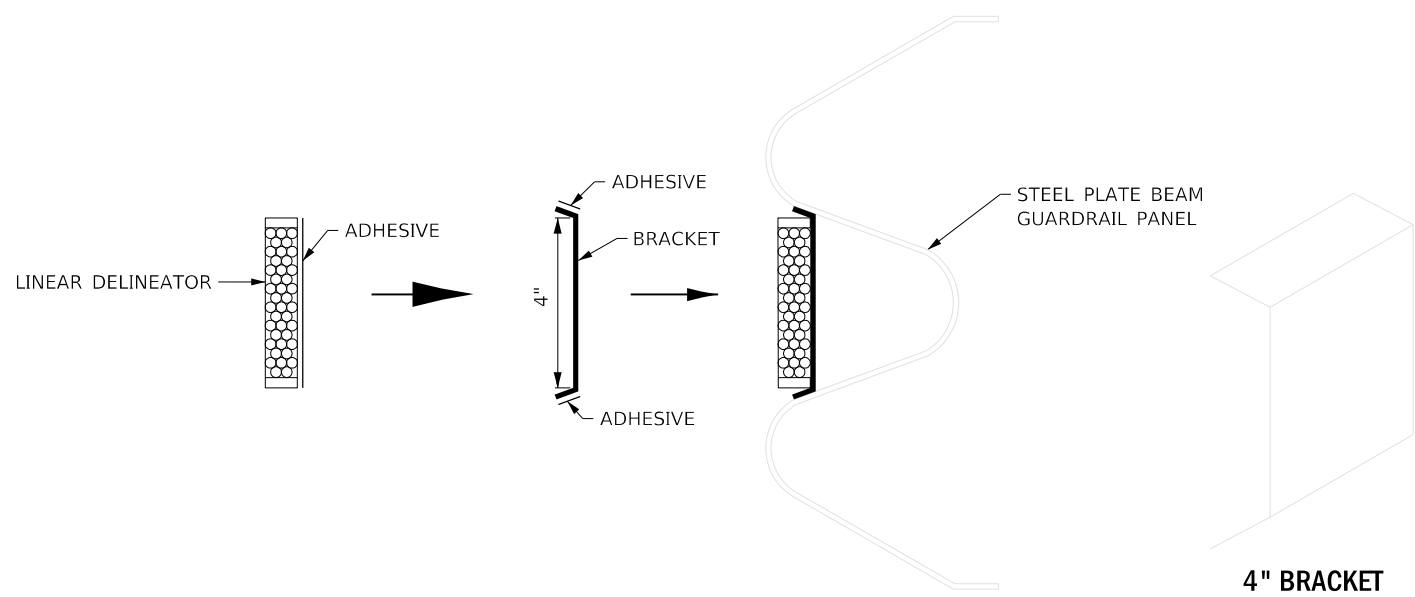
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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>FIELD TILE REPLACEMENT</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3) RS-5	LASALLE	41	32
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				

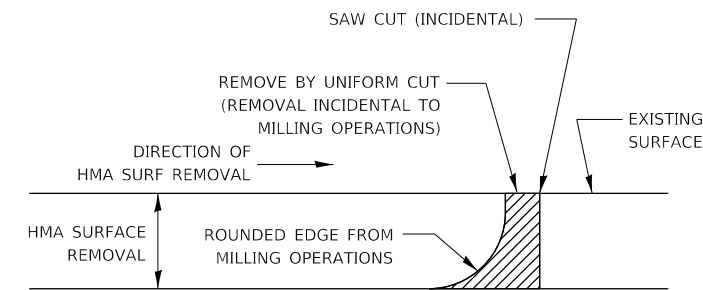




4" BRACKET

### LINEAR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL

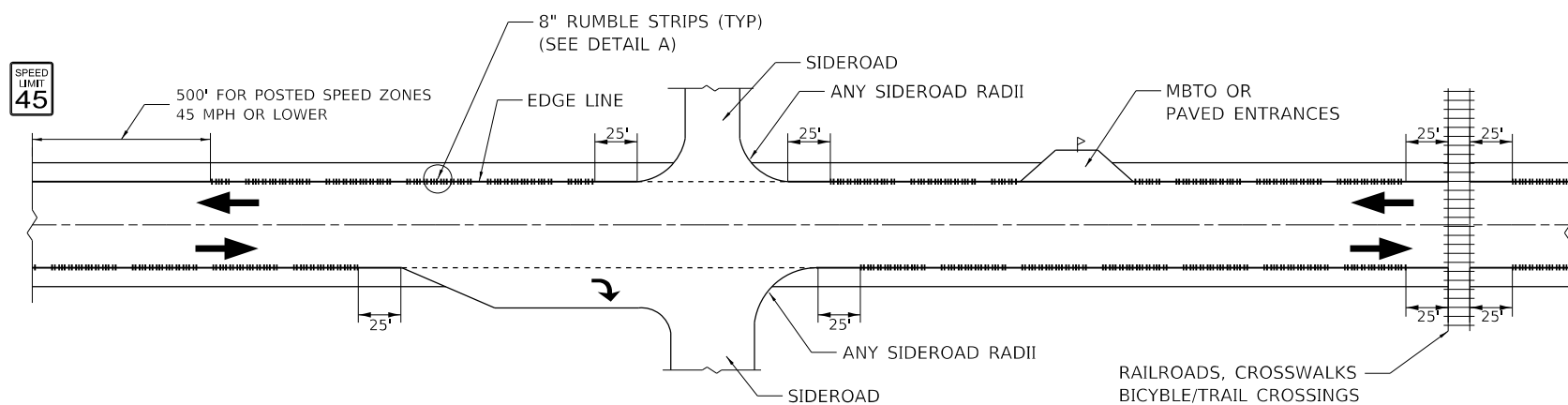
LINEATOR DELINEATOR SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS



NOTE:  
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

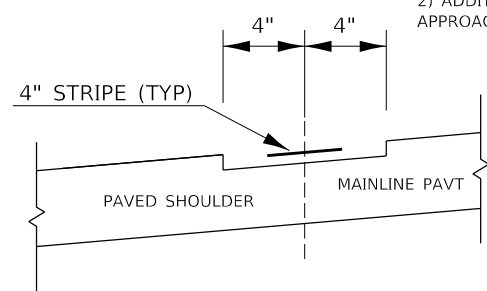
### HMA DETAIL AT BUTT JOINTS

406-8

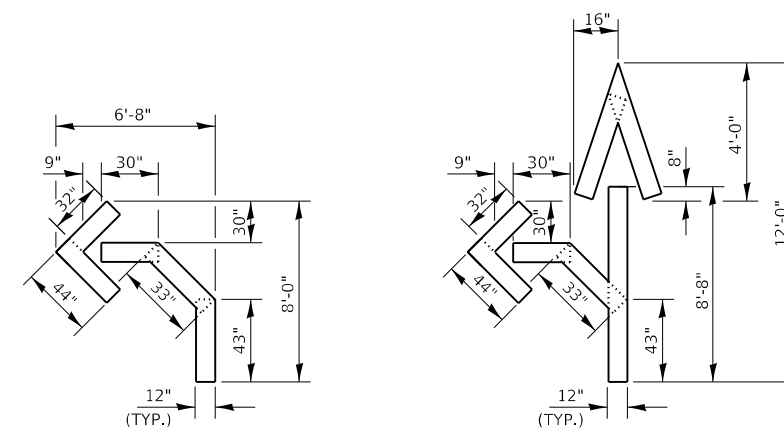


### RUMBLE STRIPES APPLICATION

- 1) APPLICATION AND GROOVING PER HWY STND 642006 EXCEPT THAT RUMBLE STRIPS SHALL BE ON EDGE LINE.
- 2) ADDITIONAL OMISSIONS AT GORES, RAMP, RIGHT & LEFT TURN DECELERATION LANES AND BRIDGE DECKS / APPROACH SLABS (NOT SHOWN)

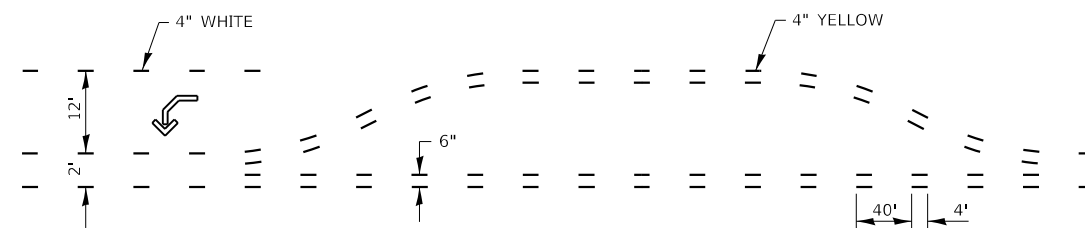


DETAIL A



QUANTITY  
12" LINE = 16 LIN FT  
OR 4" LINE = 48 LIN FT

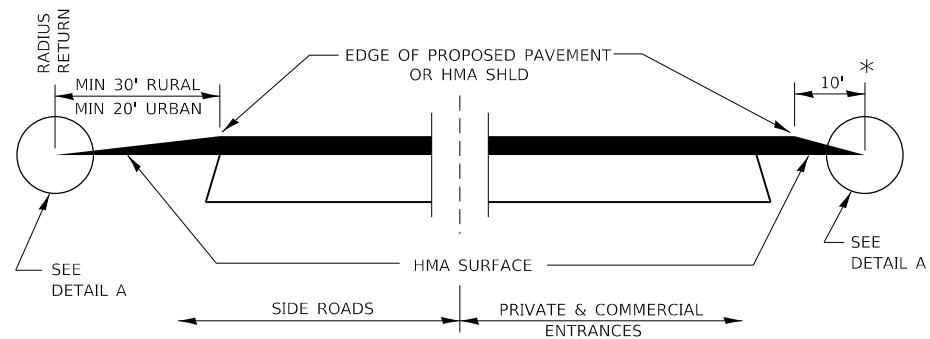
QUANTITY  
12" LINE = 29 LIN FT  
OR 4" LINE = 87 LIN FT



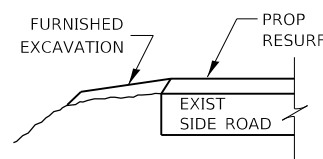
### SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

703-1

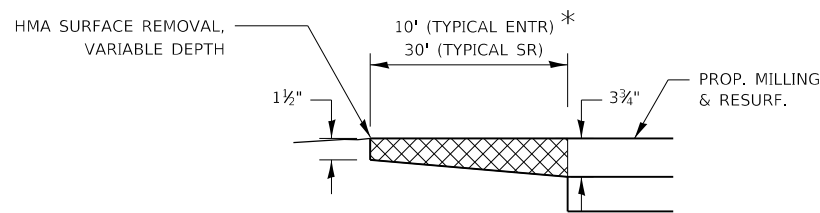
FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\illdot-pw\benfey.com\PWIDOT\Documents\IDOT Office\District 3\Projects\ID366616\CADData\ID366616-shl-details.dwg	DRAWN -	REVISED -	68					(3)RS-6	LASALLE	41	33	
Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 66616				
	PLOT DATE = 3/18/2022	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



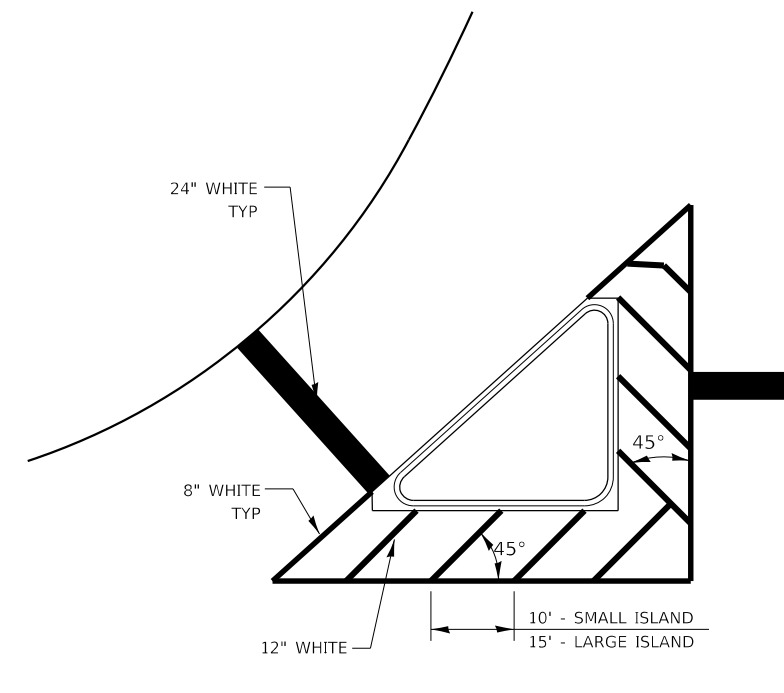
**SECTION A-A**  
**DETAILS AT ENTRANCES & SIDE ROADS**



**SECTION B-B**

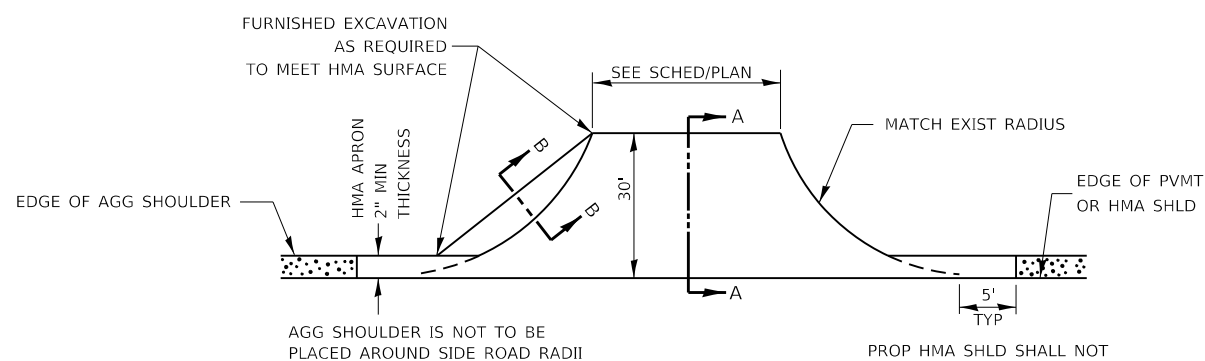


**DETAIL A**

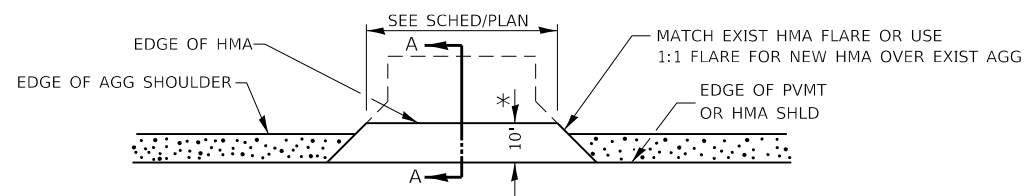


**TYPICAL ISLAND**

780-21



**PLAN AT SIDE ROADS**



**PLAN AT PRIVATE & COMMERCIAL ENTRANCES**

(DO NOT RESURFACE FIELD ENTRANCES)

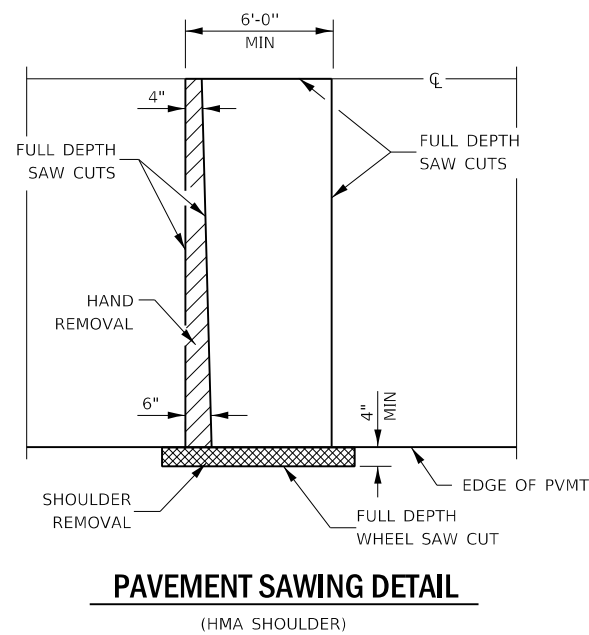
\* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -
pw:\lido\pw_ben\ey.com\PW\DOT\Documents\IDOT Office\District 3\Projects\D366616\CADData\D366616-shl-details.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2022	DATE -	REVISED -

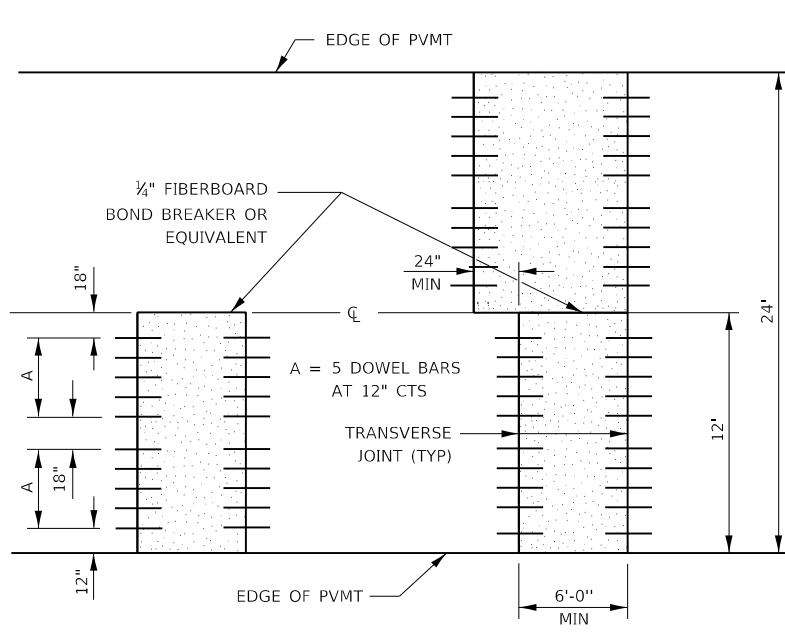
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>DETAILS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

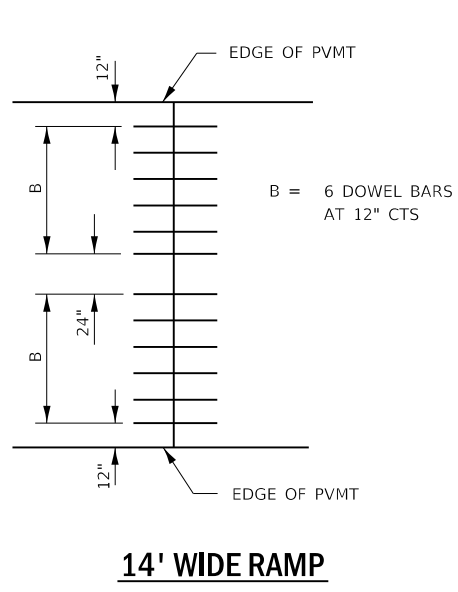
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(3)RS-6	LASALLE	41	34
CONTRACT NO. 66616				
ILLINOIS FED. AID PROJECT				



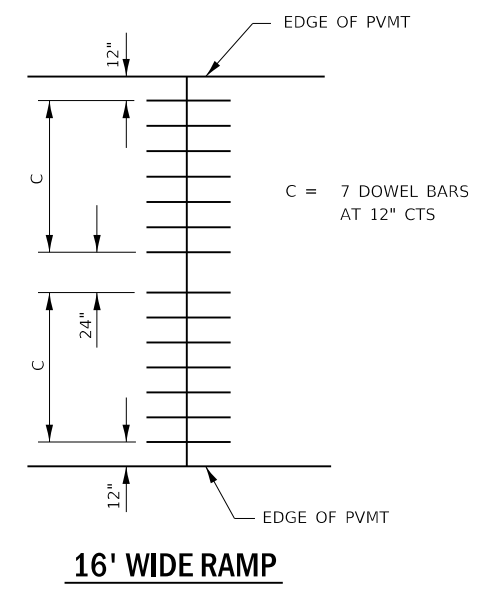
**PAVEMENT SAWING DETAIL**  
(HMA SHOULDER)



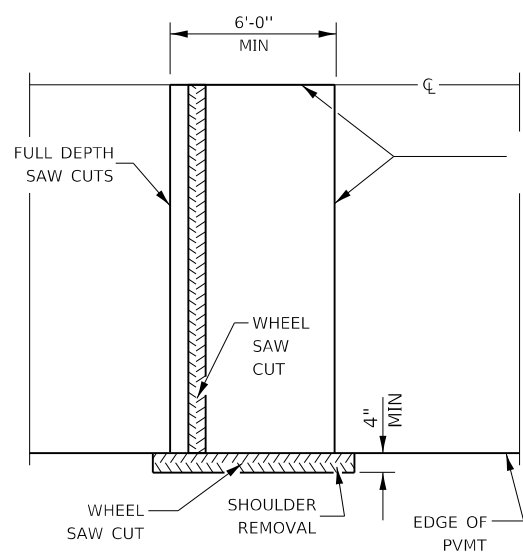
**12' WIDE LANES**



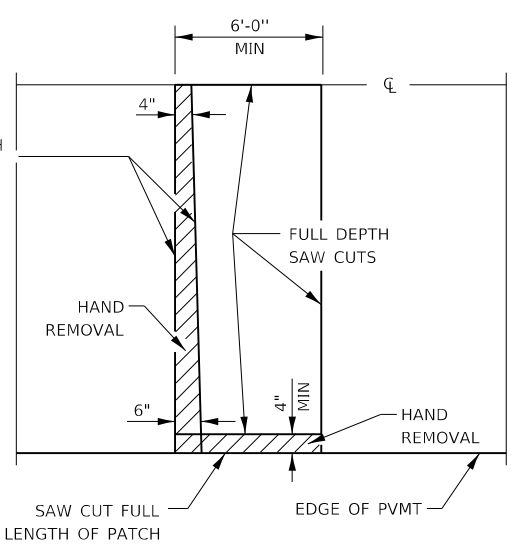
**14' WIDE RAMP**



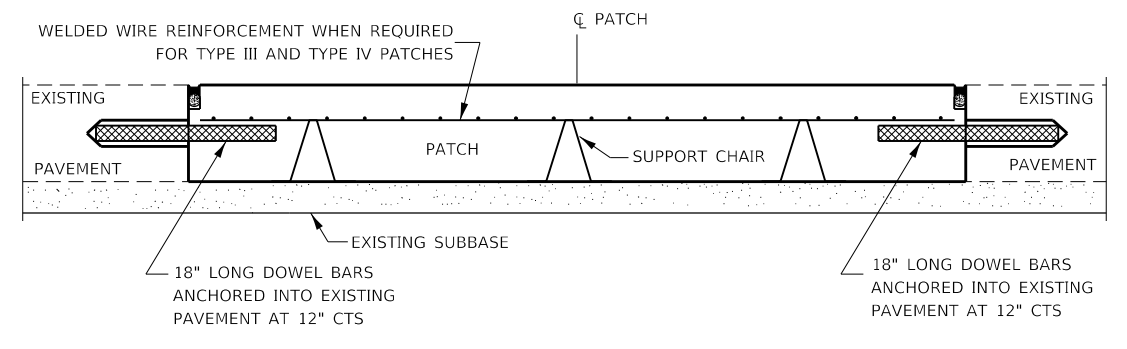
**16' WIDE RAMP**



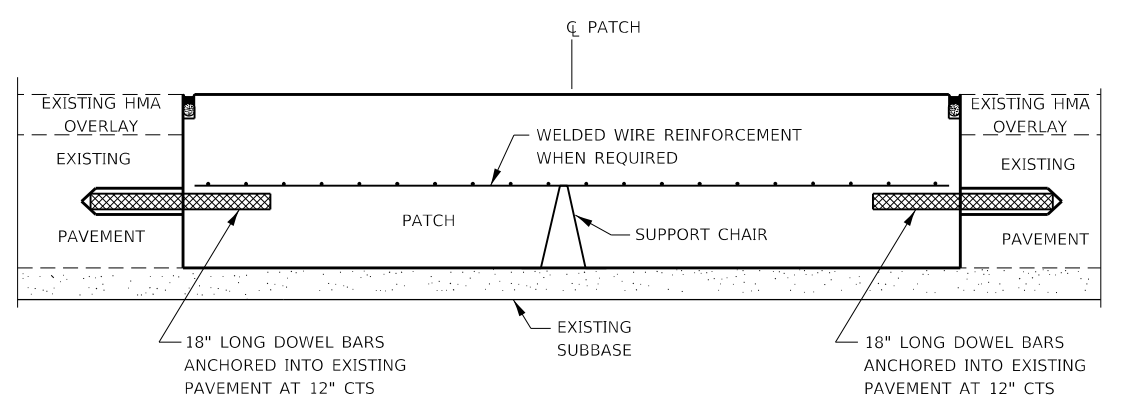
**ALTERNATE SAWING DETAIL**  
(HMA SHOULDER)



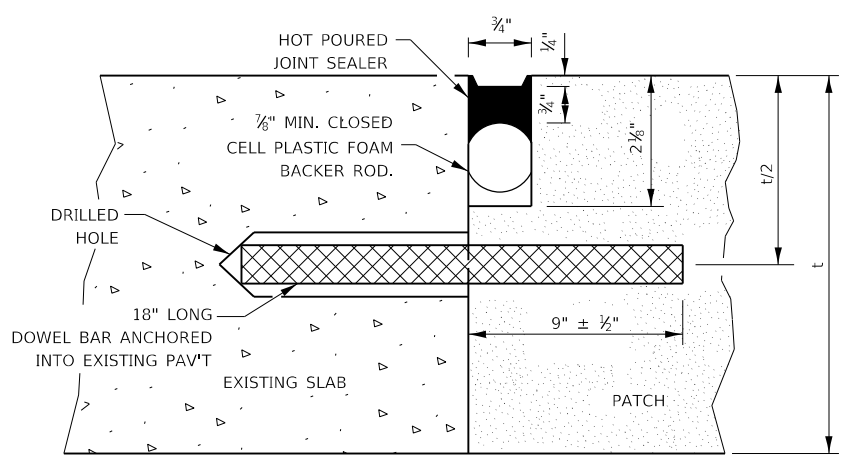
**PAVEMENT SAWING DETAIL**  
(PCC SHOULDER)



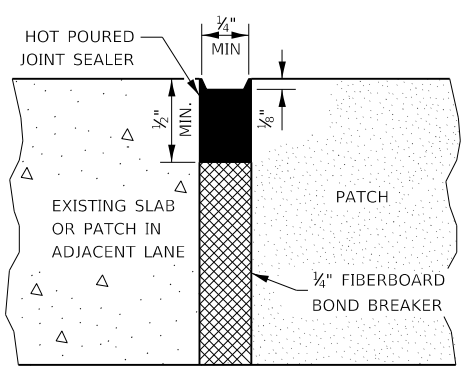
**PATCHING WITHOUT HMA OVERLAY**



**PATCHING WITH HMA OVERLAY**



**TRANSVERSE JOINT**

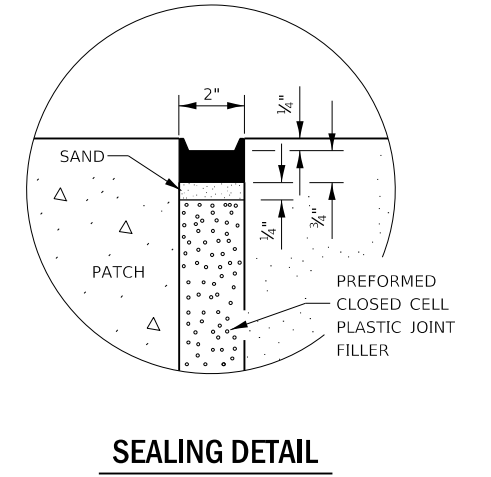
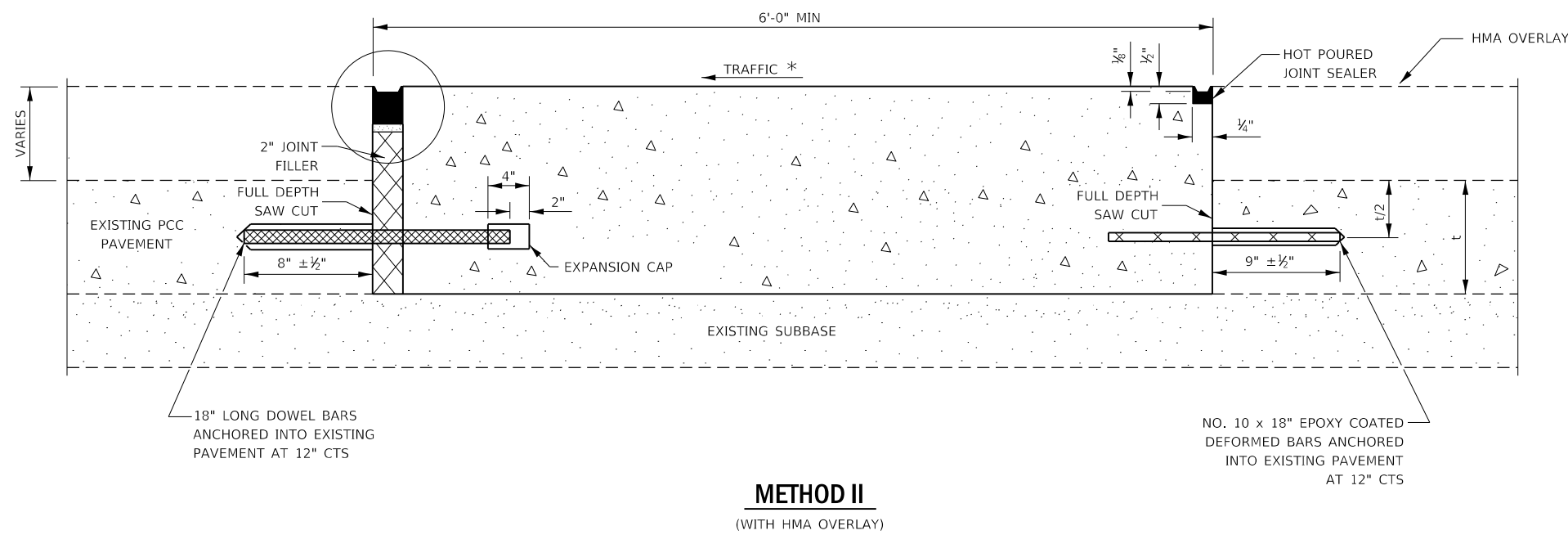
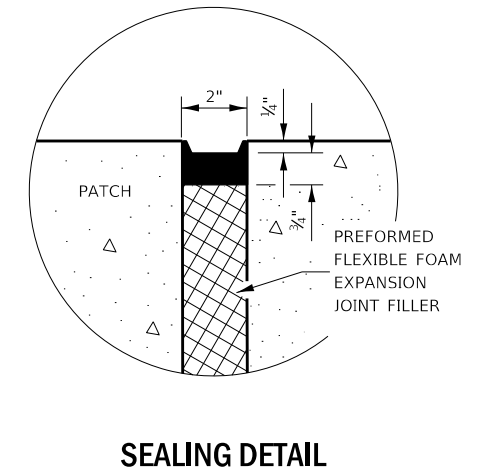
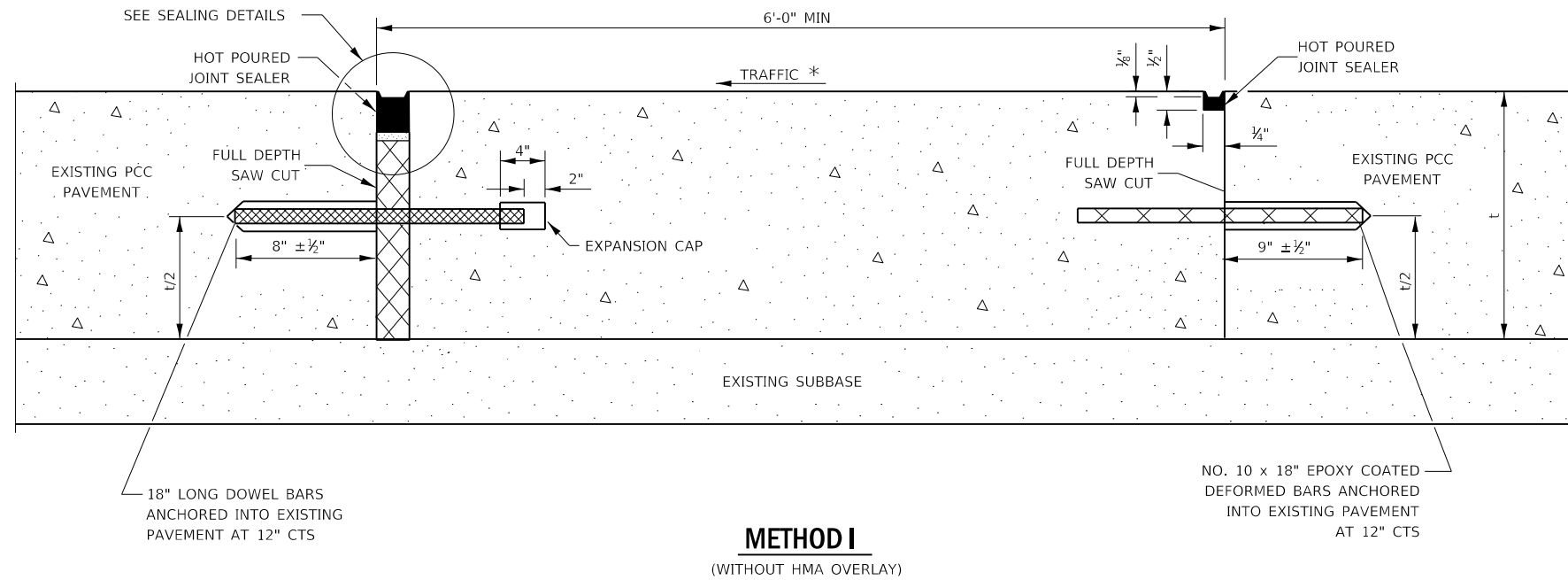


**CENTERLINE JOINT**

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1 1/2"	1 3/8"
7" THRU 7.99"	1 1/4"	1 3/8"
LESS THAN 7"	1"	1 1/8"

**GENERAL NOTES**

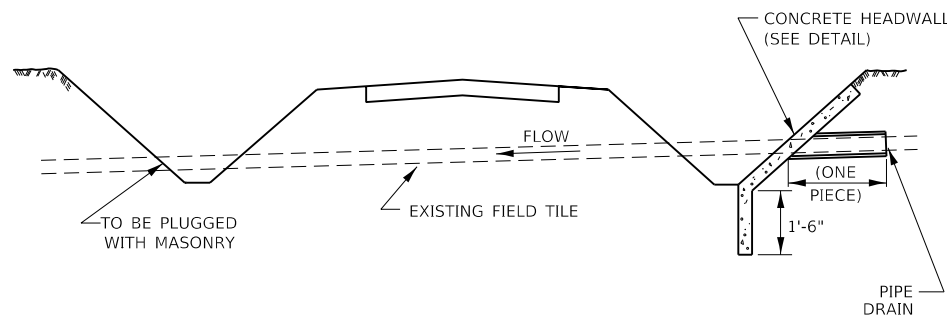
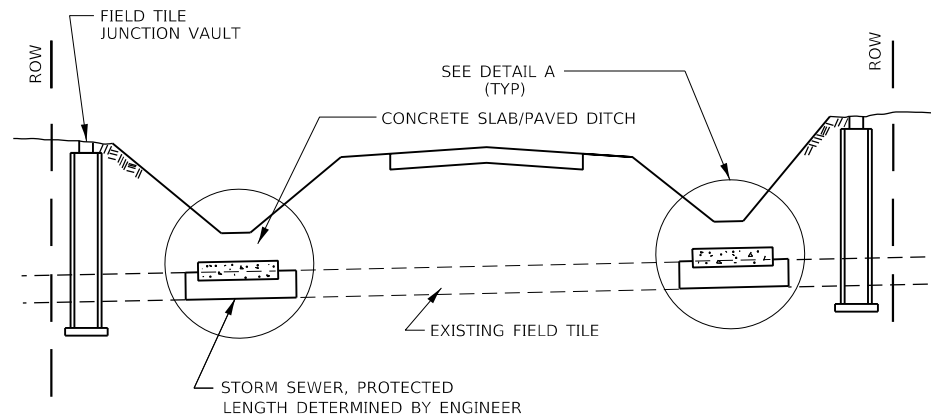
THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.  
SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.



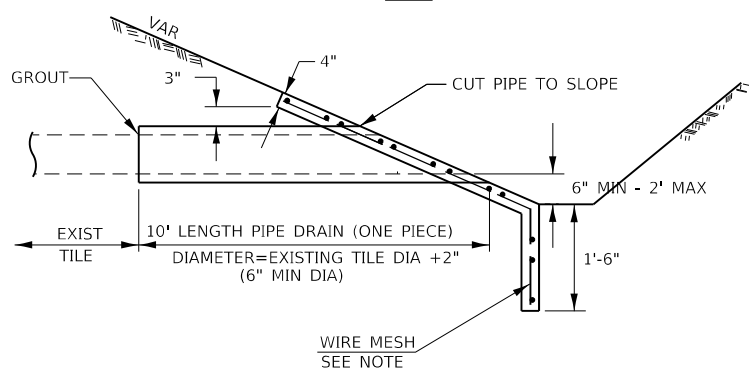
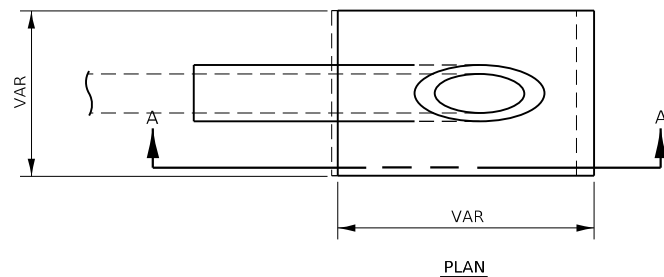
**NOTE**

\* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CLASS B PATCHING DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\illdot-pw\benfey.com\PWIDOT\Documents\IDOT Office\District 3\Projects\ID366616\CADData\ID366616-shi-details.dgn	DRAWN -	REVISED -	REVISED -					68	(3)RS-5	LASALLE	41	36
Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66616							
	PLOT DATE = 3/18/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS

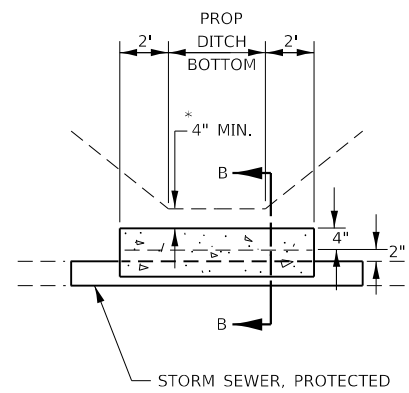


**FIELD TILE REPLACEMENT**



**SECTION A-A**

**CLASS SI CONCRETE HEADWALLS**



**DETAIL A**  
NO SCALE

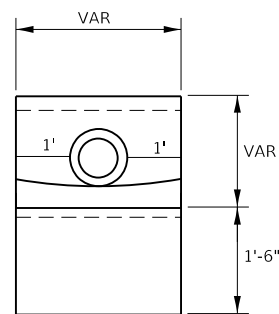
\* IF A 4" COVER CAN NOT BE PROVIDED A PAVED DITCH SHALL BE CONSTRUCTED AS SHOWN IN DETAIL C.

**NOTES**

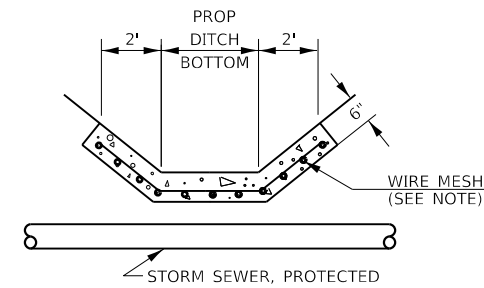
1. WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 550 OF THE STD. SPECIFICATIONS, OR 3' MIN.
2. CONCRETE FOR SLAB, HEADWALL AND PAVED DITCH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "MISCELLANEOUS CONCRETE."
3. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ FT

**NOTES**

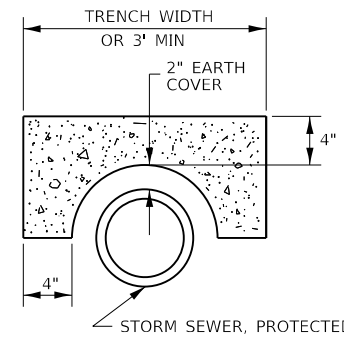
1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ FT



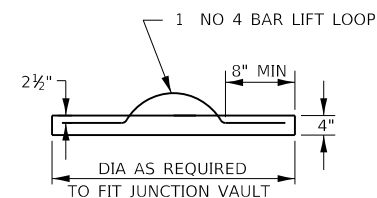
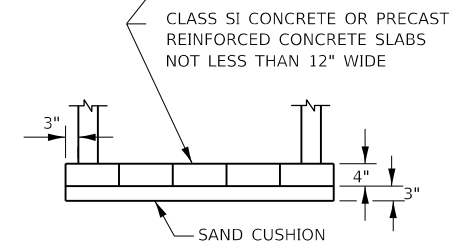
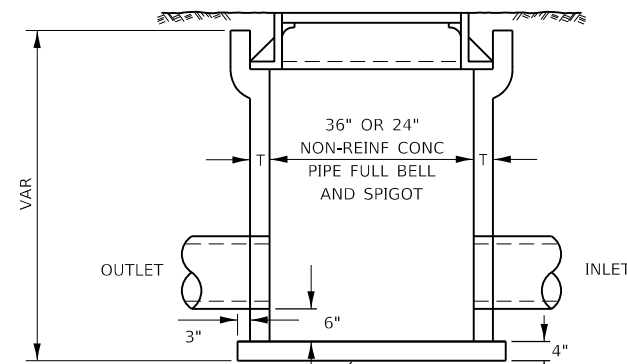
**END VIEW**



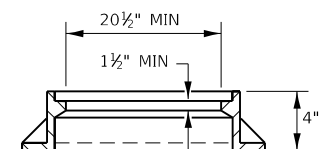
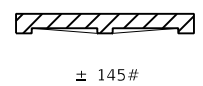
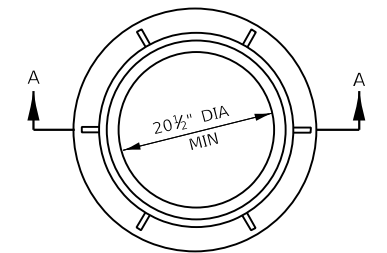
**DETAIL C**  
NO SCALE



**SECTION B-B**



**FIELD TILE JUNCTION VAULT**

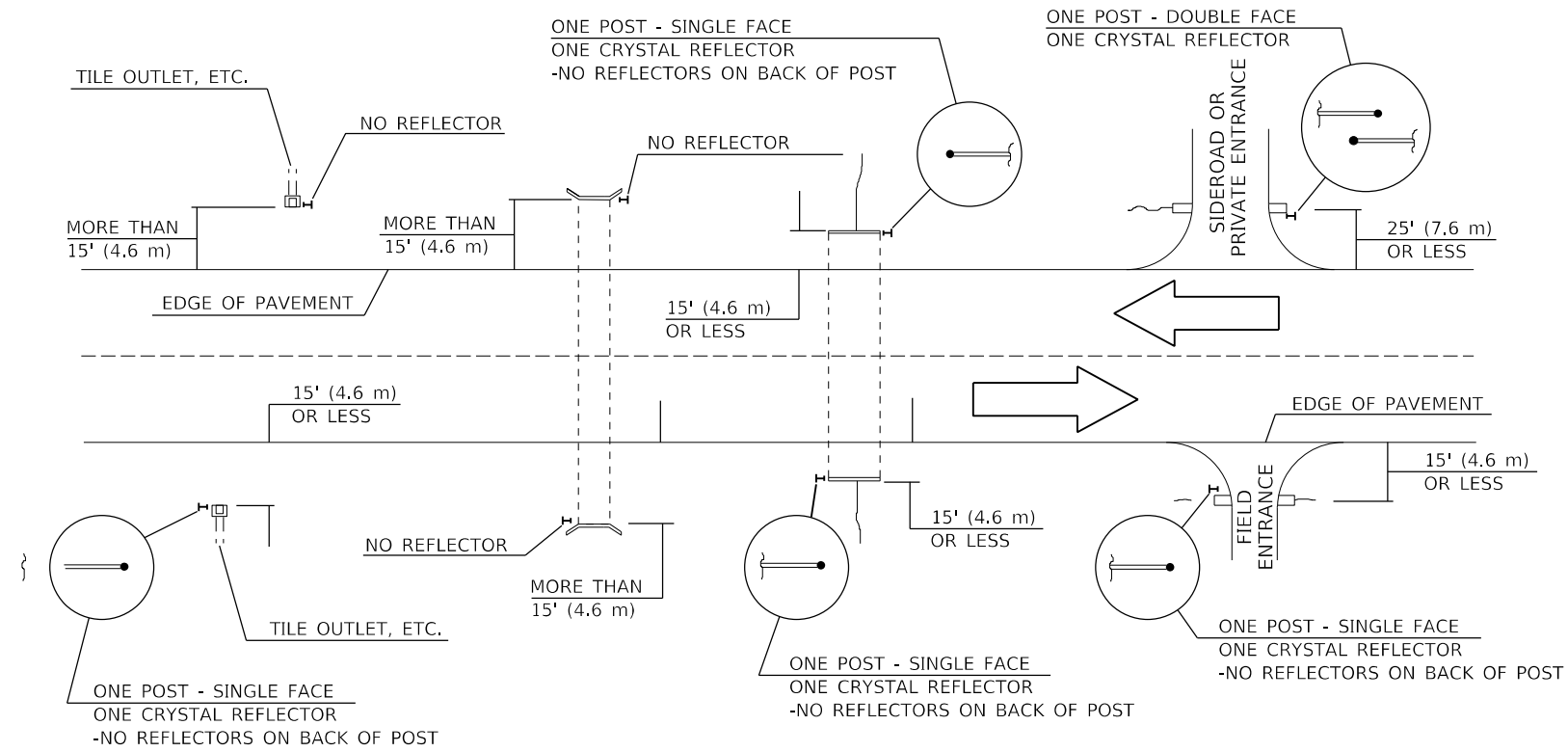


**SECTION A-A**

ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE RISERS	4"
CONCRETE MASONRY UNIT	5"
MONOLITHIC CONCRETE	6"
BUILDING BRICK, GRADE SW FROM CLAY OR SHALE	8"
CONCRETE BUILDING BRICK, GRADE A	8"

**NOTES**

1. THE CONTRACT UNIT PRICE FOR FIELD TILE JUNCTION VAULT SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE FRAME AND GRATE OR PRECAST CONCRETE LID AND WHEN REQUIRED, THE SAND CUSHION.
2. ALL FIELD TILE JUNCTION VAULTS SHALL BE 2'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.



**IDENTIFICATION OF ROADSIDE HAZARDS FOR TWO-LANE ROADWAYS**

**NOTES**

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE THERE IS NO GUARDRAIL, OR OTHER PERMANENT BARRIER, ON THE SAME SIDE OF ROAD AS THE HAZARD.

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE DELINEATORS ARE NOT IN PLACE ALONG THE EDGE OF SHOULDER.

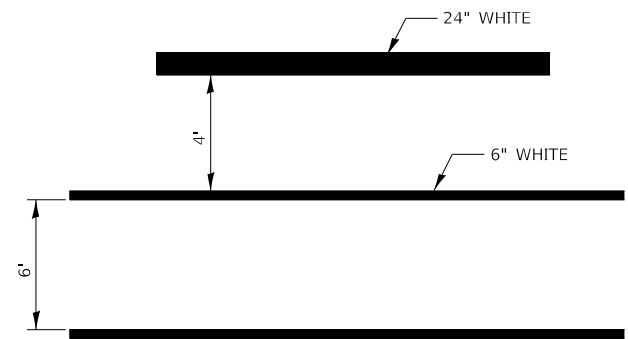
EACH POST SHALL BE CONSIDERED AS ONE DELINEATOR FOR PAYMENT, REGARDLESS OF THE NUMBER OF DELINEATORS ATTACHED TO IT.

FOR ONE-WAY ROADWAYS THE APPLICATION SHALL BE SIMILAR WITH DELINEATORS PLACED ON THE TRAFFIC APPROACH SIDE OF HAZARDS AND OBJECTS. ONLY SINGLE FACE DELINEATORS WILL BE REQUIRED ON ONE-WAY ROADWAYS. CRYSTAL ON RIGHT SIDE, AMBER ON LEFT.

FOR OTHER DELINEATOR APPLICATIONS, REFER TO HIGHWAY STANDARD 635001.

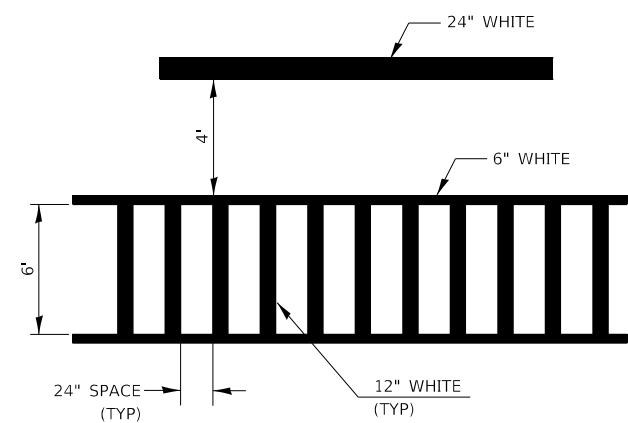
TYPE A REFLECTORS SHALL BE USED.

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\illdot\pw\benfey.com\PWIDOT\Documents\IDOT Office\Case\District 3\Project\66616\CADData\66616-shl-details.dgn		DRAWN -	REVISED -		68	(3)RS-5	LASALLE	41	38				
Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66616								
	PLOT DATE = 3/18/2022	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					



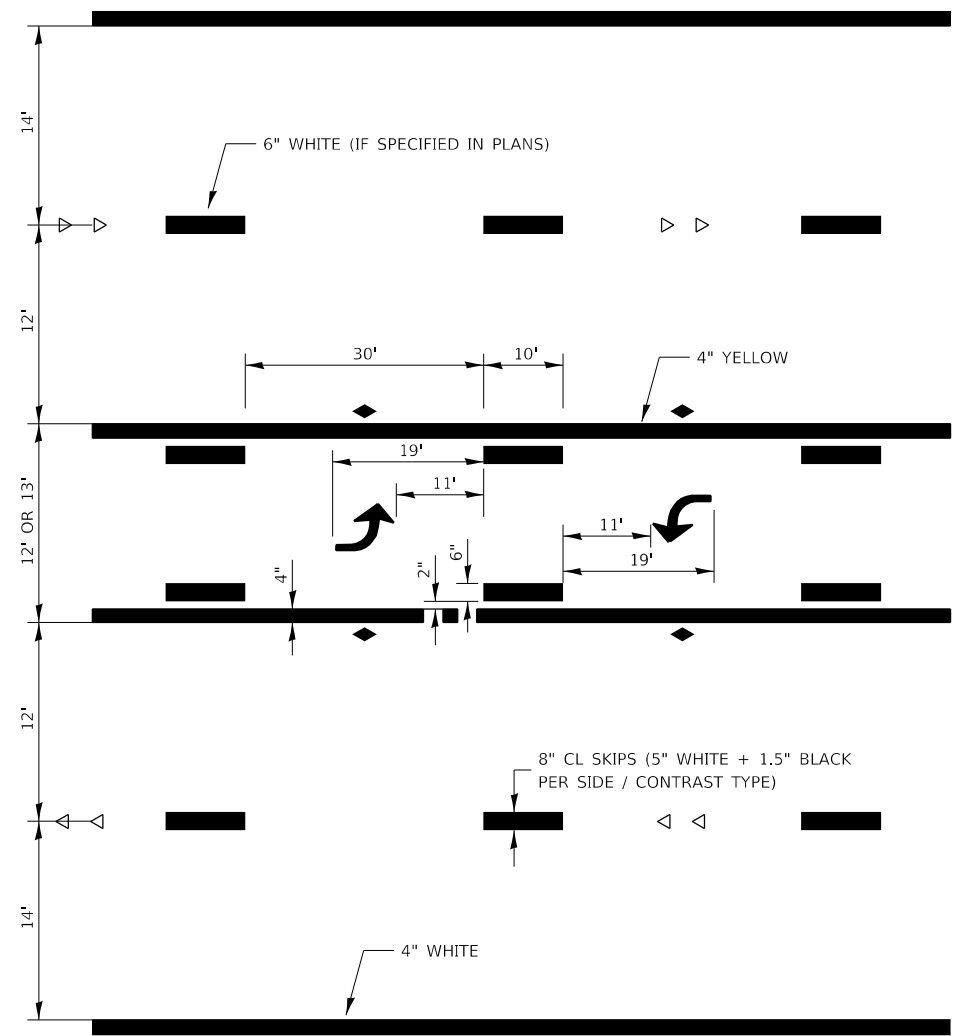
**TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS**

**780-3  
OPTION 1**



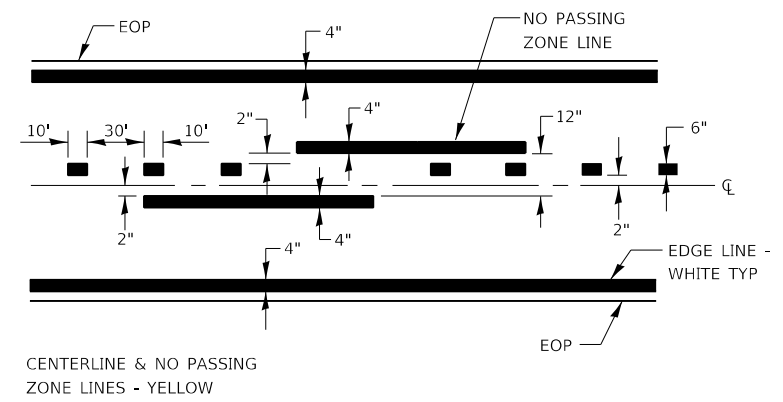
**TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS**

**780-3  
OPTION 2**



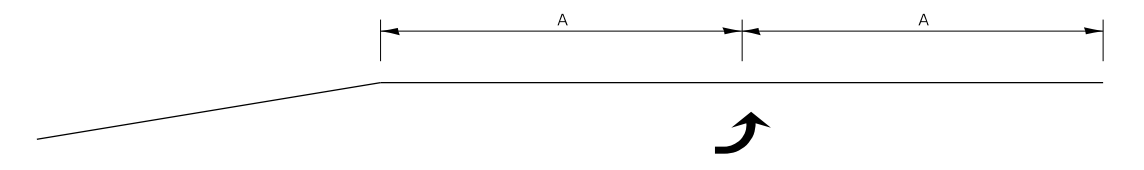
**TYPICAL APPLICATION @ TWO WAY LEFT TURN LANE (TWLTL)**

**780-2**

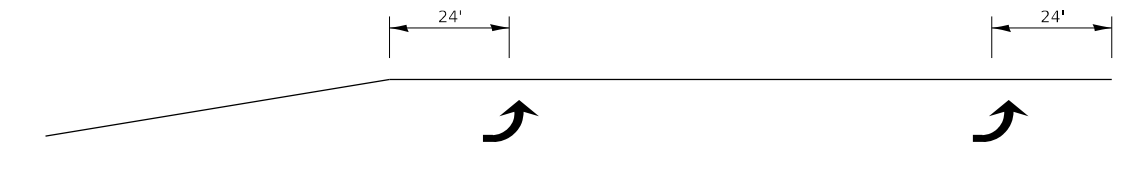


**PAVEMENT MARKING**

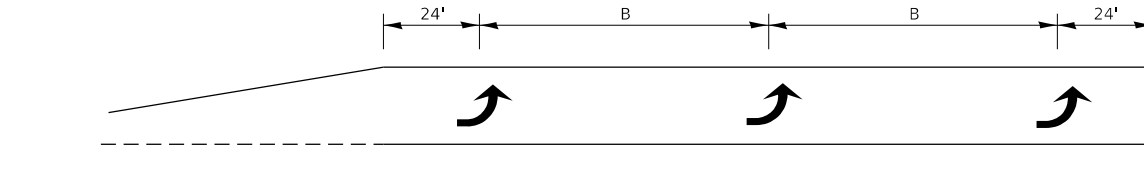
**780-8**



**99' AND UNDER**



**100' TO 149'**



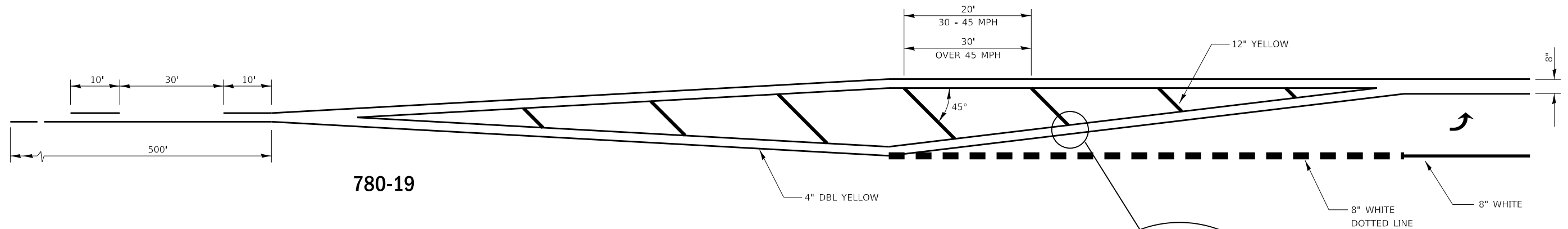
**150' AND LONGER**

**TYPICAL PLACEMENT OF ARROWS IN TURN LANES**

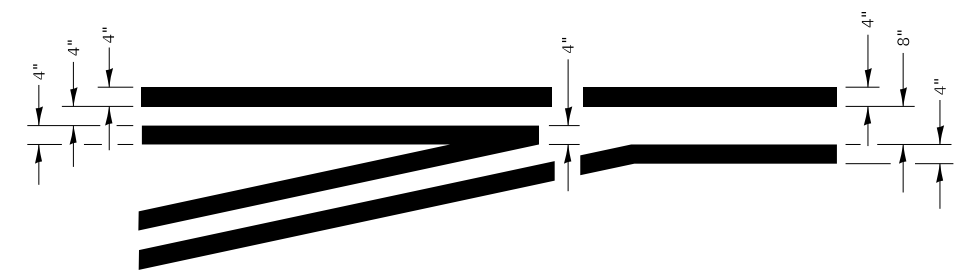
**780-10**

# URBAN PAVEMENT MARKING

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\illdot-pw-benfey.com\PWIDOT\Documents\IDOT Office\District 3\Projects\D366616\CADData\D366616-shl-details.dgn		DRAWN -	REVISED -		68	(3)RS-5	LASALLE	41	39			
Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66616							
	PLOT DATE = 3/18/2022	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

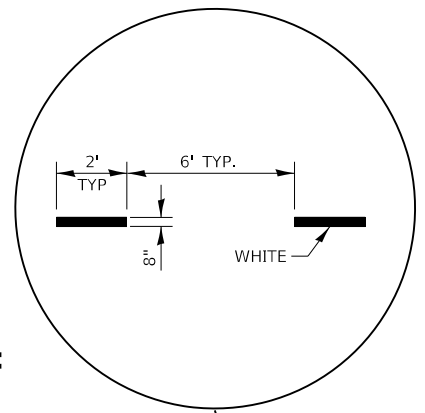


780-19



TYPICAL APPLICATION  
@ LEFT TURN LANES

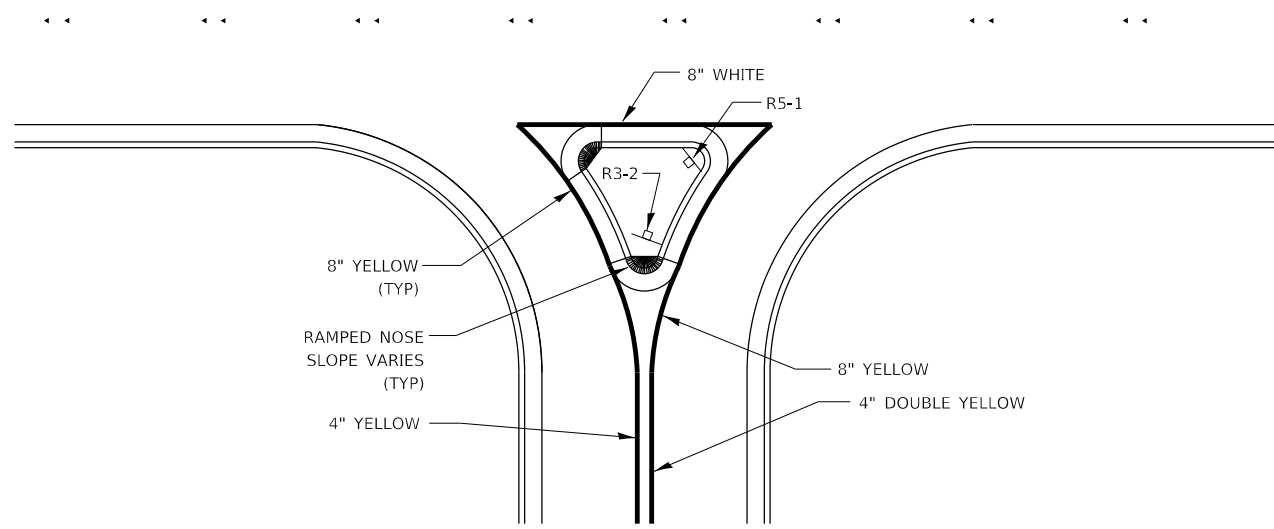
780-1



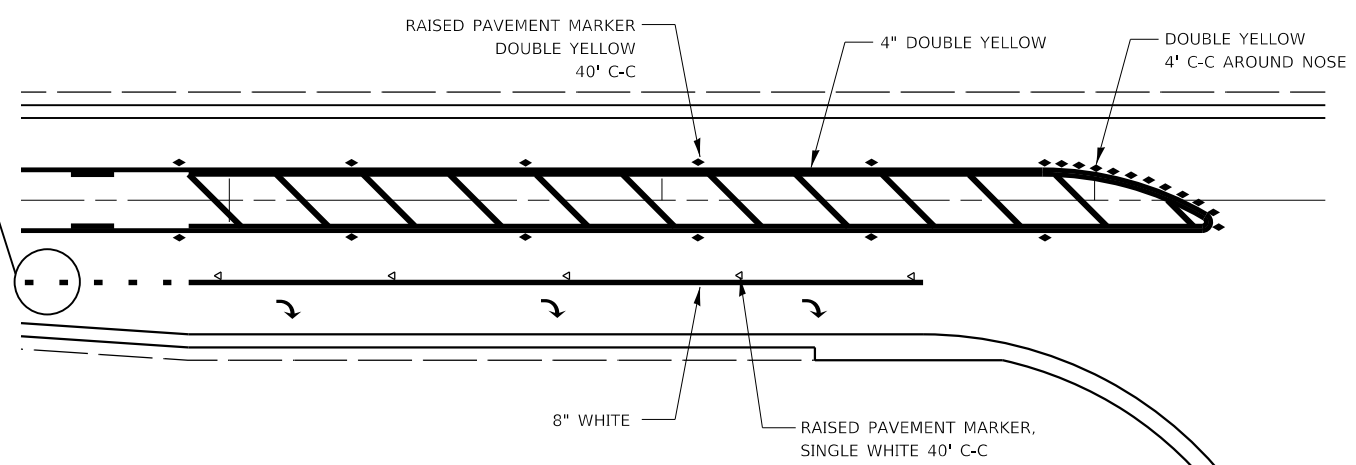
ADVANCE AND INTERSECTION LANE  
DIVIDER LINES

780-5

# URBAN PAVEMENT MARKING



RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING 780-16

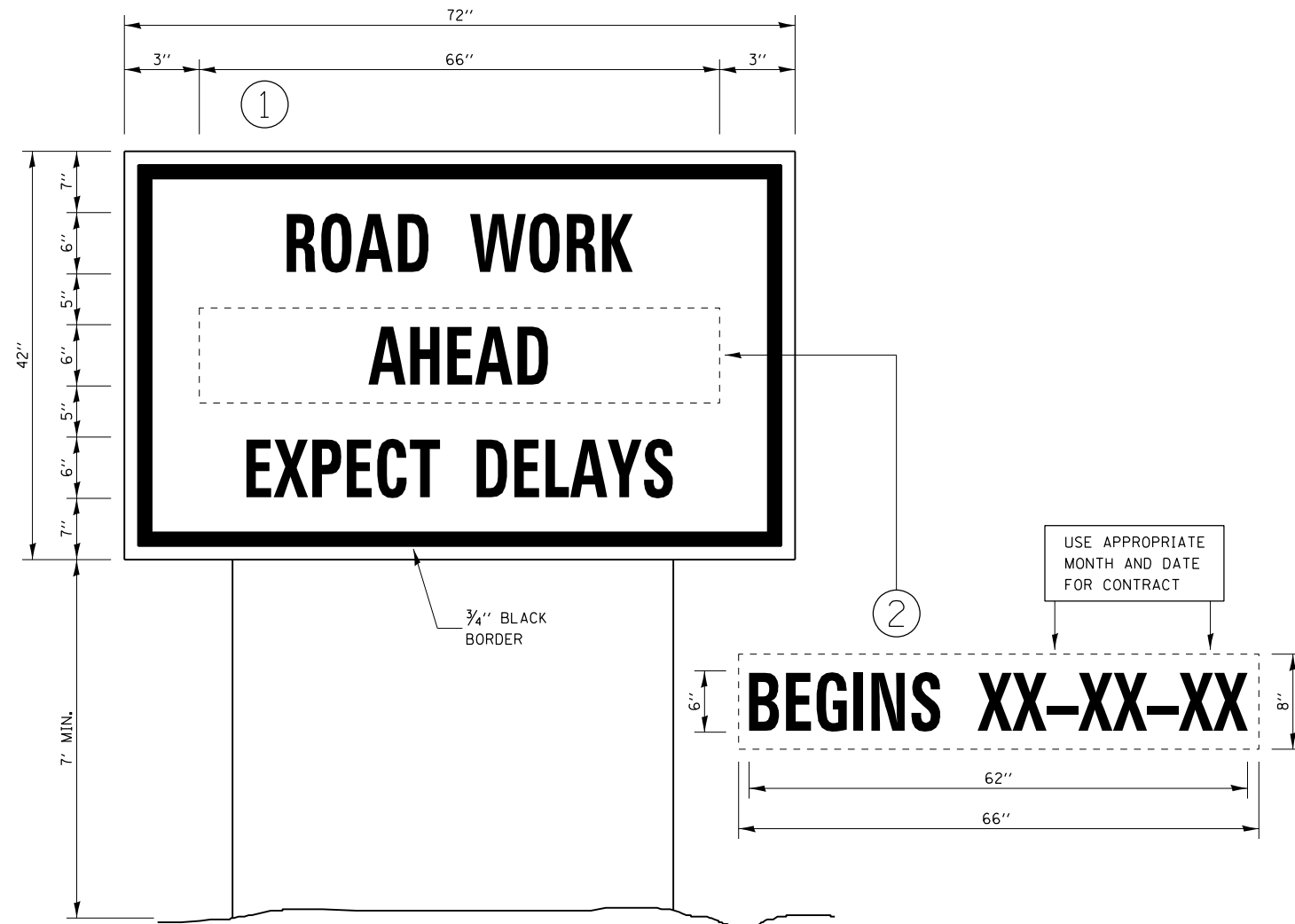


RAISED REFLECTIVE AND PAVEMENT MARKERS  
@ RIGHT TURN LANE

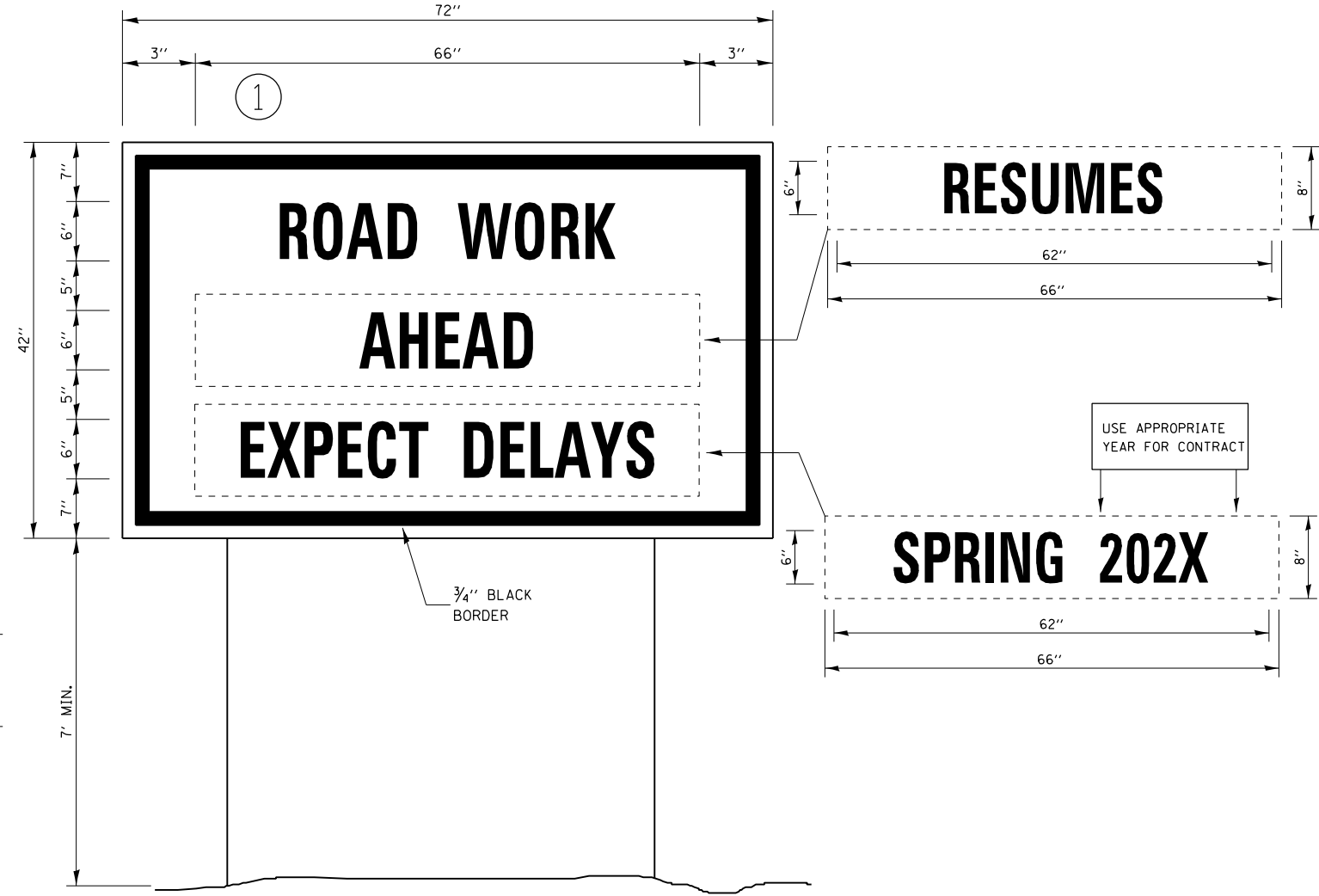
781-1

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw:\illdot-pw\benfey.com\PWDOT\Documents\IDOT Office\District 3\Projects\I366616\CADData\I366616-shl-details.dwg		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	68	(3)RS-5	LASALLE	41	40
Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -												
	PLOT DATE = 3/18/2022	DATE -	REVISED -												
											CONTRACT NO. 66616				
											ILLINOIS			FED. AID PROJECT	





**TEMPORARY INFORMATION SIGNING**



**WINTER SHUT DOWN SIGNING**

**NOTES:**

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

FILE NAME =	USER NAME = ZAGARJK	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\illdot\pw\benfey.com\PWIDOT\Documents\IDOT Office\District 3\Projects\3666619\CADData\3666616-shi-details.dgn		DRAWN -	REVISED -		68	(3)RS-5	LASALLE	41	41				
Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66616								
	PLOT DATE = 3/18/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT