

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-RS&SW	WILL	44	1
		ILLINOIS	CONTRACT NO. 62M43	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGES OF ROMEOVILLE, BOLINGBROOK, AND WOODRIDGE

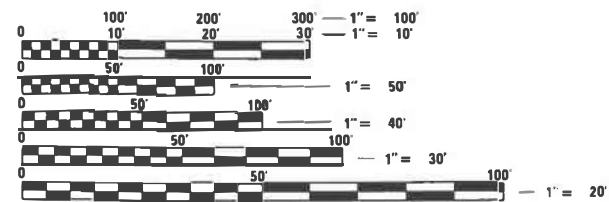
TRAFFIC DATA:

JOLIET ROAD:
2019 ADT- 29500 TO 30300 VPD
SPEED LIMIT- 45 MPH

I-55 OFF RAMP:
2021 ADT- 28100 VPD
SPEED LIMIT- 40 MPH

**PROPOSED
HIGHWAY PLANS**
ROUTE FAU 378: JOLIET ROAD
I-55 TO SHERMAN ROAD
SECTION 2020-155-RS&SW
PROJECT : STP-HSIP-YZBV(742)
DESIGNED OVERLAY, NEW SHOULDERS
WILL COUNTY
ROUTE FAI-55 (I-55)
I-55 NB OFF RAMP TO I-355 NB
DIAMOND GROOVING
WILL / DUPAGE COUNTY

C-91-373-20

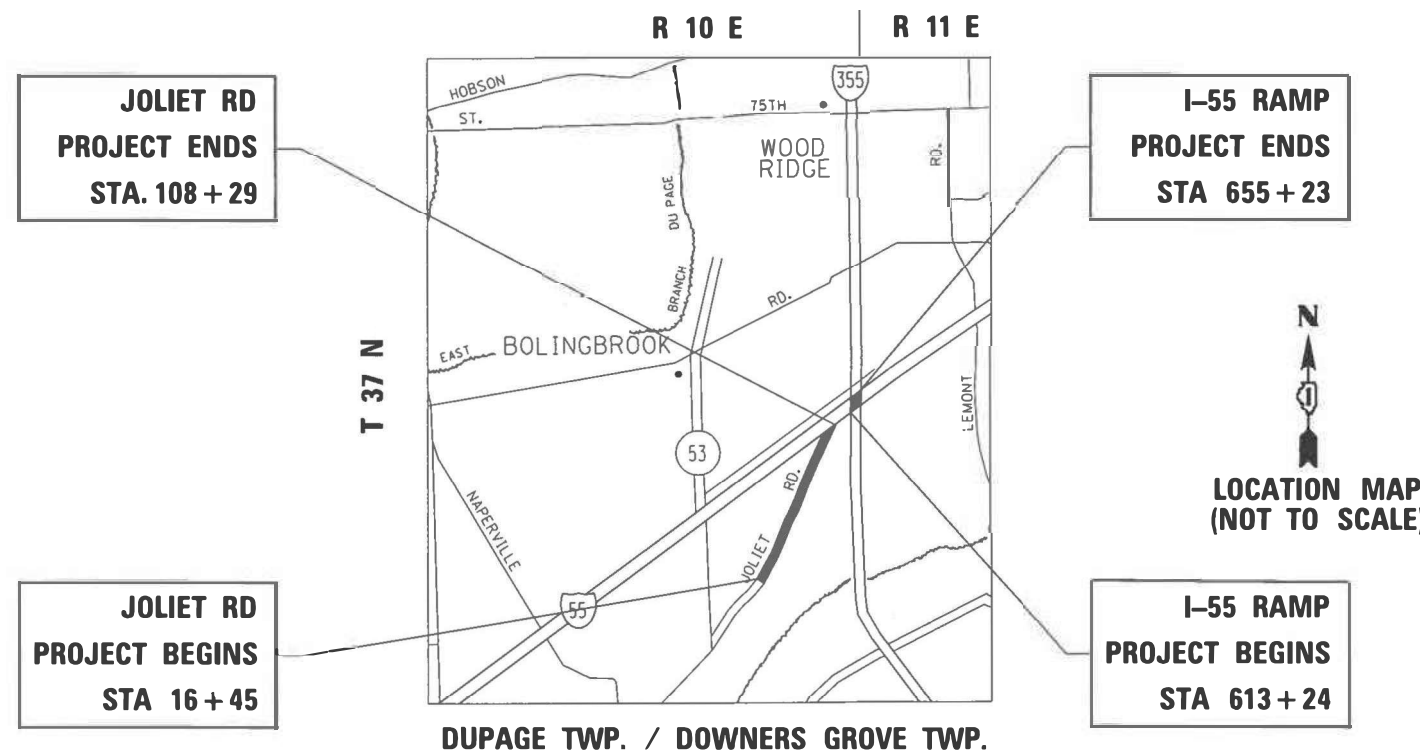


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL

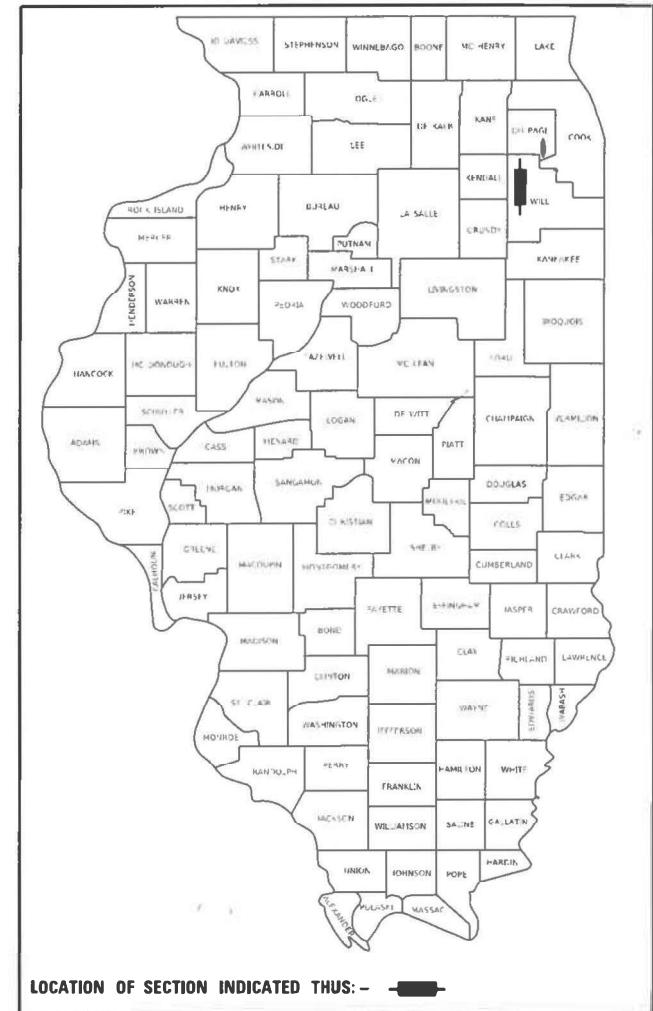
CONTRACT NO. 62M43



JOLIET RD: GROSS & NET LENGTH = 9,184 FT. = 1.74 MILE

I-55 RAMP: GROSS & NET LENGTH = 4,199 FT. = 0.80 MILE

D-91-574-20



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 6, 2022
Jose Rios
REGIONAL ENGINEER

December 9, 2022
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2022
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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STATE STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
442101-09	CLASS B PATCHES
442201-03	CLASS C & D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
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
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGES OF ROMEVILLE, BOLINGBROOK, AND WOODRIDGE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, DRAINAGE ADJUSTMENTS, AND CONCRETE BARRIER MEDIAN REPAIR LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV, AND EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT CARLOS.MUNOZ@ILLINOIS.GOV, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, AREA TRAFFIC FIELD ENGINEER AT ERIC.CAMPOS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

FILE NAME :	USER NAME : mohammed.beig	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOLIET RD (I-55 TO SHERMAN RD) INDEX OF SHEETS, STANDARDS AND GENERAL NOTES			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\illdot-pw.bentley.com\PI\DOT Documents\IDOT Offices\District 1\Projects\DI57420\CDR\Design\Joliet Rd-shr-gennote.dgn		CHECKED -	REVISED -					378	2020-155-RS&SW	WILL	44	2
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 62M43			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 10/21/2022				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

20. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
21. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
22. ALL CRACK ROUTING & CRACK SEALING LOCATIONS WILL BE DETERMINED IN THE FIELD BY ENGINEER. CRACK ROUTING SHALL BE OMITTED WHERE VEHICLE DETECTOR LOOPS & RAISED REFLECTIVE PAVEMENT MARKERS ARE PRESENT IN THE PAVEMENT.
23. MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE PLACED AFTER CRACK & JOINT SEALER OVER THE EXISTING PAVEMENT MARKING.
24. MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN PAVEMENT WITHOUT AGGREGATE SHOULDERS AND SURPLUS MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN PAVEMENTS WITH AGGREGATE SHOULDERS, WHERE ALL MATERIALS ARE NOT PLACED ALONG EXISTING AGGREGATE SHOULDERS, SHALL BE DISPOSED OF AS SPECIFIED IN ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS. OLD SEALANTS REMOVED PRIOR TO ROUTING SHALL BE DISPOSED OF AS SPECIFIED IN ARTICLE 202.03. THIS WORK WILL NOT BE PAID FOR SEPARATELY. BUT THE COST SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
25. CATCH BASINS, MANHOLES, INLETS, DRAINAGE STRUCTURES AND VALVE VAULTS ADJUSTMENTS AND/OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
26. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
27. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
28. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENT FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL LOCATIONS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
29. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.
30. ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES PASSES. ANY DEVIATION SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
31. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1".

I-55 NB OFF RAMP

32. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
33. THE CONTRACTOR SHALL CONTACT ILLINOIS STATE TOLL HIGHWAY AUTHORITY (ISTHA), OPERATIONS UNIT (ANDREW MCKISSACK, AMCKISSACK@GETIPASS.COM AND/ OR STEVEN MEDNIS, SMEDNIS@GETIPASS.COM) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON I-55 NB OFF RAMP TO I-355 (TOLLWAY).

FILE NAME :	USER NAME : mohammed.beig	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOLIET RD (I-55 TO SHERMAN RD)			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\idot-pw.bentley.com\PI\DOT Documents\DOT Offices\District 1\Projects\DI57420\CDR\Design\Joliet Rd-shr-gennote.dgn		CHECKED -	REVISED -		378	2020-155-RS&SW	WILL	44	3			
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 62M43			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 10/21/2022				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	HSIP 90% FED 10% STATE 0021 WILL	HSIP 90% FED 10% STATE 0021 DUPAGE	
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	5				
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	10	10				
20200100	EARTH EXCAVATION	CU YD	630	630				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	34	34				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	220	220				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	32	32				
25003312	INTERSEEDING, CLASS 4A	ACRE	2.75	2.75				
25200110	SODDING, SALT TOLERANT	SO YD	32	32				
25200200	SUPPLEMENTAL WATERING	UNIT	1	1				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	34	34				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	1555	1555				
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	4	4				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	23396	23396				
40600370	LONGITUDINAL JOINT SEALANT	FOOT	16107	16107				

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	80% FED 20% STATE ROADWAY 0005 URBAN		100% STATE ROADWAY 0005 URBAN	HSIP 90% FED 10% STATE 0021 WILL	HSIP 90% FED 10% STATE 0021 DUPAGE		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	47	47					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	351	351					
40602985	HOT-MIX ASPHALT BINDER COURSE, 1L-9.5, N70	TON	3280	3280					
40604060	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50	TON	429	429					
40604062	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70	TON	172	172					
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	2901	2901					
42001300	PROTECTIVE COAT	SO YD	733	733					
44000100	PAVEMENT REMOVAL	SO YD	10	10					
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	324	324					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	1532	1532					

* = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	HSIP 90% FED 10% STATE 0021 WILL	HSIP 90% FED 10% STATE 0021 DUPAGE	
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SO YD	29277	29277				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	92	92				
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	36984	36984				
44004250	PAVED SHOULDER REMOVAL	SO YD	1391	1391				
44200050	WELDED WIRE REINFORCEMENT	SO YD	497	497				
44200982	CLASS B PATCHES, TYPE II, 11 INCH	SO YD	167	167				
44200986	CLASS B PATCHES, TYPE III, 11 INCH	SO YD	198	198				
44200988	CLASS B PATCHES, TYPE IV, 11 INCH	SO YD	299	299				
44201299	DOWEL BARS 1 1/2"	EACH	660	660				
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SO YD	81	81				
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	100	100				
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	100	100				
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	650	650				
44213200	SAW CUTS	FOOT	2184	2184				
44213202	TIE BARS 1"	EACH	58	58				

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
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45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	45406	45406					
45200300	JOINT OR CRACK FILLING	POUND	12972	12972					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	264	264					
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	2580	2580					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	3					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	2					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	70	70					
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1					
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	150	150					
63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	2	2					

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CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	HSIP 90% FED 10% STATE 0021 WILL	HSIP 90% FED 10% STATE 0021 DUPAGE	
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	2	2				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	95	95				
* 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	15	15				
67100100	MOBILIZATION	L SUM	1	0.8		0.1	0.1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1				

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	80% FED 20% STATE ROADWAY 0005 URBAN		100% STATE ROADWAY 0005 URBAN	HSIP 90% FED 10% STATE 0021 WILL	HSIP 90% FED 10% STATE 0021 DUPAGE		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10					
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	35	30		3	2		
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1			0.5	0.5		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3806	3806					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	635	635					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	396	396					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	14634	14634					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	1680	1680					
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	381	381					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	656	656					

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SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					TOTAL QUANTITIES	SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	HSIP 90% FED 10% STATE 0021 WILL	HSIP 90% FED 10% STATE 0021 DUPAGE	CODE NO		ITEM	UNIT	80% FED 20% STATE ROADWAY 0005 URBAN		100% STATE ROADWAY 0005 URBAN	HSIP 90% FED 10% STATE 0021 WILL	HSIP 90% FED 10% STATE 0021 DUPAGE		
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	363	363				* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	19660	19660						
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	1903	1903				* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2988	2988						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	396	396				* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1140	1140						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14634	14634				* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	245	245						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1680	1680				* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	227	227						
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	381	381				* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	2267	2267						
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	656	656				* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	405	405						
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	363	363				78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	405	405						
* 78003137	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7"	FOOT	2267	2267				78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	634	634						
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	656	656				* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1						

* = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	HSIP 90% FED 10% STATE 0021 WILL	HSIP 90% FED 10% STATE 0021 DUPAGE	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	647	647				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1353	1353				
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1	1				
X0327120	WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT	ACRE	2.75	2.75				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	66	66				
X2503321	INTERSEEDING, CLASS 5 (MODIFIED)	ACRE	2.75	2.75				
X4060995	TEMPORARY RAMP, SPECIAL	SO YD	116	116				
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	80	80				
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	200	200				
X4405030	LONGITUDINAL PARTIAL DEPTH REMOVAL 3"	FOOT	250	250				
X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	14	14				
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1271		1271			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	23	23				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	HSIP 90% FED 10% STATE 0021 WILL	HSIP 90% FED 10% STATE 0021 DUPAGE	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	11		0.5	0.5	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1				
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	10	10				
* X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	150	150				
* X8850102	INDUCTION LOOP	FOOT	150	150				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	53		53			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	340	180		80	80	
Z0037300	PAVEMENT GROOVING	SO YD	9107			5464	3643	
∅ Z0076600	TRAINEES	HOURS	500	500				
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500				

∅ 0042
 * = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

FILE NAME =	USER NAME = mohammed.dalg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOLIET ROAD (I-55 TO SHERMAN RD) SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\N\dot-pw\benley.com\PW\DOT\Documents\DOT - Office\District\Projects\DIST420\CAD\Drawn\Design\Joliet Rd-sh-300	DRAWN -	REVISED -	378			2020-155-RS&SW	WILL	44	8	
PLOT SCALE = 100,0000' / 1in	CHECKED -	REVISED -	CONTRACT NO. 62M43							
PLOT DATE = 10/21/2022	DATE -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

SLOTTED DRAINS TO BE CLEANED (PAID AS DRAINAGE STRUCTURES TO BE CLEANED)

CODE NUMBER	LOCATION	QUANTITY	UNIT
Z0018500	START OF NB RAMPS	263	FOOT
Z0018500	END OF NB RAMP TO I-55	363	FOOT
Z0018500	END OF NB RAMP TO I-355	145	FOOT
	TOTAL	771	FOOT

PAY ITEMS FOR UNDERCUTS FOR CLASS B AND D PATCHING

CODE NUMBER	ITEM	QUANTITY	UNIT
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	34	CU YD
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	220	SQ YD
30300001	AGGREGATE SUBGRADE IMPROVEMENT	34	CU YD

PAY ITEMS TO BE USED AT RE'S DISCRETION

QUANTITIES NOT NEEDED AT THE TIME OF CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT WITH NO ADDITIONAL COMPENSATION TO THE CONTRACTOR.

CODE NUMBER	ITEM	QUANTITY	UNIT
60252800	CATCH BASINS TO BE RECONSTRUCTED	3	EACH
21001000	FRAMES AND LIDS, TYPE 1, OPEN LID	5	EACH
30300001	FRAMES AND LIDS, TYPE 1, CLOSED LID	5	EACH

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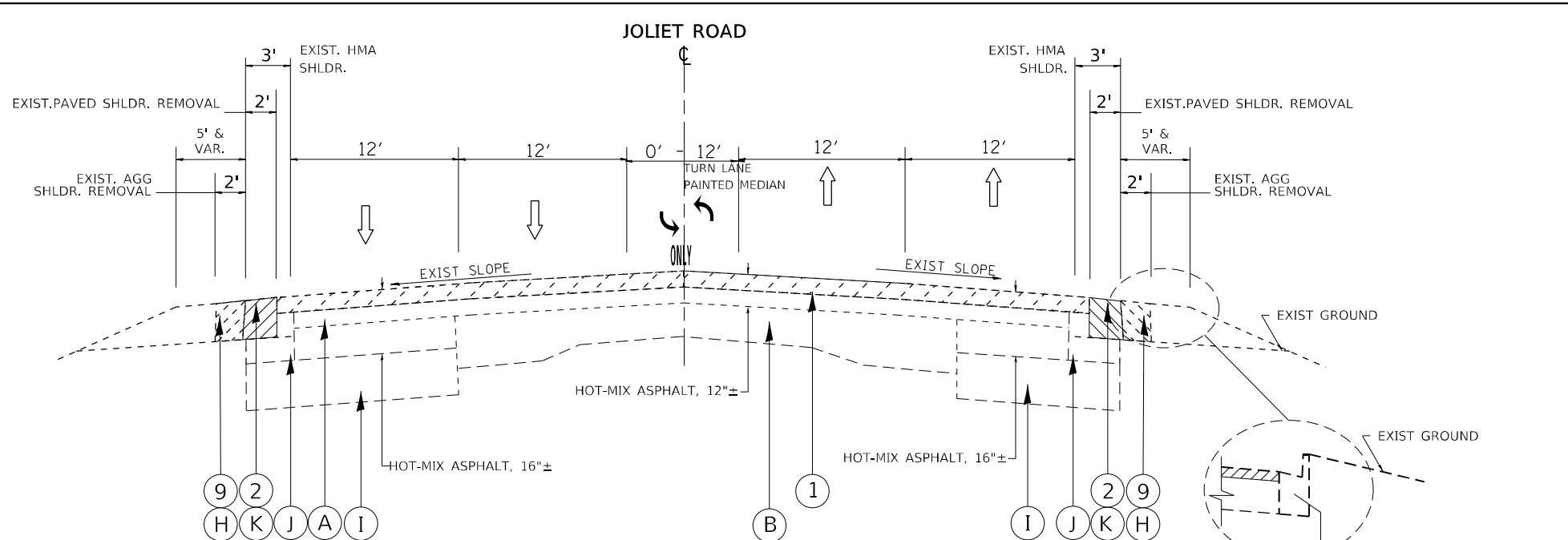
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PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOLIET ROAD (I-55 TO SHERMAN RD)
SCHEDULE OF QUANTITIES**

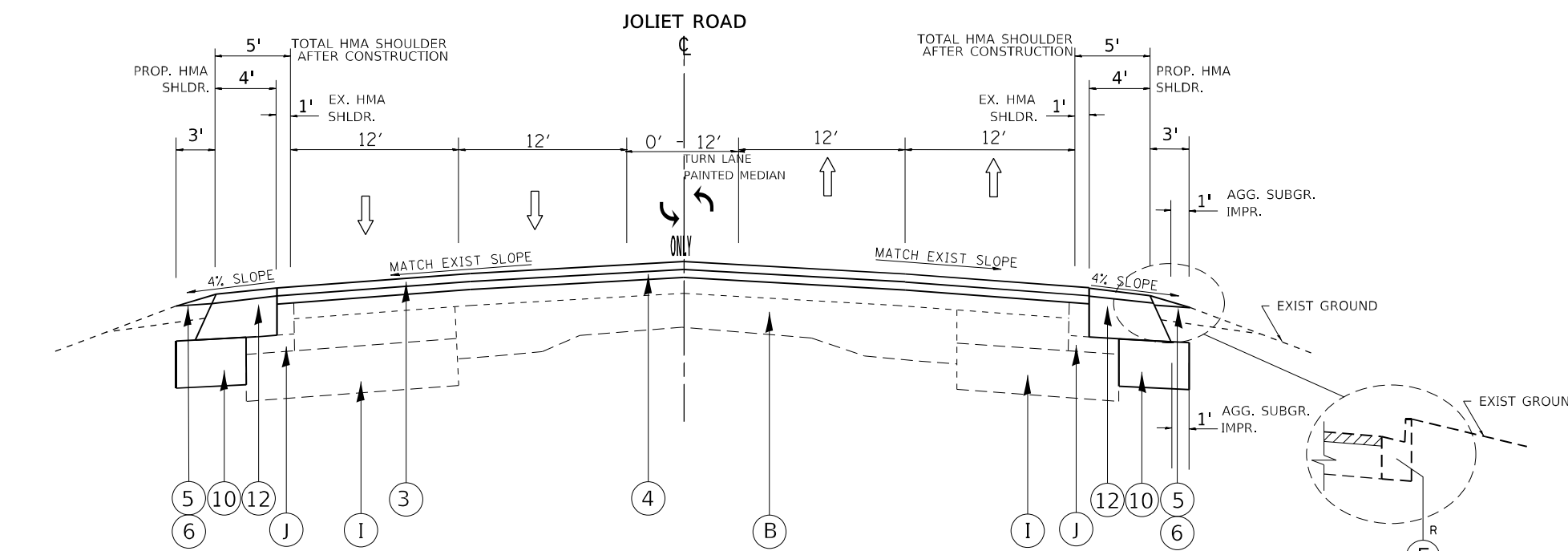
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M43	



EXISTING TYPICAL SECTION
STA. 16+45 TO 46+00

LEGEND:
 * RIGHT TURN LANE
 STA. 22+48 TO STA 25+43
 * LEFT TURN LANE
 STA. 22+48 TO STA. 27+16
 STA. 36+18 TO STA. 39+64
 STA. 40+47 TO STA. 44+10



PROPOSED TYPICAL SECTION
STA. 16+45 TO 46+00

- LEGEND:**
- (A) EXIST. HOT-MIX ASPHALT, 8-1/4"± (AFTER MILLING)
 - (B) EXIST. P.C.C. PAVEMENT, 9"-11"
 - (C) EXIST. P.C.C. PAVEMENT, 10-1/2"
 - (D) EXIST. CORRUGATED MEDIAN
 - (E) EXIST. HMA SURFACE MEDIAN
 - (F) EXIST. COMB. CONC. CURB AND GUTTER
 - (G) EXIST. COMB. CONC. CURB AND GUTTER, TYPE M-2.12
 - (H) EXIST. AGGREGATE SHOULDER 8"
 - (I) EXISTING AGGREGATE SUBGRADE 12"
 - (J) EXISTING AGGREGATE SUBGRADE 6"
 - (K) EXIST. HMA SHOULDER, 6-3/4"-14"
 - (L) EXIST. AGGREGATE SHOULDER
 - (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"
 - (2) PROP. PAVED SHOULDER REMOVAL
 - (3) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1-3/4"
 - (4) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
 - (5) PROP. GRADING AND SHAPING SHOULDERS
 - (6) PROP. AGGREGATE WEDGE SHOULDER, TYPE B
 - (7) PROP. MEDIAN SURFACE REMOVAL, 2" (PAID AS MEDIAN REMOVAL PARTIAL DEPTH)
 - (8) PROP. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
 - (9) PROP. AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)
 - (10) PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (11) PROP. MEDIAN REMOVAL PARTIAL DEPTH
 - (12) PROP. HOT-MIX ASPHALT SHOULDER 8"
 - (13) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
 - (14) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - (15) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1-3/4"
 - (16) PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
 - (17) PROP. COMB. CURB AND GUTTER REMOVAL
 - (18) PROP. PAVEMENT REMOVAL
 - (19) PROP. CLASS D PATCHES, 4"
 - (20) PROP. SUBBASE GRANULAR MATERIAL, TYPE B
 - R CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes		
PAVEMENT RESURFACING			
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1-3/4"	3.5% AT 80 GYR		QCP
HMA BINDER COURSE, IL-9.5, N70, 2"	4% AT 70 GYR		QCP
HOT-MIX ASPHALT SHOULDERS, 8"			
HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"	4% AT 70 GYR		QC/QA
HMA BINDER COURSE, IL-19.0, N70, 6-1/4"	4% AT 70 GYR		QC/QA
RESURFACING HOT MIX ASPHALT RAMP SHOULDER			
HMA SURFACE COURSE, MIX"D", IL-9.5, N70, 2"	4% AT 70 GYR		QC/QA
HOT-MIX ASPHALT MEDIAN SURFACE REPAIR:			
HOT-MIX ASPHALT SURFACE COURSE, MIX"D", N50, 2"	4% AT 50 GYR		QC/QA
PATCHING			
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR		QC/QA
TEMPORARY RAMP, SPECIAL:			
HMA BINDER COURSE, IL-9.5, N70	4% AT 70 GYR		QC/QA
LONGITUDINAL PARTIAL DEPTH PATCHING			
HMA SURFACE COURSE, MIX"D", IL-9.5, N70, 3"	4% AT 70 GYR		QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)			

NOTES:
 (1) THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING, SEE BD-22 FOR DETAILS
 (2) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HMA BC IL-9.5, N70

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
 NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA, THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS

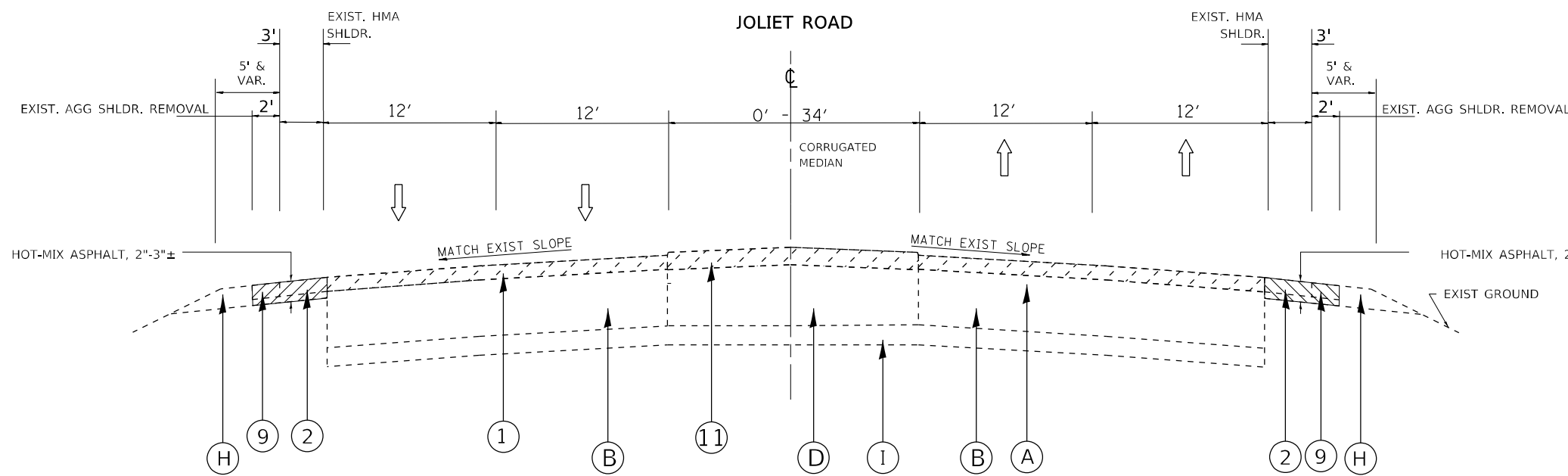
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOLIET ROAD (I-55 TO SHERMAN RD.)
TYPICAL SECTIONS
 SCALE: SHEET OF SHEETS STA. TO STA.

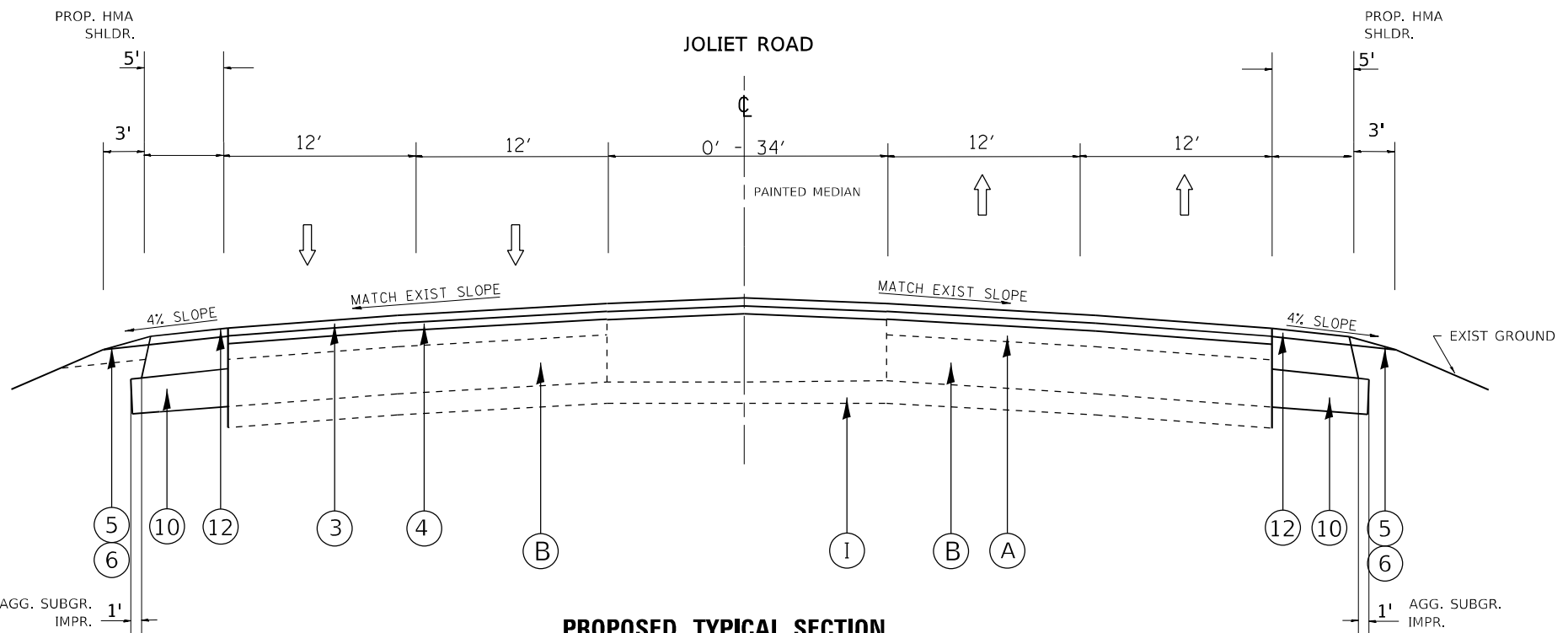
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	10
CONTRACT NO. 62M43				
ILLINOIS FED. AID PROJECT				

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EXISTING TYPICAL SECTION
STA. 46+00 TO 52+00

LEGEND:
* CORRUGATED MEDIAN
STA. 50+91 TO STA 52+00



PROPOSED TYPICAL SECTION
STA. 46+00 TO 52+00

LEGEND:

- (A) EXIST. HOT-MIX ASPHALT, 8-1/4"± (AFTER MILLING)
- (B) EXIST. P.C.C. PAVEMENT, 9"-11"
- (C) EXIST. P.C.C. PAVEMENT, 10-1/2"
- (D) EXIST. CORRUGATED MEDIAN
- (E) EXIST. HMA SURFACE MEDIAN
- (F) EXIST. COMB. CONC. CURB AND GUTTER
- (G) EXIST. COMB. CONC. CURB AND GUTTER, TYPE M-2.12
- (H) EXIST. AGGREGATE SHOULDER 8"
- (I) EXISTING AGGREGATE SUBGRADE 12"
- (J) EXISTING AGGREGATE SUBGRADE 6"
- (K) EXIST. HMA SHOULDER, 6-3/4"-14"
- (L) EXIST. AGGREGATE SHOULDER
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"
- (2) PROP. PAVED SHOULDER REMOVAL
- (3) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1-3/4"
- (4) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- (5) PROP. GRADING AND SHAPING SHOULDERS
- (6) PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- (7) PROP. MEDIAN SURFACE REMOVAL, 2" (PAID AS MEDIAN REMOVAL PARTIAL DEPTH)
- (8) PROP. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (9) PROP. AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)
- (10) PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (11) PROP. MEDIAN REMOVAL PARTIAL DEPTH
- (12) PROP. HOT-MIX ASPHALT SHOULDER 8"
- (13) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
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- (15) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1-3/4"
- (16) PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- (17) PROP. COMB. CURB AND GUTTER REMOVAL
- (18) PROP. PAVEMENT REMOVAL
- (19) PROP. CLASS D PATCHES, 4"
- (20) PROP. SUBBASE GRANULAR MATERIAL, TYPE B
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

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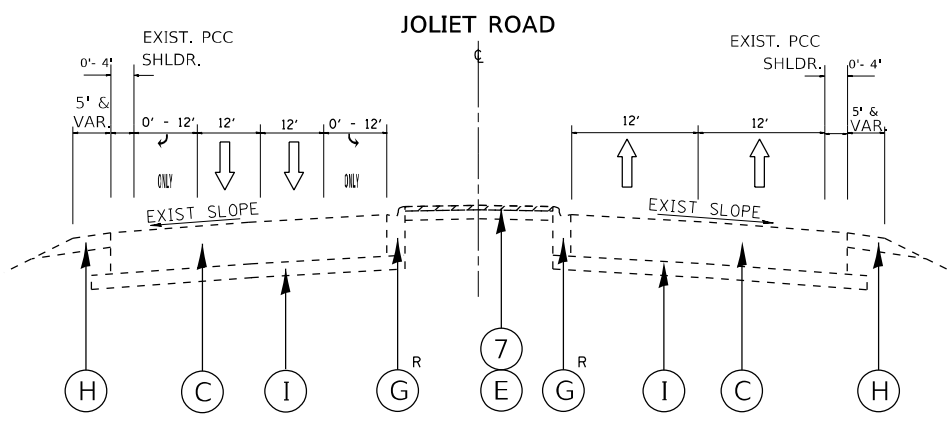
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

JOLIET ROAD (I-55 TO SHERMAN RD.)	
TYPICAL SECTIONS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M43	

LEGEND:

- (A) EXIST. HOT-MIX ASPHALT, 8-1/4"± (AFTER MILLING)
 - (B) EXIST. P.C.C. PAVEMENT, 9"-11"
 - (C) EXIST. P.C.C. PAVEMENT, 10-1/2"
 - (D) EXIST. CORRUGATED MEDIAN
 - (E) EXIST. HMA SURFACE MEDIAN
 - (F) EXIST. COMB. CONC. CURB AND GUTTER
 - (G) EXIST. COMB. CONC. CURB AND GUTTER, TYPE M-2.12
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 - (L) EXIST. AGGREGATE SHOULDER
 - (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"
 - (2) PROP. PAVED SHOULDER REMOVAL
 - (3) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1-3/4"
 - (4) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
 - (5) PROP. GRADING AND SHAPING SHOULDERS
 - (6) PROP. AGGREGATE WEDGE SHOULDER, TYPE B
 - (7) PROP. MEDIAN SURFACE REMOVAL, 2" (PAID AS MEDIAN REMOVAL PARTIAL DEPTH)
 - (8) PROP. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
 - (9) PROP. AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)
 - (10) PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (11) PROP. MEDIAN REMOVAL PARTIAL DEPTH
 - (12) PROP. HOT-MIX ASPHALT SHOULDER 8"
 - (13) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
 - (14) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - (15) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1-3/4"
 - (16) PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
 - (17) PROP. COMB. CURB AND GUTTER REMOVAL
 - (18) PROP. PAVEMENT REMOVAL
 - (19) PROP. CLASS D PATCHES, 4"
 - (20) PROP. SUBBASE GRANULAR MATERIAL, TYPE B
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

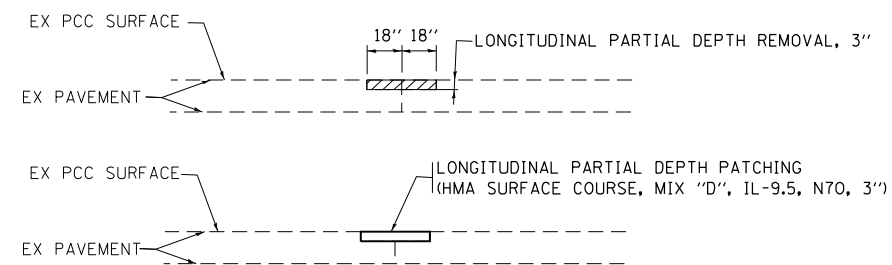


EXISTING TYPICAL SECTION
STA. 52+00 TO 56+04

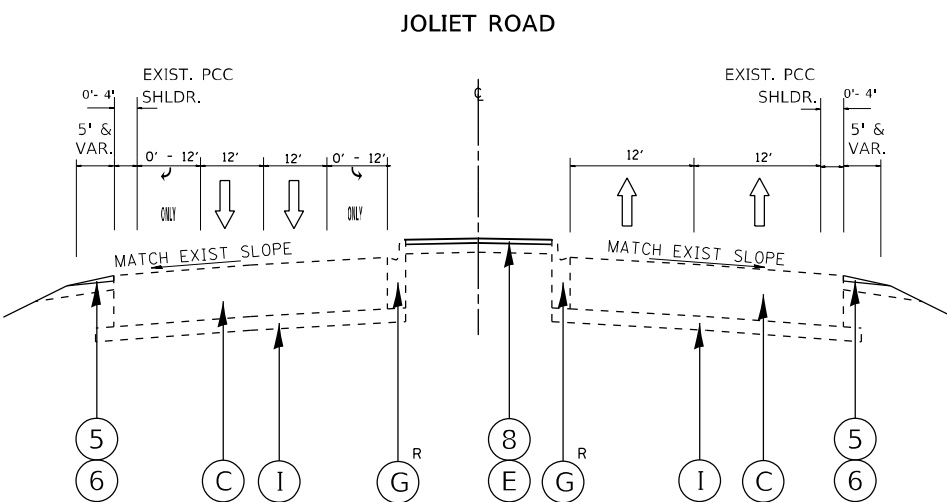
LEGEND:

- * RIGHT TURN LANE
STA. 52+96 TO STA. 56+04
- * LEFT TURN LANE
STA. 52+00 TO STA. 56+04

**** EXISTING PCC SECTION:
CLASS B PATCHING +
CRACK & JOINT SEALING ONLY**



**DETAIL
LONGITUDINAL JOINT REPAIR (TYP)**
STA. 56+00 TO 57+84
(LOCATIONS TO BE DETERMINED BY RESIDENT ENGINEER)



PROPOSED TYPICAL SECTION
STA. 52+00 TO 56+04

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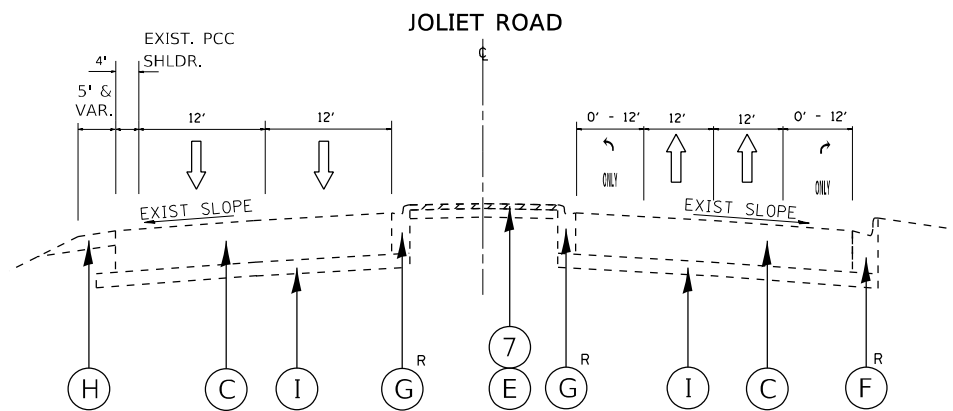
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PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOLIET ROAD (I-55 TO SHERMAN RD.)
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	12
			CONTRACT NO. 62M43	
ILLINOIS FED. AID PROJECT				

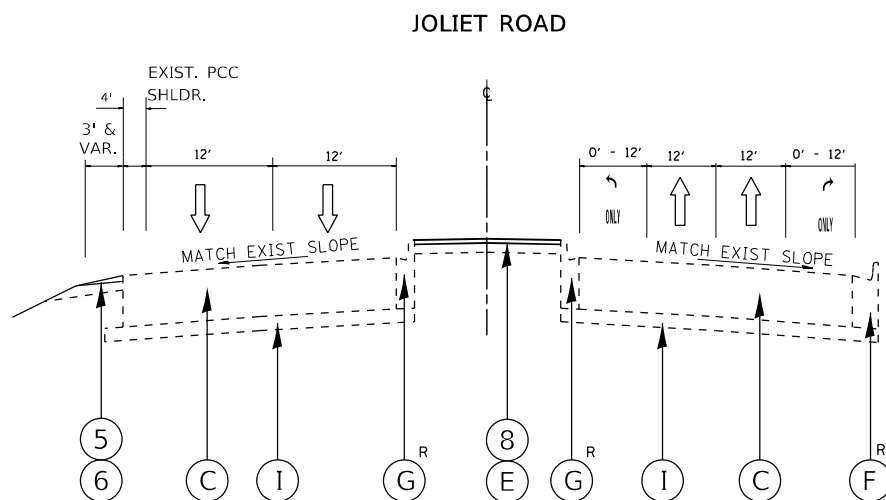


LEGEND:

- * RIGHT TURN LANE
STA. 57+83 TO STA. 62+84
- * LEFT TURN LANE
STA. 57+83 TO STA. 63+10

EXISTING TYPICAL SECTION
STA. 57+69 TO 63+22

**** EXISTING PCC SECTION:
CLASS B PATCHING +
CRACK & JOINT SEALING ONLY**



PROPOSED TYPICAL SECTION
STA. 57+69 TO 63+22

LEGEND:

- (A) EXIST. HOT-MIX ASPHALT, 8-1/4"± (AFTER MILLING)
- (B) EXIST. P.C.C. PAVEMENT, 9"-11"
- (C) EXIST. P.C.C. PAVEMENT, 10-1/2"
- (D) EXIST. CORRUGATED MEDIAN
- (E) EXIST. HMA SURFACE MEDIAN
- (F) EXIST. COMB. CONC. CURB AND GUTTER
- (G) EXIST. COMB. CONC. CURB AND GUTTER, TYPE M-2.12
- (H) EXIST. AGGREGATE SHOULDER 8"
- (I) EXISTING AGGREGATE SUBGRADE 12"
- (J) EXISTING AGGREGATE SUBGRADE 6"
- (K) EXIST. HMA SHOULDER, 6-3/4"-14"
- (L) EXIST. AGGREGATE SHOULDER
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"
- (2) PROP. PAVED SHOULDER REMOVAL
- (3) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1-3/4"
- (4) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- (5) PROP. GRADING AND SHAPING SHOULDERS
- (6) PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- (7) PROP. MEDIAN SURFACE REMOVAL, 2" (PAID AS MEDIAN REMOVAL PARTIAL DEPTH)
- (8) PROP. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (9) PROP. AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)
- (10) PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (11) PROP. MEDIAN REMOVAL PARTIAL DEPTH
- (12) PROP. HOT-MIX ASPHALT SHOULDER 8"
- (13) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
- (14) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (15) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1-3/4"
- (16) PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- (17) PROP. COMB. CURB AND GUTTER REMOVAL
- (18) PROP. PAVEMENT REMOVAL
- (19) PROP. CLASS D PATCHES, 4"
- (20) PROP. SUBBASE GRANULAR MATERIAL, TYPE B
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

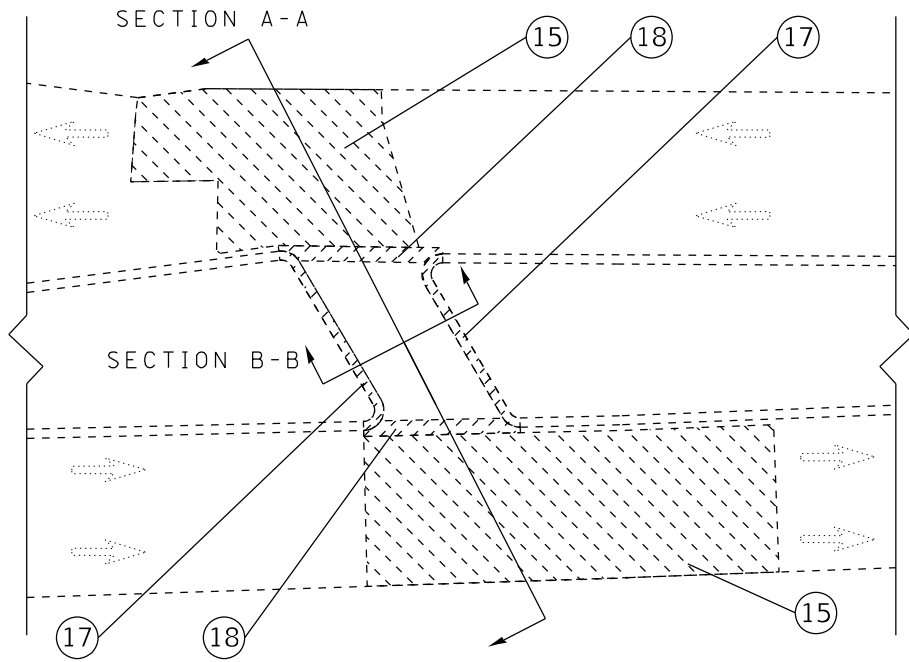
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOLIET ROAD (I-55 TO SHERMAN RD.)
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

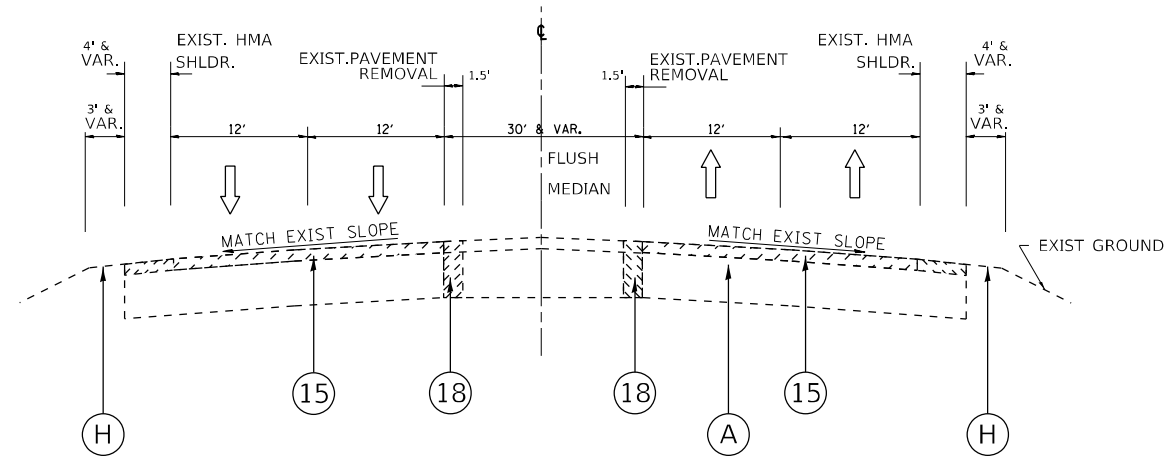
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	13
			CONTRACT NO. 62M43	
		ILLINOIS FED. AID PROJECT		

JOLIET ROAD



EXISTING PLAN VIEW
STA. 62+82 TO 63+93

JOLIET ROAD

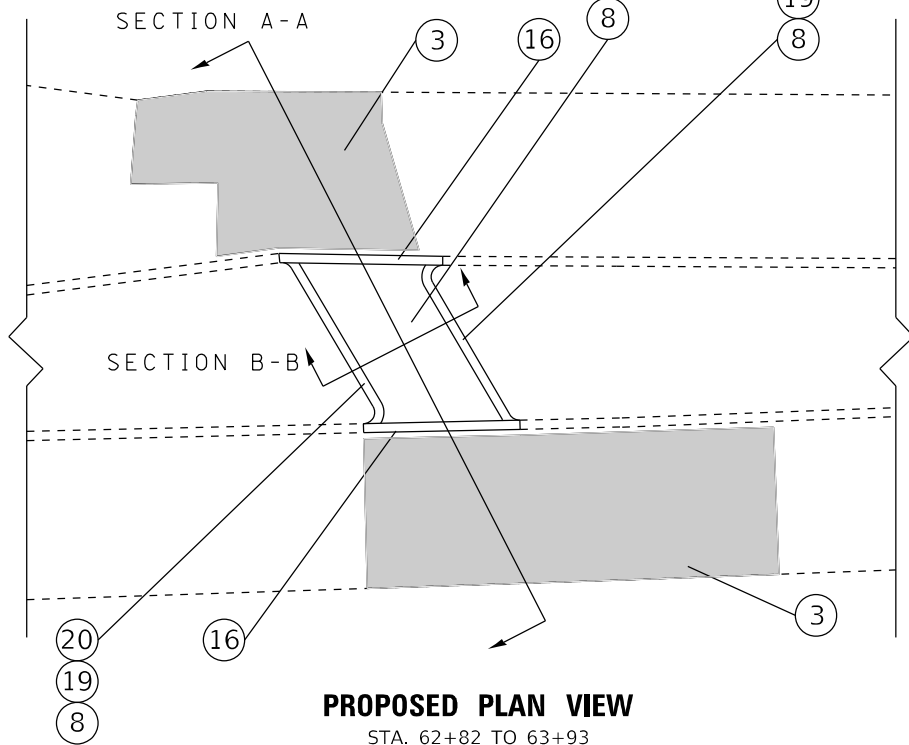


EXISTING SECTION A-A

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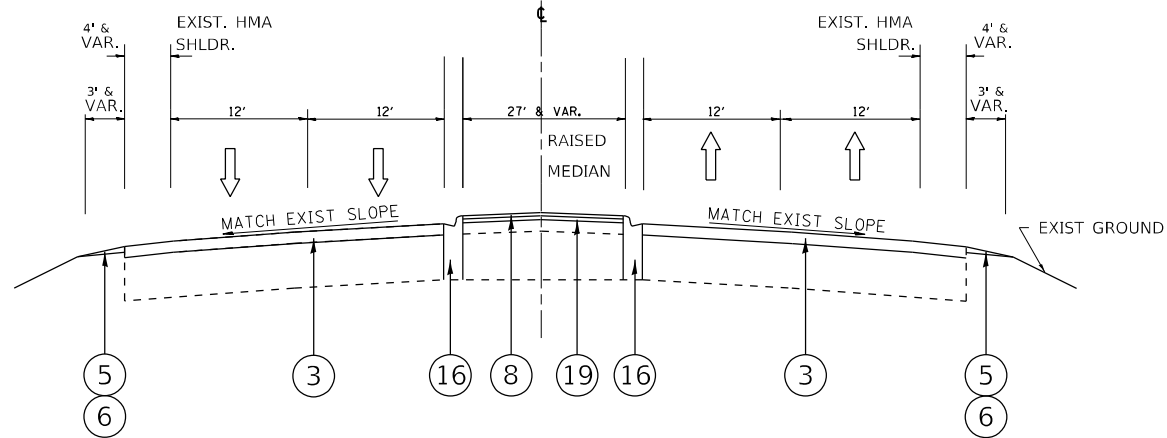
- (A) EXIST. HOT-MIX ASPHALT, 8-1/4"± (AFTER MILLING)
- (B) EXIST. P.C.C. PAVEMENT, 9"-11"
- (C) EXIST. P.C.C. PAVEMENT, 10-1/2"
- (D) EXIST. CORRUGATED MEDIAN
- (E) EXIST. HMA SURFACE MEDIAN
- (F) EXIST. COMB. CONC. CURB AND GUTTER
- (G) EXIST. COMB. CONC. CURB AND GUTTER, TYPE M-2.12
- (H) EXIST. AGGREGATE SHOULDER 8"
- (I) EXISTING AGGREGATE SUBGRADE 12"
- (J) EXISTING AGGREGATE SUBGRADE 6"
- (K) EXIST. HMA SHOULDER, 6-3/4"-14"
- (L) EXIST. AGGREGATE SHOULDER
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"
- ② PROP. PAVED SHOULDER REMOVAL
- ③ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1-3/4"
- ④ PROP. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- ⑤ PROP. GRADING AND SHAPING SHOULDERS
- ⑥ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑦ PROP. MEDIAN SURFACE REMOVAL, 2" (PAID AS MEDIAN REMOVAL PARTIAL DEPTH)
- ⑧ PROP. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- ⑨ PROP. AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)
- ⑩ PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑪ PROP. MEDIAN REMOVAL PARTIAL DEPTH
- ⑫ PROP. HOT-MIX ASPHALT SHOULDER 8"
- ⑬ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
- ⑭ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑮ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1-3/4"
- ⑯ PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ⑰ PROP. COMB. CURB AND GUTTER REMOVAL
- ⑱ PROP. PAVEMENT REMOVAL
- ⑲ PROP. CLASS D PATCHES, 4"
- ⑳ PROP. SUBBASE GRANULAR MATERIAL, TYPE B
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

JOLIET ROAD

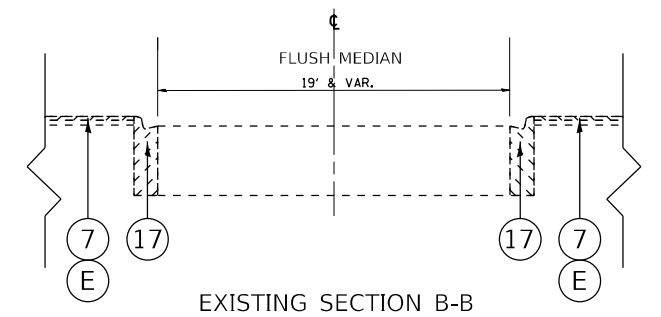


PROPOSED PLAN VIEW
STA. 62+82 TO 63+93

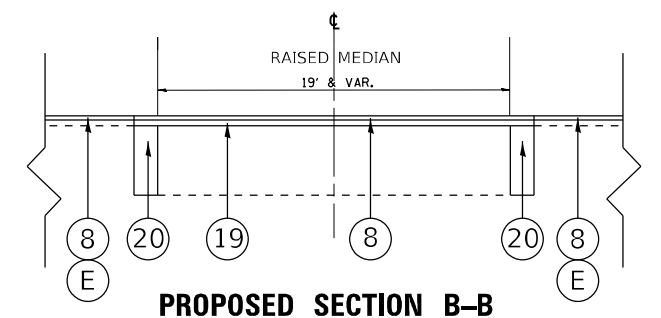
JOLIET ROAD



PROPOSED SECTION A-A



EXISTING SECTION B-B



PROPOSED SECTION B-B

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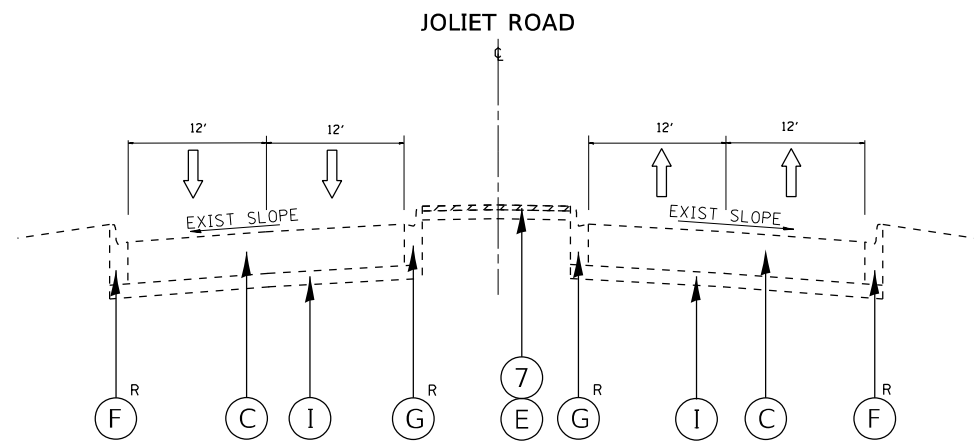
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DRAWN -	REVISOR -	
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PLOT DATE = 10/21/2022	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOLIET ROAD (I-55 TO SHERMAN RD.)
MEDIAN IMPROVEMENT AT RAILROAD

SCALE: SHEET OF SHEETS STA. TO STA.

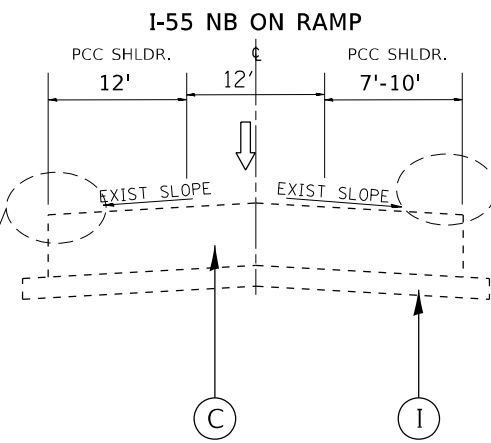
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	14
CONTRACT NO. 62M43				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION

STA. 64+84 TO 89+22

** EXISTING PCC SECTION:
CLASS B PATCHING +
CRACK & JOINT SEALING ONLY



EXISTING TYPICAL SECTION

STA. 89+22 TO 108+29

** EXISTING PCC SECTION:
CLASS B PATCHING +
CRACK & JOINT SEALING ONLY

PCC SHOULDER WITH CONCRETE BARRIER WALL
STA 94+08 TO STA 102+49

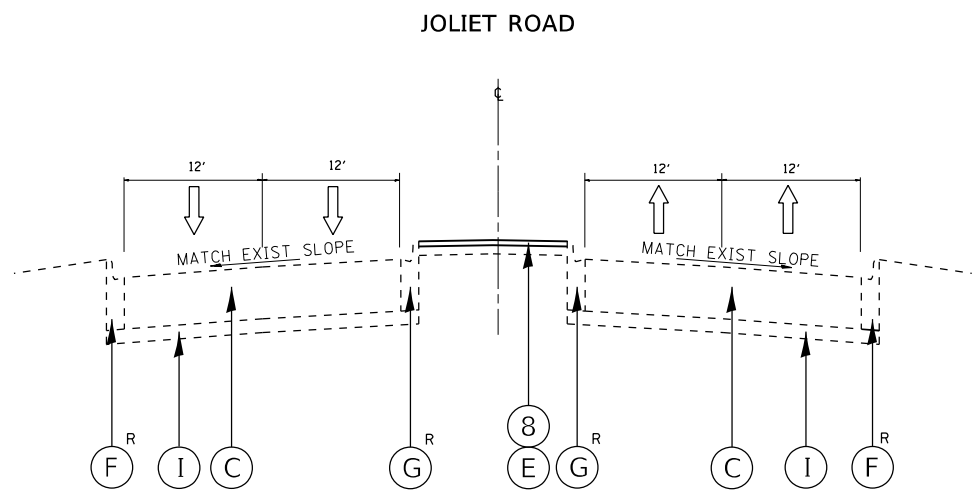
PCC SHOULDER WITH CONCRETE BARRIER WALL
STA 91+22 TO STA 104+42

LEGEND:

- * RIGHT TURN LANE
STA. 81+75 TO STA.85+04
- * RIGHT TURN LANE
STA. 85+91 TO STA.91+58
- * LEFT TURN LANE
STA. 72+39 TO STA. 76+33
- * LEFT TURN LANE
STA. 83+50 TO STA. 85+04
- * LEFT TURN LANE
STA. 86+51 TO STA. 89+98

LEGEND:

- (A) EXIST. HOT-MIX ASPHALT, 8-1/4"± (AFTER MILLING)
- (B) EXIST. P.C.C. PAVEMENT, 9"-11"
- (C) EXIST. P.C.C. PAVEMENT, 10-1/2"
- (D) EXIST. CORRUGATED MEDIAN
- (E) EXIST. HMA SURFACE MEDIAN
- (F) EXIST. COMB. CONC. CURB AND GUTTER
- (G) EXIST. COMB. CONC. CURB AND GUTTER, TYPE M-2.12
- (H) EXIST. AGGREGATE SHOULDER 8"
- (I) EXISTING AGGREGATE SUBGRADE 12"
- (J) EXISTING AGGREGATE SUBGRADE 6"
- (K) EXIST. HMA SHOULDER, 6-3/4"-14"
- (L) EXIST. AGGREGATE SHOULDER
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"
- (2) PROP. PAVED SHOULDER REMOVAL
- (3) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1-3/4"
- (4) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- (5) PROP. GRADING AND SHAPING SHOULDERS
- (6) PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- (7) PROP. MEDIAN SURFACE REMOVAL, 2" (PAID AS MEDIAN REMOVAL PARTIAL DEPTH)
- (8) PROP. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (9) PROP. AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)
- (10) PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (11) PROP. MEDIAN REMOVAL PARTIAL DEPTH
- (12) PROP. HOT-MIX ASPHALT SHOULDER 8"
- (13) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX"D", IL-9.5, N70, 2"
- (14) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (15) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1-3/4"
- (16) PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- (17) PROP. COMB. CURB AND GUTTER REMOVAL
- (18) PROP. PAVEMENT REMOVAL
- (19) PROP. CLASS D PATCHES, 4"
- (20) PROP. SUBBASE GRANULAR MATERIAL, TYPE B
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)



PROPOSED TYPICAL SECTION

STA. 64+84 TO 89+22

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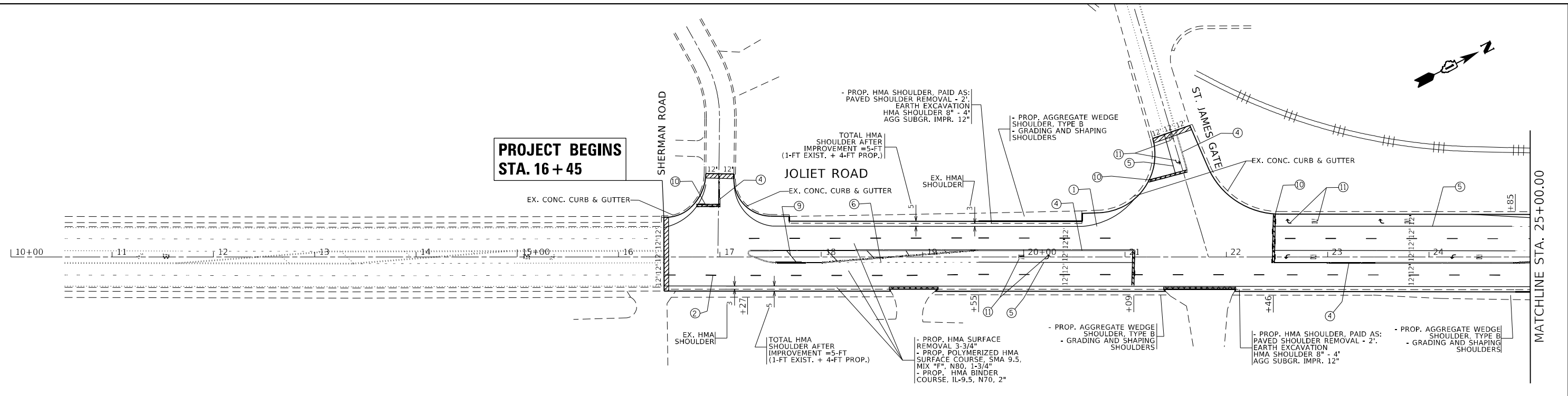
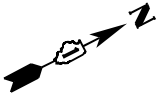
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PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOLIET ROAD (I-55 TO SHERMAN RD.)
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	15
CONTRACT NO. 62M43				
ILLINOIS FED. AID PROJECT				

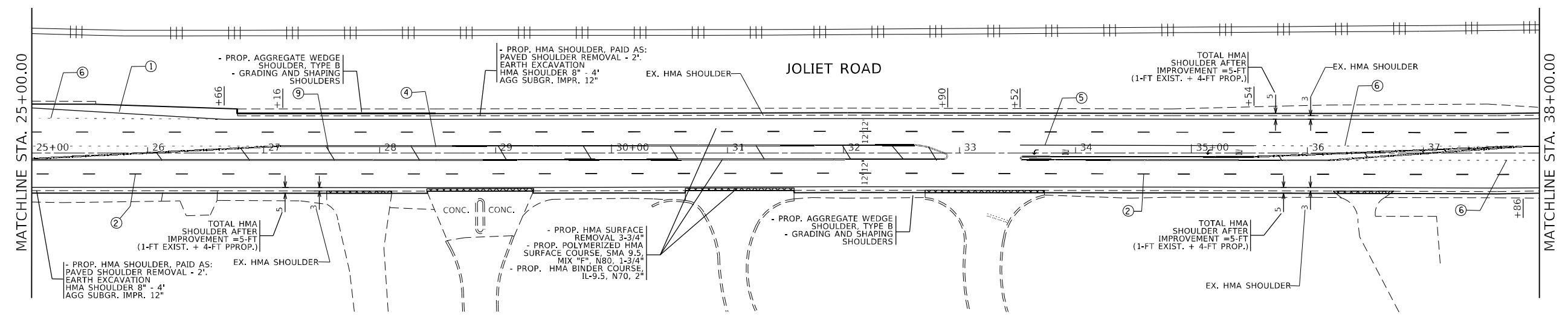
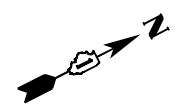


PAVEMENT MARKING LEGEND:

- ① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE (TYP.)
- ④ THERMOPLASTIC PAVEMENT MARKING, TWO 4" SOLID YELLOW LINES, @ 11 C-C (TYP.)
- ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKING CHEVRONS TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW LINES, @ 45 DEG. (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
- ⑪ THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING, 4" SOLID WHITE LINE (TYP.)
- ⑬ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7" (4" WHITE OVER 7" BLACK) OVER GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑭ MODIFIED URETHANE PAVEMENT MARKING, 4" SOLID YELLOW LINE (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING, TWO 4" SOLID YELLOW LINES, @ 11 C-C (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
- ⑰ MODIFIED URETHANE PAVEMENT MARKING, 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- ⑱ MODIFIED URETHANE PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
- ⑲ MODIFIED URETHANE PAVEMENT MARKING, 12" SOLID WHITE GORE MARKING CHEVRONS TYP.)
- ⑳ MODIFIED URETHANE PAVEMENT MARKING, 12" SOLID YELLOW LINES, @ 45 DEG. (TYP.)
- ㉑ MODIFIED URETHANE PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
- ㉒ MODIFIED URETHANE PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)

LEGEND:

- HMA BUTT-JOINT, 4.5'
- TEMPORARY RAMP SPECIAL, 2.0'



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS ON PCC SHALL BE MODIFIED URETHANE PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 4) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 5) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

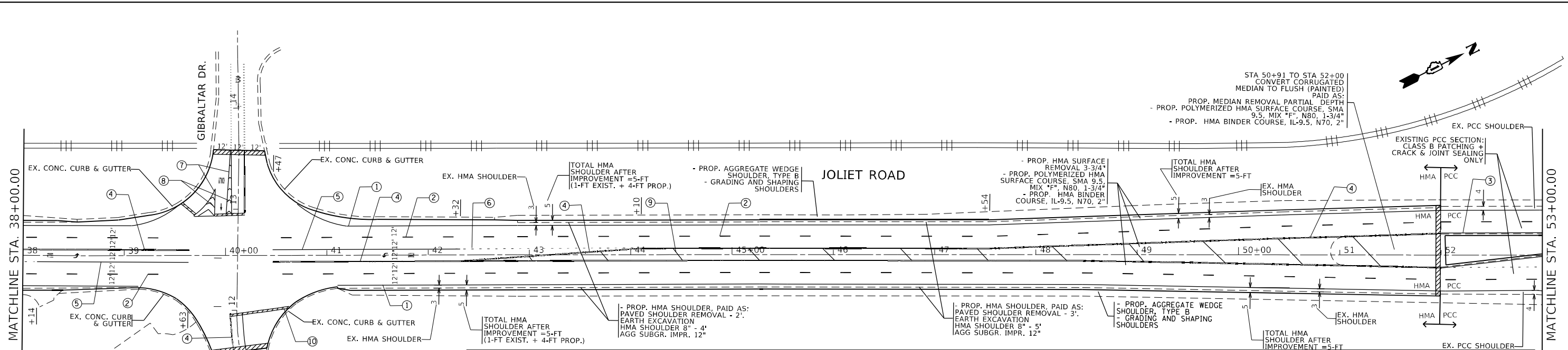
USER NAME = mohammed.baig	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

JOLIET ROAD (I-55 TO SHERMAN RD.) ROADWAY AND PAVEMENT MARKING PLAN	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	17
CONTRACT NO. 62M43				
ILLINOIS FED. AID PROJECT				

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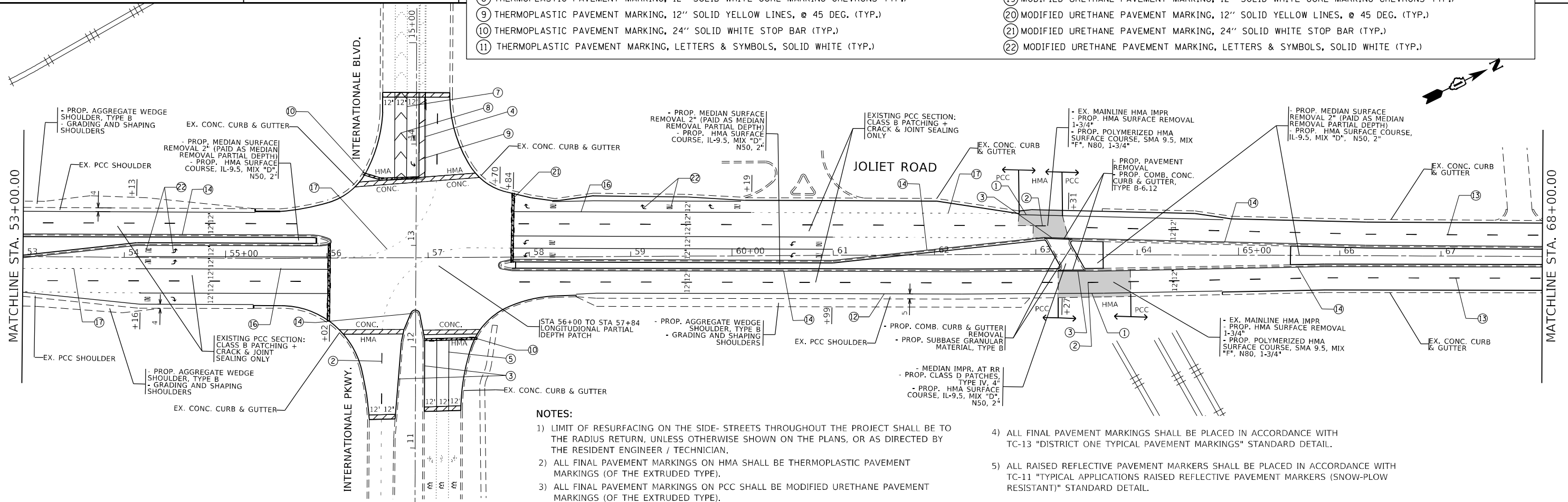


LEGEND:

	HMA BUTT-JOINT, 4.5'
	TEMPORARY RAMP SPECIAL, 2.0'

PAVEMENT MARKING LEGEND:

- | | |
|---|--|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE (TYP.) ② THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.) ③ THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW LINE (TYP.) ④ THERMOPLASTIC PAVEMENT MARKING, TWO 4" SOLID YELLOW LINES, @ 11 C-C (TYP.) ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.) ⑥ THERMOPLASTIC PAVEMENT MARKING, 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.) ⑦ THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.) ⑧ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKING CHEVRONS TYP.) ⑨ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW LINES, @ 45 DEG. (TYP.) ⑩ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.) ⑪ THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.) | <ul style="list-style-type: none"> ⑫ MODIFIED URETHANE PAVEMENT MARKING, 4" SOLID WHITE LINE (TYP.) ⑬ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7" (4" WHITE OVER 7" BLACK) OVER GROOVING FOR RECESSED PAVEMENT MARKING 8" ⑭ MODIFIED URETHANE PAVEMENT MARKING, 4" SOLID YELLOW LINE (TYP.) ⑮ MODIFIED URETHANE PAVEMENT MARKING, TWO 4" SOLID YELLOW LINES, @ 11 C-C (TYP.) ⑯ MODIFIED URETHANE PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.) ⑰ MODIFIED URETHANE PAVEMENT MARKING, 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.) ⑱ MODIFIED URETHANE PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.) ⑲ MODIFIED URETHANE PAVEMENT MARKING, 12" SOLID WHITE GORE MARKING CHEVRONS TYP.) ⑳ MODIFIED URETHANE PAVEMENT MARKING, 12" SOLID YELLOW LINES, @ 45 DEG. (TYP.) ㉑ MODIFIED URETHANE PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.) ㉒ MODIFIED URETHANE PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.) |
|---|--|



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS ON PCC SHALL BE MODIFIED URETHANE PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 4) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 5) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

MODEL: Default
 FILE: Joliet-Roadway-and-Pavement-Marking-Plan.dwg
 PROJECT: 2020-155-RS&SW
 DATE: 10/21/2022

USER NAME = mohammed.baig	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

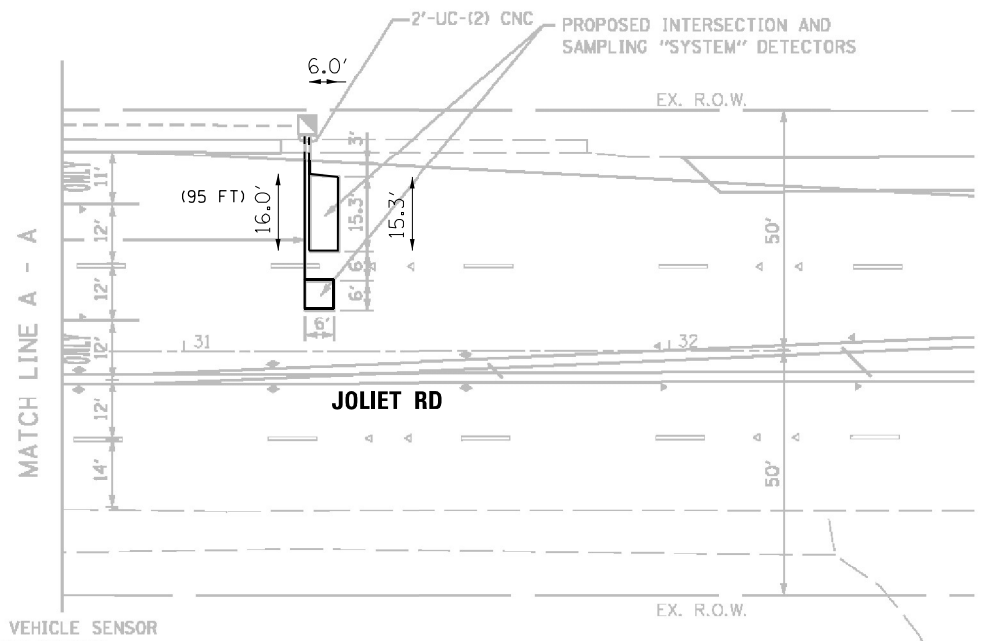
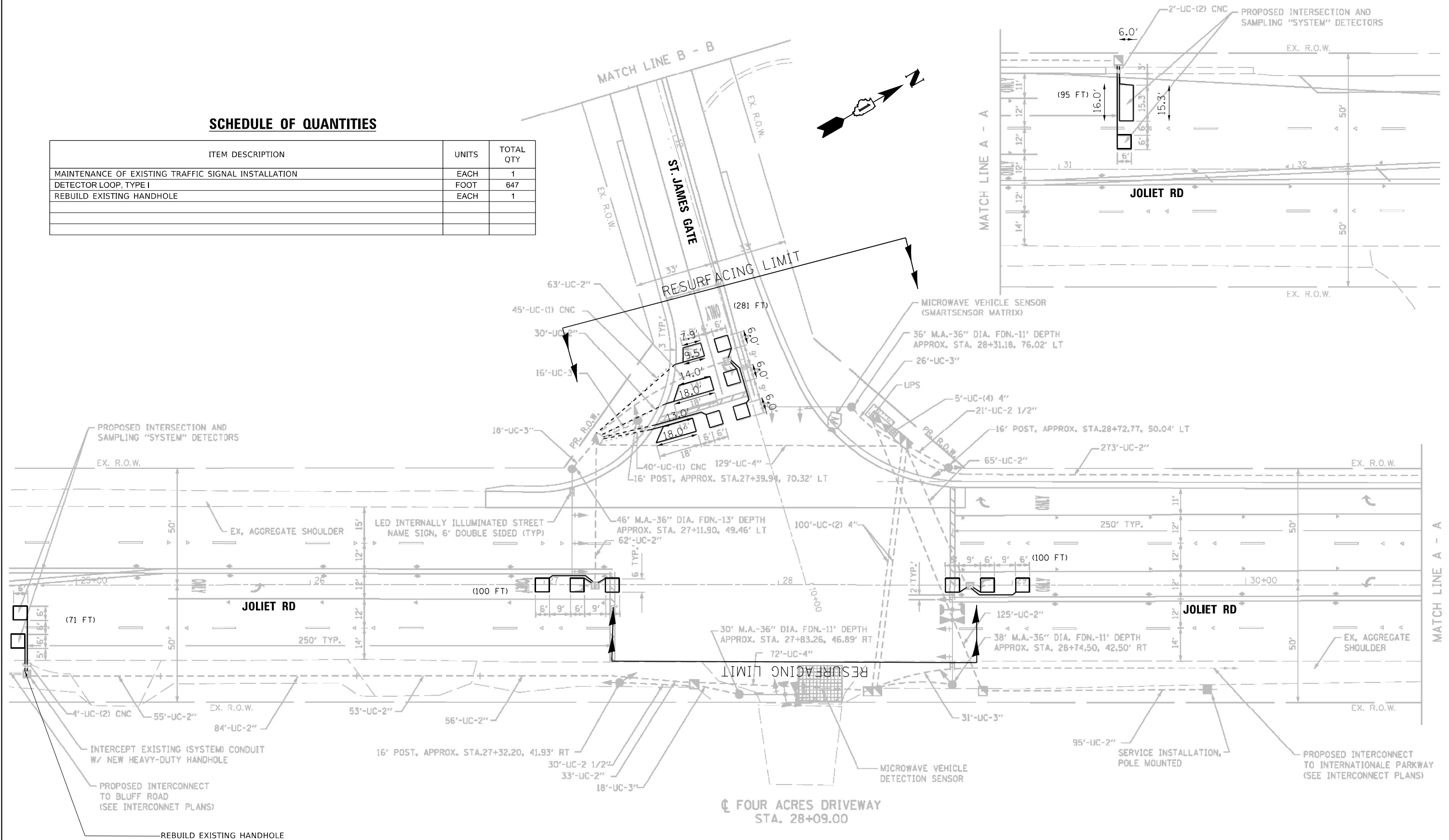
**JOLIET ROAD (I-55 TO SHERMAN RD.)
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-RS&SW	WILL	44	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M43	

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	647
REBUILD EXISTING HANDHOLE	EACH	1



MATCH LINE A - A

**TS
7568**

FILE NAME =	USER NAME = meroimh	DESIGNED - MM	REVISED -
S:\WP\Design\Munther-Merri\Done\62M43 - Joliet Rd (I-55 to Sherman Rd).Detector Loop\West Done\TS 7568 - Joliet Rd at St James Gate.dgn	DRWN -	CHKD - AV	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 07/6/2022	REVISED -
	PLOT DATE = 7/6/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

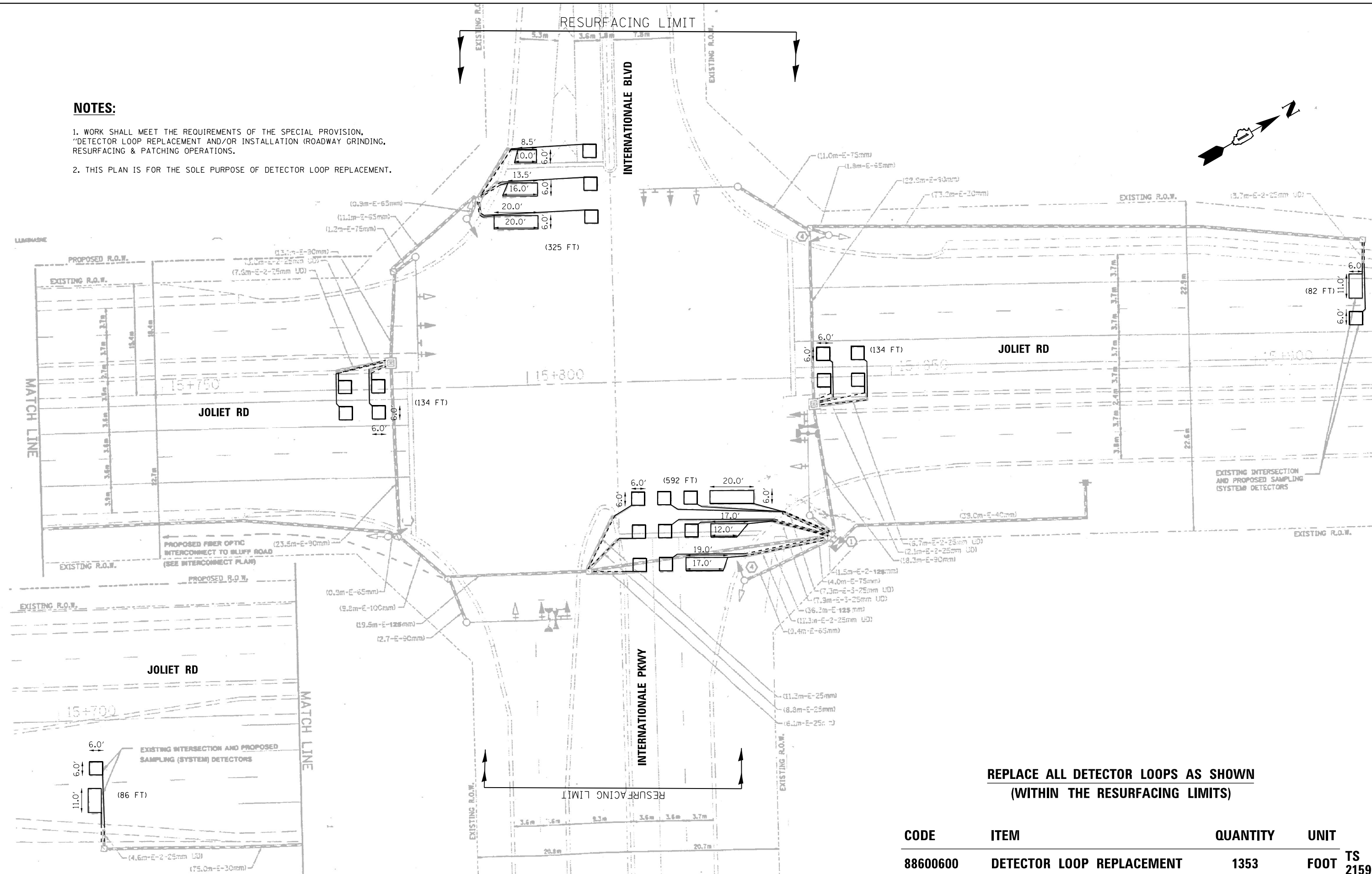
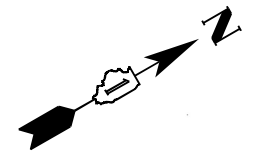
**DETECTOR LOOP REPLACEMENT PLAN
JOLIET RD AT ST. JAMES GATE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-RS&SW	WILL	44	21
CONTRACT NO. 62M43			ILLINOIS FED. AID PROJECT	

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1353	FOOT

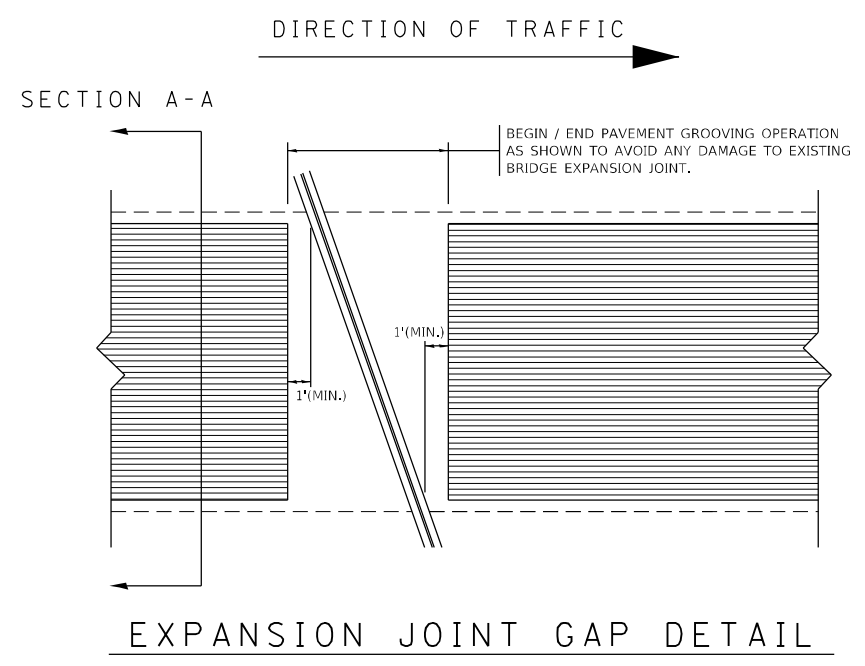
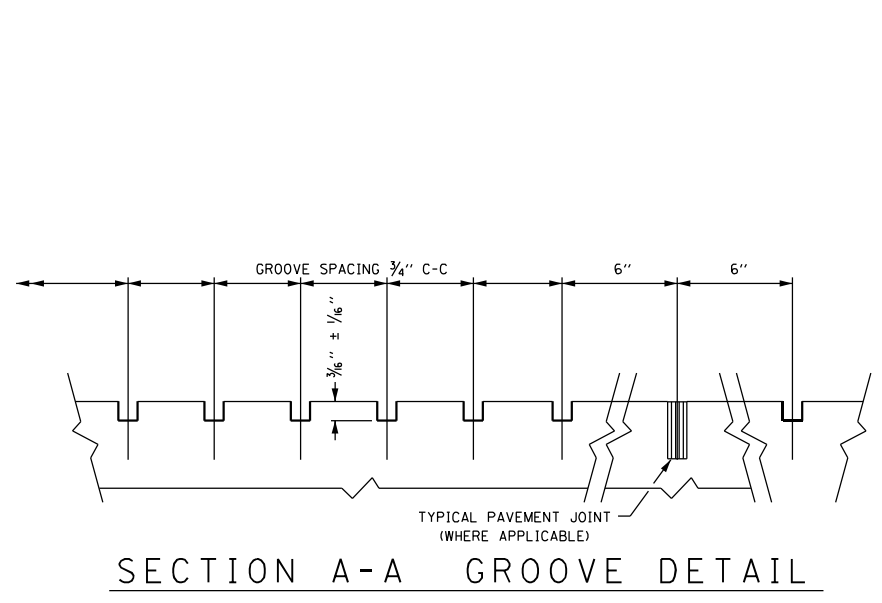
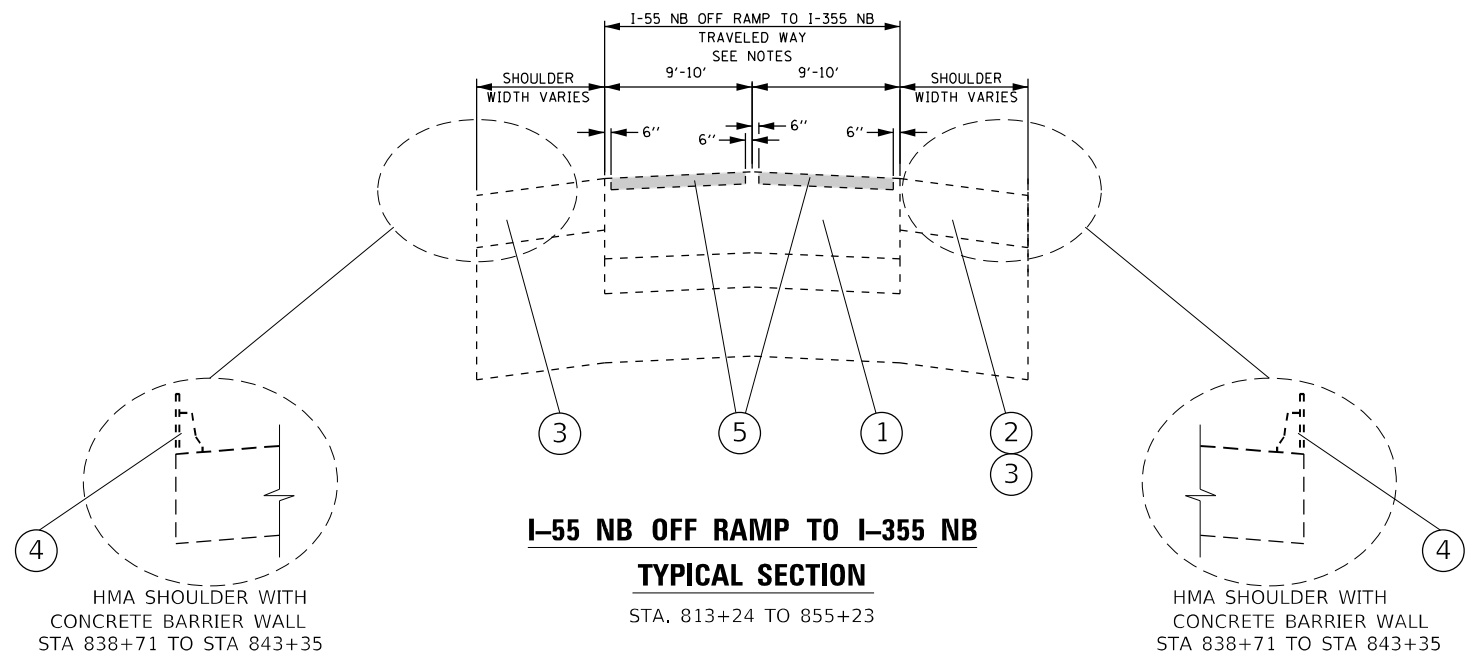
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NOTES

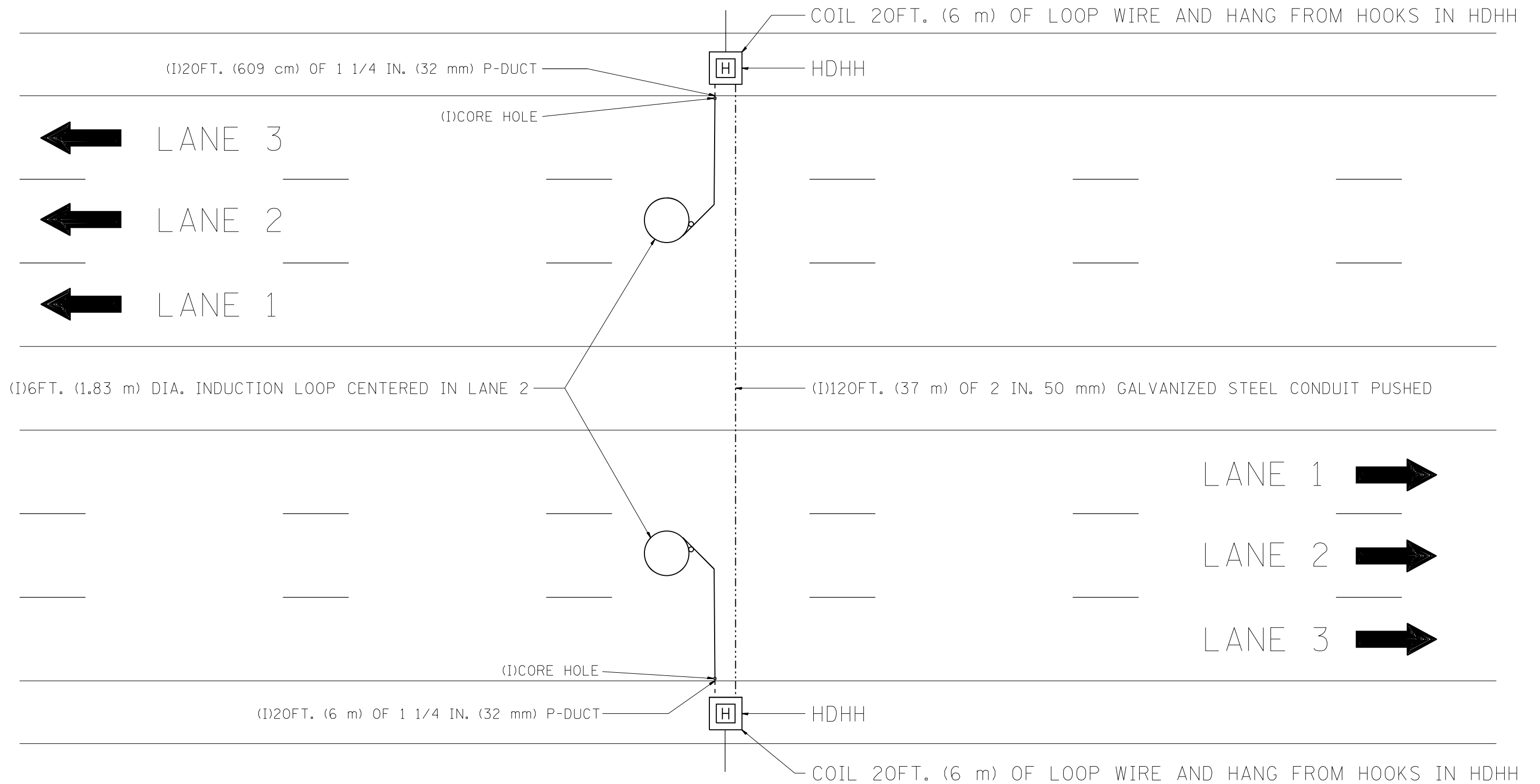
- 1.) REFER TO THE "PAVEMENT GROOVING" SPECIAL PROVISION.
- 2.) THE PAVEMENT GROOVING PATTERN SHOULD BE 1/8 INCH WIDE AND 3/16 INCH ± 1/16 INCH DEEP AT 3/4 INCH CENTERS.
- 3.) PAVEMENT GROOVING LIMITS DO NOT INCLUDE GORE AREAS OR SHOULDERS.
- 4.) SUCCESSIVE PASSES OF THE GROOVING MACHINE SHALL NOT OVERLAP.
- 5.) THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.

LEGEND

- ① EXISTING CONCRETE PAVEMENT
- ② EXISTING PC CONCRETE SHOULDER
- ③ EXISTING HMA SHOULDER
- ④ EXISTING PC CONCRETE BARRIER WALL, WIDTH VARIES
- ⑤ PROPOSED PAVEMENT GROOVING (SEE GROOVE DETAIL)



FILE NAME =	USER NAME = mohammed.beig	DESIGNED - PLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS I-55 NORTHBOUND OFF RAMP TO I-355 NORTHBOUND	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 10/21/2022					ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	



NOTE:

THE COST OF LOOP WIRE IN HDHH IS INCIDENTAL TO THE INDUCTION LOOP. IT SHALL NOT BE MEASURE FOR PAYMENT.

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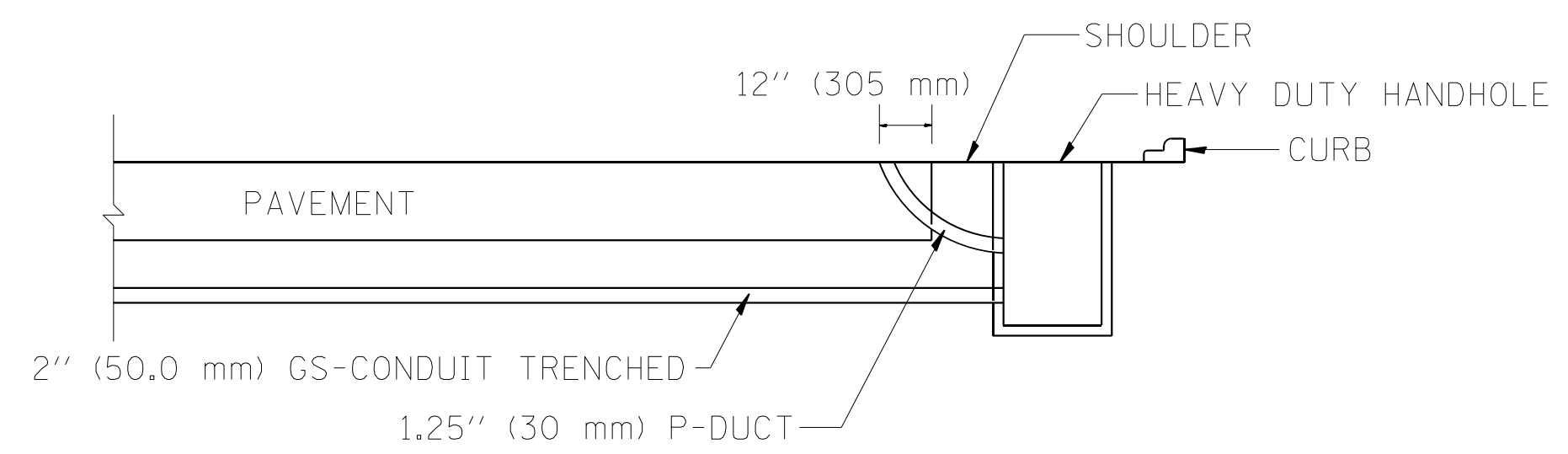
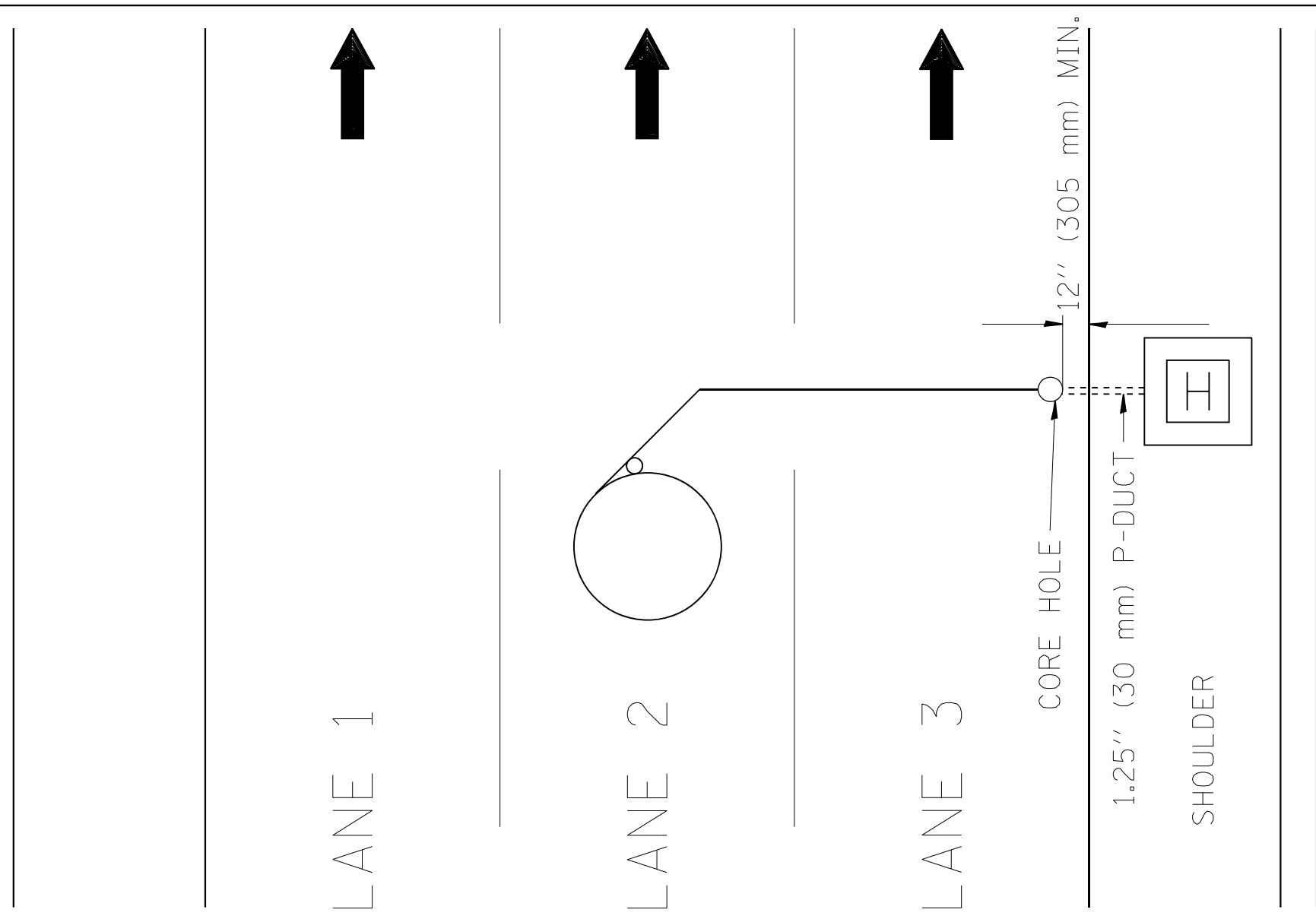
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	DATE - 01-31-07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 TRAFFIC SYSTEMS CENTER

ONE LANE COUNT STATION	
SCALE: NONE	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	26
CONTRACT NO. 62M43				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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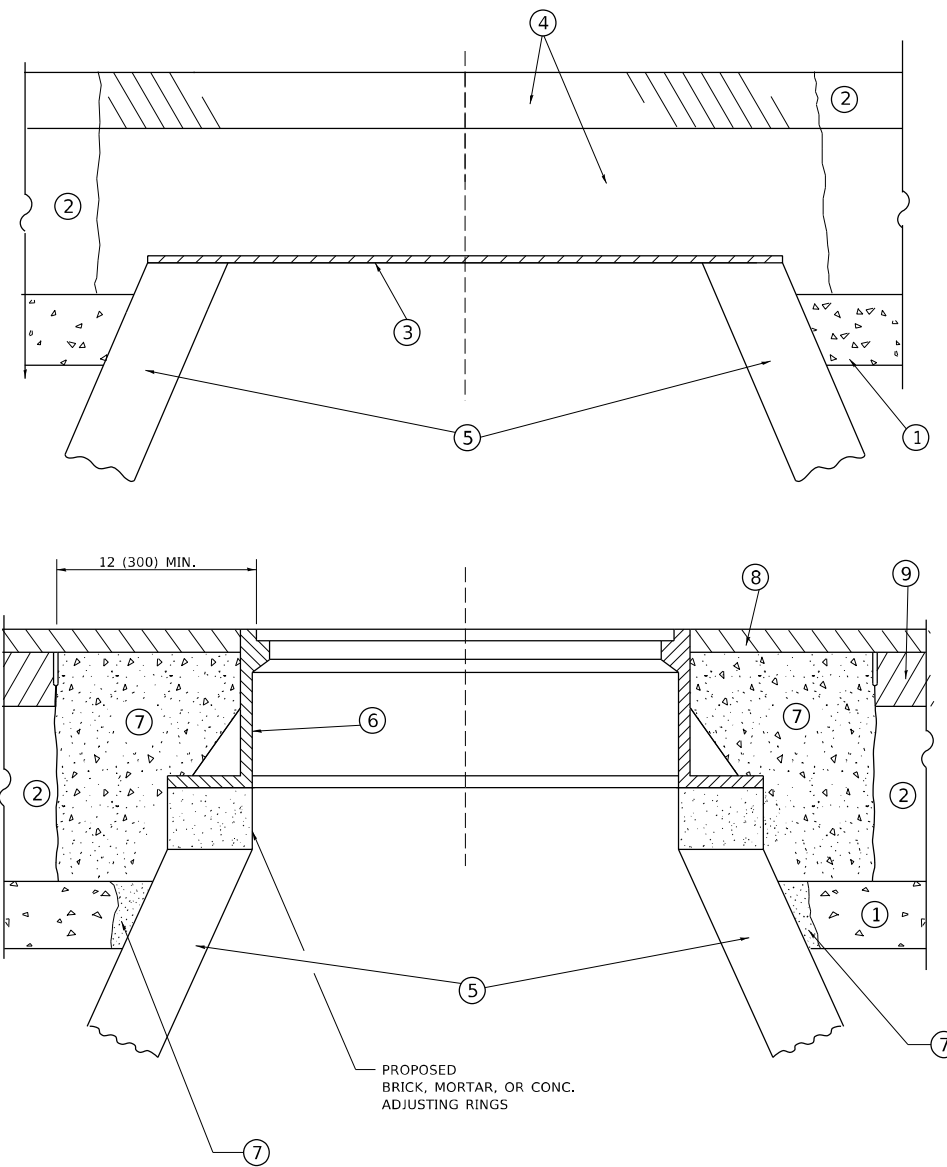


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PLOT DATE = 10/21/2022	DATE - 11/7/95	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 TRAFFIC SYSTEMS CENTER

DIVE HOLE DUCT SYSTEM			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-R5&SW	WILL	44	28
FED. ROAD DIST. NO.			CONTRACT NO. 62M43	
ILLINOIS FED. AID PROJECT				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS*PP-1 CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 10/21/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

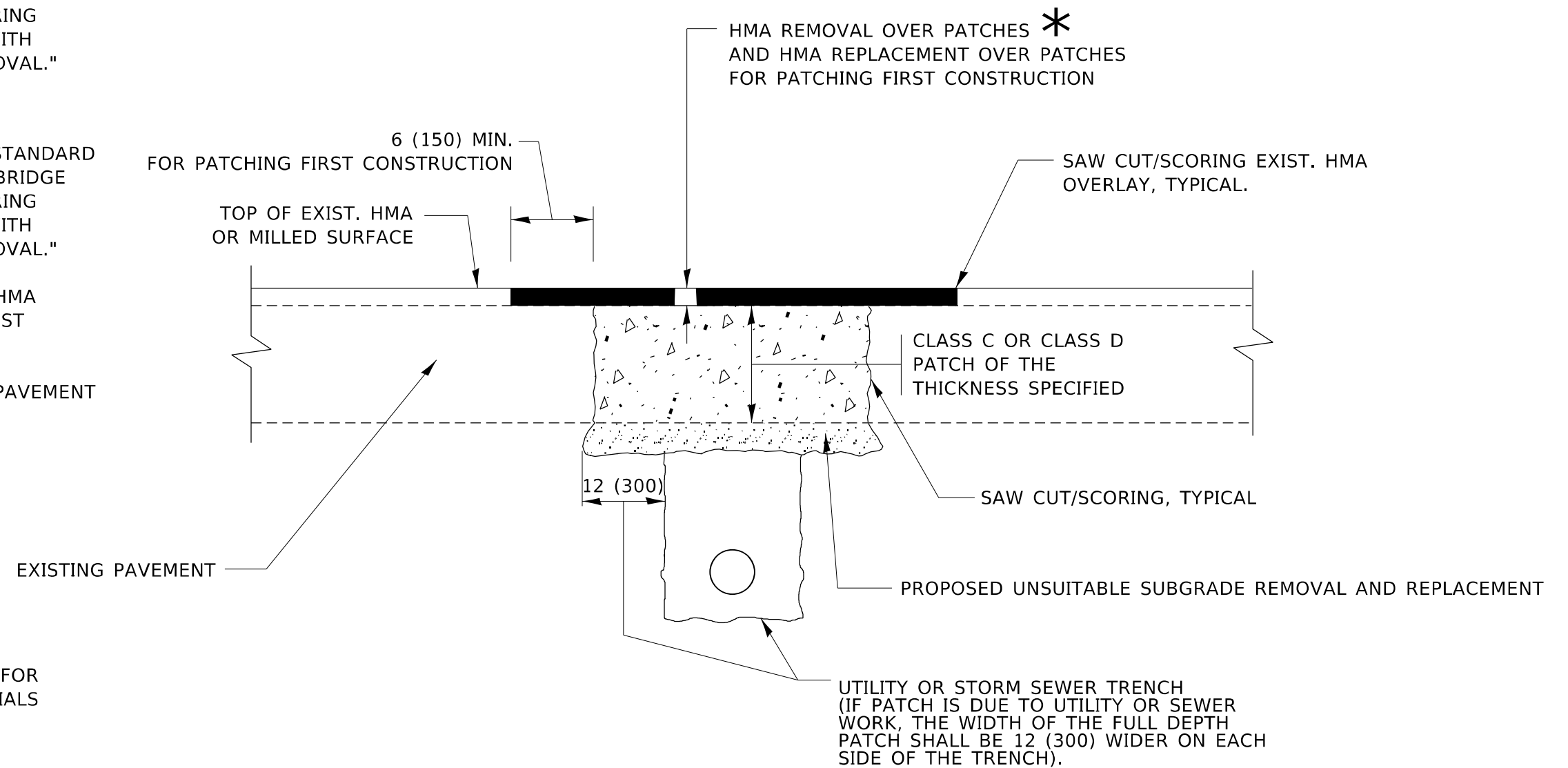
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378	2020-155-RS&SW	WILL	44	30
BD600-03 (BD-08)		CONTRACT NO. 62M43		
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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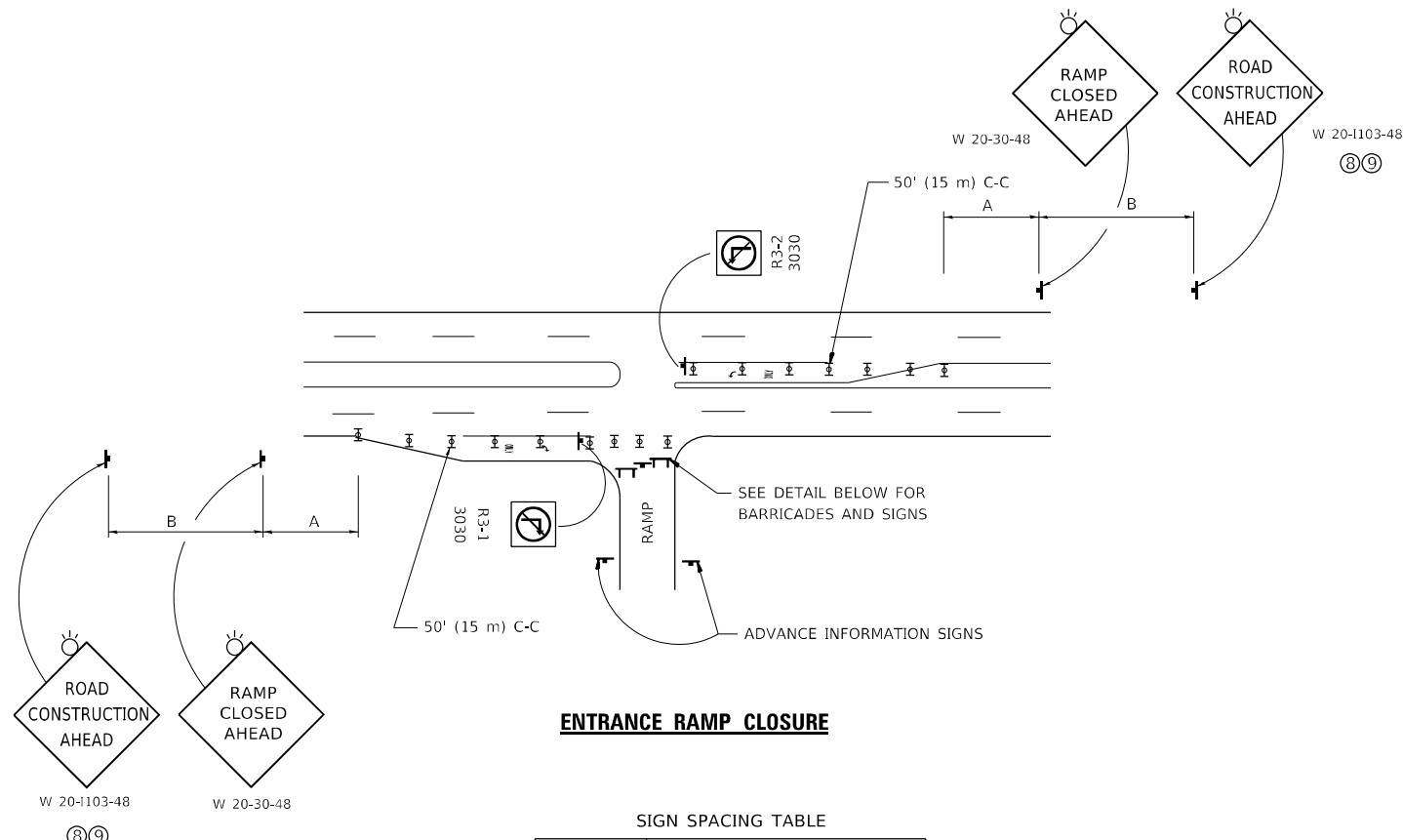
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PLOT DATE = 10/21/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

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

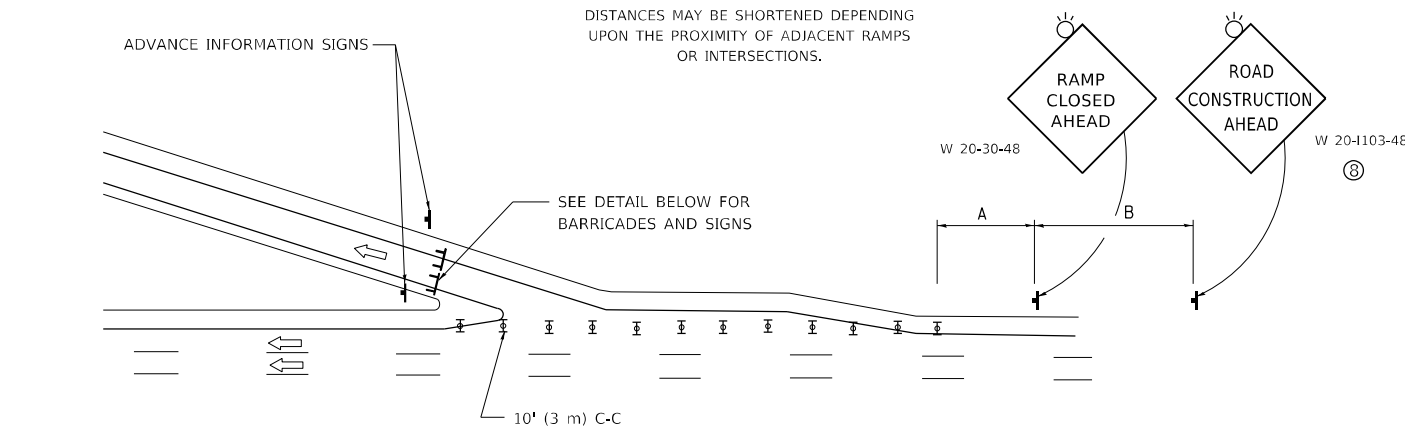


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

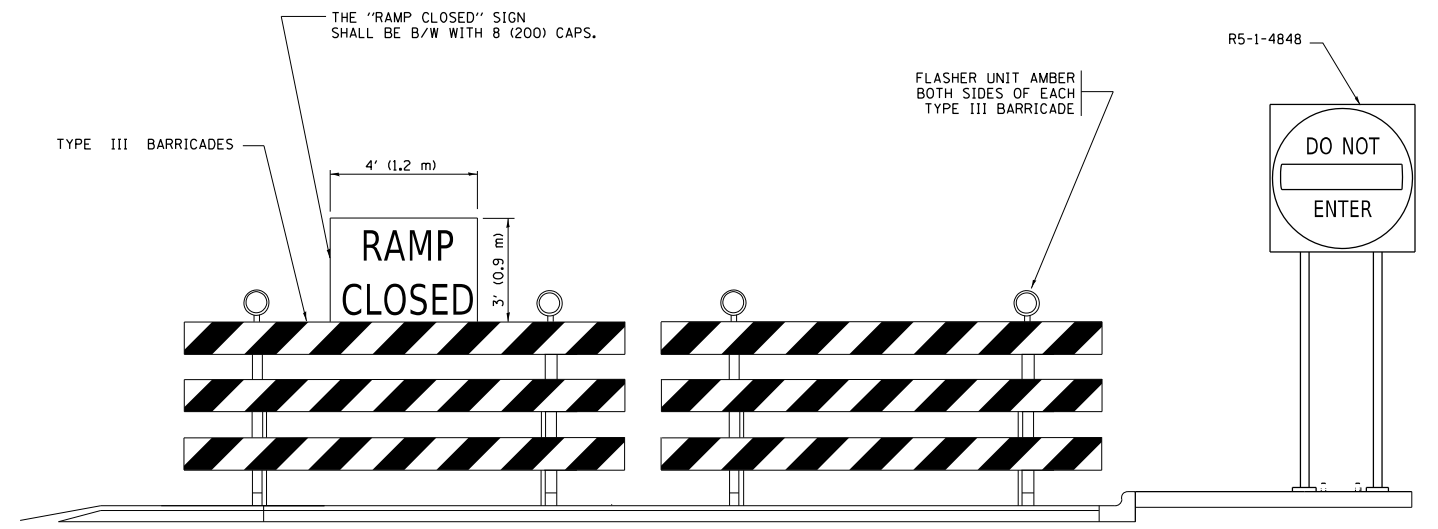
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

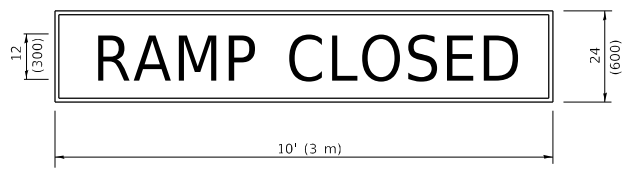
SYMBOLS

- ⊥ TYPE II BARRICADE OR DRUM
- ⊥ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



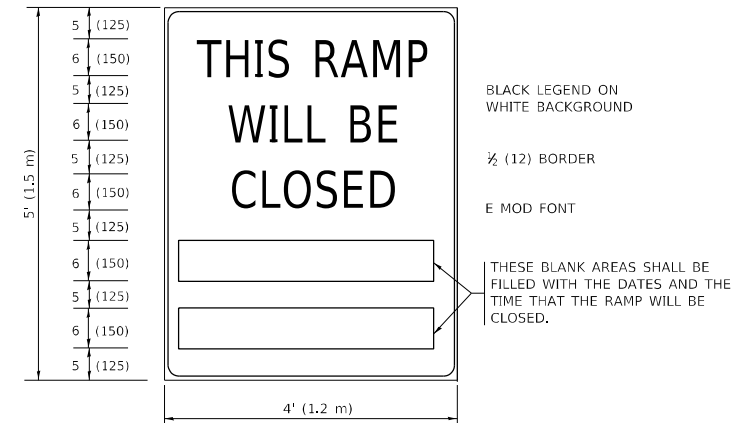
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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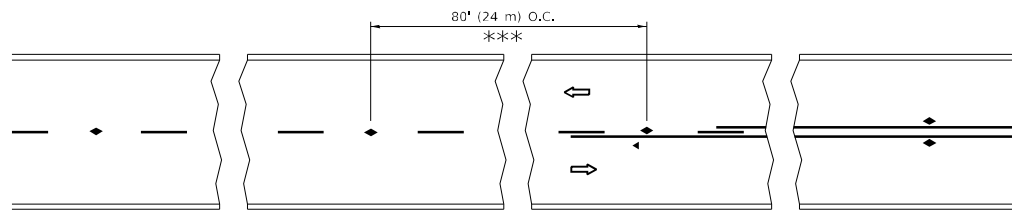
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		REVISED - M.D._01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE_AND_EXIT_RAMP
CLOSURE_DETAILS**

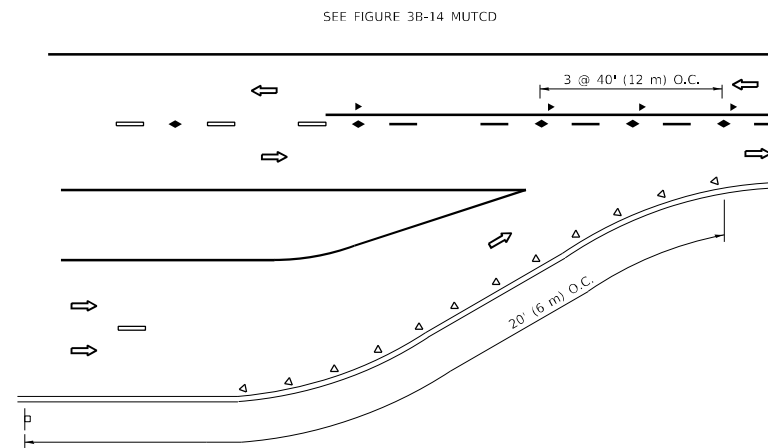
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-08		CONTRACT NO. 62M43		
ILLINOIS		FED. AID PROJECT		

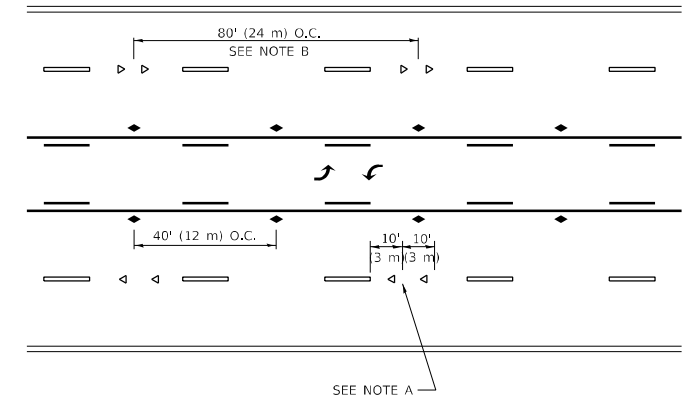


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

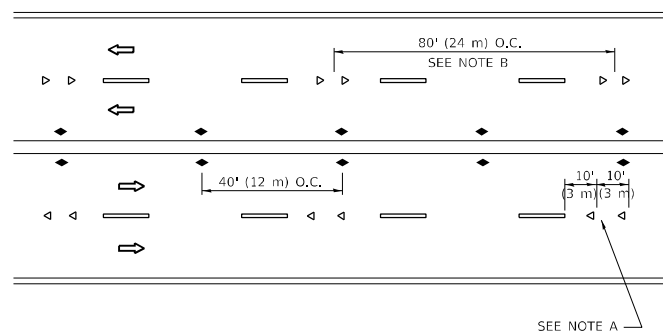
TWO-LANE/TWO-WAY



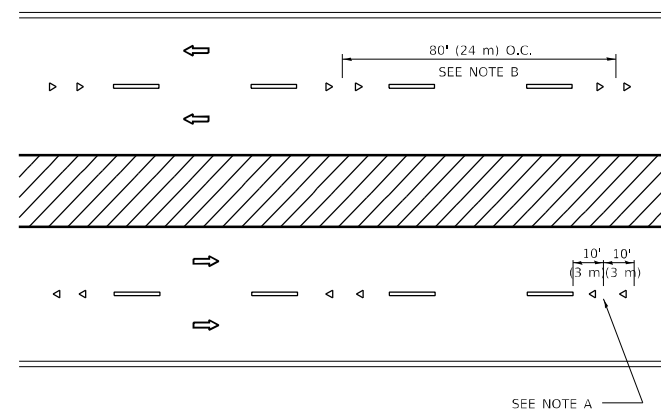
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

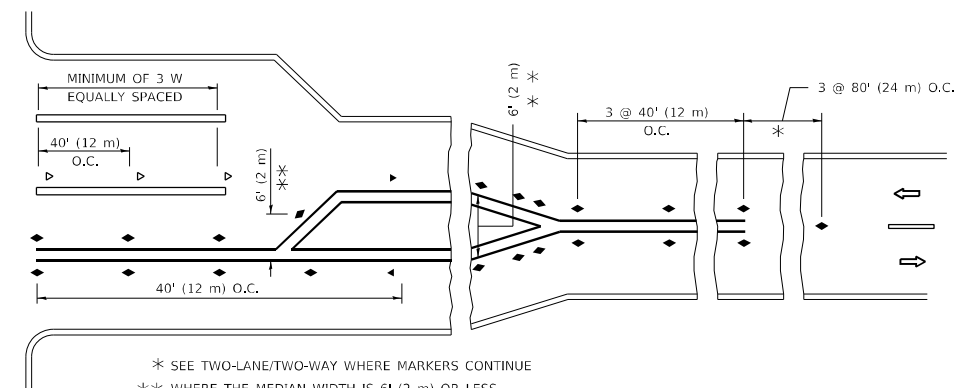
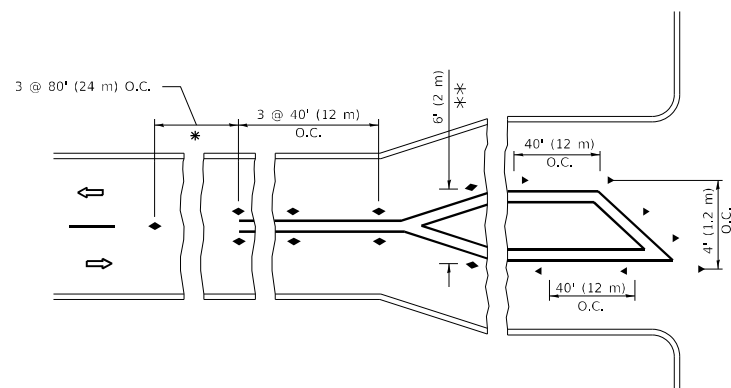
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

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	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-RS&SW	WILL	44	36
TC-11		CONTRACT NO. 62M43		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

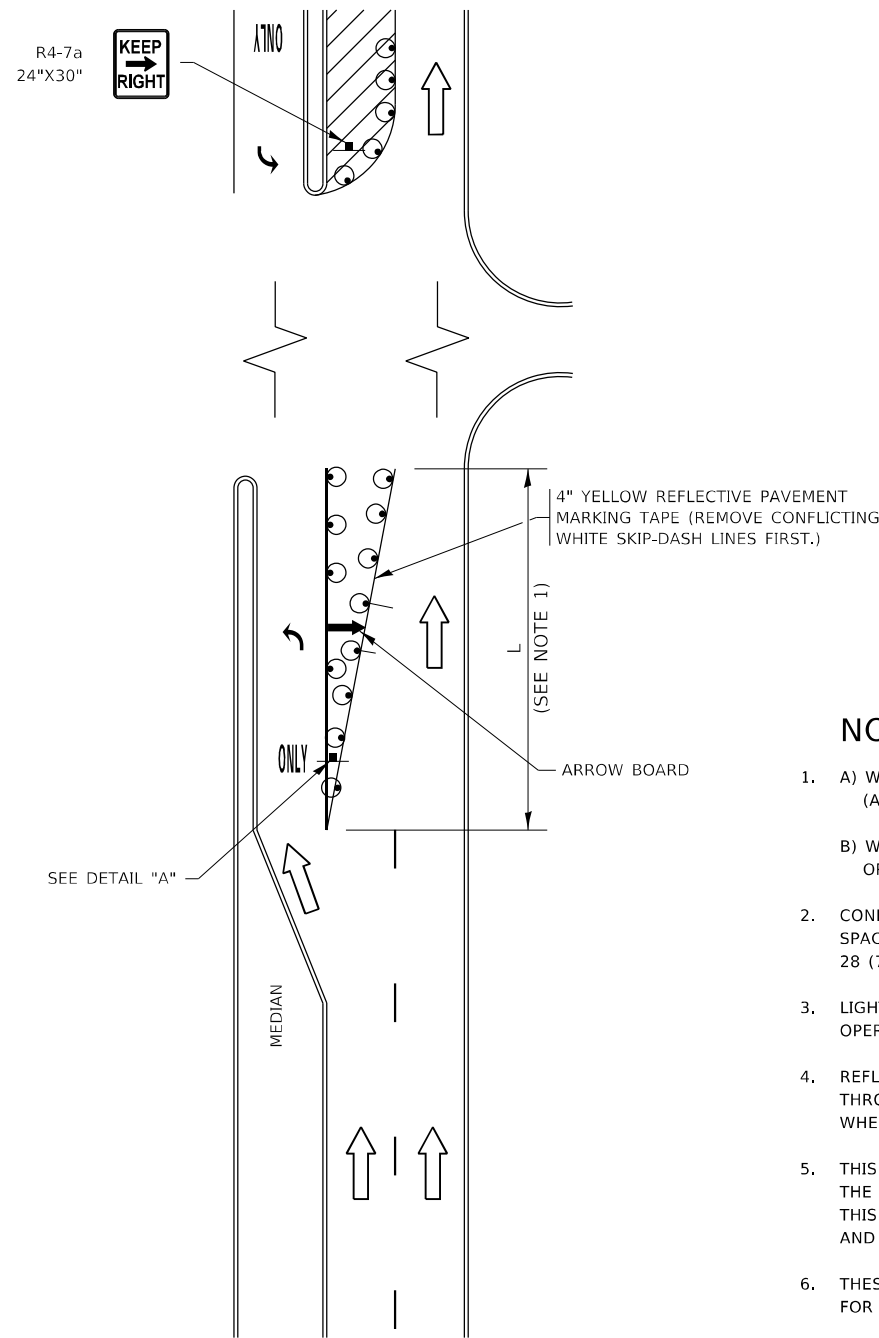


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

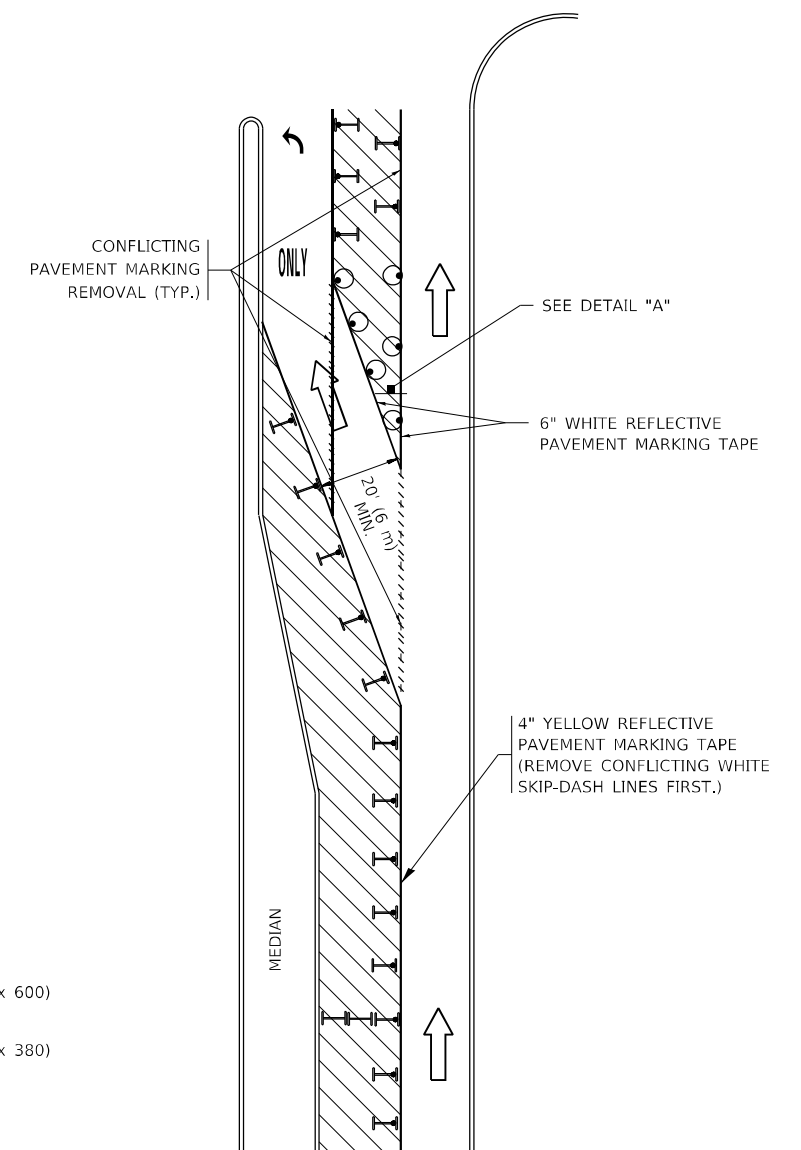
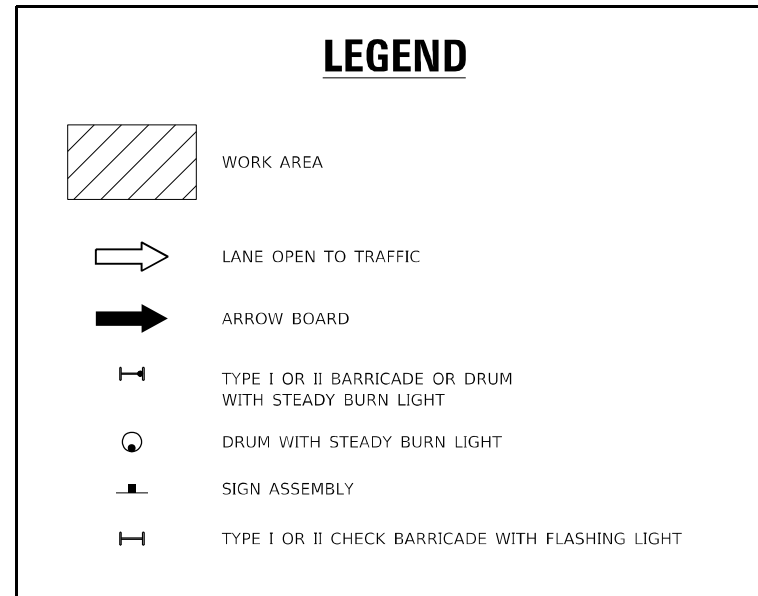
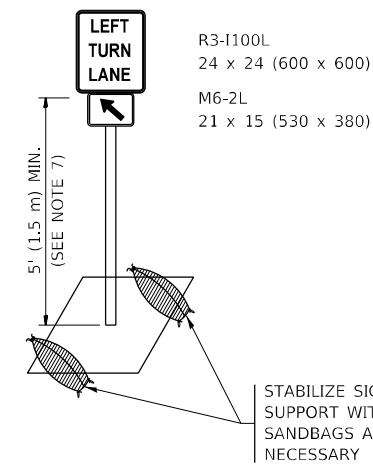


FIGURE 2



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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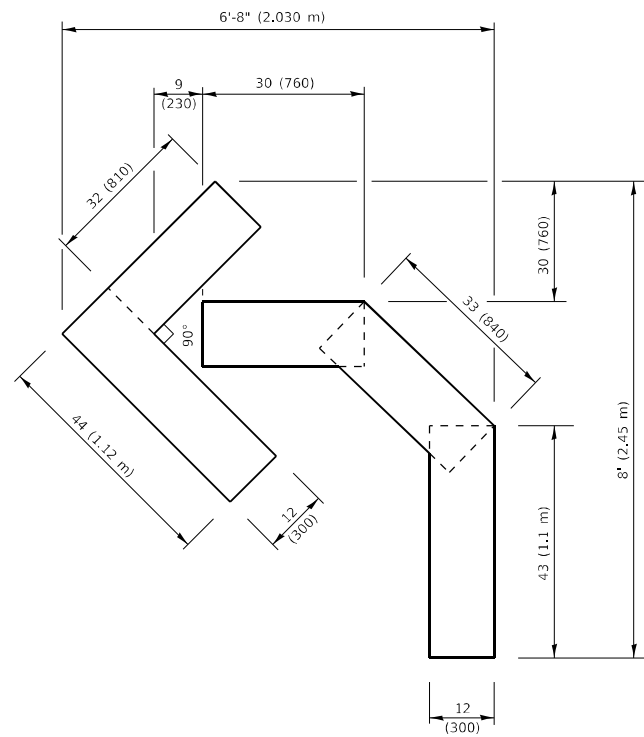
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PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 10/21/2022	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

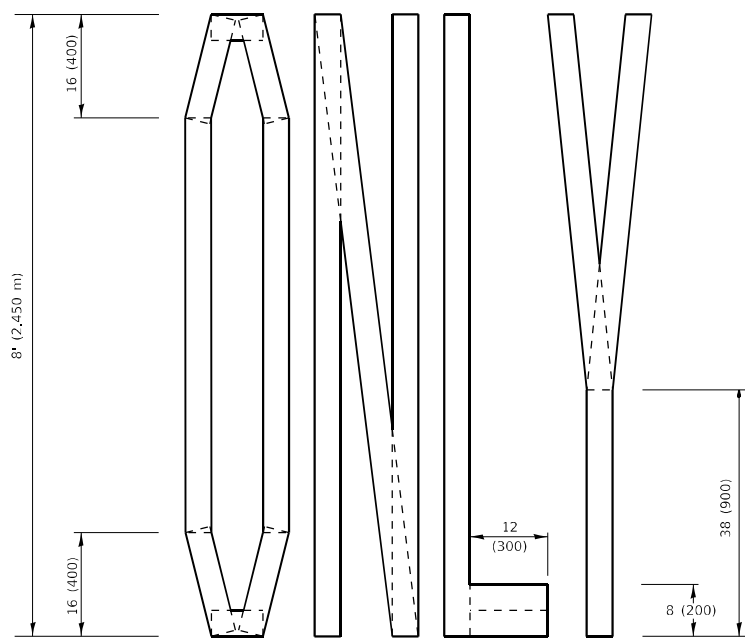
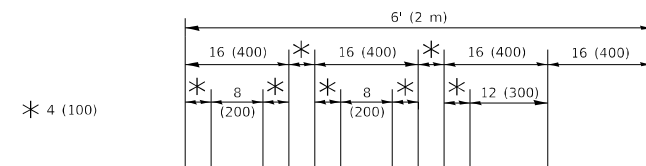
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-RS&SW	WILL	44	38
TC-14		CONTRACT NO. 62M43		
ILLINOIS FED. AID PROJECT				



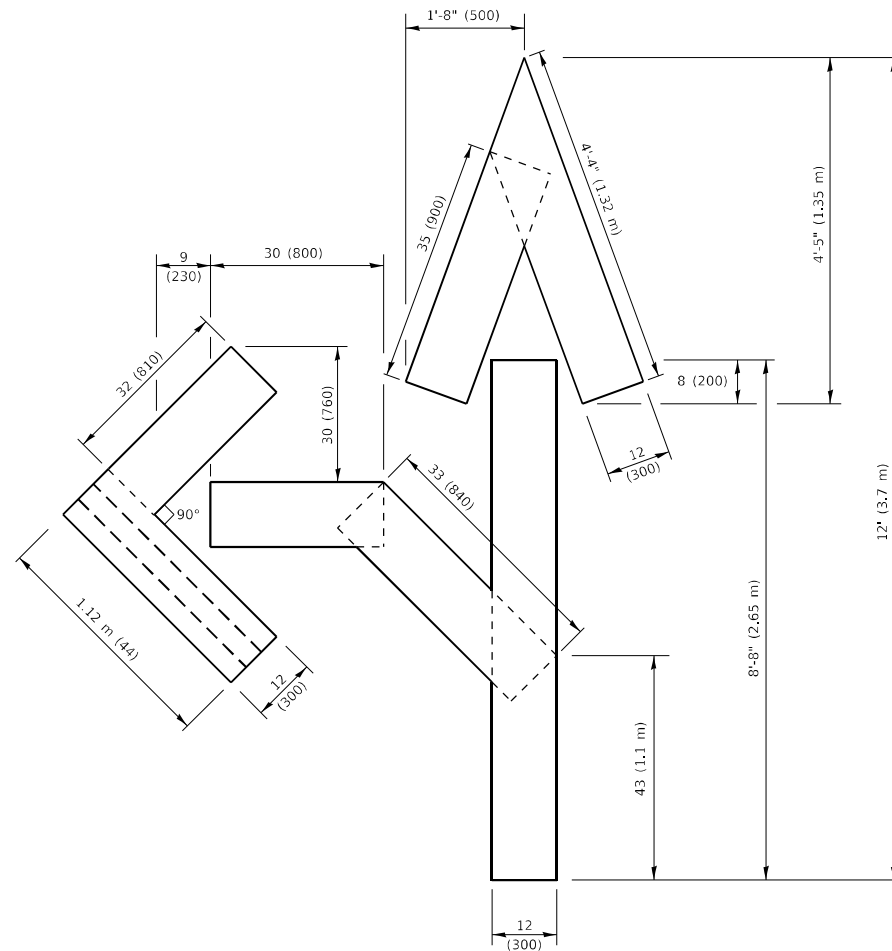
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

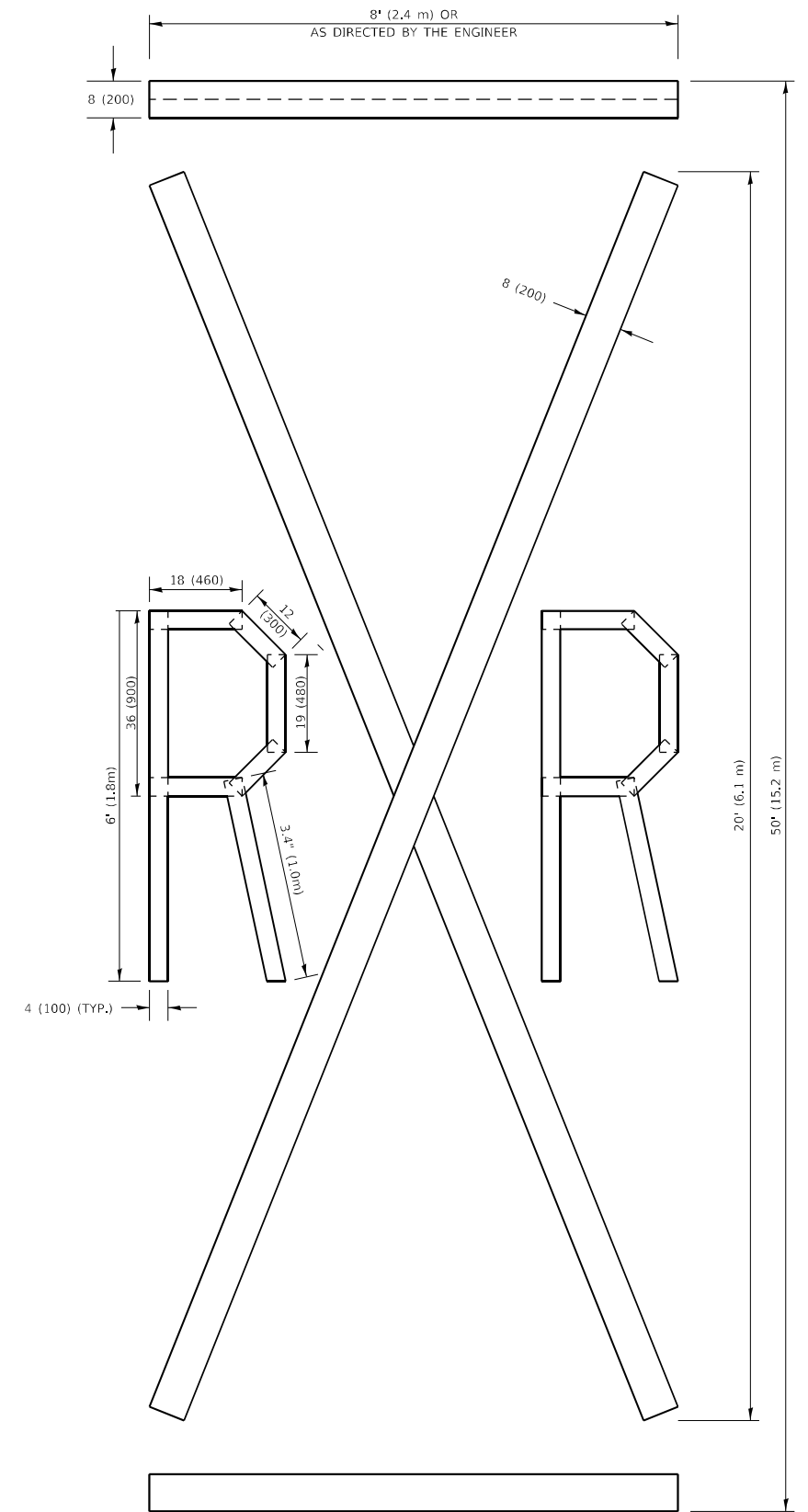


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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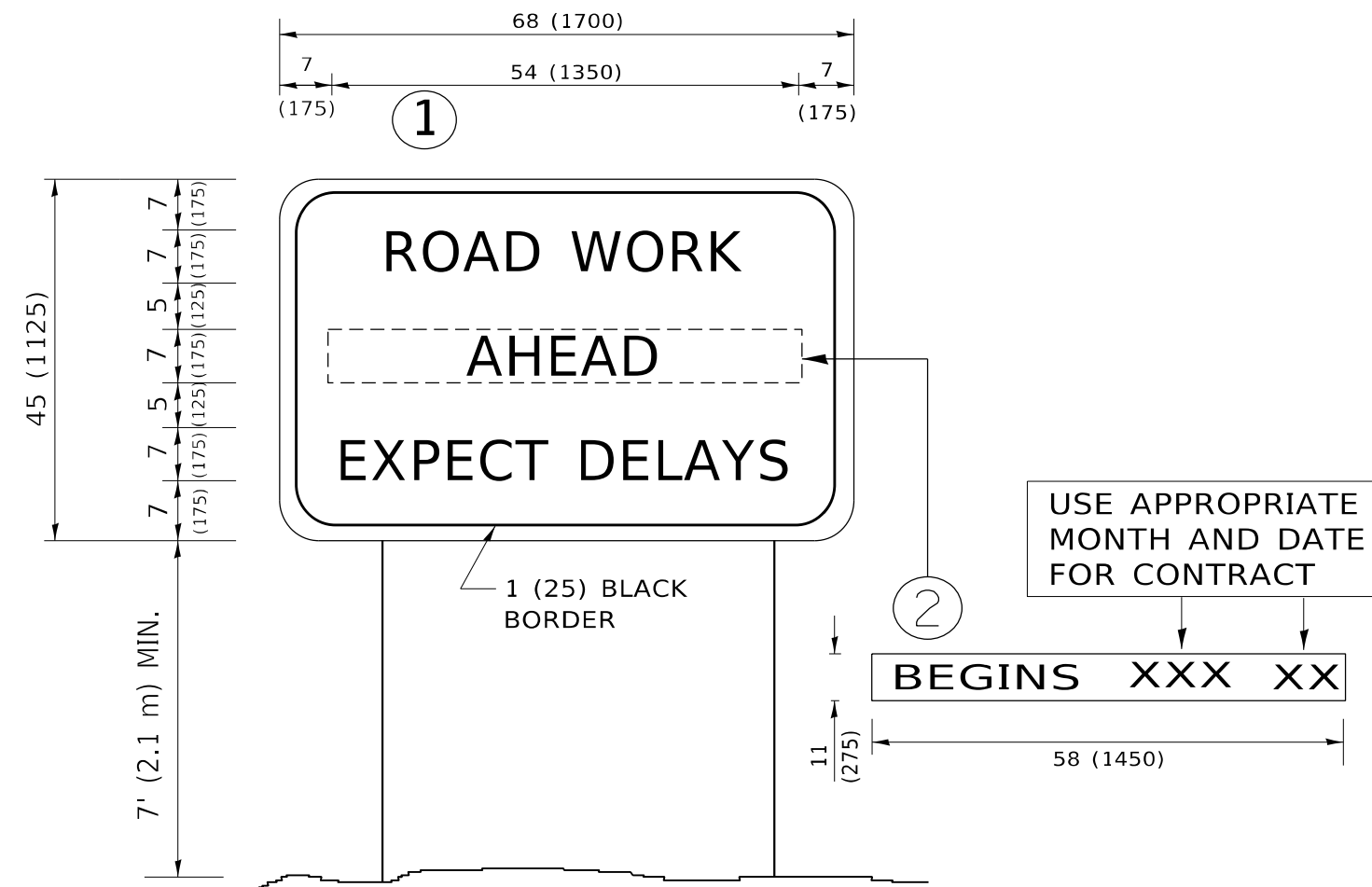
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PLOT DATE = 10/21/2022	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-RS&SW	WILL	44	39
TC-16		CONTRACT NO. 62M43		
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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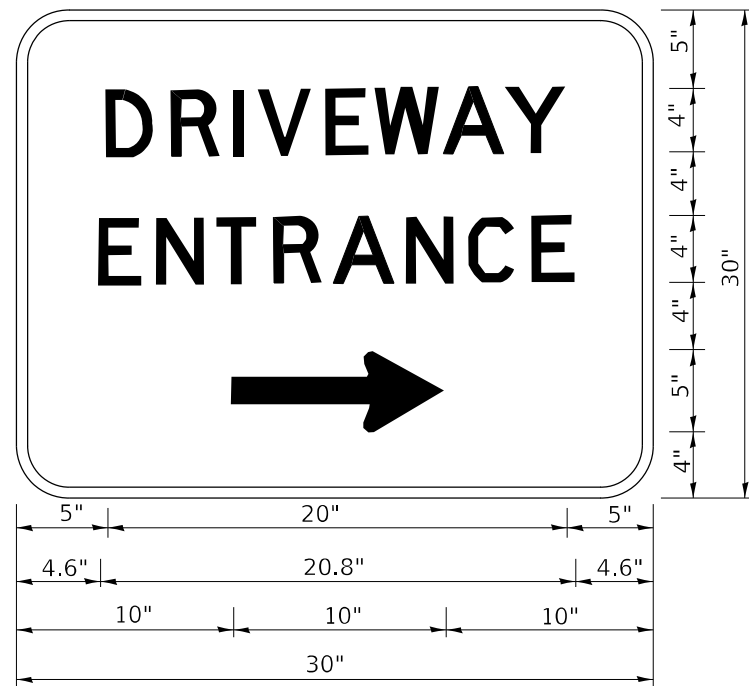
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PLOT DATE = 10/21/2022	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-RS&SW	WILL	44	41
TC-22			CONTRACT NO. 62M43	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

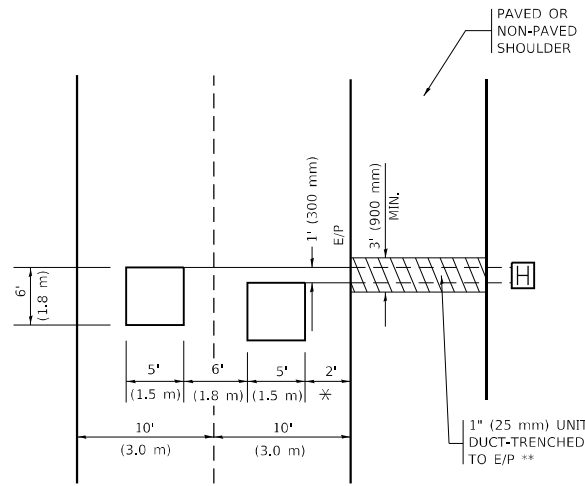
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-RS&SW	WILL	44	42
TC-26			CONTRACT NO. 62M43	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



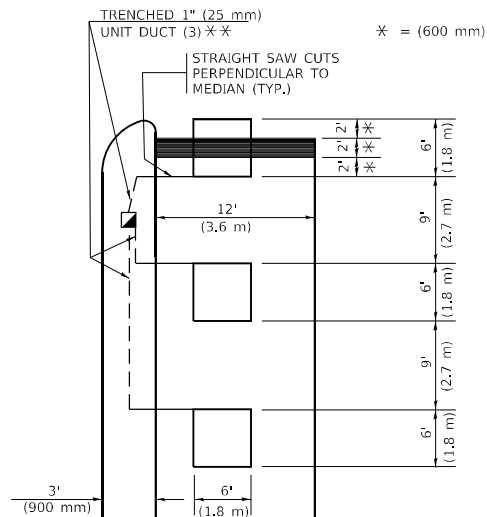
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

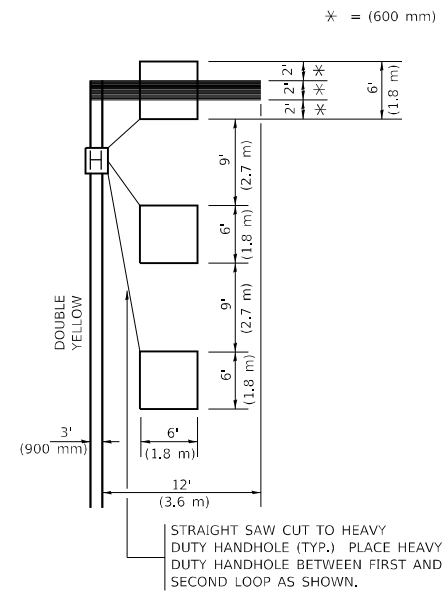


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

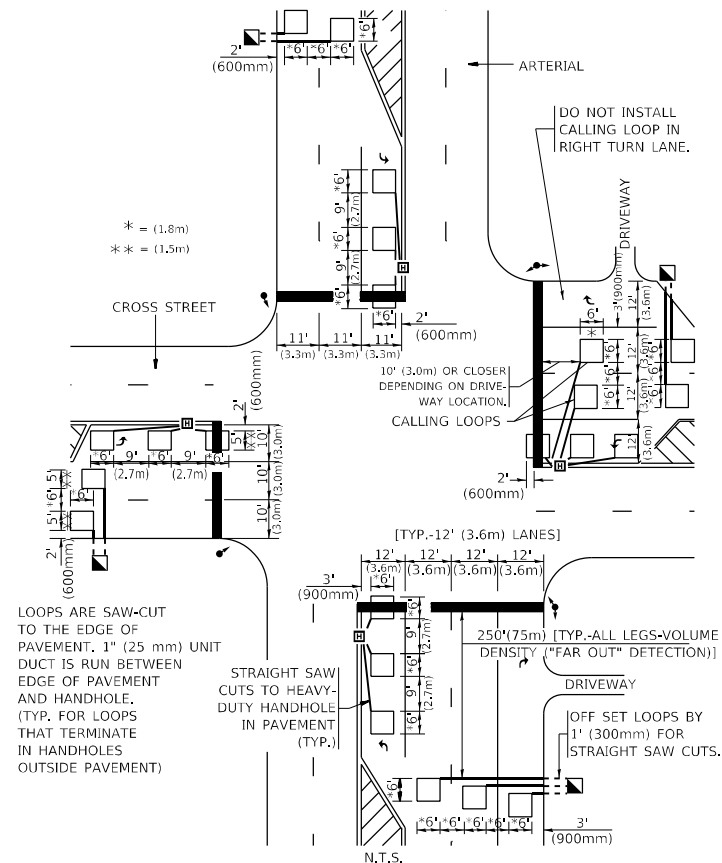
LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)



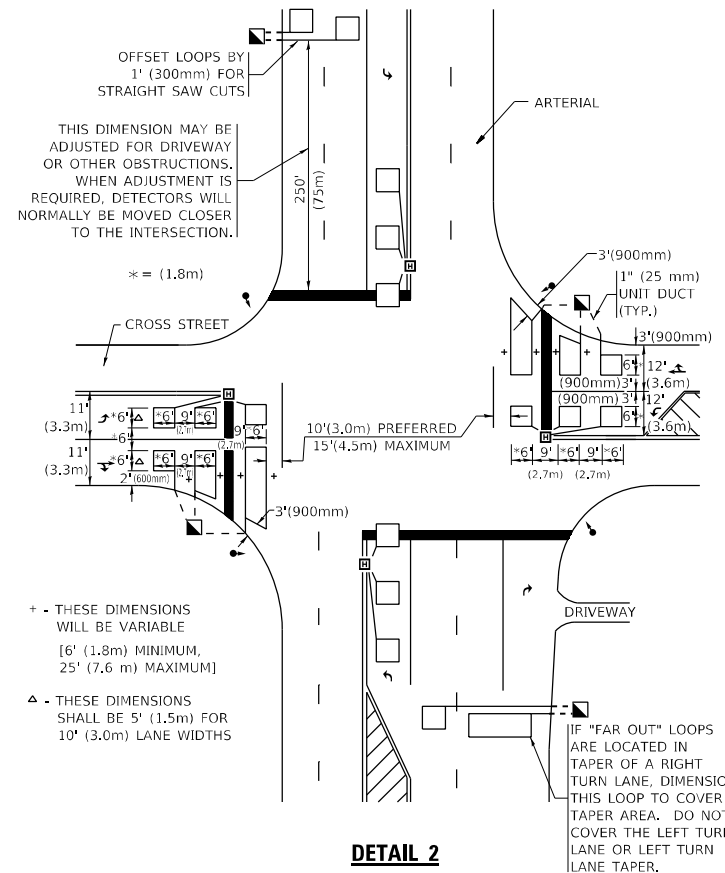
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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USER NAME = mohammed.baig	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - R.K.F.	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION			
DETAILS FOR ROADWAY RESURFACING			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	2020-155-RS&SW	WILL	44	43
TS-07			CONTRACT NO. 62M43	
ILLINOIS FED. AID PROJECT				

