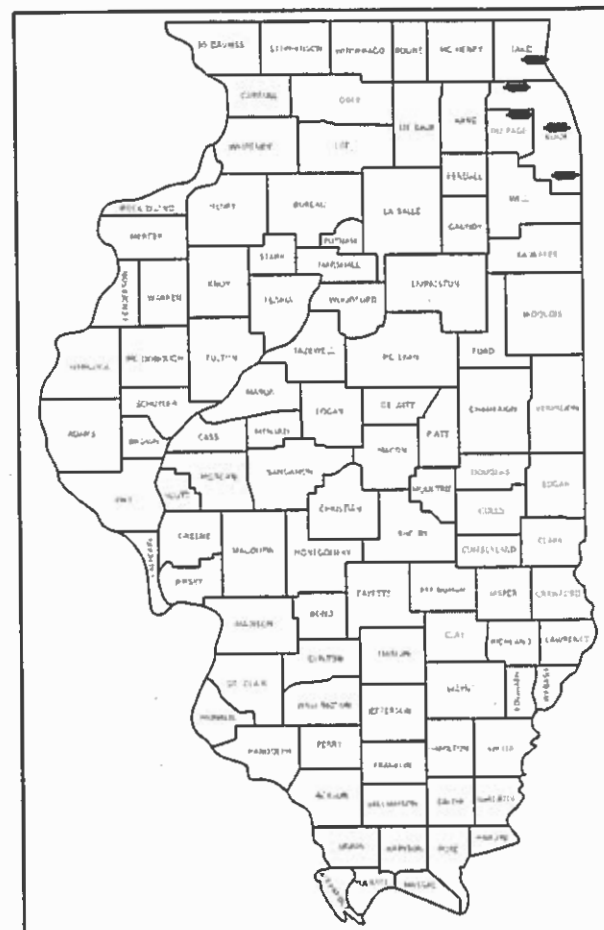


06-14-2019 LETTING ITEM 054

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-083-DR		35	1
REPORT			CONTRACT NO. 62H33	
* COOK, DUPAGE, & LAKE				

D-91-027-19



LOCATION OF SECTION INDICATED THUS: —■—

# PROPOSED HIGHWAY PLANS

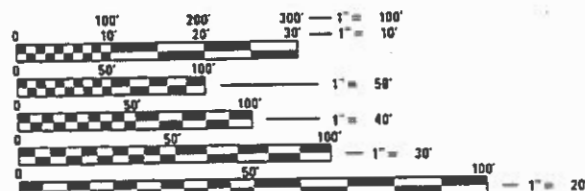
VARIOUS ROUTES  
VARIOUS LOCATIONS  
SECTION: 2018-083-DR  
DRAINAGE  
VARIOUS COUNTIES  
(COOK, DUPAGE, AND LAKE COUNTIES)

C-91-226-19

FOR GENERAL LOCATION MAPS, SEE SHEET NO. 6 AND 7

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGES OF  
BELLWOOD, HOMEWOOD, LAKE BLUFF, PALATINE, AND ROSELLE



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: DAN WILGREEN (847) 705-4240  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62H33

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 18 2019  
*Anthony J. Danylyk* / **CR3**  
REGIONAL ENGINEER

May 10 2019  
*Scott A. Elk*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 10 2019  
*Paul J. Chaf*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-7	GENERAL LOCATION MAPS
8	LOCATION 1: SCRANTON AVE. DRAINAGE PLAN
9-16	LOCATION 2: I-290 MOT AND DRAINAGE PLANS
17	LOCATION 3: IL 19 DRAINAGE PLAN AND PROFILE
18-20	LOCATION 4: US 14 EROSION CONTROL AND DRAINAGE PLANS
21-22	LOCATION 5: RIDGE RD. (CENTER AVE. TO HALSTED ST.) DRAINAGE PLANS
23	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5 m) (BD-02)
24	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
25	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
26	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE (TC-09)
27	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
28	TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
29-30	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)
31	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
32	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
33	FREEWAYS/EXPRESSWAYS SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS (TC-18)
34	ARTERIAL ROAD INFORMATION SIGN (TC-22)
35	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE (TC-25)

**HIGHWAY STANDARDS CONT.**

STANDARD NO.	DESCRIPTION
642001-02	SHOULDER RUMBLE STRIPS, 16 in.
643001-02	SAND MODULE IMPACT ATTENUATORS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS DAY ONLY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-09	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION REQUIRED). THE CONTRACTOR SHALL ALSO CALL E.M.C. (DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR) AT (708) 524-2145 FOR FIELD LOCATIONS OF DISTRICT 1 ELECTRICAL CABLES.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF BELLWOOD, HOMEWOOD, LAKE BLUFF, PALATINE, AND ROSELLE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE 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.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL PAVEMENT PATCHING AND CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 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.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON ARTERIALS.
- THE ENGINEER SHALL CONTACT DON CHIARUGI, ARTERIAL TRAFFIC FIELD ENGINEER, AT DON.CHIARUGI@ILLINOIS.GOV FOR A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON EXPRESSWAYS.
- THE ENGINEER SHALL CONTACT THE EXPRESSWAY FIELD ENGINEER AT (847) 705-4153 A MINIMUM OF 72 HOURS PRIOR TO 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.
- TOP OF GRATE ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES/GRATES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- 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 SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION.
- PROPERTIES AND CHANNELS ADJOINING THE SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN ONE (1) CALENDAR DAY FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.
- ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE WORKING CONDITION.
- ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES-MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).

**HIGHWAY STANDARDS**

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET-TYPE A
602402-02	PRECAST MANHOLE TYPE A 5' (1.52 m) DIAMETER
602411-08	PRECAST MANHOLE TYPE A 7' (2.13 m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT TOP SLAB
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS, TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604031-03	GRATE TYPE 7
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
635001-02	DELINEATORS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE USES	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (OMP)
SHOULDER RECONSTRUCTION (HMA SHOULDERS, 8")	HMA SURFACE COURSE, MIX "D", N70, (IL 9.5 mm); 2"	4% @ 70 GYR.	QC/OA
	HMA BINDER COURSE, IL-19.0, N70, 6"	4% @ 70 GYR.	QC/OA
DRIVEWAYS	HMA SURFACE COURSE, MIX "D", N50, (IL-9.5 mm); 2"	4% @ 50 GYR.	QC/OA
	HMA BASE COURSE, (HMA BINDER IL-19 mm); PE - 6"	4% @ 50 GYR.	QC/OA
PATCHING	CLASS D PATCHES (HMA BINDER IL-19.0 mm)	4% @ 70 GYR	QC/OA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA)			

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 DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES  
VARIOUS LOCATIONS**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	2
CONTRACT NO. 62H33				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

\* COOK, DUPAGE, & LAKE

MODEL: Default  
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SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		URBAN	0004 SCRANTON AVE. (LOCATION #1)	0004 I-290 (LOCATION #2)	0004 IL 19 (LOCATION #3)	0004 US 14 (LOCATION #4)
20200100	EARTH EXCAVATION	CU YD	7					7
20800150	TRENCH BACKFILL	CU YD	199		7	13		179
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	128			2		126
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	250				250	
25000210	SEEDING, CLASS 2A	ACRE	0.1				0.1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	11				9	2
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	11				9	2
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	11				9	2
25100630	EROSION CONTROL BLANKET	SO YD	250				250	
25200110	SODDING, SALT TOLERANT	SO YD	128			2		126
28000400	PERIMETER EROSION BARRIER	FOOT	145				145	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	22		22			
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	19					19
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	3					3
* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		URBAN	0004 SCRANTON AVE. (LOCATION #1)	0004 I-290 (LOCATION #2)	0004 IL 19 (LOCATION #3)	0004 US 14 (LOCATION #4)
42001300	PROTECTIVE COAT	SO YD	33					3
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	5					5
44000100	PAVEMENT REMOVAL	SO YD	13					13
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	19					19
44000600	SIDEWALK REMOVAL	SO FT	5					5
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SO YD	22		22			
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	16	16				
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SO YD	7					7
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SO YD	25			25		
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SO YD	40			40		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	13					13
54248510	CONCRETE COLLAR	CU YD	0.5		0.5			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	175					175
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	4					4
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	365			90		275

REV. - MS

\* COOK, DUPAGE, & LAKE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		URBAN	0004 SCRANTON AVE. (LOCATION #1)	0004 I-290 (LOCATION #2)	0004 IL 19 (LOCATION #3)	0004 US 14 (LOCATION #4)
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	32		20			12
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	16				16	
55100700	STORM SEWER REMOVAL 15"	FOOT	20		20			
55101300	STORM SEWER REMOVAL 27"	FOOT	16				16	
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4			1		3
60200305	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1			1		
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1					1
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2					2
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1			1		
60402110	GRATES, TYPE 7	EACH	1				1	
60500060	REMOVING INLETS	EACH	1			1		
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	390		390			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	386		49	26	24	287
* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		URBAN	0004 SCRANTON AVE. (LOCATION #1)	0004 I-290 (LOCATION #2)	0004 IL 19 (LOCATION #3)	0004 US 14 (LOCATION #4)
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4		1	1	1	1
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1		0.25	0.25	0.25	0.25
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	15		3	3	3	6
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1		0.25	0.25	0.25	0.25
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	1.2	1.2	1.2	1.2	1.2
67100100	MOBILIZATION	L SUM	1	0.2	0.2	0.2	0.2	0.2
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1			0.4	0.3	0.3
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1			0.4	0.3	0.3
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1			0.4	0.3	0.3
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42		42			
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	4096		4096			
70300905	PAVEMENT MARKING TAPE, TYPE IV 5"	FOOT	1280		1280			

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 URBAN	0004 SCRANTON AVE. (LOCATION #1)	0004 I-290 (LOCATION #2)	0004 IL 19 (LOCATION #3)	0004 US 14 (LOCATION #4)
70300908	PAVEMENT MARKING TAPE, TYPE IV 8"	FOOT	2399		2399			
70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	109		109			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	675		675			
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2		2			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1410		1330	20		60
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1014		1014			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	695		695			
* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	538		538			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	226		222	4		
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	56		56			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	226		222	4		
X0327649	SOIL RETENTION SYSTEM	SO FT	312		312			
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	3808		3808			
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	113		113			* SPECIALTY ITEMS

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 URBAN	0004 SCRANTON AVE. (LOCATION #1)	0004 I-290 (LOCATION #2)	0004 IL 19 (LOCATION #3)	0004 US 14 (LOCATION #4)
X5538300	STORM SEWERS TO BE CLEANED 27"	FOOT	362				362	
X6020090	MANHOLES, WITH RESTRICTOR PLATE	EACH	1				1	
X6061700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)	FOOT	150					150
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1		1			
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	21		21			
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	3611		3611			
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	36		36			
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	10			10		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		0.25	0.25	0.25	0.25
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	179.9	51.4		51.4	25.7	51.4
Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	1		1			
X1200222	STORM SEWER LINING, 15" DIAMETER	FOOT	36	36				
X1200223	STORM SEWER LINING, 24" DIAMETER	FOOT	493	493				

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	PLOT DATE = 4/1/2019	DATE -	REVISED -

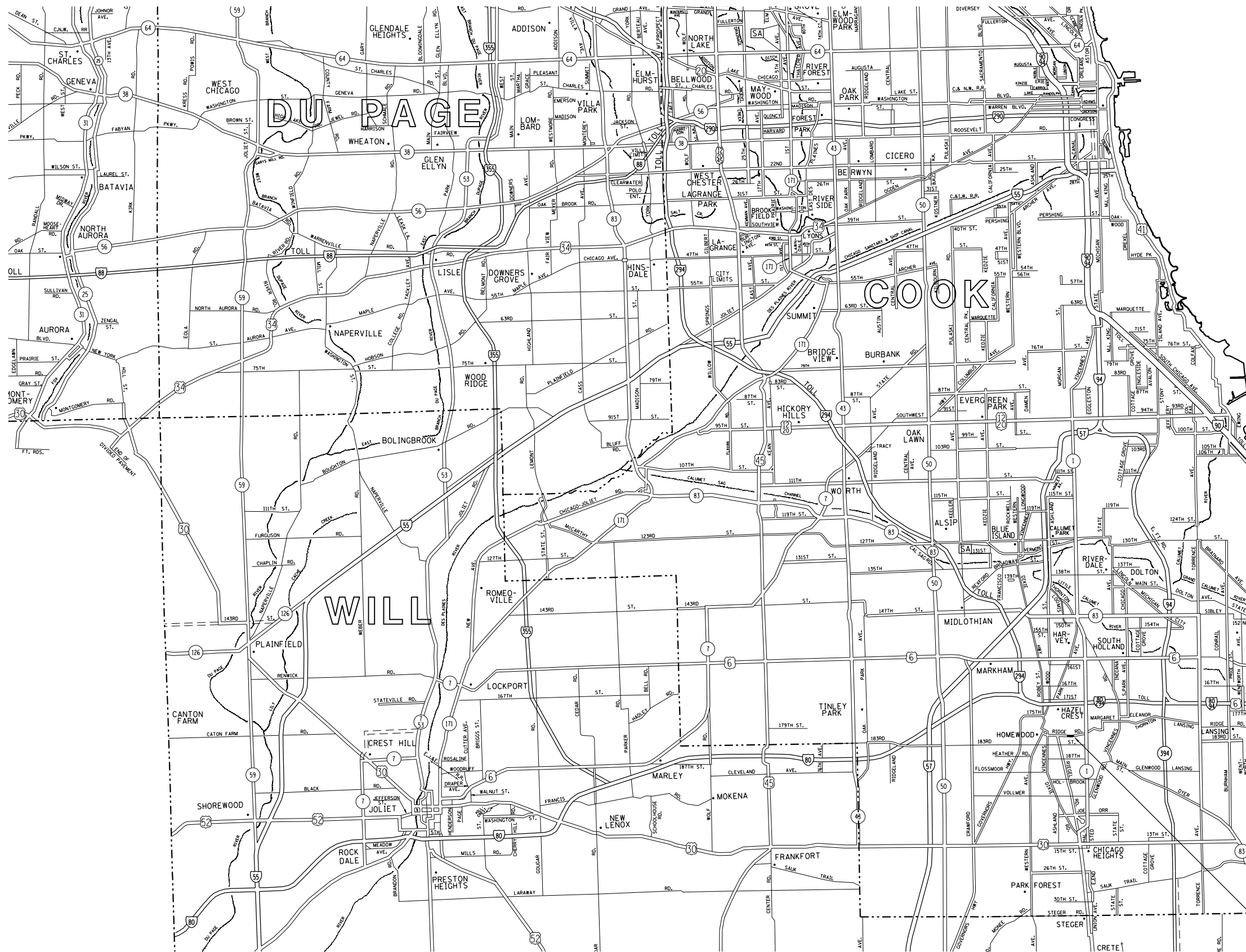
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES VARIOUS LOCATIONS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	5
CONTRACT NO. 62H33				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

REV. - MS  
\* COOK, DUPAGE, & LAKE





LOCATION 5:  
RIDGE RD.

MODEL: Default  
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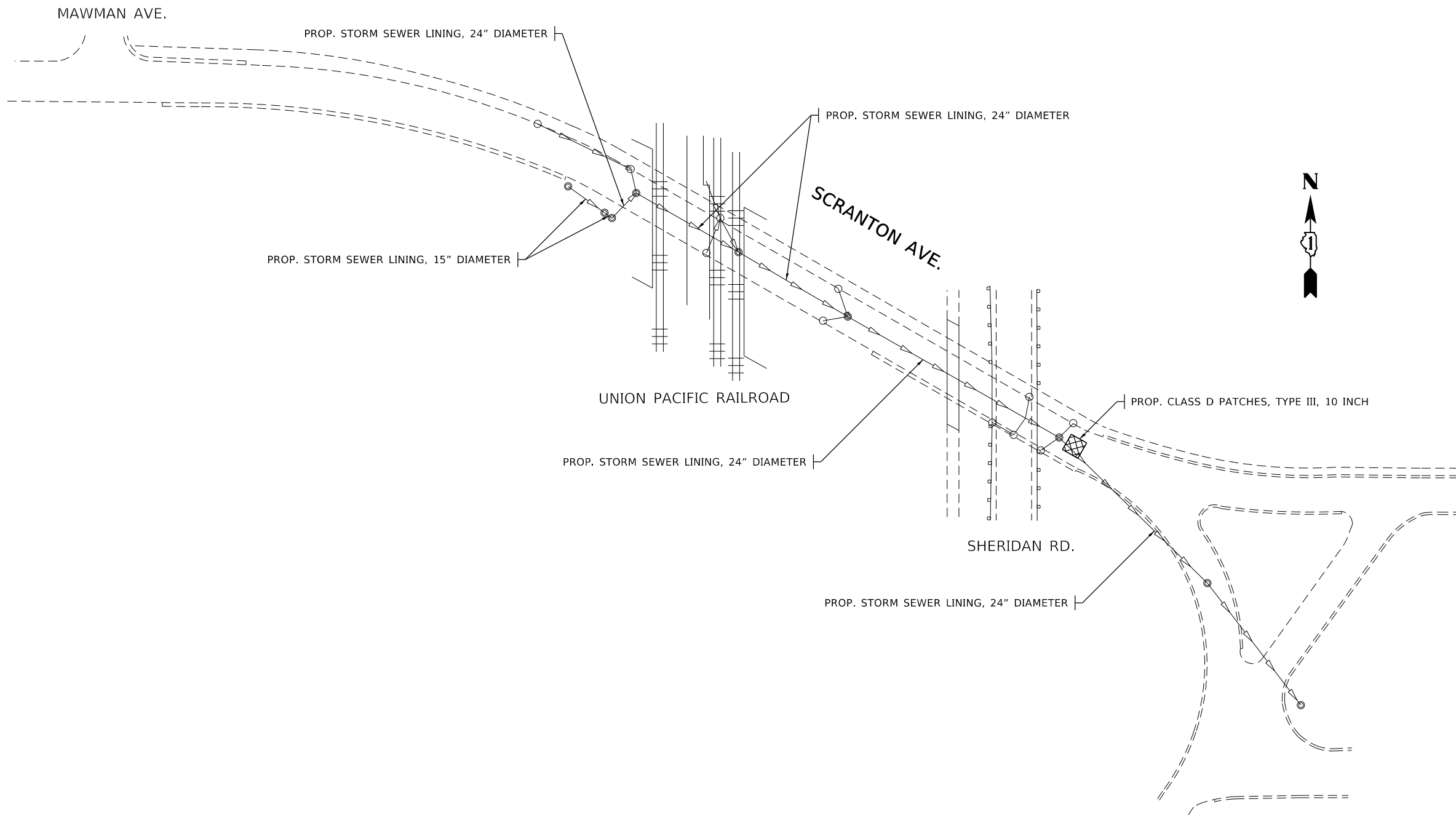
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PLOT DATE = 4/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GENERAL LOCATION MAP VARIOUS LOCATIONS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	7
CONTRACT NO. 62H33				
ILLINOIS FED. AID PROJECT				

\* COOK, DUPAGE, & LAKE



MODEL: Default  
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\* COOK, DUPAGE, & LAKE

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PLOT DATE = 4/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCRANTON AVE. - DRAINAGE PLAN  
 VARIOUS LOCATIONS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	8
CONTRACT NO. 62H33			ILLINOIS FED. AID PROJECT	



## MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE MAINTENANCE OF TRAFFIC CONTROL PLANS SHALL PROVIDE THE CONTRACTOR AN ACCEPTED METHOD OF TEMPORARY TRAFFIC CONFIGURATION DURING THE LENGTH OF THIS CONTRACT. IN THE CASE THE CONTRACTOR MAY REQUIRE A MODIFICATION TO THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS, THE CONTRACTOR SHALL PROVIDE DETAILED PLANS AND/OR REVISIONS 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES. ANY MODIFICATIONS SHALL NOT INCONVENIENCE THE TRAVELING PUBLIC WITH SIGNIFICANT DELAYS OR LANE CLOSURES.
2. THE CONTRACTOR SHALL MAKE ANY MODIFICATIONS TO THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS IN THE CASE THE TRAFFIC CONDITIONS, WEATHER, VEHICULAR ACCIDENTS, OR ANY OTHER UNFORESEEN CONDITIONS REQUIRE ON-SITE ACTIONS FOR THE TRAVELING PUBLIC. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES OF NOTIFICATION BY THE ENGINEER.
3. THE CONTRACTOR SHALL REMOVE ANY EXISTING CONFLICTING PAVEMENT MARKINGS THAT ARE TO BE REPLACED WITH TEMPORARY PAVEMENT MARKINGS AS SHOWN ON THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS. THE REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE PAID FOR AS (X0327980) PAVEMENT MARKING REMOVAL - WATER BLASTING.
4. ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC, AS DETAILED ON PLANS, SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS SPECIFIED IN SECTION 701 OF THE SPECIFICATIONS, AS DIRECTED BY THE ENGINEER, AND BE VISIBLE TO THE TRAVELING PUBLIC AT ALL TIMES.
5. ALL DRUMS, VERTICAL PANELS, AND BARRICADES IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH STEADY MONO-DIRECTIONAL LIGHTS. DRUMS, VERTICAL PANELS, AND BARRICADES SHALL BE PLACED TO ASSURE THE MONO-DIRECTIONAL LIGHTS ARE PLACED ON THE SIDE OF THE TRAVELING PUBLIC.
6. AT THE END OF EACH WORK DAY THE CONTRACTOR SHALL BACKFILL OR COVER ALL EXPOSED TRENCHES AND OPEN EXCAVATION HOLES NOT PROTECTED BY THE TEMPORARY CONCRETE BARRIER IN ORDER TO PROVIDE SAFE CONDITIONS FOR THE TRAVELING PUBLIC.
7. DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL TAKE NECESSARY PRE-CAUTIONS TO AVOID ANY CONSTRUCTION DEBRIS FROM ENCROACHING INTO THE ADJACENT THROUGH LANES.
8. TEMPORARY CONCRETE BARRIER SHALL BE EQUIPPED WITH (78200011) BARRIER WALL REFLECTORS, TYPE C, IN ACCORDANCE WITH HIGHWAY STANDARD 782006 AT 25' CENTERS.
9. THE ENDS OF TEMPORARY CONCRETE BARRIERS AS SHOWN ON THE PLANS SHALL BE ANCHORED TO THE PAVEMENT AS PER IDOT SUPPLEMENTAL SPECIFICATION SECTION 704 REQUIREMENTS AND SHALL BE PAID FOR AS (X7040125) PINNING TEMPORARY CONCRETE BARRIER.
10. LOCATIONS OF CHANGEABLE MESSAGE SIGN (70107025) SHALL BE DETERMINED BY THE ENGINEER.
11. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN, AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR (X7011015) TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
12. ALL "ROAD CONSTRUCTION AHEAD" WARNING SIGNS SHALL BE EQUIPPED WITH HIGH INTENSITY FLASHING LIGHTS.
13. REMOVAL OF TEMPORARY TAPE PAVEMENT MARKINGS SHALL BE PAID FOR AS (X7011015) TEMPORARY PAVEMENT MARKING REMOVAL.
14. THE CONTRACTOR SHALL REQUEST AND GAIN THE APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT [www.idotilcs.com](http://www.idotilcs.com) TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES. PLEASE SEE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION FOR MORE INFORMATION.
15. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THREE (3) WESTBOUND AND THREE (3) EASTBOUND LANES ALONG I-290. IN ADDITION, THE WESTBOUND ENTRANCE AND THE EASTBOUND EXIT RAMP AT THE 25TH AVENUE INTERCHANGE SHALL BE MAINTAINED AS SHOWN ON THE PLANS. THE MINIMUM I-290 MAINLINE LANE WIDTHS SHALL BE 11'-0".

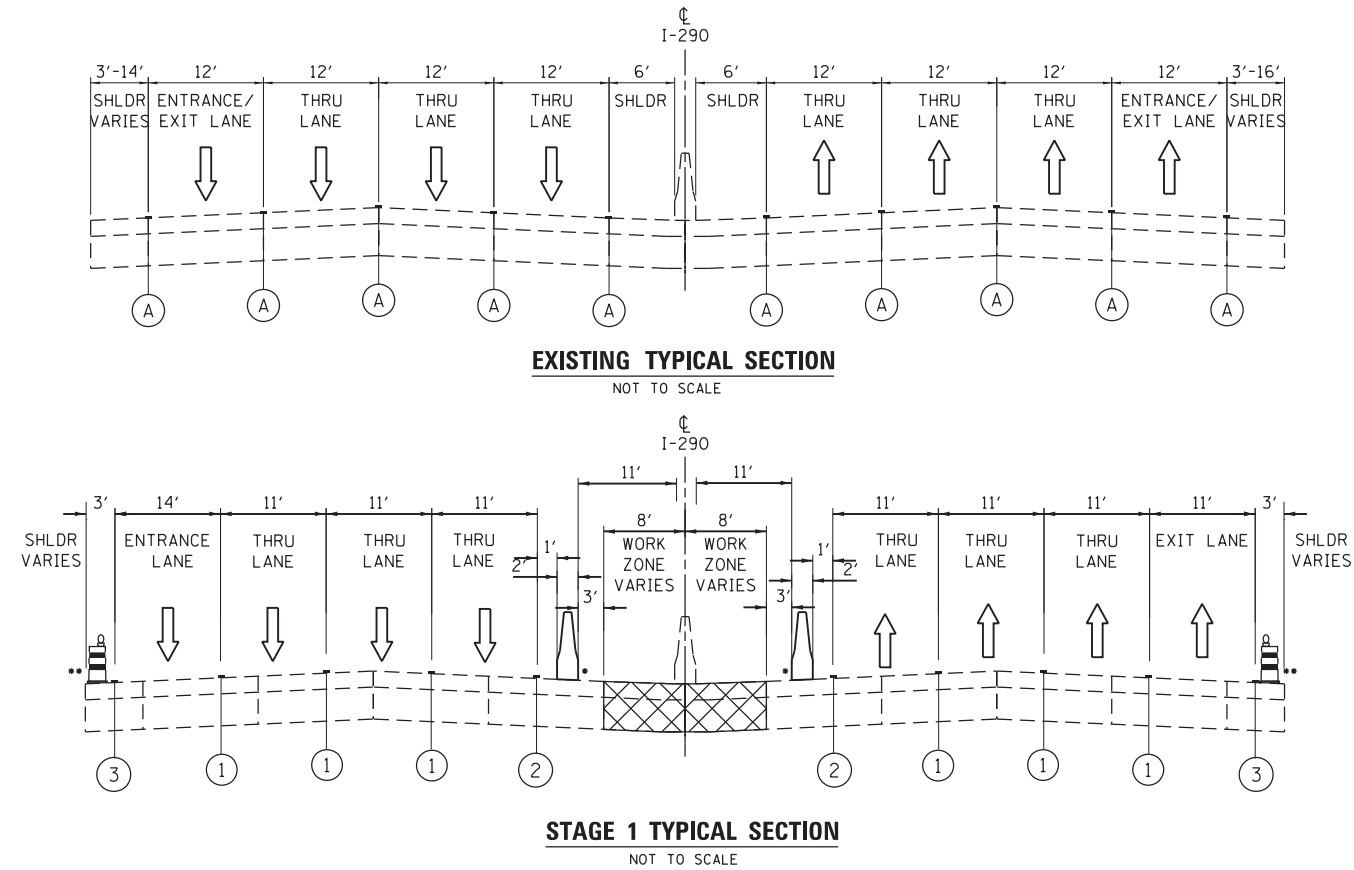
TAPER LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED AS FOLLOWS:

$$L = (W) \times (S)$$

WHERE:

L = TAPER LENGTH (FEET)  
 W = WIDTH OF OFFSET (FEET)  
 S = POSTED SPEED (MPH)

## MAINTENANCE OF TRAFFIC TYPICAL SECTIONS



- TEMPORARY CONCRETE BARRIER SHALL BE PINNED AT THE LOCATIONS AS SHOWN ON THE MOT PLAN AND PER NOTE 9 REQUIREMENTS AND/OR AS DIRECTED BY THE ENGINEER.
- PROVIDE AT THE LANE SHIFT LOCATIONS

## SUGGESTED CONSTRUCTION SEQUENCING

### PRE-STAGE CONSTRUCTION & TRAFFIC

- ERECT ALL TEMPORARY SIGNING REQUIRED DURING STAGED CONSTRUCTION AS SHOWN ON THE PLANS OR/AND DIRECTED BY THE ENGINEER.
- REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN ON THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS PER IDOT STANDARD DRAWINGS.
- SHIFT THE THREE LANES OF THROUGH TRAFFIC ALONG I-290 IN BOTH THE WEST AND EAST DIRECTIONS AS SHOWN IN THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS. CONTINUE TO MAINTAIN THE WESTBOUND ENTRANCE LANE AND THE EASTBOUND EXIT LANE AT THE 25TH AVENUE INTERCHANGE.
- INSTALL TEMPORARY CONCRETE BARRIER AS SHOWN IN PLANS. PIN DOWN BOTH ENDS OF TEMPORARY CONCRETE BARRIER AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER AND INSTALL REFLECTIVE MARKERS AT 25' CENTERS.
- MAINTAIN THREE LANES OF THROUGH TRAFFIC ALONG I-290 IN BOTH THE WEST AND EAST DIRECTIONS. MAINTAIN THE WESTBOUND ENTRANCE LANE AND THE EASTBOUND EXIT LANE AT THE 25TH AVENUE INTERCHANGE.

### STAGE 1 CONSTRUCTION & TRAFFIC

- SAW-CUT EXISTING PAVEMENT AND COMPLETE PROPOSED ROADWAY AND DRAINAGE IMPROVEMENTS AS SHOWN ON THE CONTRACT PLANS.

### POST STAGE CONSTRUCTION & TRAFFIC

- REMOVE TEMPORARY CONCRETE BARRIERS, ATTENUATORS, TEMPORARY PAVEMENT MARKINGS AND TEMPORARY SIGNS.
- SHIFT THE THREE LANES OF THROUGH TRAFFIC ALONG I-290 IN BOTH THE WEST AND EAST DIRECTIONS BACK TO THE EXISTING CONDITIONS WITH THE ORIGINAL LANE WIDTHS.
- INSTALL PERMANENT PAVEMENT MARKINGS AND RUMBLE STRIPS.

## MOT TYPICAL LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHT
- EXISTING PAVEMENT MARKINGS
- PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID, WHITE) (70300904)
- PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID, YELLOW) (70300904)
- PAVEMENT MARKING TAPE, TYPE IV - LINE 8" (SOLID, WHITE) (70300908)

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**SINGH**  
 SINGH + ASSOCIATES INC  
 CONSULTING ENGINEERS

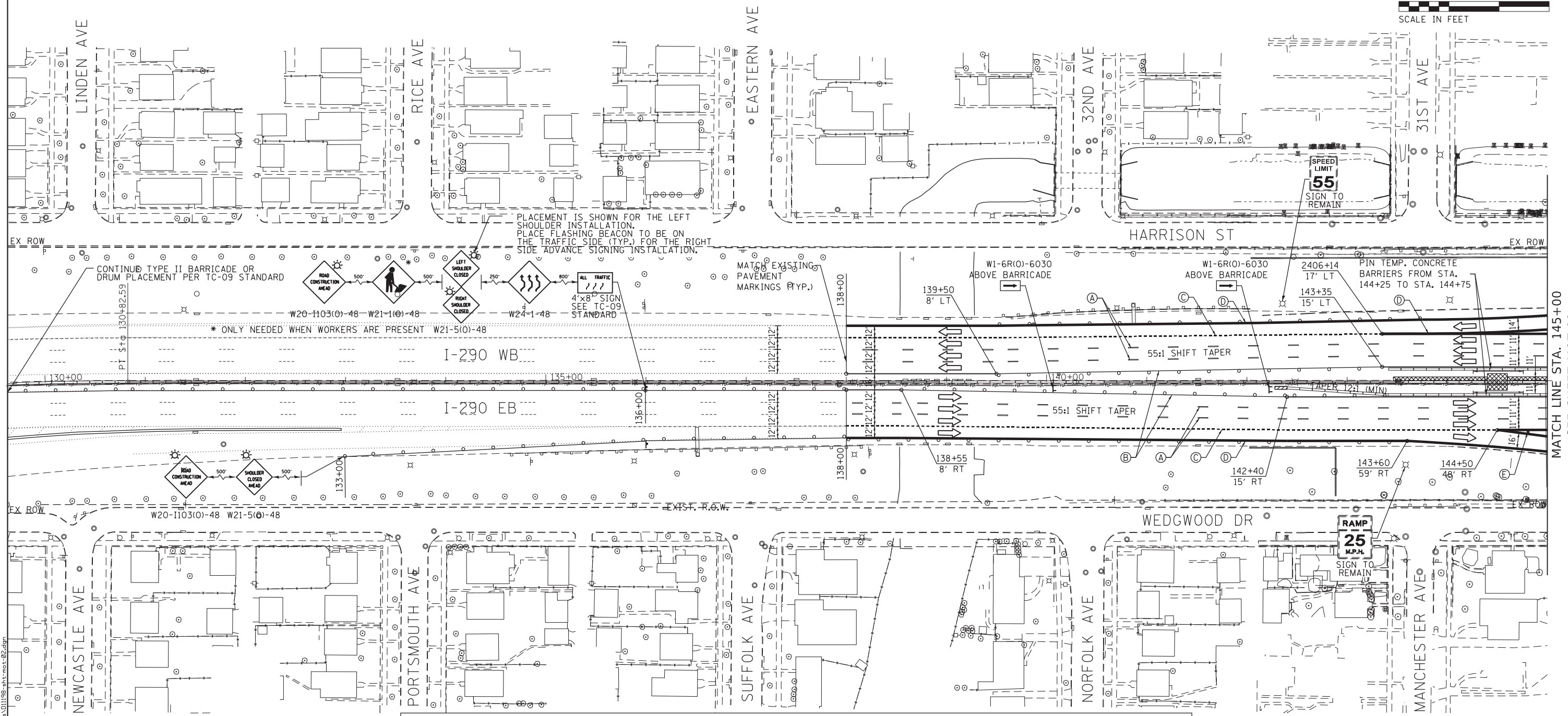
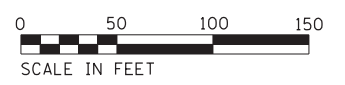
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

I-290 - MAINTENANCE OF TRAFFIC TYPICAL SECTIONS	
VARIOUS LOCATIONS	
SCALE: N.T.S	SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR		35	9
CONTRACT NO. 62H33				
ILLINOIS FED. AID PROJECT				

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PLACEMENT IS SHOWN FOR THE LEFT SHOULDER INSTALLATION. PLACE FLASHING BEACON TO BE ON THE TRAFFIC SIDE (TYP.) FOR THE RIGHT SIDE ADVANCE SIGNING INSTALLATION.

CONTINUOUS TYPE II BARRICADE OR DRUM PLACEMENT PER TC-09 STANDARD

\* ONLY NEEDED WHEN WORKERS ARE PRESENT

MATCH EXISTING PAVEMENT MARKINGS (TYP.)

4'x8' SIGN SEE TC-09 STANDARD

W1-6R(O)-6030 ABOVE BARRICADE

W1-6R(O)-6030 ABOVE BARRICADE

SPEED LIMIT 55 SIGN TO REMAIN

2406+14 17' LT  
143+35 15' LT

PIN TEMP. CONCRETE BARRIERS FROM STA. 144+25 TO STA. 144+75

HARRISON ST

WEDGWOOD DR

RAMP 25 M.P.H. SIGN TO REMAIN

**MOT LEGEND**

- CONSTRUCTION WORK ZONE
- TYPE II BARRICADES OR DRUMS AT 50' C-C
- TEMPORARY CONCRETE BARRIER (70400100)
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3 (70600260))
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- CONSTRUCTION SIGN ON PORTABLE OR TEMPORARY SUPPORT
- EXISTING GROUND MOUNTED SIGN
- EXISTING SIGN PANEL TO REMAIN
- TEMPORARY SIGN PANEL

- (A) PAVEMENT MARKING TAPE, TYPE IV - LINE 5" 10' DASH - 30' SKIP WHITE (70300905)
- (B) PAVEMENT MARKING TAPE, TYPE IV - LINE 4" SOLID YELLOW (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV - LINE 4" 2' DASH - 6' SKIP WHITE (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV - LINE 8" SOLID WHITE (70300908)
- (E) PAVEMENT MARKING TAPE, TYPE IV - LINE 12" SOLID WHITE (70300912)
- (F) PAVEMENT MARKING TAPE, TYPE IV - LINE 4" SOLID WHITE (70300904)

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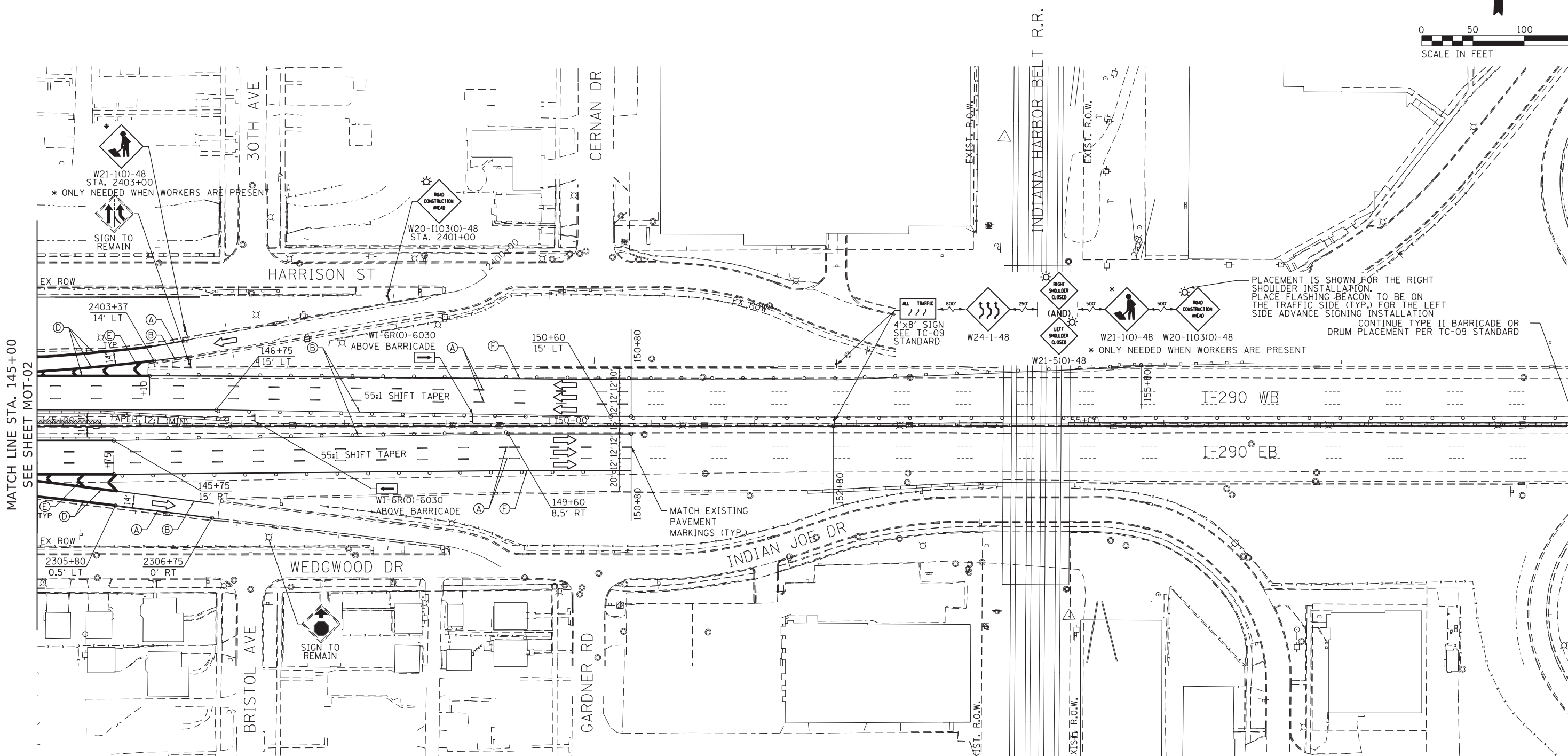
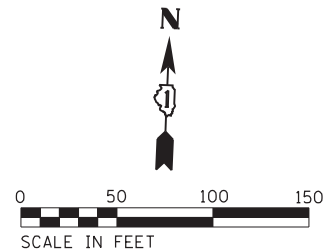
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-290 - MAINTENANCE OF TRAFFIC PLAN			
VARIOUS LOCATIONS			
SCALE: 1"=50'	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR		35	10
CONTRACT NO. 62H33				
ILLINOIS FED. AID PROJECT				

• COOK, DUPAGE, & LAKE

MATCH LINE STA. 145+00  
SEE SHEET MOT-03



MATCH LINE STA. 145+00  
SEE SHEET MOT-02

**MOT LEGEND**

- |  |  |   |
|--|--|---|
| CONSTRUCTION WORK ZONE   | TYPE III BARRICADE                                 | PAVEMENT MARKING TAPE, TYPE IV - LINE 5" 10' DASH - 30' SKIP WHITE (70300905) |
| TYPE II BARRICADES OR DRUMS AT 50' C-C   | CONSTRUCTION SIGN ON PORTABLE OR TEMPORARY SUPPORT | PAVEMENT MARKING TAPE, TYPE IV - LINE 4" SOLID YELLOW (70300904)              |
| TEMPORARY CONCRETE BARRIER (70400100)  | EXISTING GROUND MOUNTED SIGN                       | PAVEMENT MARKING TAPE, TYPE IV - LINE 4" 2' DASH - 6' SKIP WHITE (70300904)   |
| IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3 (70600260) | EXISTING SIGN PANEL TO REMAIN                      | PAVEMENT MARKING TAPE, TYPE IV - LINE 8" SOLID WHITE (70300908)               |
| DIRECTION OF TRAFFIC   | TEMPORARY SIGN PANEL                               | PAVEMENT MARKING TAPE, TYPE IV - LINE 12" SOLID WHITE (70300912)              |
|  |  | PAVEMENT MARKING TAPE, TYPE IV - LINE 4" SOLID WHITE (70300904)               |



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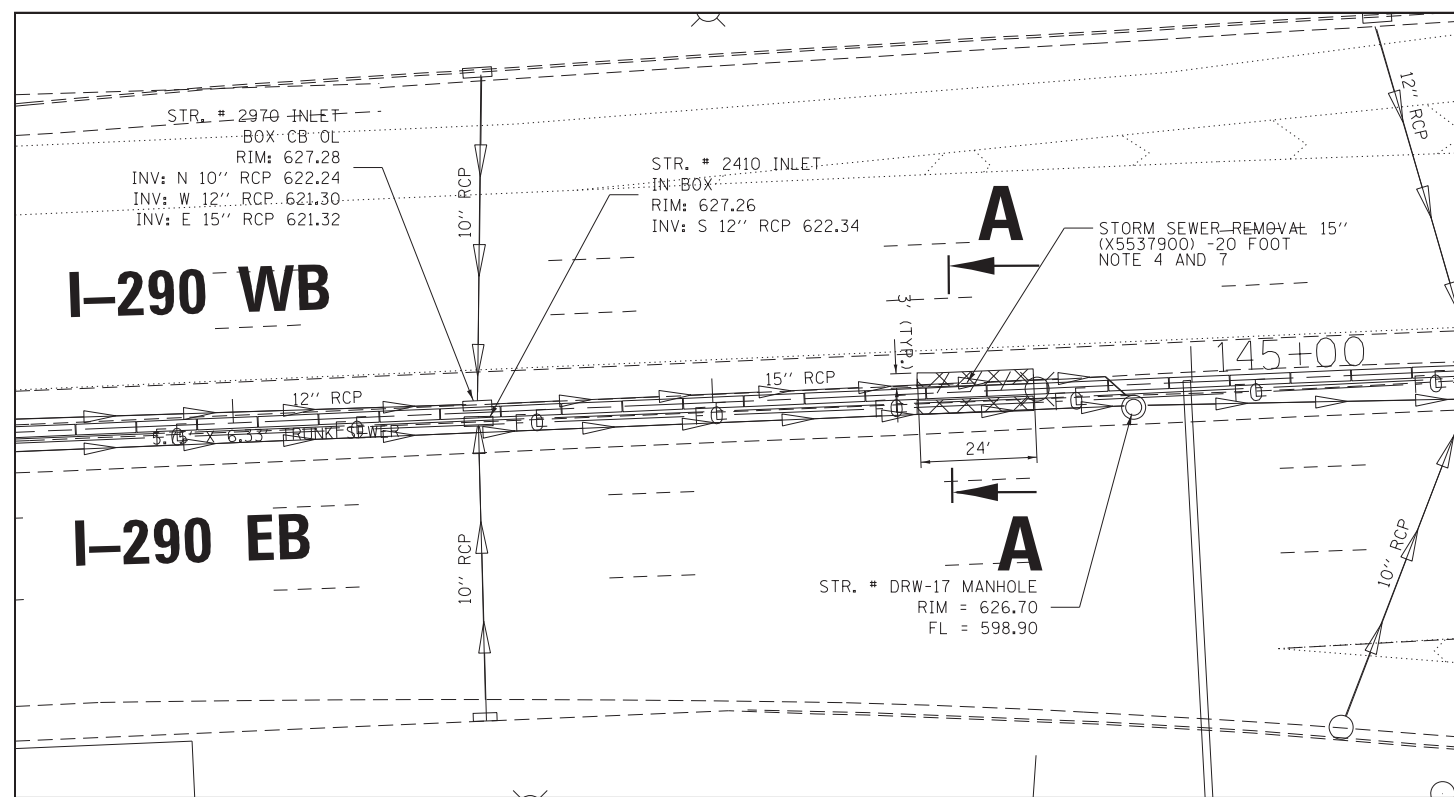
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>I-290 - MAINTENANCE OF TRAFFIC PLAN VARIOUS LOCATIONS</b>			
SCALE: 1"=50'	SHEET 3	OF 3 SHEETS	STA. TO STA.

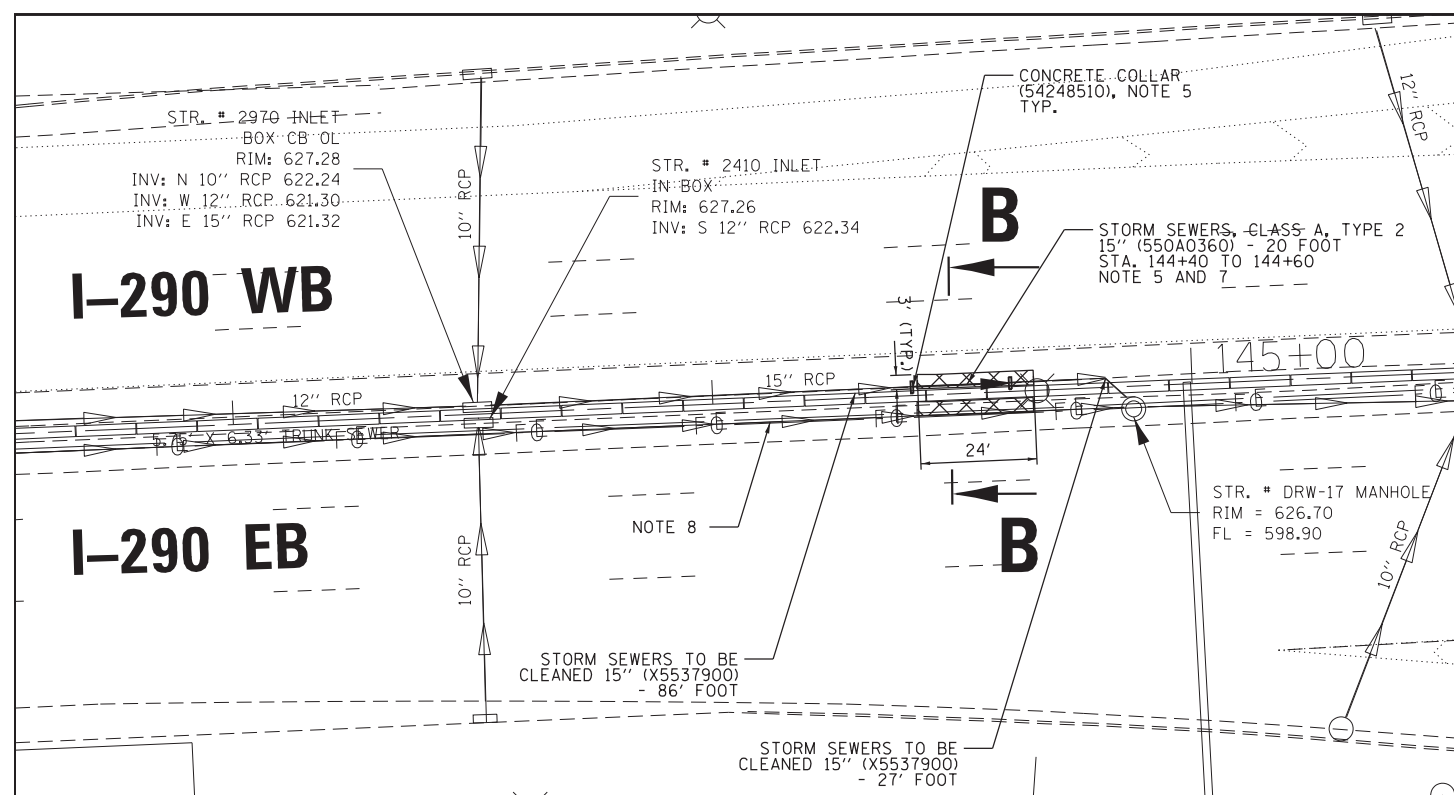
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VAR.	2018-083-DR		35	11
CONTRACT NO. 62H33				
ILLINOIS FED. AID PROJECT				

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• COOK, DUPAGE, & LAKE



**EXISTING PLAN**



**PROPOSED PLAN**

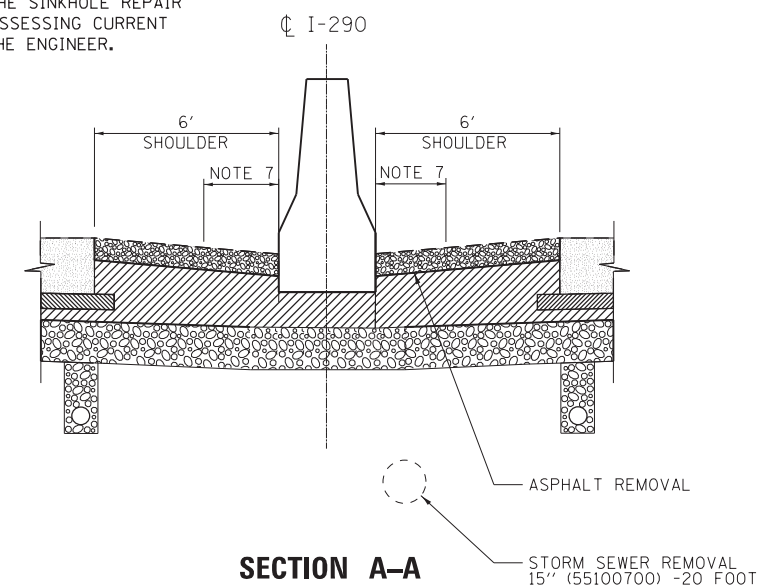


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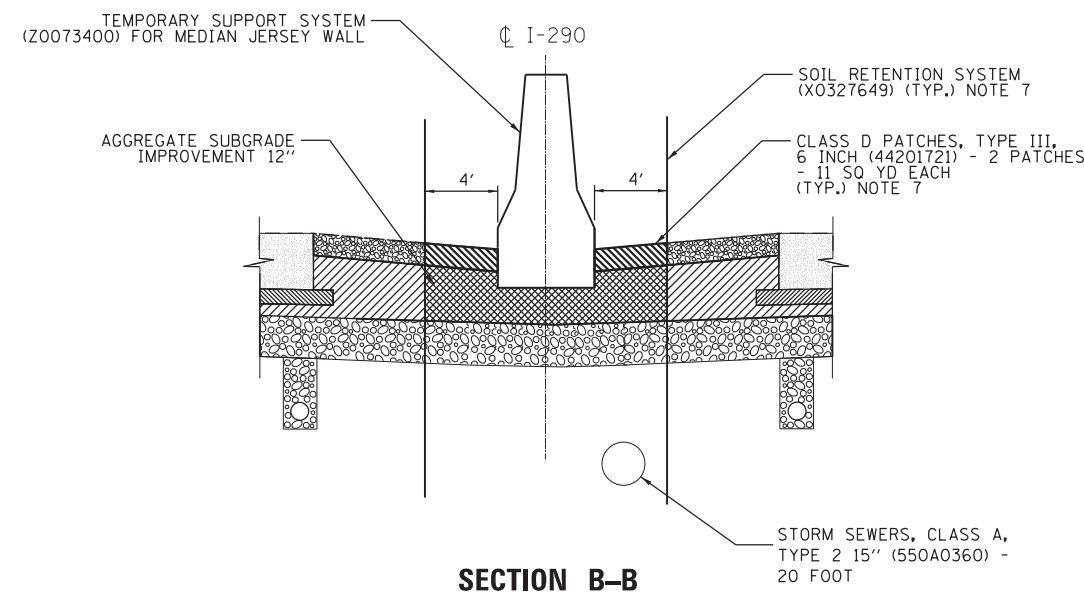
1. SAW CUT AND REMOVE EXISTING ASPHALT PAVEMENT ON BOTH SIDES OF THE MEDIAN BARRIER. COST OF ASPHALT PAVEMENT REMOVAL IS INCLUDED IN THE COST OF CLASS D PATCHES, TYPE III, 6 INCH (44201721) AND WILL NOT BE PAID FOR SEPARATELY.
2. EXCAVATE AROUND THE 15" SEWER PIPE SEGMENT TO BE REPLACED AND INSTALL SOIL RETENTION SYSTEM TO STABILIZE THE PERIMETER OF THE EXCAVATED AREA.
3. INSTALL TEMPORARY SUPPORT SYSTEM TO SUPPORT EXISTING CONCRETE MEDIAN JERSEY WALL, LIGHT POLE AND LIGHT POLE FOUNDATION DURING THE SINKHOLE WORK REPAIR DURATION.
4. REMOVE EXISTING 15" RCP DAMAGED PIPE SEGMENT AND CLEAN EXISTING 15" RCP SEWER UPSTREAM AND DOWNSTREAM UP TO THE NEAREST DRAINAGE STRUCTURE.
5. INSTALL THE NEW 15" RCP PIPE SEGMENT. CONNECT PROPOSED SEWER TO THE EXISTING EXPOSED SEWER PIPE ENDS BY CONSTRUCTING CONCRETE COLLARS. SEE COLLAR DETAIL ON ROADWAY AND DRAINAGE PLAN SHEET 2 OF 2. MATCH EXISTING INVERT ELEVATIONS, WHILE MAINTAINING POSITIVE DRAINAGE SLOPE.
6. BACK FILL THE TRENCH AND INSTALL AGGREGATE SUBGRADE. RE-USE THE EXCAVATED TRENCH MATERIAL AS MUCH AS POSSIBLE BY CONSULTING WITH THE ENGINEER.
7. SOIL RETENTION, STORM SEWER, SHOULDER AND OTHER WORK ITEM EXACT REMOVAL AND INSTALLATION LIMITS AND THE CORRESPONDING QUANTITIES REQUIRED FOR THE SINKHOLE REPAIR WORK TO BE DETERMINED IN THE FIELD BY ASSESSING CURRENT SINKHOLE CONDITION AND AS DIRECTED BY THE ENGINEER.
8. DEEP STORM SEWER TRUNK LINE IS NOT SHOWN IN THE SECTION VIEW AND SHOULD NOT BE IMPACTED BY THE CONSTRUCTION ACTIVITIES.

**LEGEND**

- ASPHALT REMOVAL
- CLASS D PATCHES, TYPE III, 6 INCH (44201721)
- STORM SEWER REMOVAL
- EXISTING STORM SEWER
- PROPOSED STORM SEWER



**SECTION A-A**



**SECTION B-B**

• COOK, DUPAGE, & LAKE



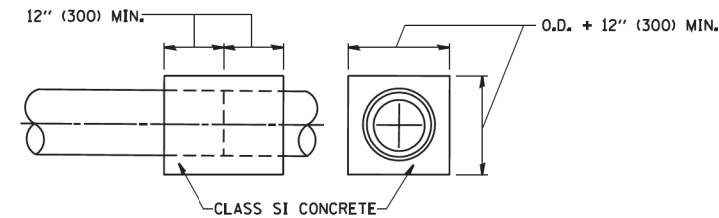
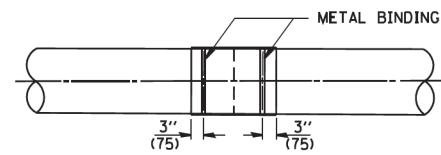
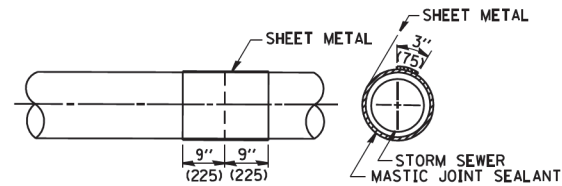
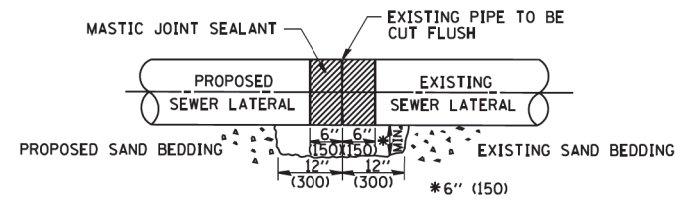
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-290 - ROADWAY AND DRAINAGE PLAN  
VARIOUS LOCATIONS**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR		35	12
CONTRACT NO. 62H33				
ILLINOIS FED. AID PROJECT				



**DETAIL "B"**  
CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

**NOTES**

**GENERAL**

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

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• COOK, DUPAGE, & LAKE



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-290 - ROADWAY AND DRAINAGE PLAN  
VARIOUS LOCATIONS

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR		35	13
			CONTRACT NO. 62H33	
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 1 290	1984- 007-R	COOK	152	88
DESIGNED BY	DRAWN BY	CHECKED BY	DATE	PROJECT

# FOR INFORMATION ONLY

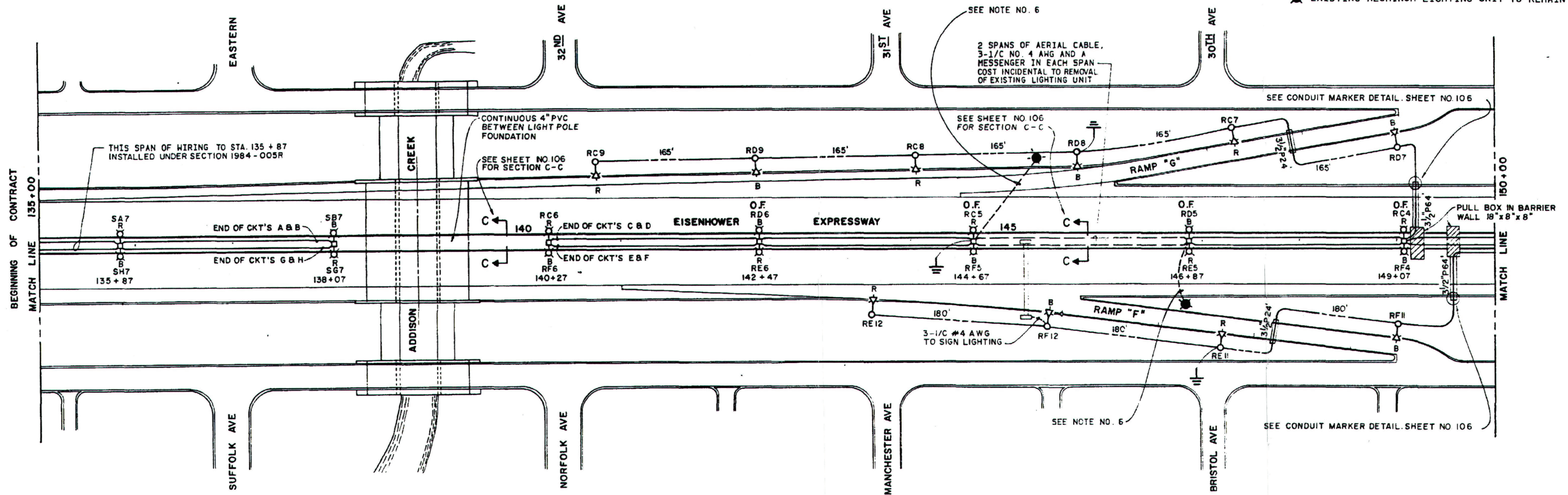
LIMITED SCOPE OF WORK FOR SECTION 1984-007-R SHALL CONSIST OF:

1. PERFORM ALL WORK INDICATED IN THE MEDIAN.
2. PUSH RIGID STEEL CONDUIT UNDER EXISTING MAINLINE ROADWAY.
3. NO CABLE-DUCT SHALL BE INSTALLED FROM THE MEDIAN TO THE RAMPS.
4. NO WORK SHALL BE PERFORMED ON THE RAMPS.
5. REMOVE EXISTING LIGHTING UNITS FROM MAINLINE.
6. INSTALL 3-1/2 NO. 4 AERIAL CABLES TO ENERGIZE EXISTING RAMP LIGHTING. COST INCIDENTAL TO REMOVAL OF EXISTING LIGHTING UNIT.



**LEGEND**

■ EXISTING ALUMINUM LIGHTING UNIT TO REMAIN

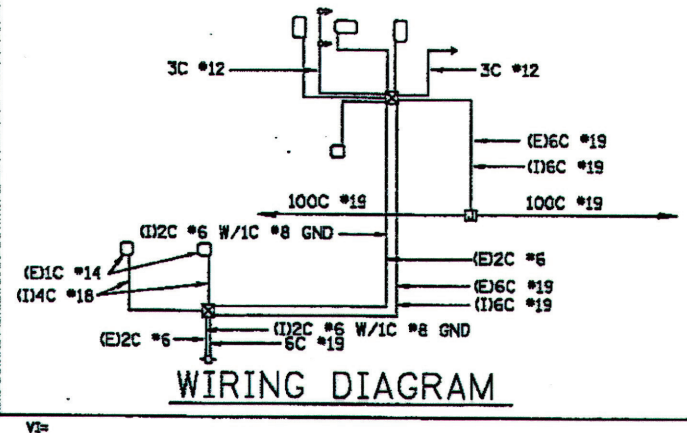
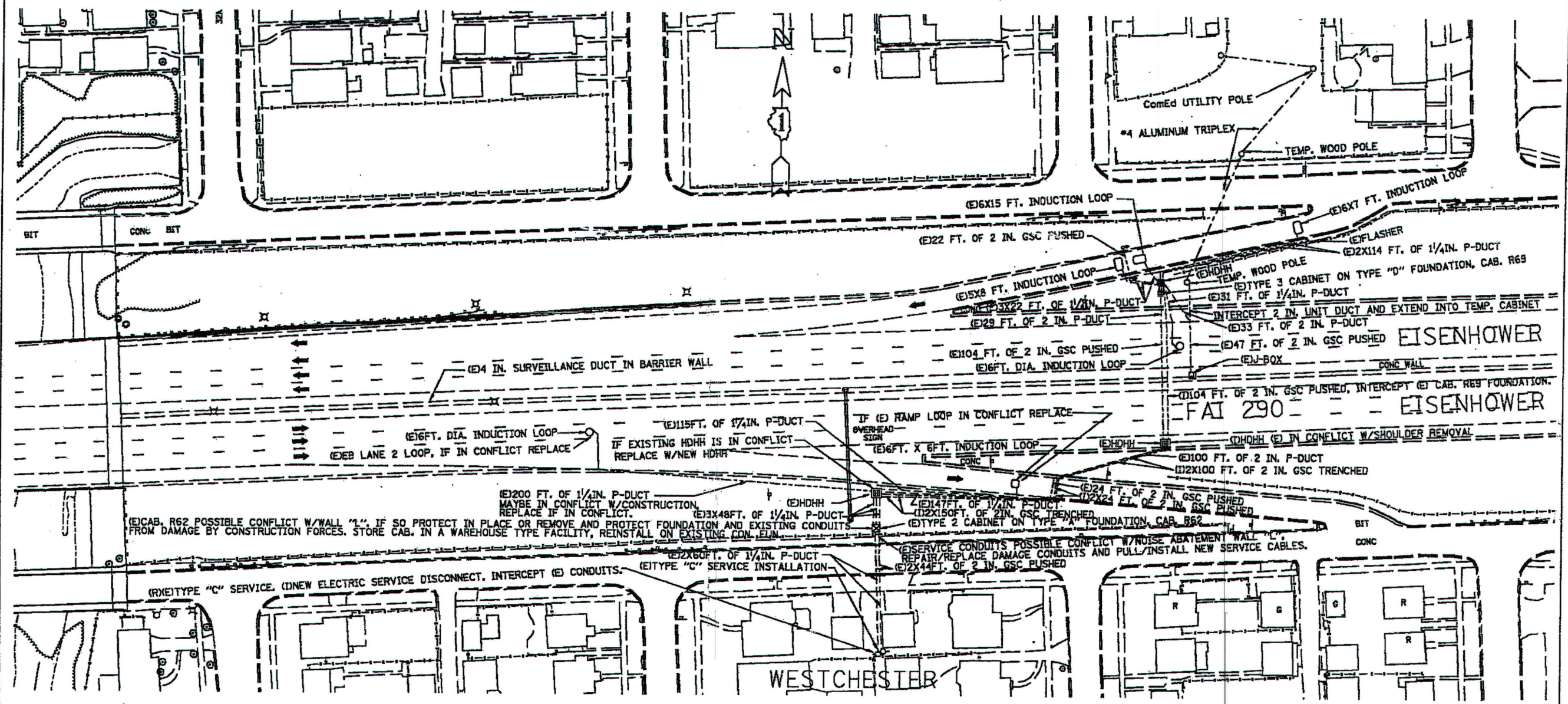


O.F. - PROBABLE LOCATIONS OF OFFSET FOUNDATIONS. FINAL DETERMINATION OF "O.F." WILL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE	EISENHOWER EXPRESSWAY FA 1 ROUTE 290 REHABILITATION PROJECT
<b>PROPOSED IMPROVEMENT LIGHTING PLAN</b> STA. 135 + 00 - STA. 150 + 00	
MEDONOUGH ENGINEERING INC. ENGINEERING CONSULTANTS	DESIGNED BY E.K. CHECKED BY E.K. DRAWN BY E.K.
SCALE 1" = 50'	

# FOR INFORMATION ONLY

PAGE 557 B ADDED		PA. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
		STA.	TO STA.		
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



SYMBOL	LEGEND
[Symbol]	INDUCTION LOOP
[Symbol]	ROUND INDUCTION LOOP
[Symbol]	TSC CABINET
[Symbol]	TELEPHONE SERVICE
[Symbol]	SERVICE INSTALLATION
[Symbol]	JUNCTION BOX
[Symbol]	HEAVY DUTY HAND HOLE
[Symbol]	POLYETHYLENE DUCT
[Symbol]	GALVANIZED STEEL CONDUIT
[Symbol]	EXISTING
[Symbol]	PROPOSED
[Symbol]	INSTALL
[Symbol]	FLASHER

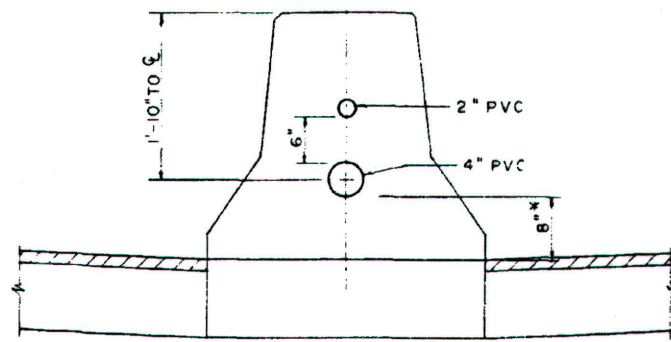
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NAME	DATE	
		SCALE: DRAWN BY G.M. DATE MARCH-14-2001 CHECKED BY R.L.

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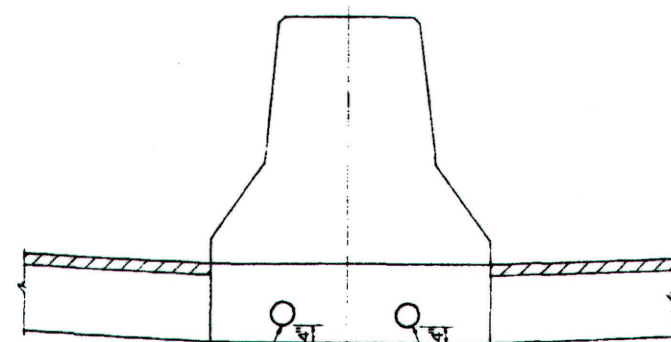
TRAFFIC SYSTEMS CENTER

# FOR INFORMATION ONLY

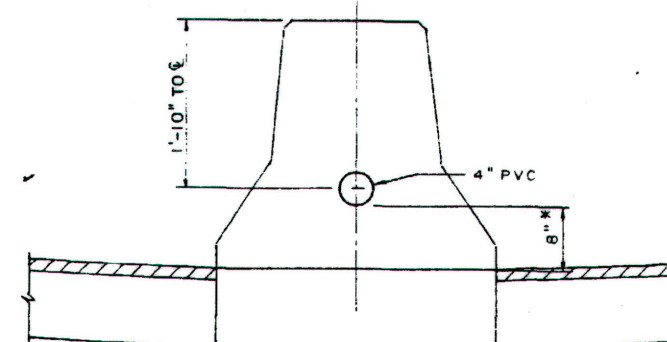
DRAWING NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 290	1984-007-R	COOK	152	106
FOR ROAD DIST. NO. 7		ILLINOIS	FOR AID PROJECT	



SECTION A-A



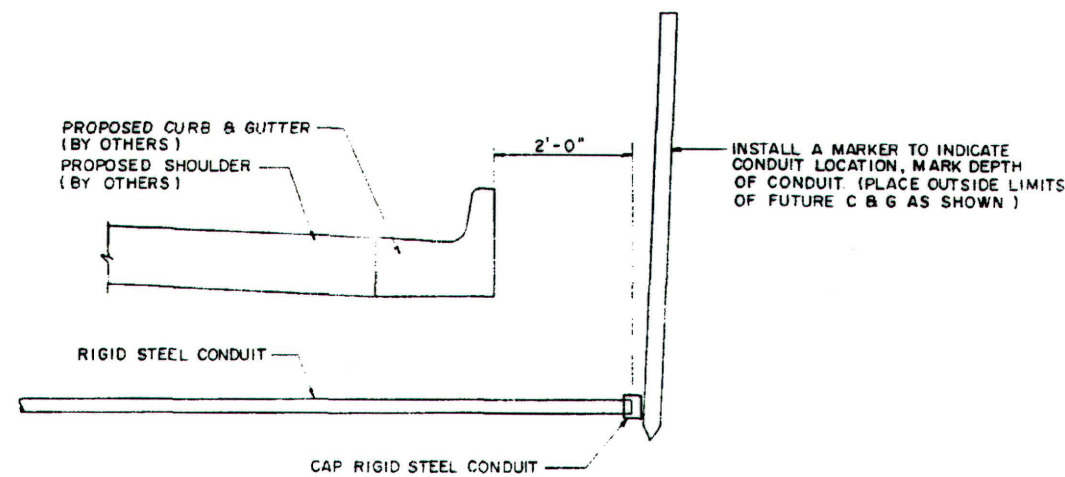
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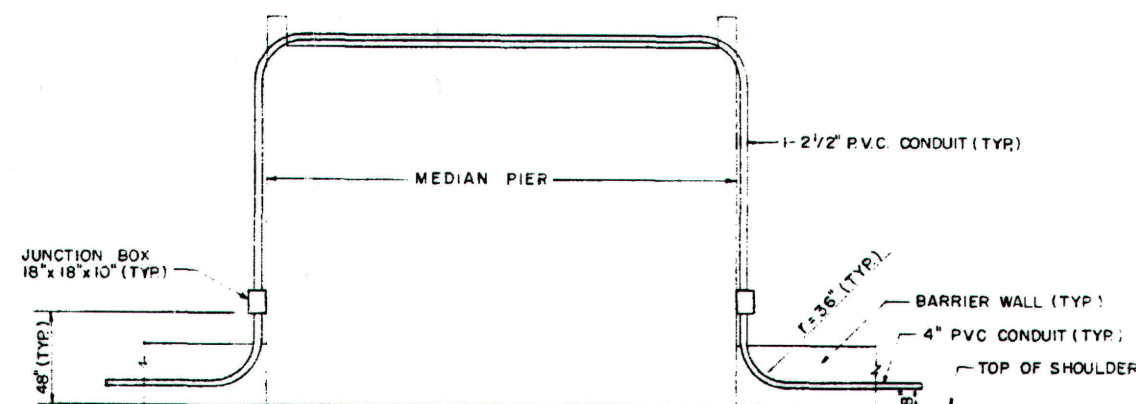
SECTION C-C

\* ABOVE P.G.L.  
 // FINAL SHOULDER LIFT (BY OTHERS)

NOTE: FOR SURVEILLANCE DUCT NOT SHOWN IN SECTION A-A AND C-C, REFER TO BARRIER WALL DETAILS.



CONDUIT MARKER DETAIL



## CONDUIT CROSSING AT MEDIAN PIER

TYPICAL FOR: 5TH AVE. BRIDGE  
 17TH AVE. BRIDGE  
 25TH AVE. BRIDGE  
 I.H.B. R.R. BRIDGE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE	EISENHOWER EXPRESSWAY F.A.I. ROUTE 290 REHABILITATION PROJECT
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## LIGHTING DETAILS

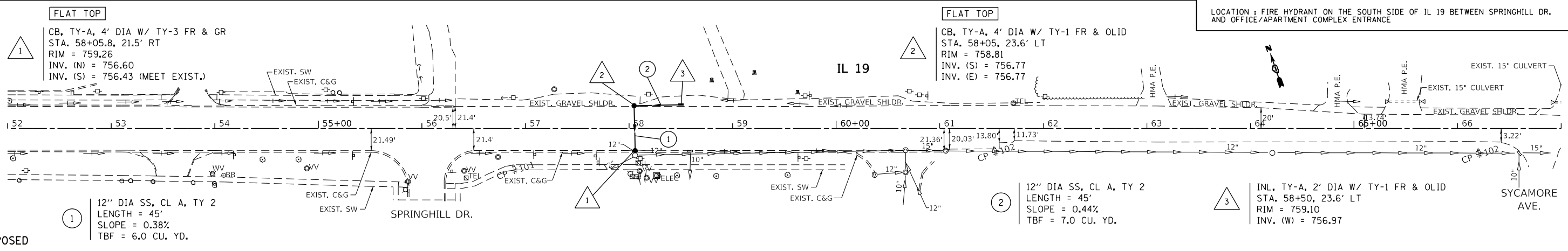
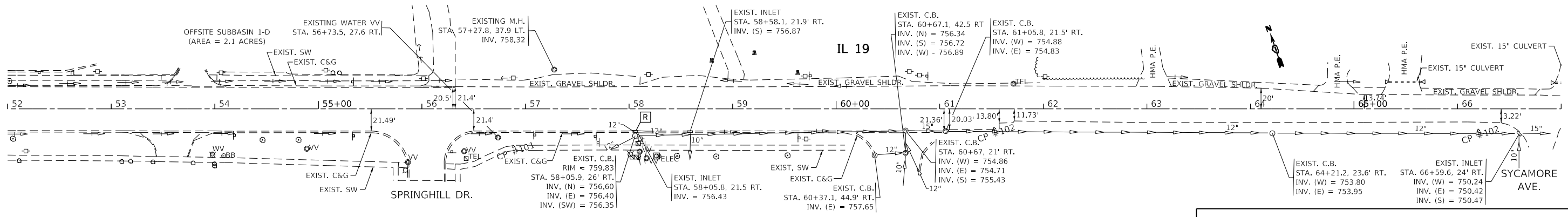
McDONOUGH ENGINEERING INC ENGINEERING CONSULTANTS	DESIGNED BY N.J.L. CHECKED BY N.J.L. DRAWN BY J.T.F.	SCALE NO SCALE
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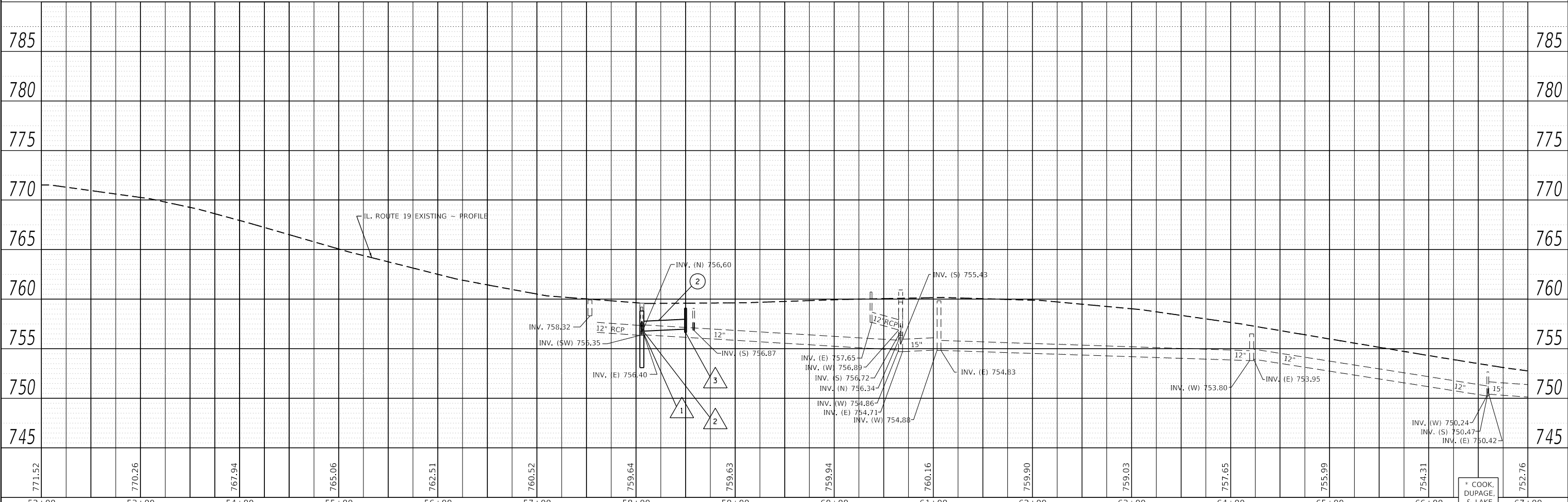
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BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNMENT CHECKED
	NOTE BOOK
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	FILE NAME
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	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	NOTE BOOK
	NO.
	FILE NAME
	CADD FILE NAME
	NO.

MODEL: Default  
 FILE NAME: p:\illinois\proj\illinois\gov\p\w\DOT\Documents\DOT Offices\District 1\Projects\102719\102719-10-drain.dgn



REFERENCE BENCHMARK ELEV 762.23  
 BENCHMARK : CUT 'X' ON SOUTHWESTERLY FLANGE BOLT OF FIRE HYDRANT  
 LOCATION : FIRE HYDRANT ON THE SOUTH SIDE OF IL 19 BETWEEN SPRINGHILL DR. AND OFFICE/APARTMENT COMPLEX ENTRANCE



USER NAME = tariqfm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/1/2019	DATE -	REVISED -

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

**IL 19 - DRAINAGE PLAN & PROFILE**  
**VARIOUS LOCATIONS**

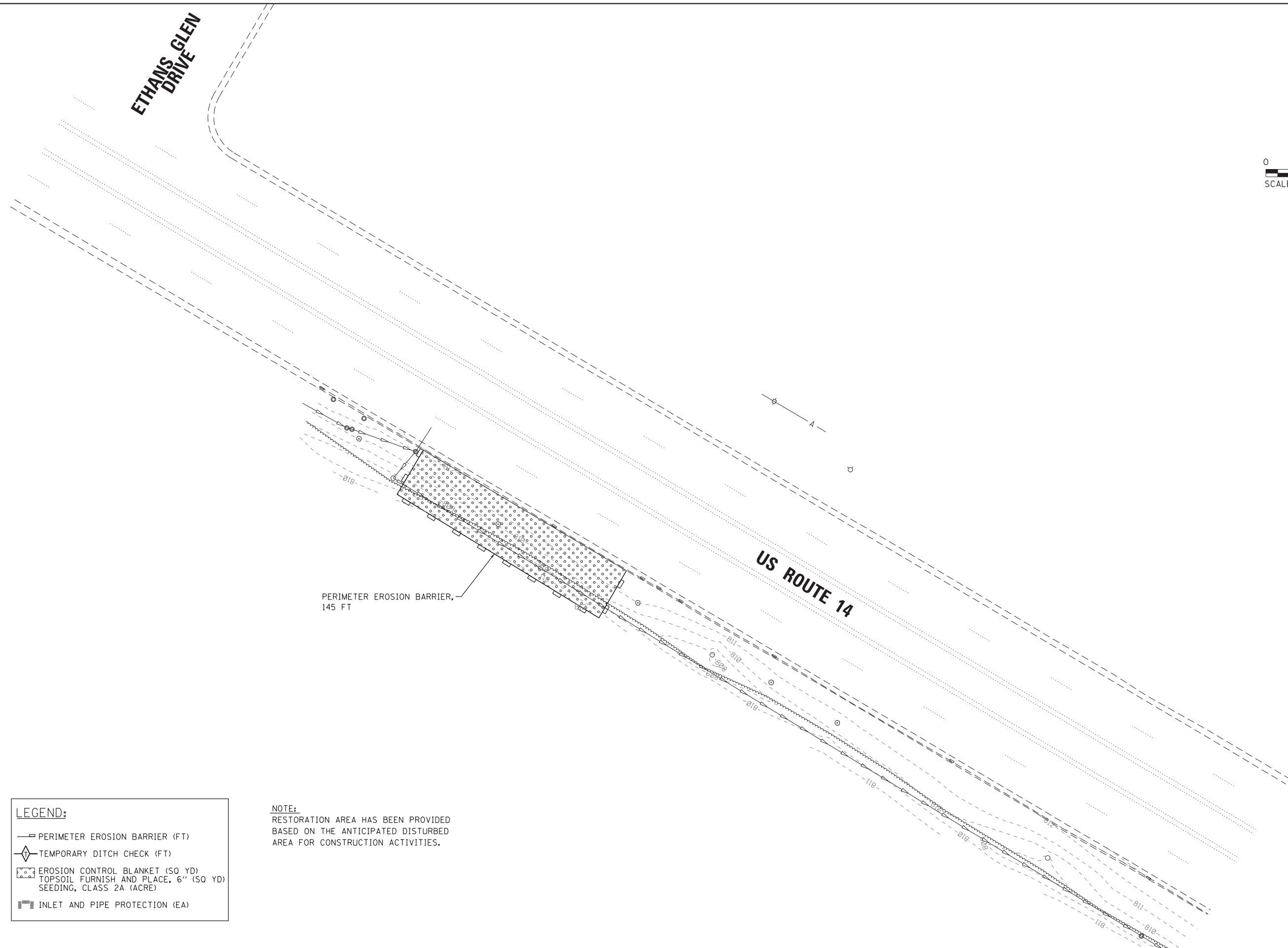
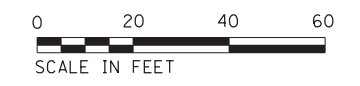
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
VAR.	2018-083-DR	*	35
			17
CONTRACT NO. 62H33			
ILLINOIS		FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	CADD FILE NAME		
NOTE BOOK NO.			

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
NOTE BOOK NO.			

HRG PROJECT NO.: 86009661  
 HRG PROJ. CONTACT: 62945-shr-ero-01.dgn  
 FILE NUMBER: 62945-shr-ero-01.dgn  
 PEN TABLE: 62945-shr-ero-01.dgn



PERIMETER EROSION BARRIER,  
145 FT

**LEGEND:**

- PERIMETER EROSION BARRIER (FT)
- TEMPORARY DITCH CHECK (FT)
- EROSION CONTROL BLANKET (50 YD)  
TOPSOIL FURNISH AND PLACE, 6" (50 YD)  
SEEDING, CLASS 2A (ACRE)
- INLET AND PIPE PROTECTION (EA)

**NOTE:**  
RESTORATION AREA HAS BEEN PROVIDED  
BASED ON THE ANTICIPATED DISTURBED  
AREA FOR CONSTRUCTION ACTIVITIES.



USER NAME = bhartma	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 1"=20'	CHECKED -	REVISED -
PLOT DATE = 2/15/2017	DATE - 02/15/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 14 - EROSION CONTROL PLAN  
VARIOUS LOCATIONS**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	18
CONTRACT NO. 62H33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

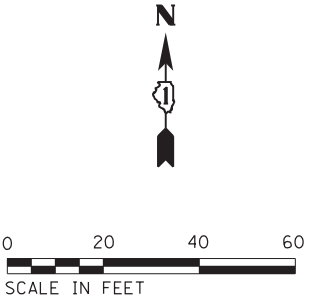
\* COOK, DUPAGE, & LAKE

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	ALIGNMENT CHECKED		
	AS-BUILT CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		

HRG PROJECT NO.: 86009661  
 HRG PROJ. CONTACT: 62945-sh1-drain-0.dgn  
 FILE NUMBER: 2018083-DR  
 PEN TABLE: p01tbl04.tbl

**ETHANS GLEN DRIVE**



SITE BENCHMARK

MANHOLE WITH RESTRICTOR PLATE  
(SEE DETAIL SHEET)

**US ROUTE 14**

**BENCHMARK:**  
 RAILROAD SPIKE IN SOUTH FACE OF  
 UTILITY POLE LOCATED ON NORTH SIDE  
 OF US ROUTE 14 AND APPROXIMATELY  
 300 FT EAST OF ETHANS GLEN DRIVE  
 ELEV.: 811.43 (NAVD88)



USER NAME = bhartm	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 1"=20'	CHECKED -	REVISED -
PLOT DATE = 2/15/2017	DATE - 02/15/17	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US 14 - DRAINAGE PLAN  
 VARIOUS LOCATIONS**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

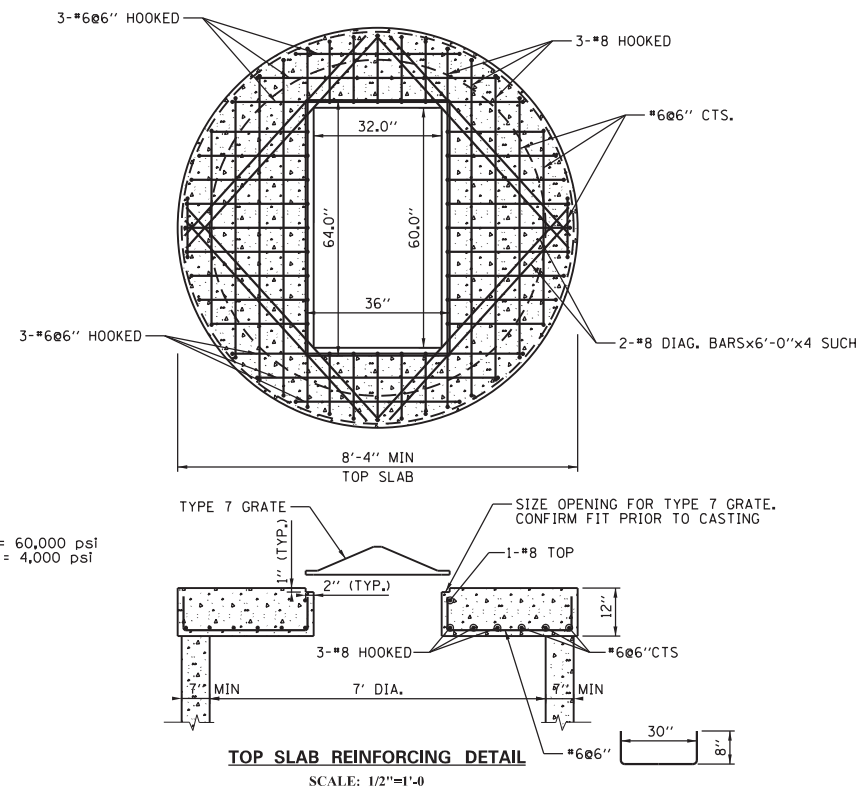
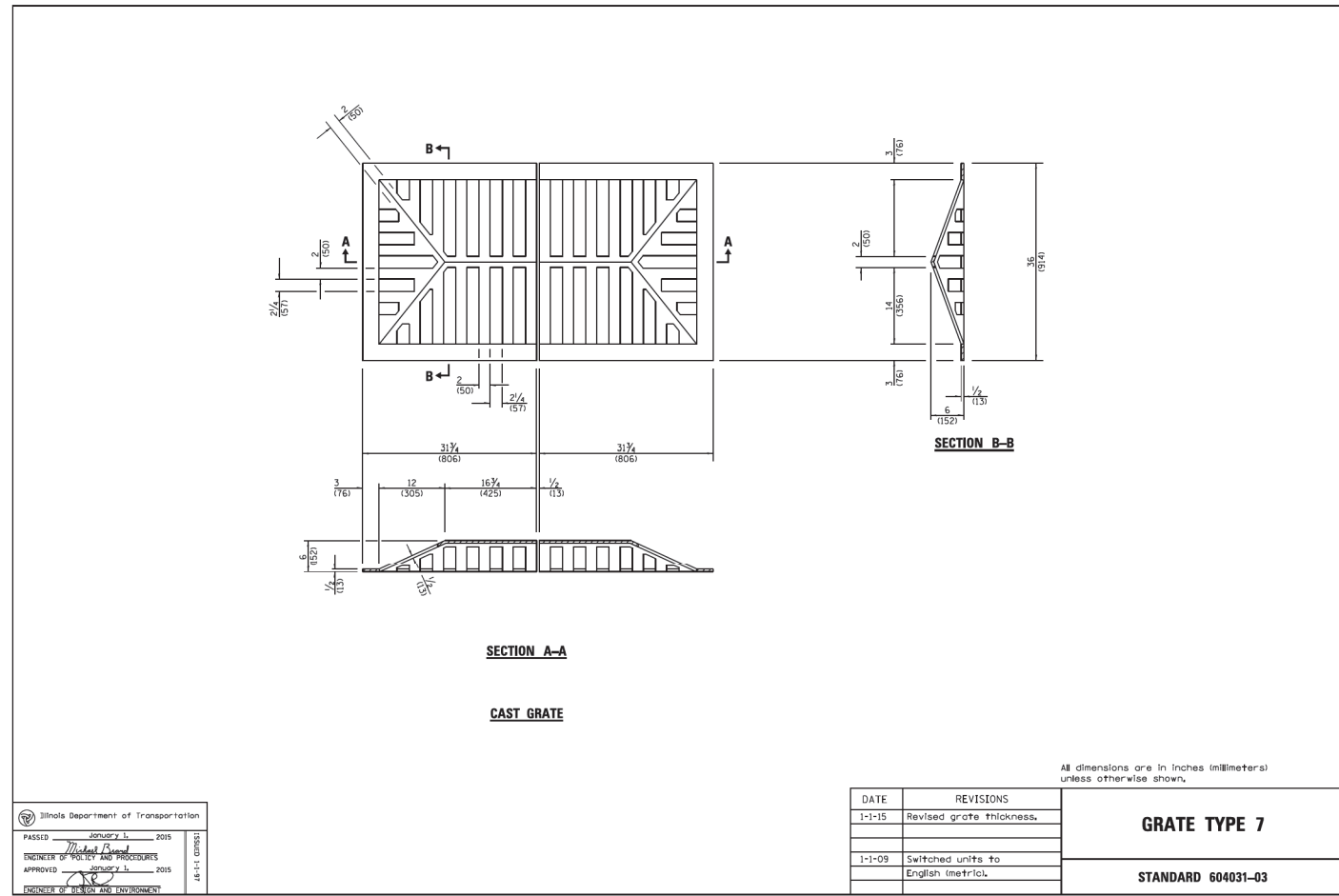
F.A. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	19
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
<b>CONTRACT NO. 62H33</b>				

\* COOK, DUPAGE, & LAKE

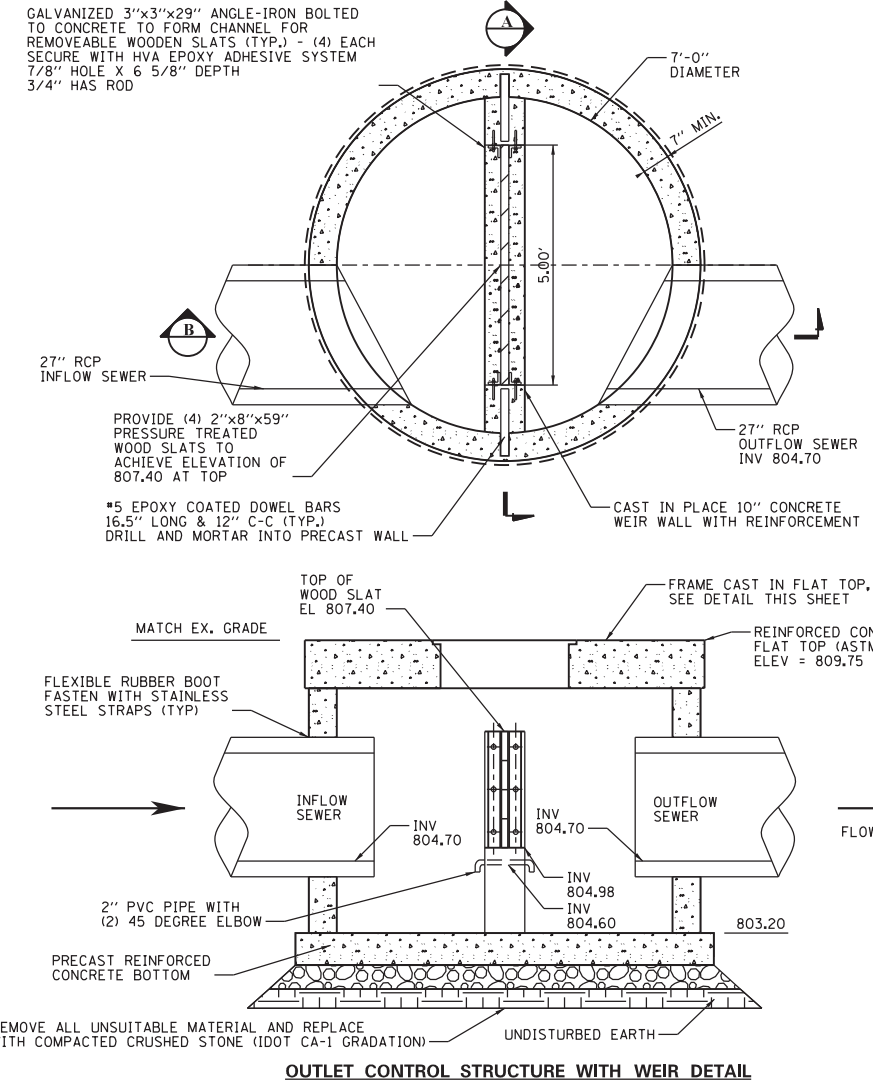
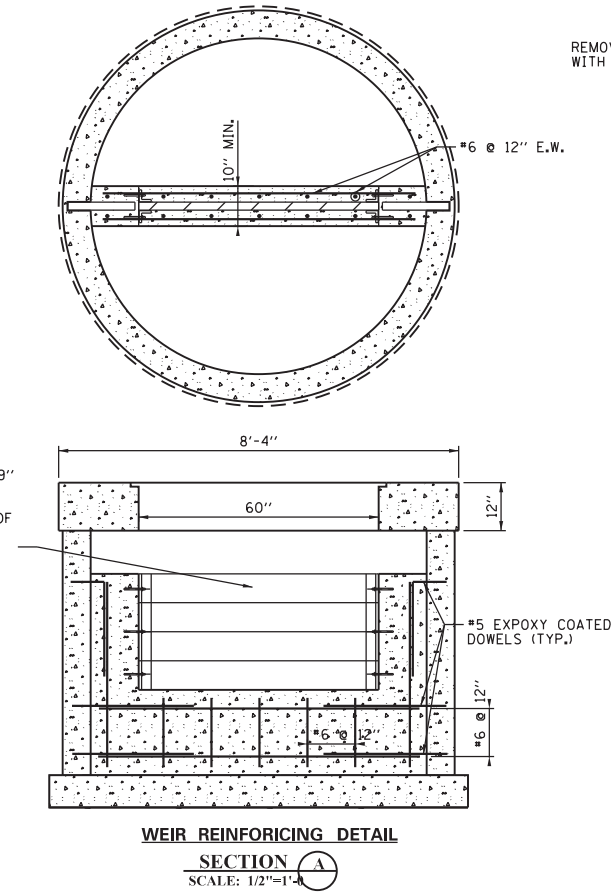
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SURVEYED	BY
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FILE NAME	
NO.	
NOTE BOOK	
NO.	

PROFILE	DATE
SURVEYED	BY
PLOTTED	
GRADES CHECKED	
STRUCTURE NOT AT THIS CHORD	
NO.	
NOTE BOOK	
NO.	

HRG PROJECT NO.: 8600996/61  
 HRG PROJ. CONTACT: 629/45-shr-dfr-01.dgn  
 FILE NAME: 2018083-dr  
 PEN TABLE: pcc1tbl.tbl



PROVIDE (4) 2"x8"x59" PRESSURE TREATED WOOD SLATS TO ACHIEVE ELEVATION OF 808.6 AT TOP (REMOVEABLE)



- NOTES:
1. PRECAST REINFORCED CONCRETE RISERS, TOP, & BOTTOM SLAB SHALL CONFORM TO ASTM C-478.
  2. PRECAST SECTIONS TO BE JOINED WITH TONGUE AND GROOVE JOINTS SEALED WITH A CONTINUOUS LAYER OF PREFORMED BUTYL MASTIC MATERIAL (E-Z) STICK OR EQUAL) TO EACH JOINT, TO PREVENT INFILTRATION.
  3. FRAME TO BE SET TO FINISHED GRADE SHOWN.
  4. SEE PLAN FOR THE LOCATION, SIZE, AND INVERT ELEVATIONS OF SEWERS.
  5. ALL DISTURBED AREAS ARE TO BE RESTORED UPON COMPLETION OF WORK.
  6. CAST IN PLACE CONCRETE SHALL BE CLASS SI W/ MIN. 14 DAY COMPRESSIVE STRENGTH OF 3,500 PSI.
  7. STRUCTURE OFFSET FROM STORM  $\phi$  TO MINIMIZE RE-GRADING.
  8. ALL REBAR CONSTRUCTION SHALL CONFORM TO ACI 318-11

\* COOK, DUPAGE, & LAKE



USER NAME = bhar-tmo	DESIGNED - BH	REVISED -
PLOT SCALE = NTS	DRAWN - DMS	REVISED -
PLOT DATE = 2/15/2017	CHECKED -	REVISED -
	DATE - 02/15/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 14 - MANHOLE DETAIL  
VARIOUS LOCATIONS

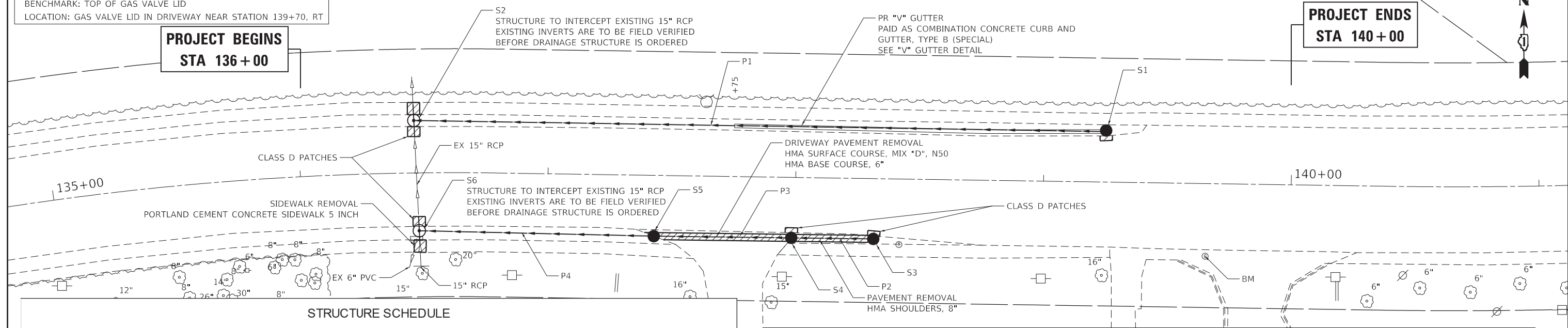
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F.A. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	20
CONTRACT NO. 62H33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

REFERENCE BENCH MARK ELEV 635.12  
 BENCHMARK: TOP OF GAS VALVE LID  
 LOCATION: GAS VALVE LID IN DRIVEWAY NEAR STATION 139+70, RT

**PROJECT BEGINS**  
**STA 136+00**

**PROJECT ENDS**  
**STA 140+00**



**STRUCTURE SCHEDULE**

ID	STATION	OFFSET	LID ELEVATION	INVERT				PAY ITEM
				N	S	W	E	
S1	139+25.00	-20.80	634.58			632.25		* CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID
S2	136+46.07	-21.18	636.96	630.76 EST	630.86 EST		631.15	* MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S3	138+31.63	24.32	635.40			631.98		CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID
S4	137+98.51	24.40	635.34			631.77	631.87	* CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID
S5	137+43.01	24.53	635.33			631.48	631.58	* CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID
S6	136+47.71	23.33	635.32	631.00 EST	631.10 EST		631.16	* MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID

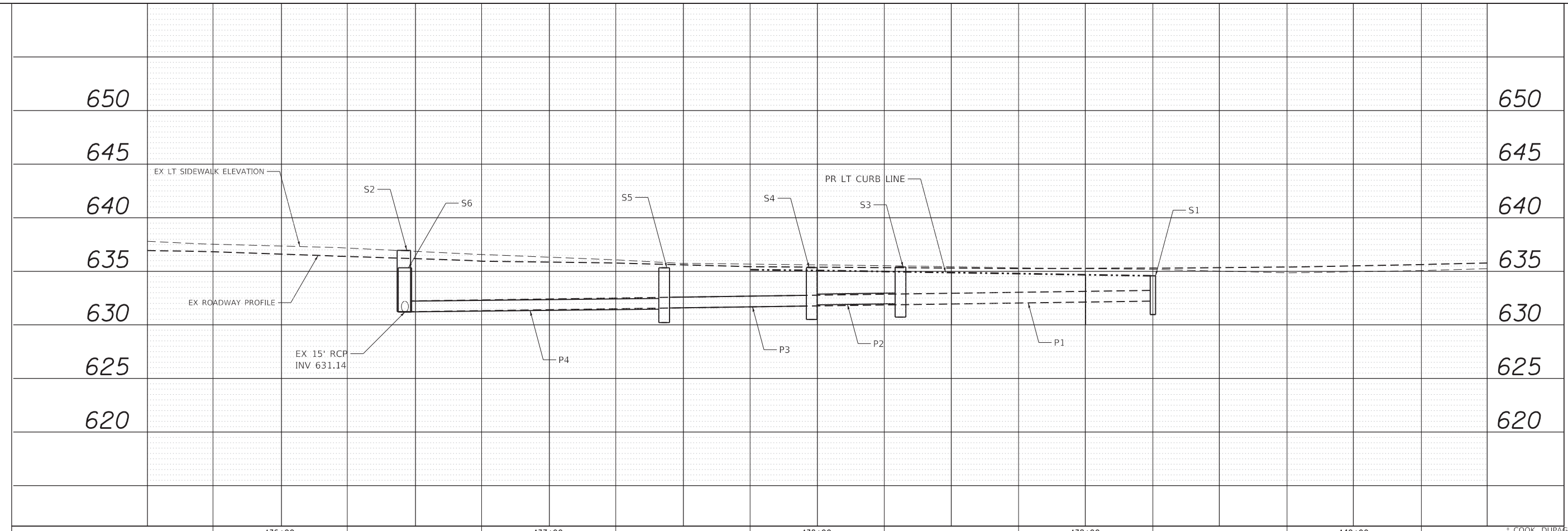
\* FLAT-SLAB TOP

**PIPE SCHEDULE**

ID	PAY ITEM	LENGTH (FT)	START STRUCTURE	START INVERT	END STRUCTURE	END INVERT	SLOPE	TRENCH BACKFILL (CUYD)
P1	STORM SEWERS, CLASS A, TYPE 2 12"	275.33	S1	632.25	S2	631.15	0.40%	124.56
P2	STORM SEWERS, CLASS A, TYPE 1 12"	30.62	S3	631.98	S4	631.87	0.35%	6.52
P3	STORM SEWERS, CLASS A, TYPE 1 12"	53.00	S4	631.77	S5	631.58	0.35%	12.48
P4	STORM SEWERS, CLASS A, TYPE 1 12"	90.50	S5	631.48	S6	631.16	0.35%	26.21

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
NO. OF WAY CHECKED	
NO. OF FILE CHECKED	
NO.	

DATE	
BY	
SURVEYED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHECKED	
NO.	



USER NAME = rostkawskir	DESIGNED - RR	REVISED -
	DRAWN - RR	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - KS	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

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

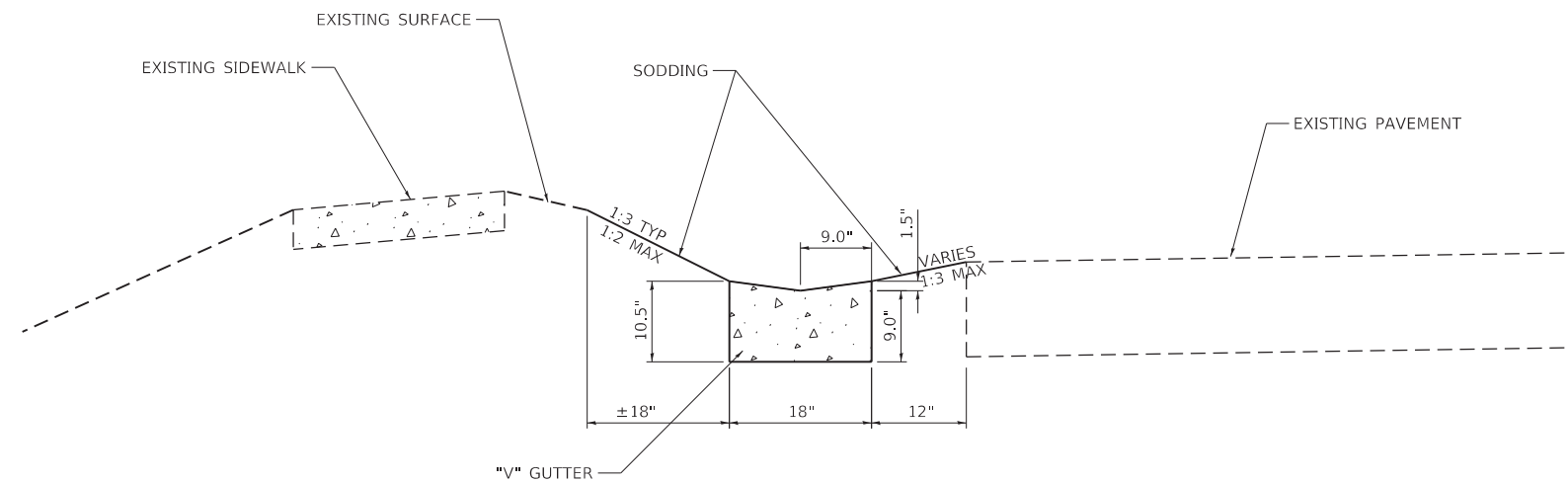
**RIDGE RD. (CENTER AVE. TO HALSTED ST.) - DRAINAGE PLANS**  
**VARIOUS LOCATIONS**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. - TO STA. -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-083-DR	*	35	21
CONTRACT NO. 62H33				

\* COOK, DUPAGE, & LAKE

MODEL: 20 Scale  
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**"V" GUTTER DETAIL**

(PAID AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL))

MODEL: 20 Scale  
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\* COOK, DUPAGE, & LAKE

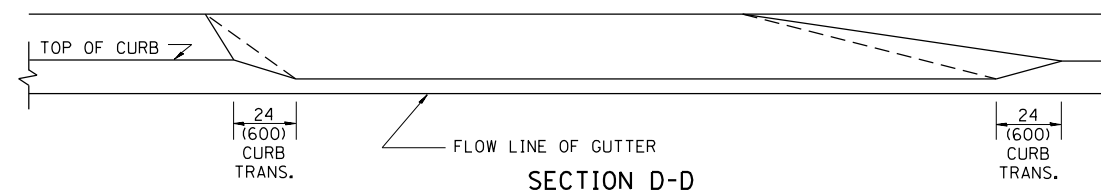
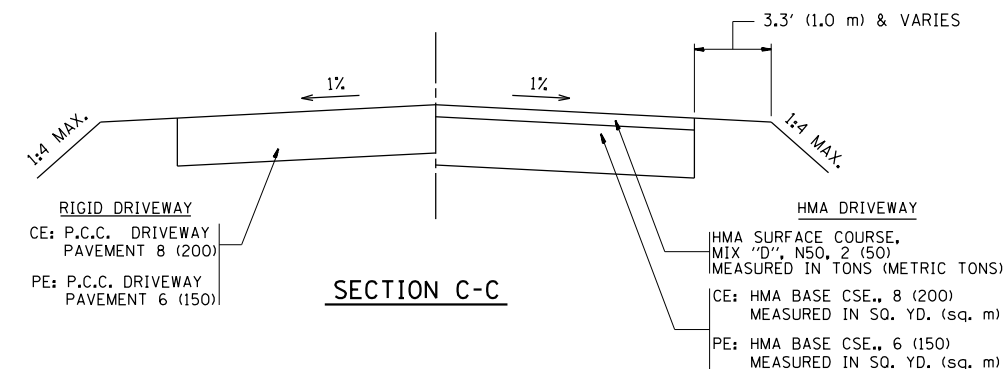
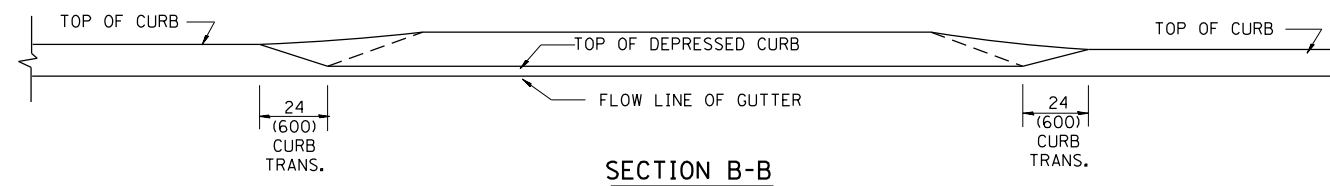
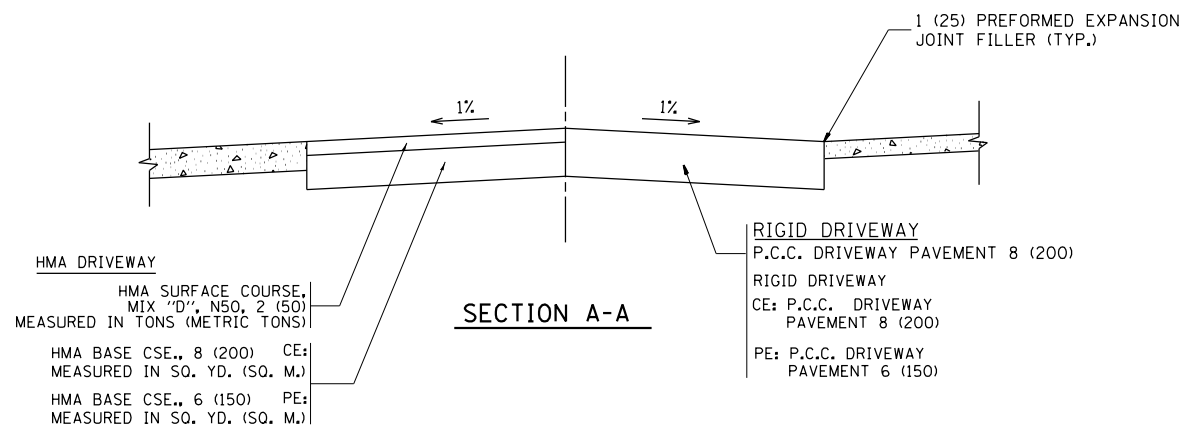
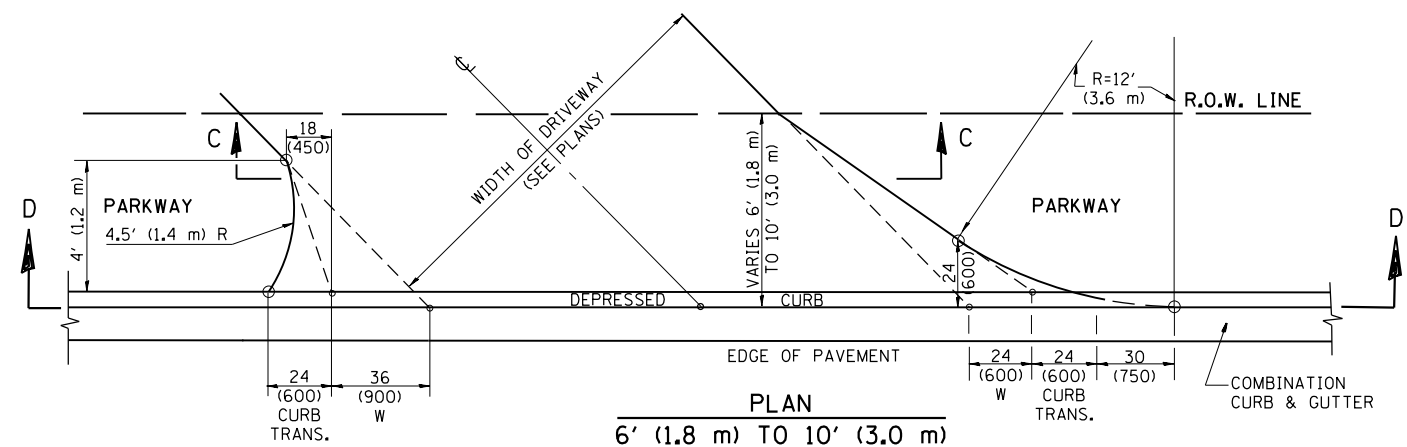
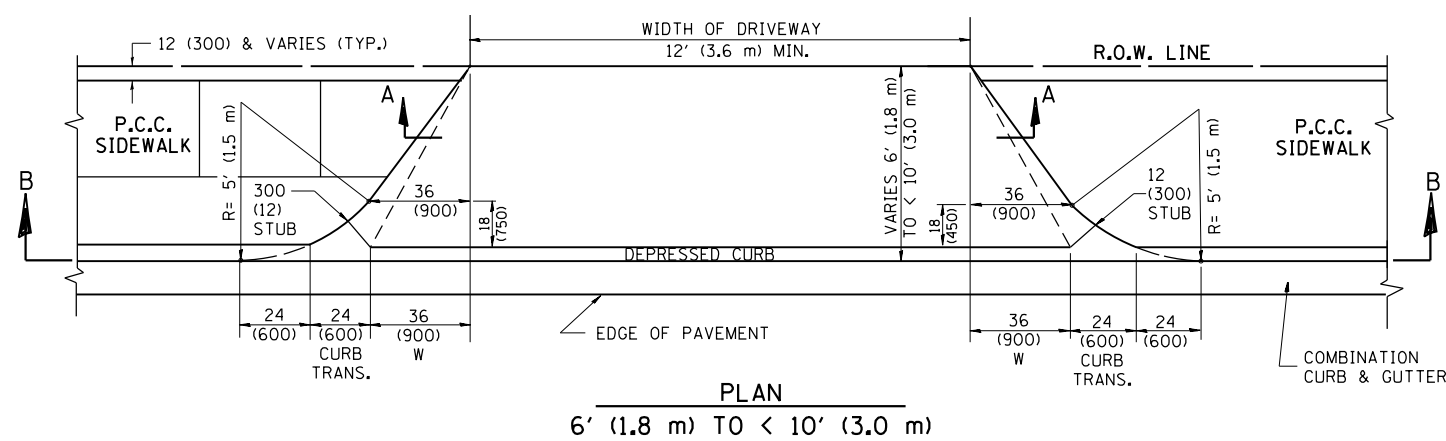
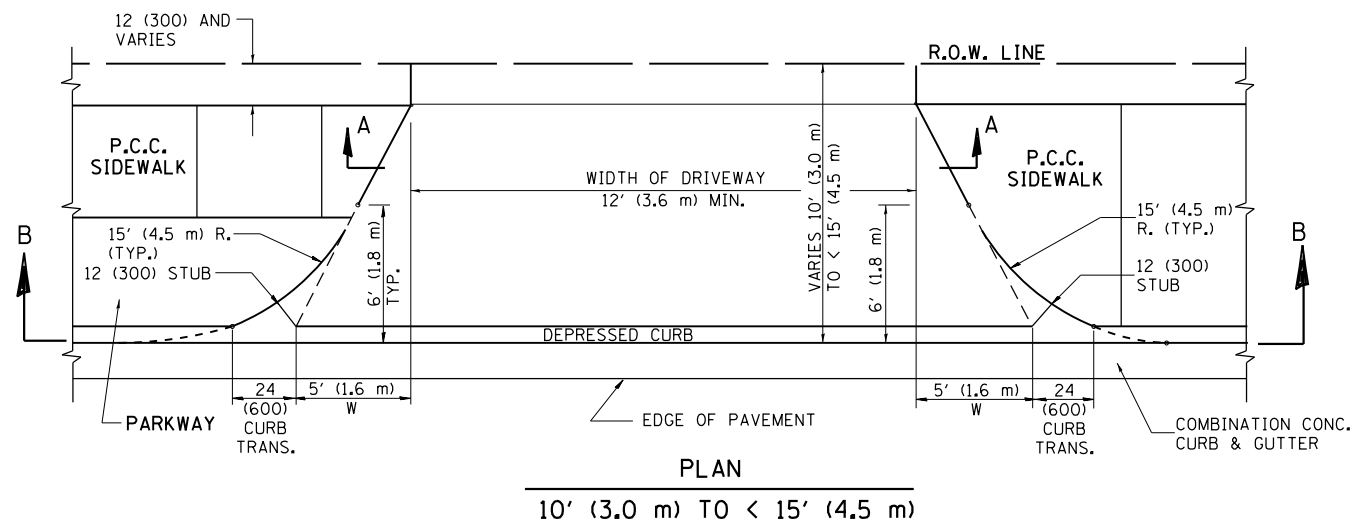
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	DRAWN - RR	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - KS	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RIDGE RD. (CENTER AVE. TO HALSTED ST.) - DRAINAGE PLANS  
 VARIOUS LOCATIONS**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. - TO STA. -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-083-DR	*	35	22
			CONTRACT NO. 62H33	
		ILLINOIS	FED. AID PROJECT	



**GENERAL NOTES**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

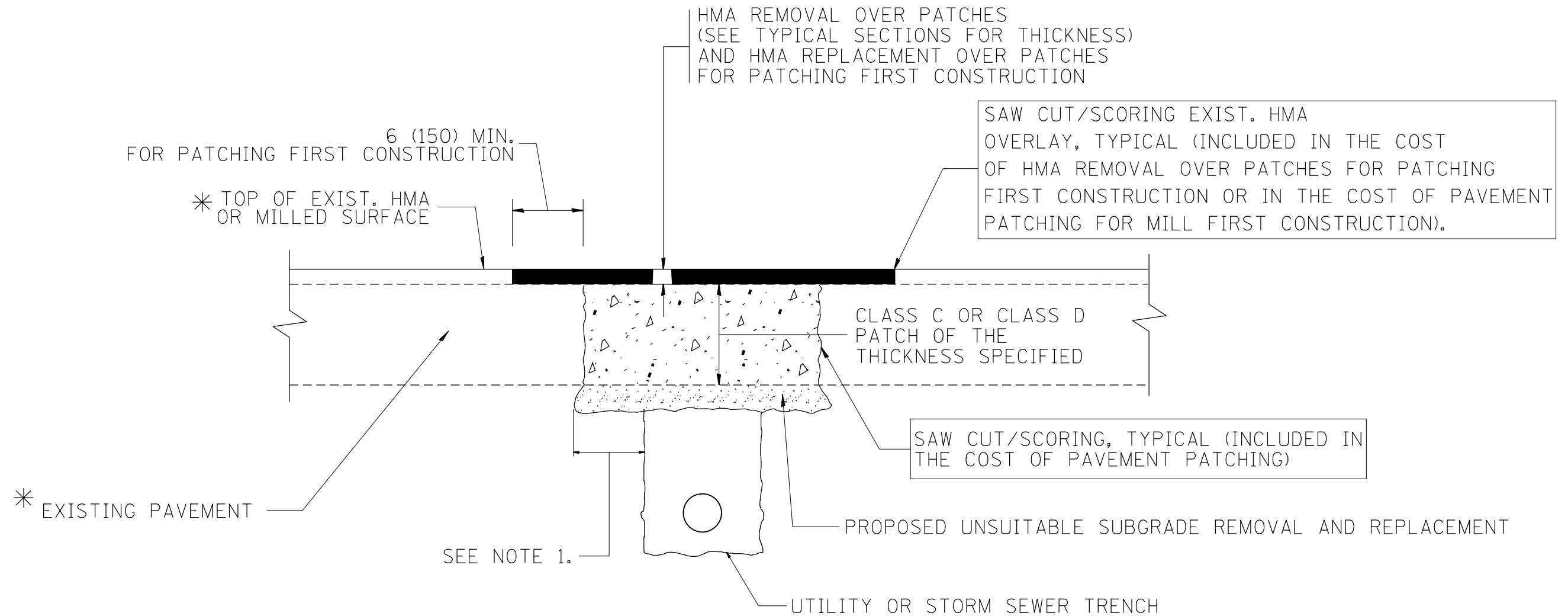
• COOK, DUPAGE, & LAKE

FILE NAME =	USER NAME = toriafm	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010271\DRWING\Design\DistStd.dgn		CHECKED - P. LoFLEUR 04-15-03	REVISED - P. LoFLEUR 04-15-03
		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 11-06-95	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	23
BD400-02 (BD-02)			CONTRACT NO. 62H33	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

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)

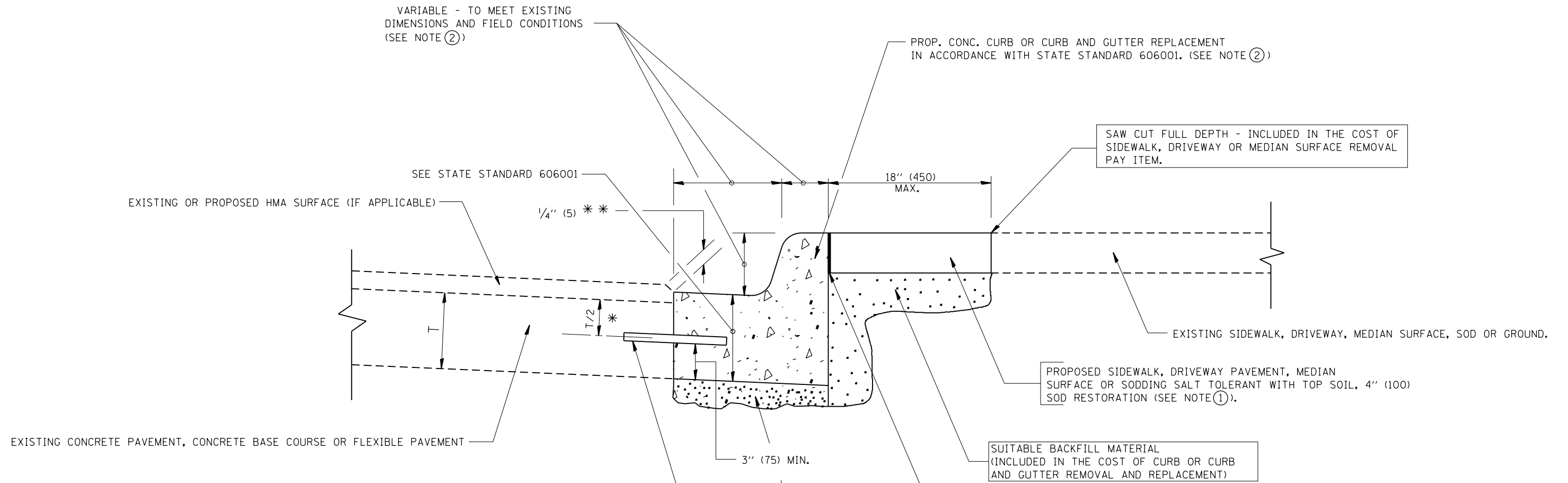
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

• COOK, DUPAGE, & LAKE

FILE NAME =	USER NAME = toriafm	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010271\BDRAMA\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07					VAR.	2018-083-DR	*	35	24
PLOT SCALE = 100.0000' / 1" =		DATE - 10-25-94	REVISED - R. BORO 09-04-07		<b>BD400-04 (BD-22)</b>			<b>CONTRACT NO. 62H33</b>				
PLOT DATE = 4/1/2019			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
  - \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
  - ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
  - ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
  - ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
  - ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
- REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

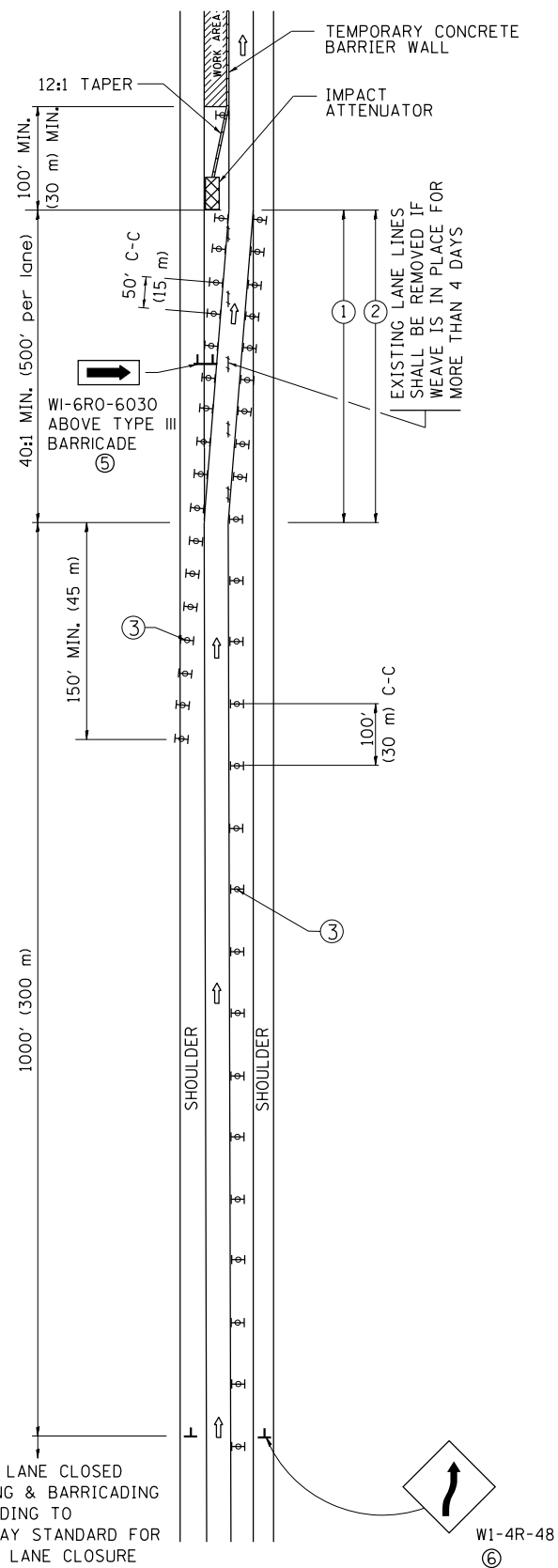
**BASIS OF PAYMENT:**  
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

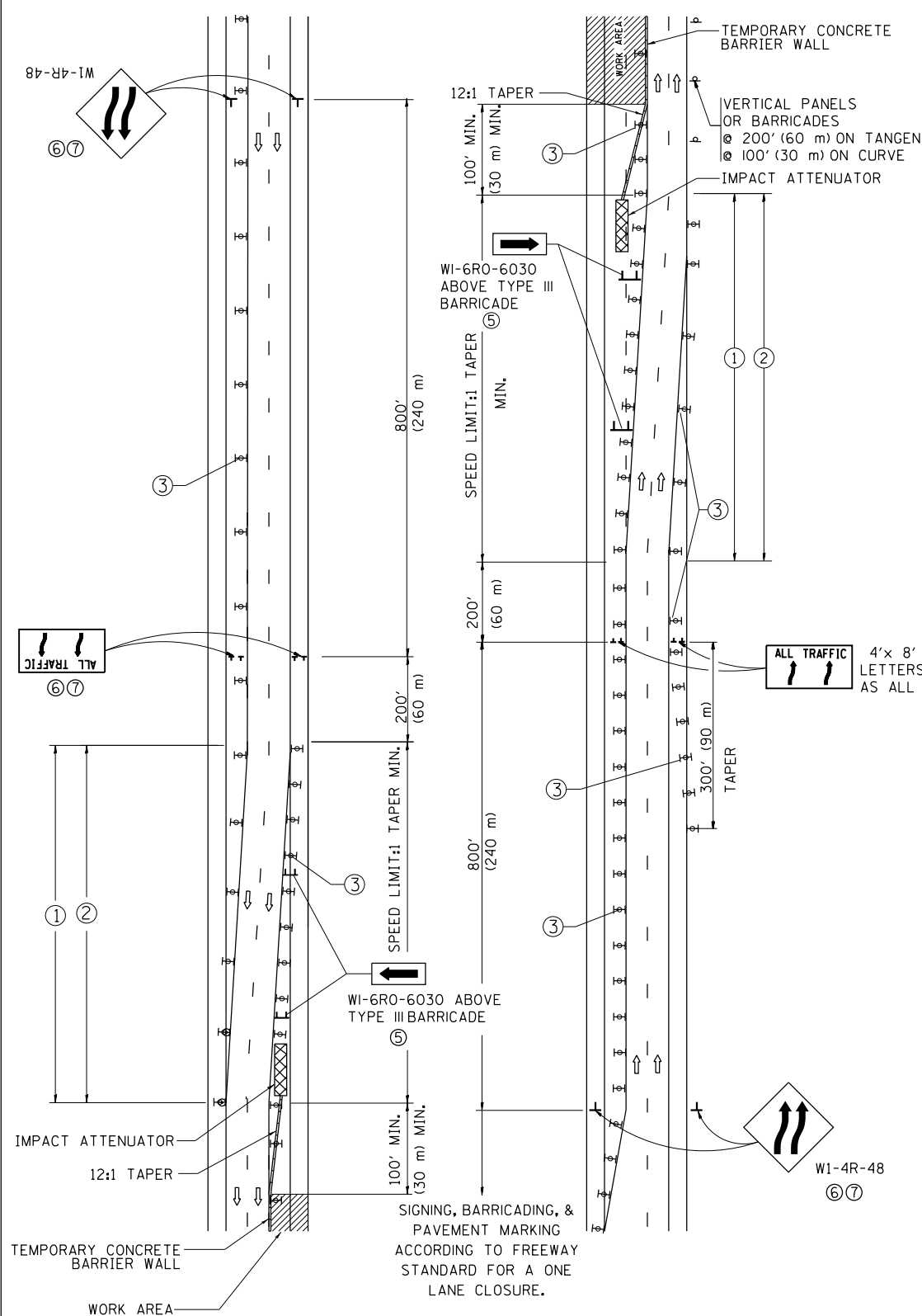
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN. • COOK, DUPAGE, & LAKE

FILE NAME =	USER NAME = toriafm	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - A. ABBAS 03-21-97			VAR.	2018-083-DR	*	35	25	
			REVISED - M. GOMEZ 01-22-01			<b>BD600-06 (BD-24)</b>		<b>CONTRACT NO. 62H33</b>			
			REVISED - R. BORO 12-15-09			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT					
PLOT SCALE = 100.0000' / 1in.				CHECKED -		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
PLOT DATE = 4/1/2019				DATE - 03-11-94							

# SINGLE LANE WEAVE



# MULTI-LANE WEAVE



### GENERAL NOTES

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

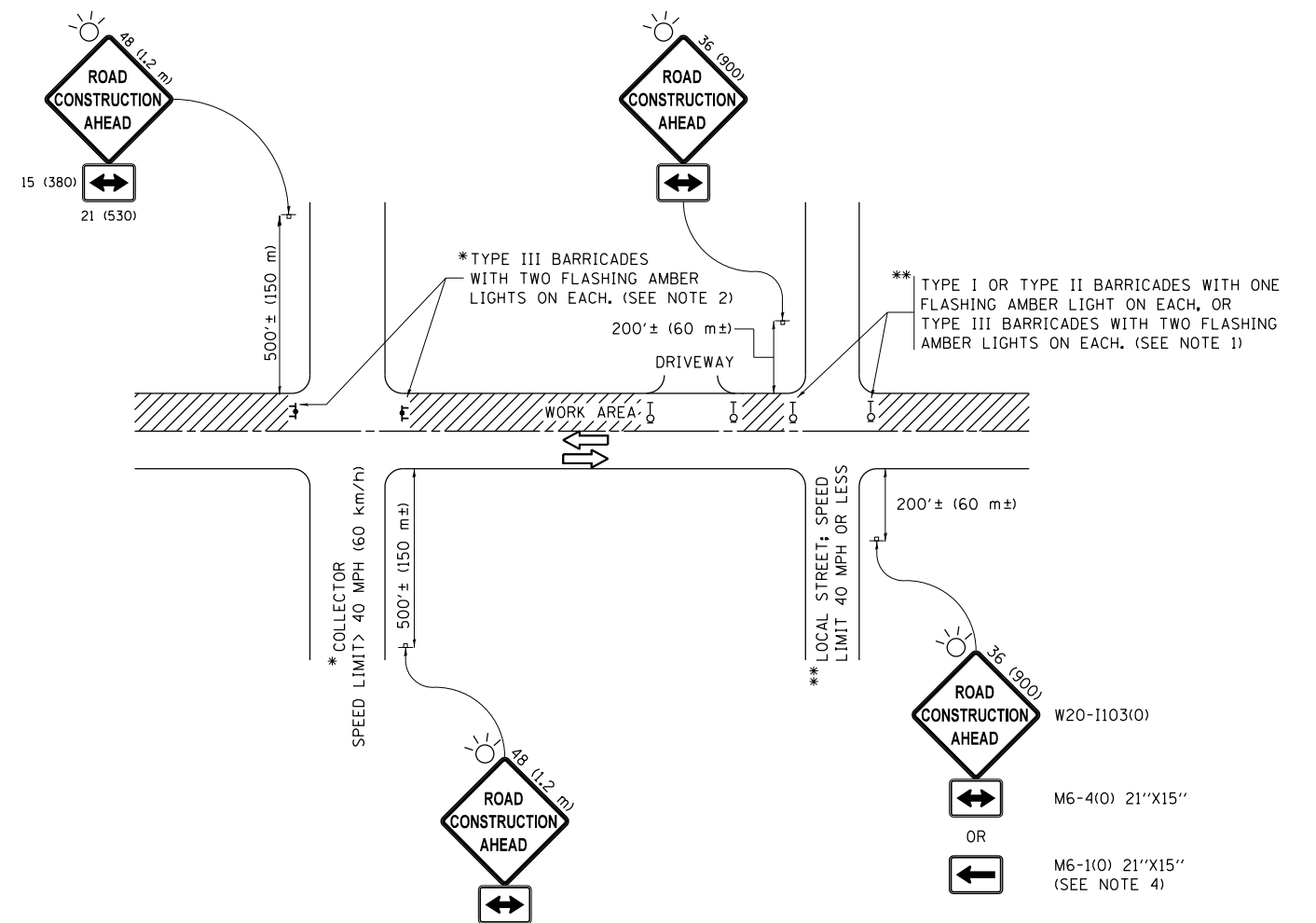
### SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48  
⑥
- W24-1-48  
⑦

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

• COOK, DUPAGE, & LAKE

FILE NAME =	USER NAME = toriafm	DESIGNED - DWS	REVISED - JAF 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE &amp; MULTI-LANE WEAVE</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIWOT\Documents\IDOT Offices\District 1\Projects\010271\PIWOT\Design\DistStd.dgn	PLLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - SPB 01-07					VAR.	2018-083-DR	.	35	26
PLLOT DATE = 4/1/2019	DATE - 02-87	REVISED - MD 06-13	REVISED - SPB 12-09		<b>TC-09</b>			<b>CONTRACT NO. 62H33</b>				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. 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.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.  
 • COOK, DUPAGE, & LAKE

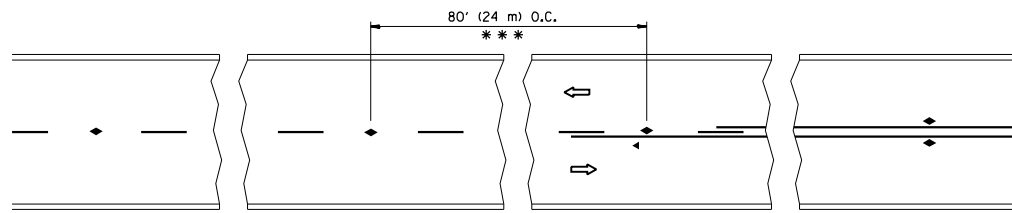
FILE NAME =	USER NAME = toriafm	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\010271\PLAN\Design\DistStd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 4/1/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

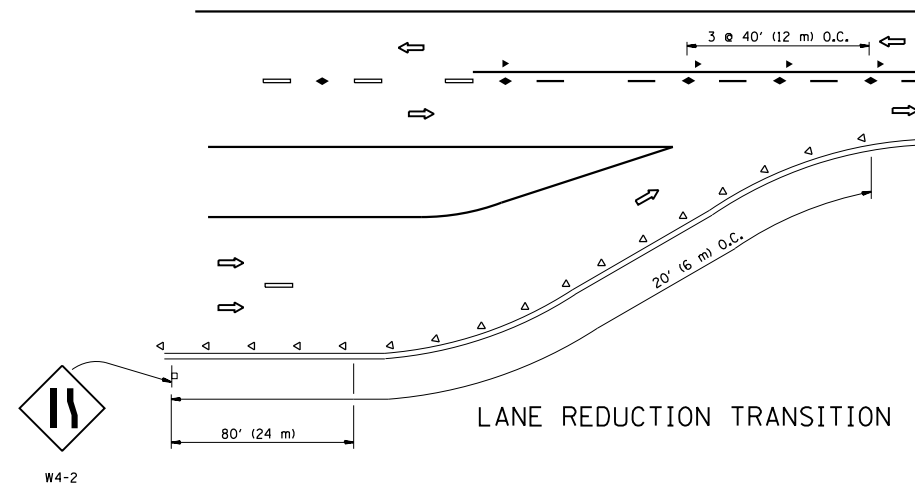
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	27
<b>TC-10</b>			<b>CONTRACT NO. 62H33</b>	
ILLINOIS FED. AID PROJECT				

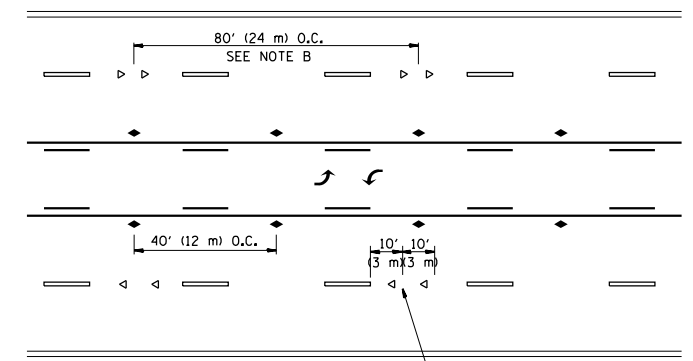


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

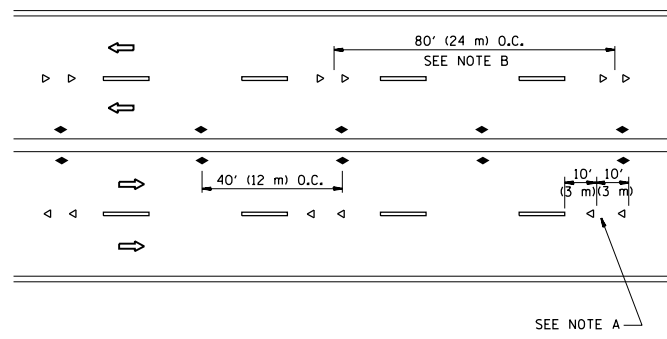
TWO-LANE/TWO-WAY



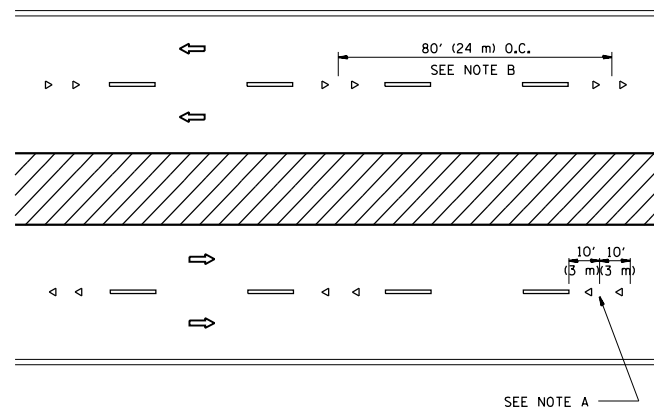
LANE REDUCTION TRANSITION



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.

SYMBOLS

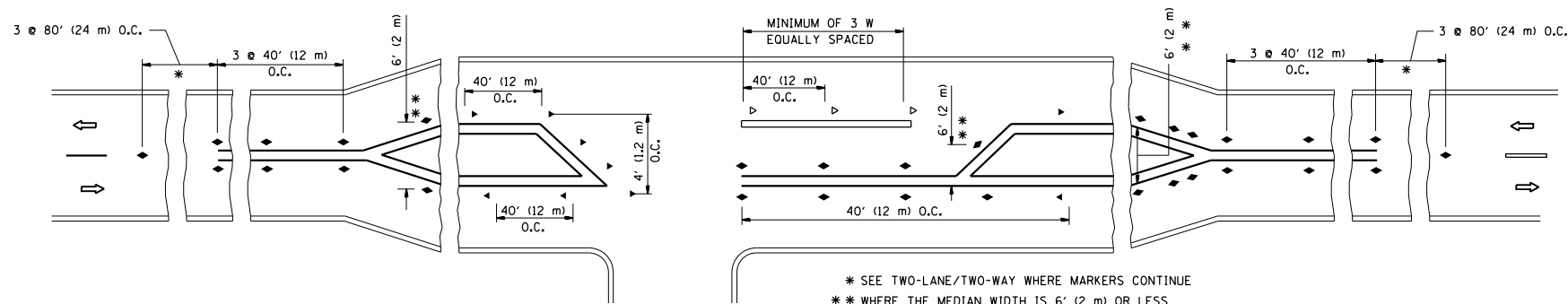
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

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

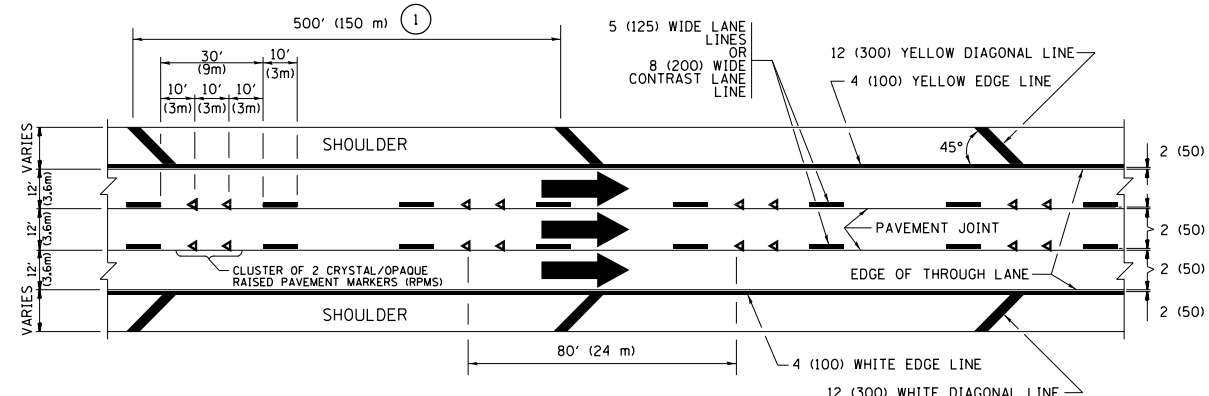
All dimensions are in inches (millimeters) unless otherwise shown. • COOK, DUPAGE, & LAKE

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010271\PLAN\Design\DistStd.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 4/1/2019	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

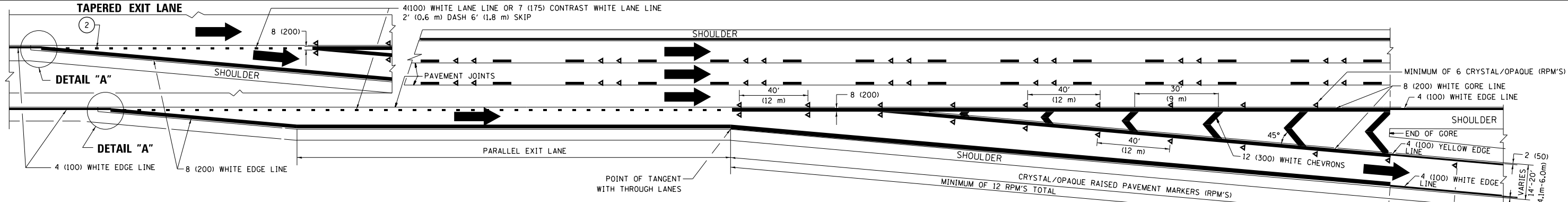
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	28
TC-11			CONTRACT NO. 62H33	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



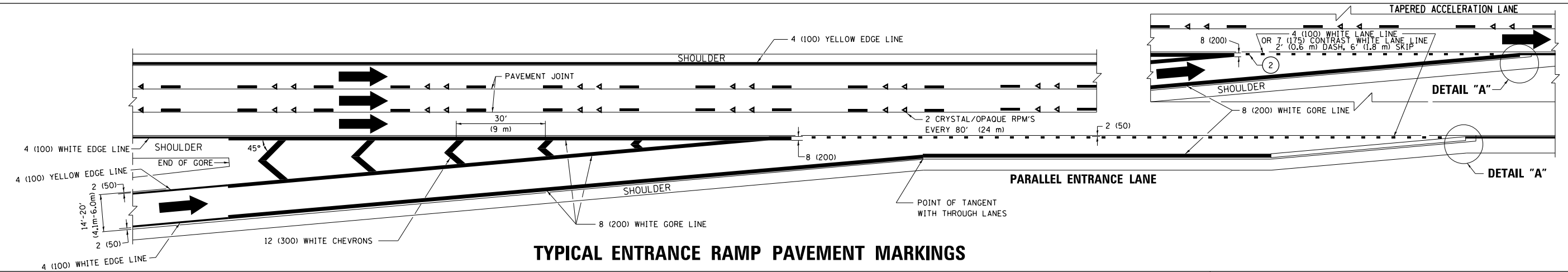
**TYPICAL EDGE LINES & LANE LINES**

**PAVEMENT MARKING MATERIALS**

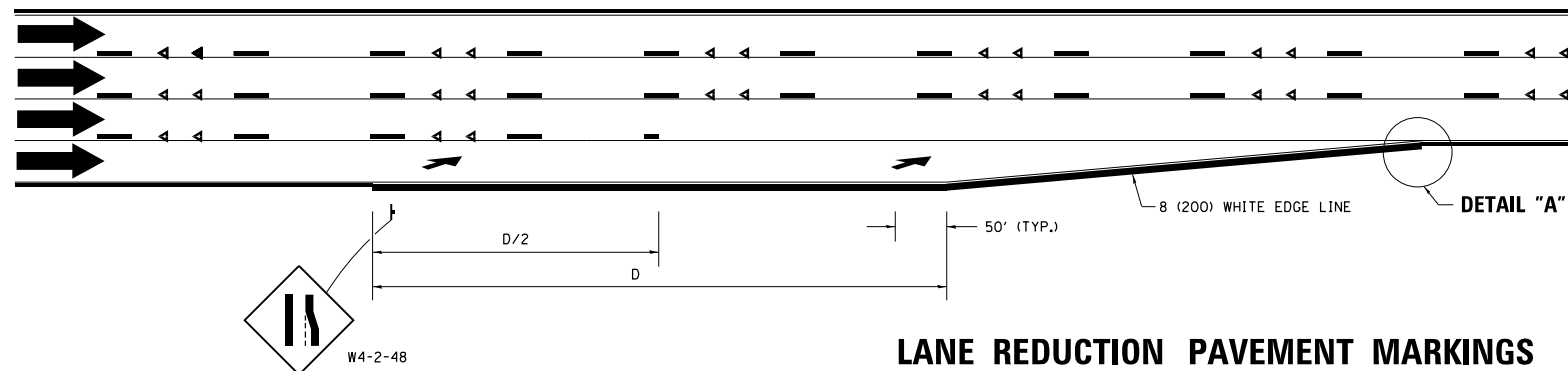
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



**TYPICAL EXIT RAMP PAVEMENT MARKINGS**

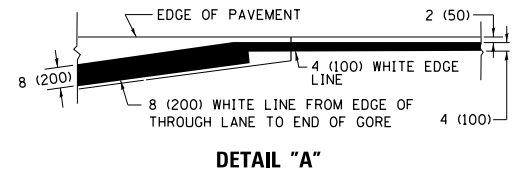


**TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS**

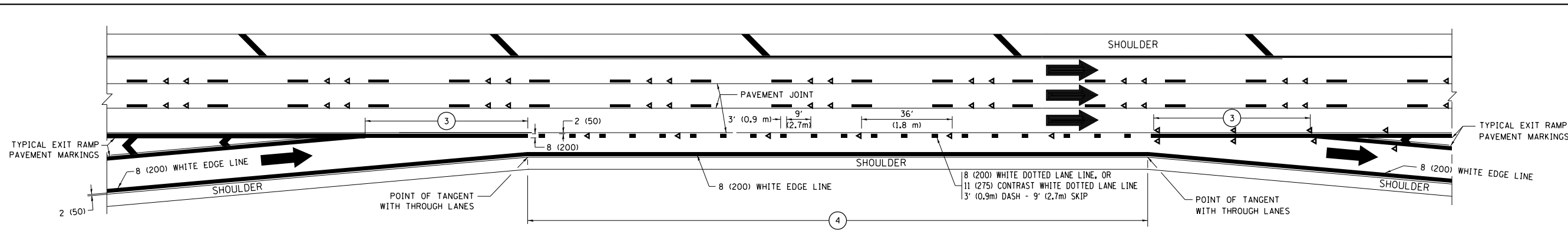


**LANE REDUCTION PAVEMENT MARKINGS**

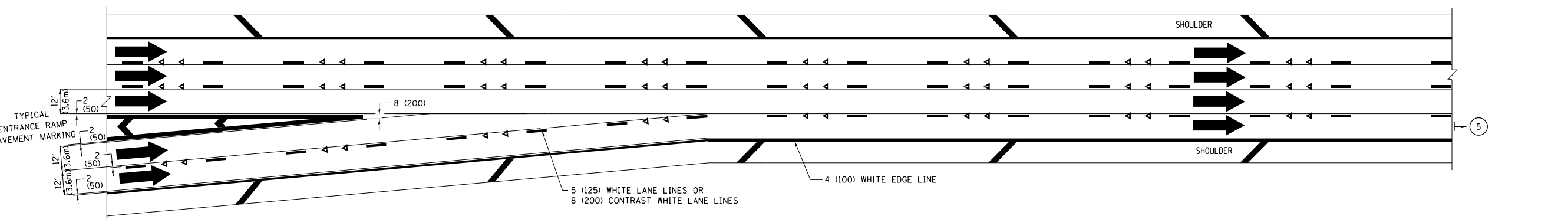
POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



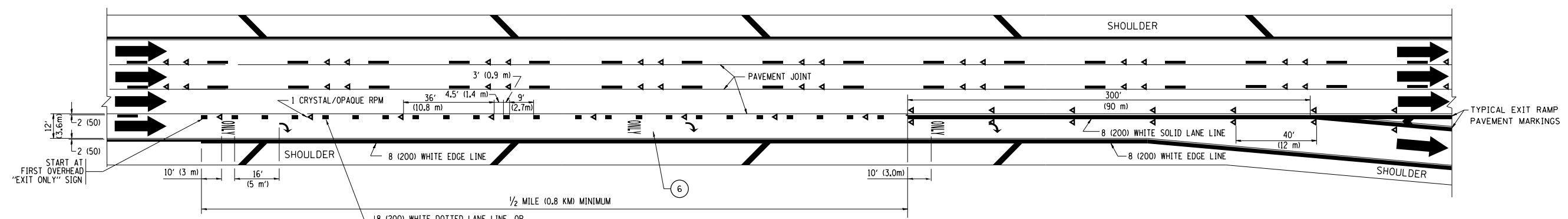
- NOTES:**
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
  - ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.



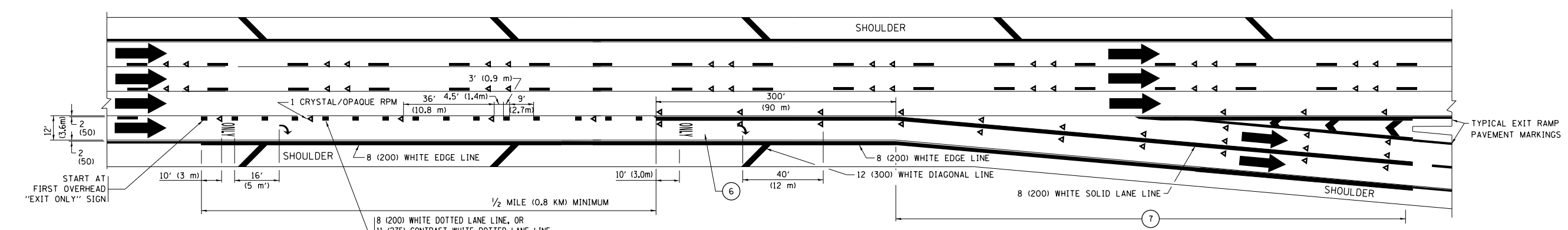
**AUXILIARY LANE MARKINGS**



**TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS**



**EXIT ONLY LANE MARKINGS**

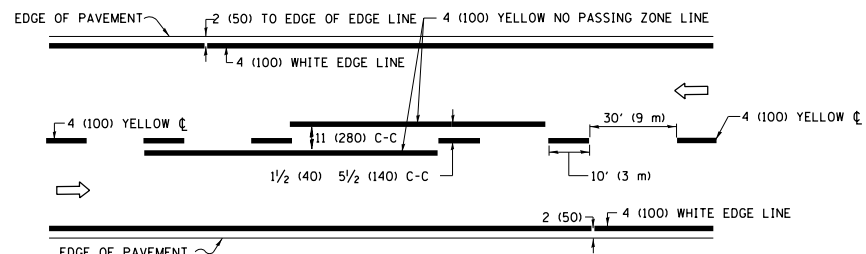


**EXIT ONLY WITH OPTION LANE MARKINGS**

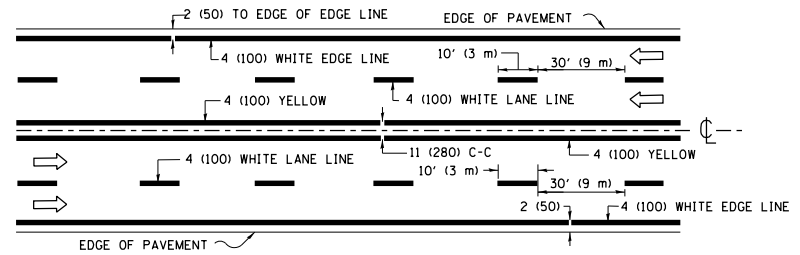
- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
  - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
  - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
  - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
  - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

FILE NAME =	USER NAME = toriafm	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010271\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - S.P.B. 01-07		VAR.	2018-0B3-DR	.	35	30			
Default		DATE - 01-90	REVISED - S.P.B. 01-10		<b>TC-12</b>			<b>CONTRACT NO. 62H33</b>				
	PLOT DATE = 4/1/2019		REVISED - M.D. 09-17		SCALE: NONE	SHEET 2	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

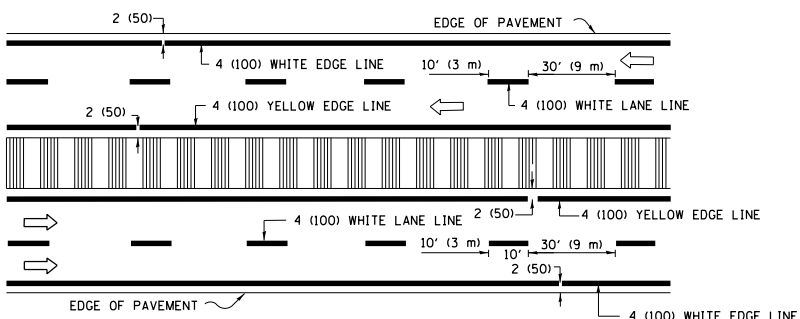
• COOK, DUPAGE, & LAKE



**2-LANE ROADWAY**

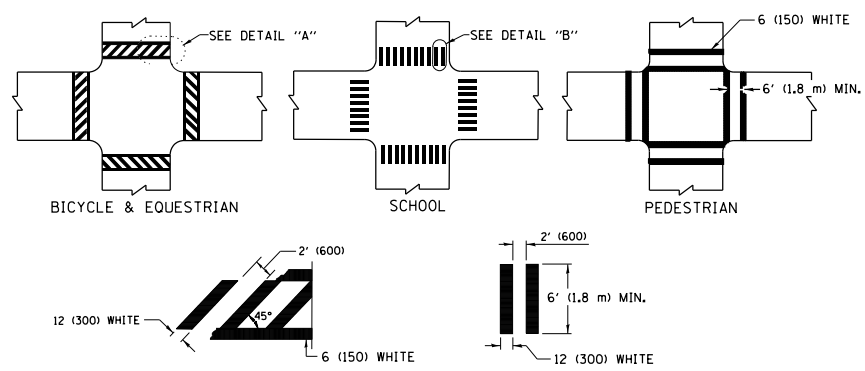


**MULTI-LANE UNDIVIDED**



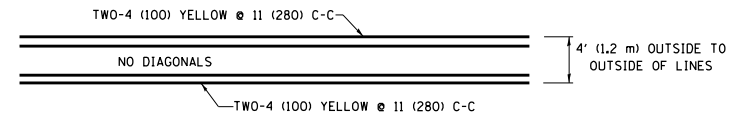
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

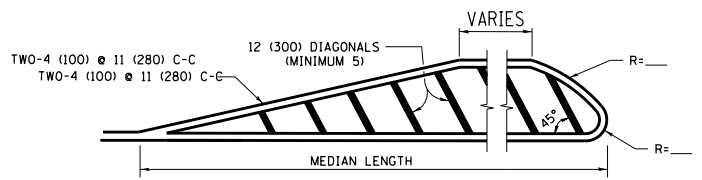


**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

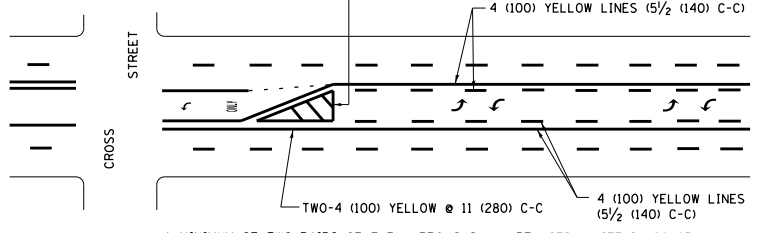


**4' (1.2 m) WIDE MEDIANS ONLY**



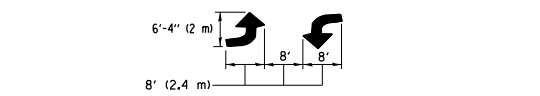
**MEDIANS OVER 4' (1.2 m) WIDE**

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

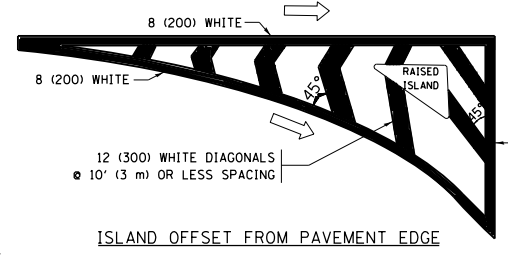
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



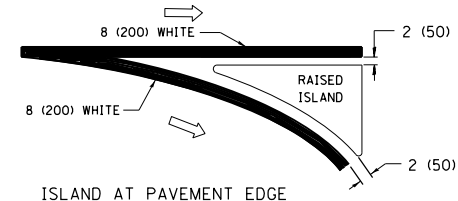
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

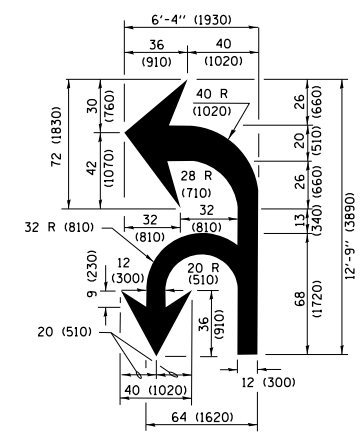


**ISLAND OFFSET FROM PAVEMENT EDGE**

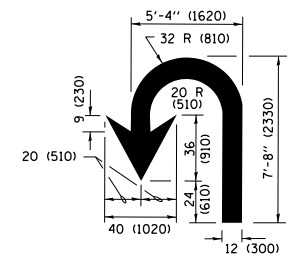


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

\* COOK, DUPAGE, & LAKE

FILE NAME =	USER NAME = toriafm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\planroom.dot\illinois.gov\PWIDOT\Documents\1007 Offices\District 1\Projects\010271\DRAWING\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/1/2019		REVISED - C. JUCIUS 04-12-16

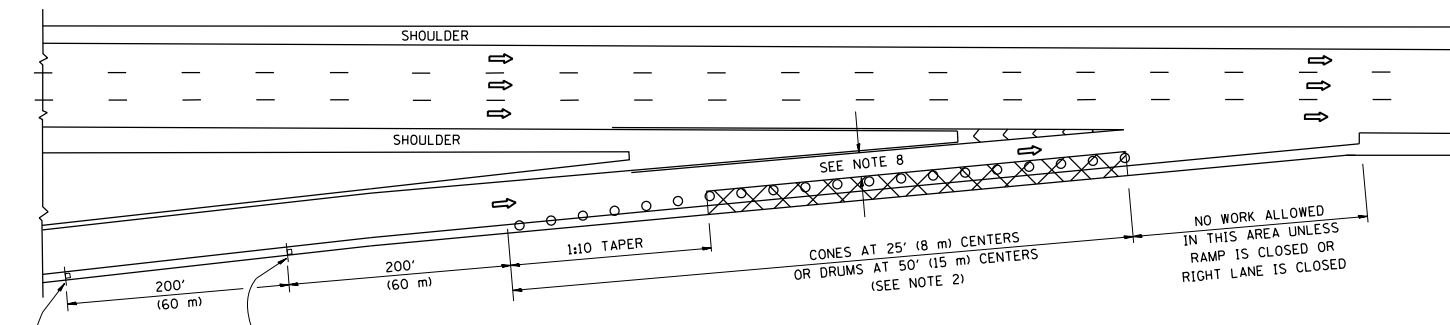
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

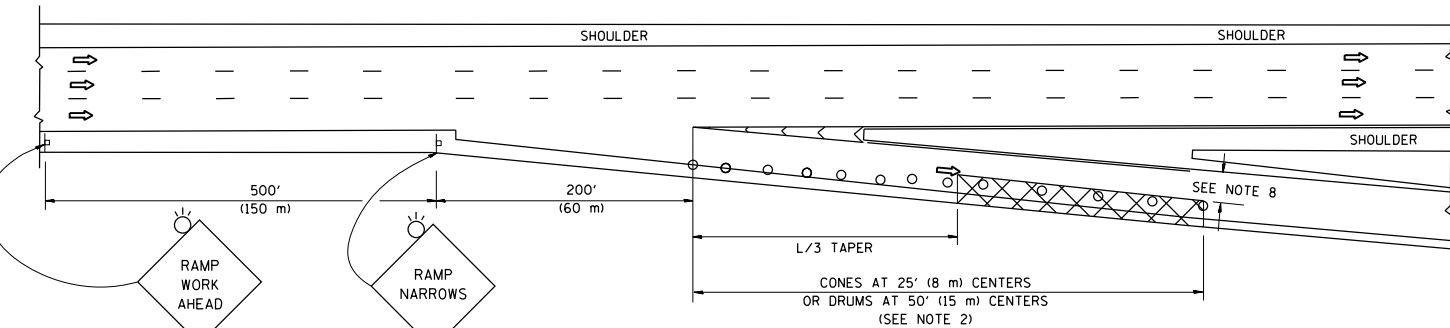
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-0B3-DR	*	35	31
<b>TC-13</b>		<b>CONTRACT NO. 62H33</b>		
ILLINOIS FED. AID PROJECT				

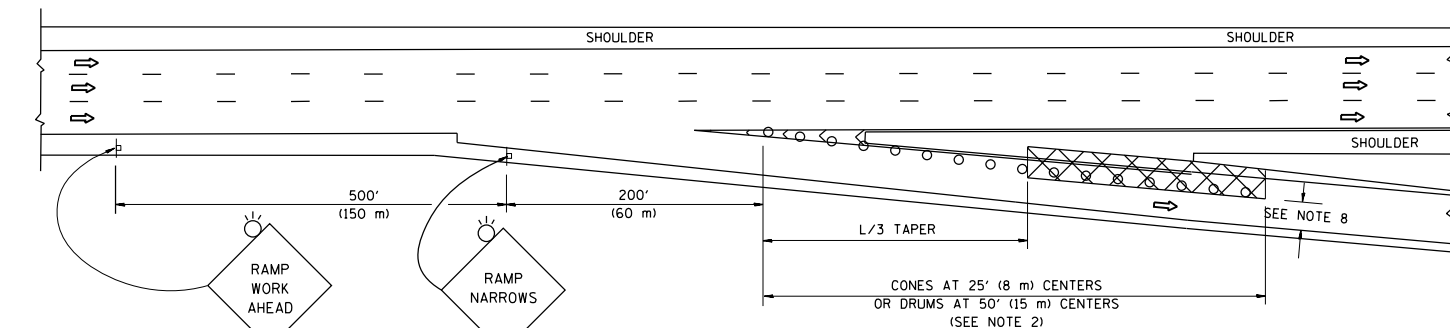
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

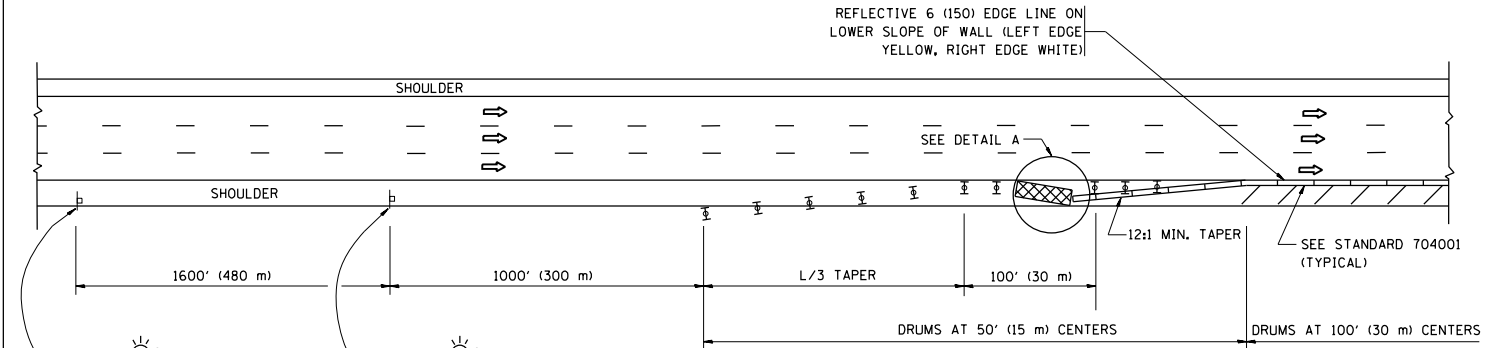
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:  

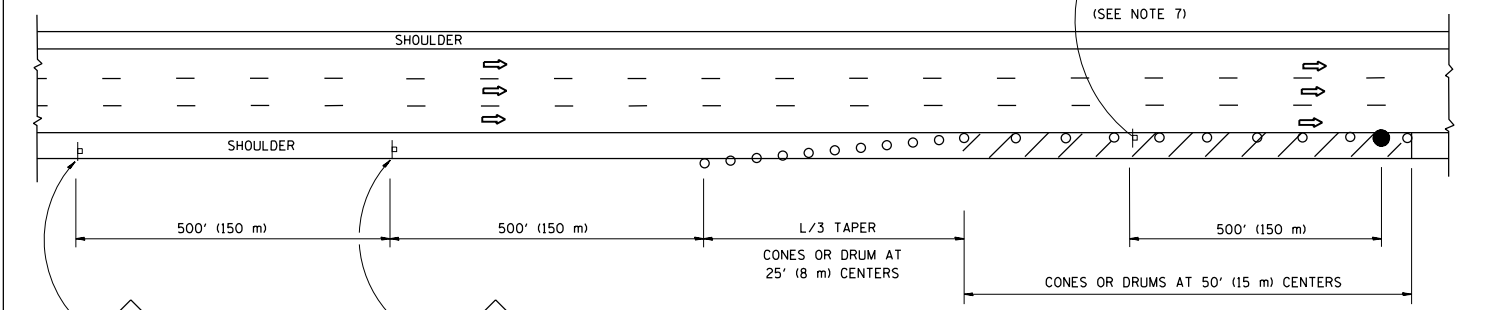
SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH
	$L=0.65(W)(S)$ $L=(W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)  
 S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION  
 16' MIN. WIDTH CURVE SECTION.

SHOULDER CLOSURE DETAILS

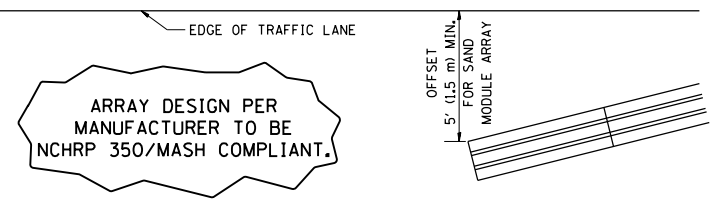


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:  
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



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

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - S.P.B. 01-07
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Default	PLOT SCALE = 100.0000' / 1in.	DATE - 11-96	REVISED - M.D. 06-13
	PLOT DATE = 4/1/2019		REVISED - M.D. 01-18

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY  
 SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

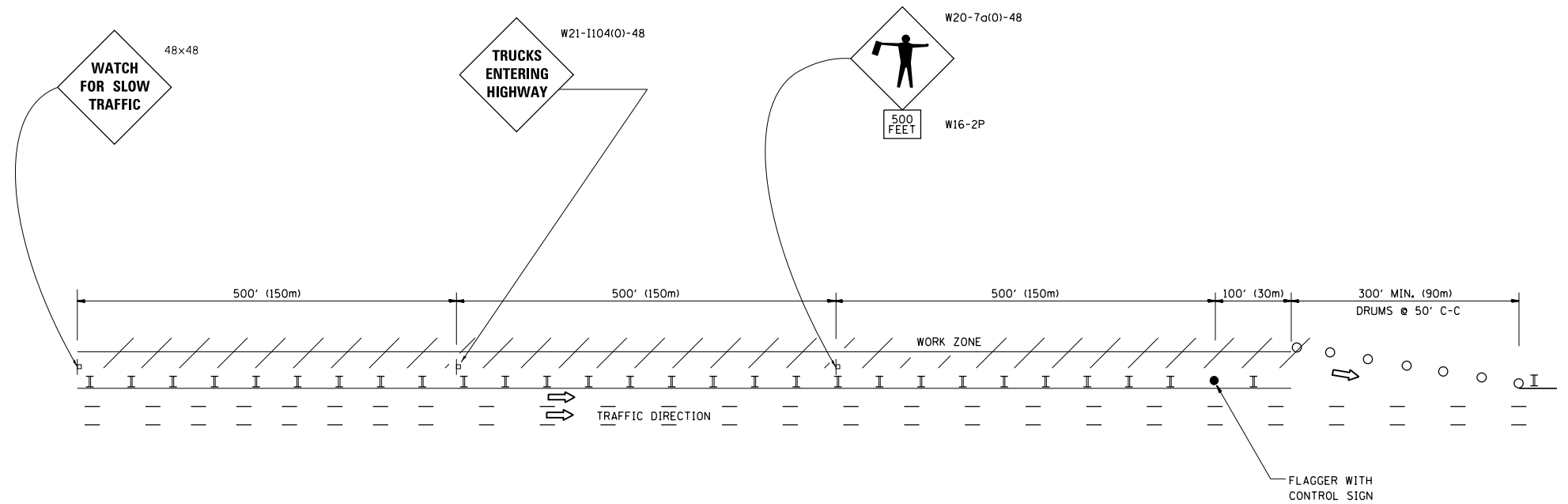
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-0B3-DR	*	35	32
TC-17			CONTRACT NO. 62H33	
ILLINOIS FED. AID PROJECT				

\* COOK, DUPAGE, & LAKE

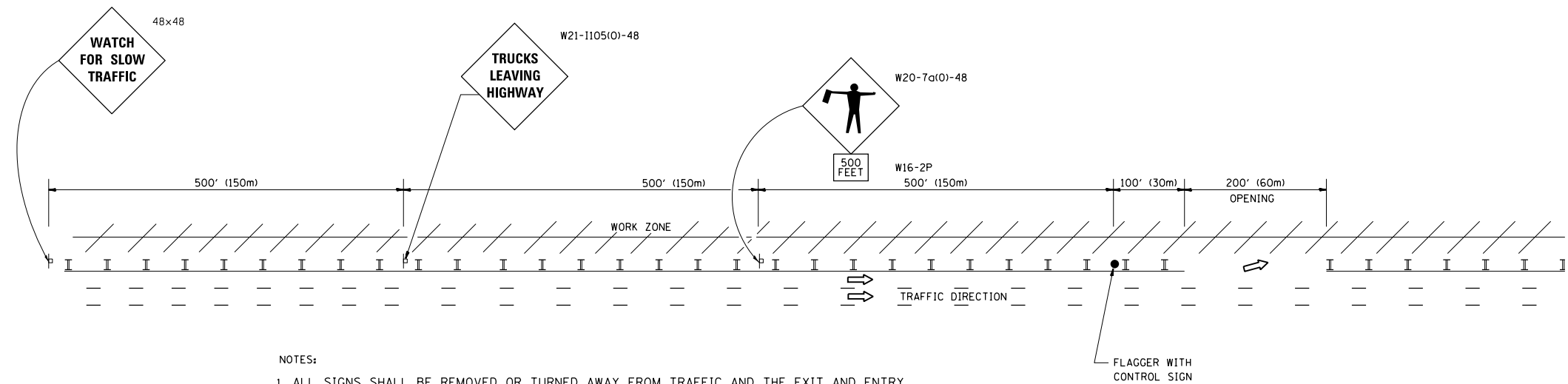


# SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

## WORK ZONE EXIT OPENING



## WORK ZONE ENTRY OPENING



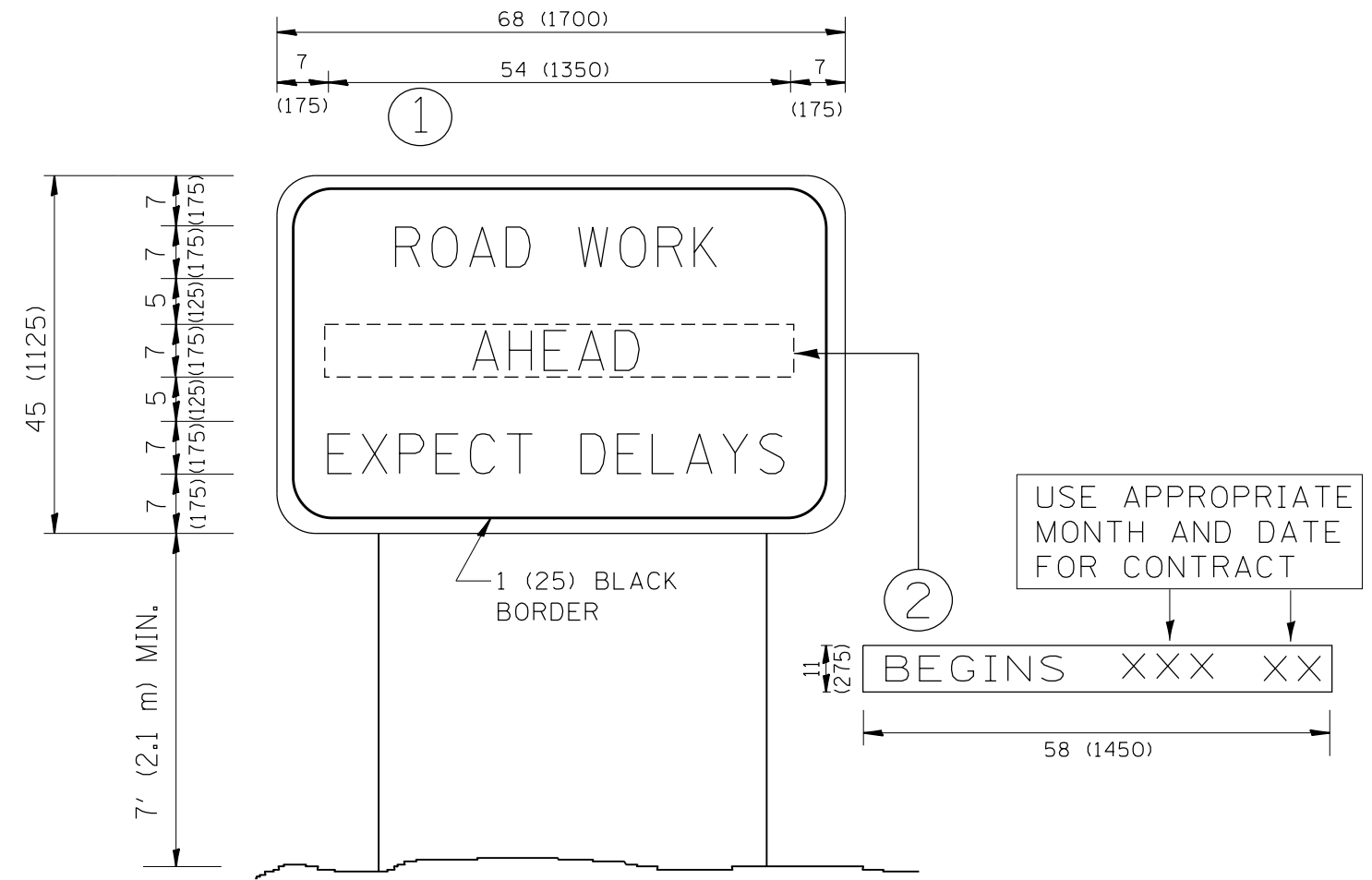
**NOTES:**

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

• COOK, DUPAGE, & LAKE

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - J.A.F. 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010271\PLAN\Design\DistStd.dgn		DRAWN	REVISED - S.P.B. 01-07			VAR.	2018-083-DR	*	35	33
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B. 12-09			<b>TC-18</b>		<b>CONTRACT NO. 62H33</b>		
	PLOT DATE = 4/1/2019	DATE -	REVISED - M.D. 06-13			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1   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.

• COOK, DUPAGE, & LAKE

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - R. MIRS 09-15-97
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010271\		DRAWN -	REVISED - R. MIRS 12-11-97
		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

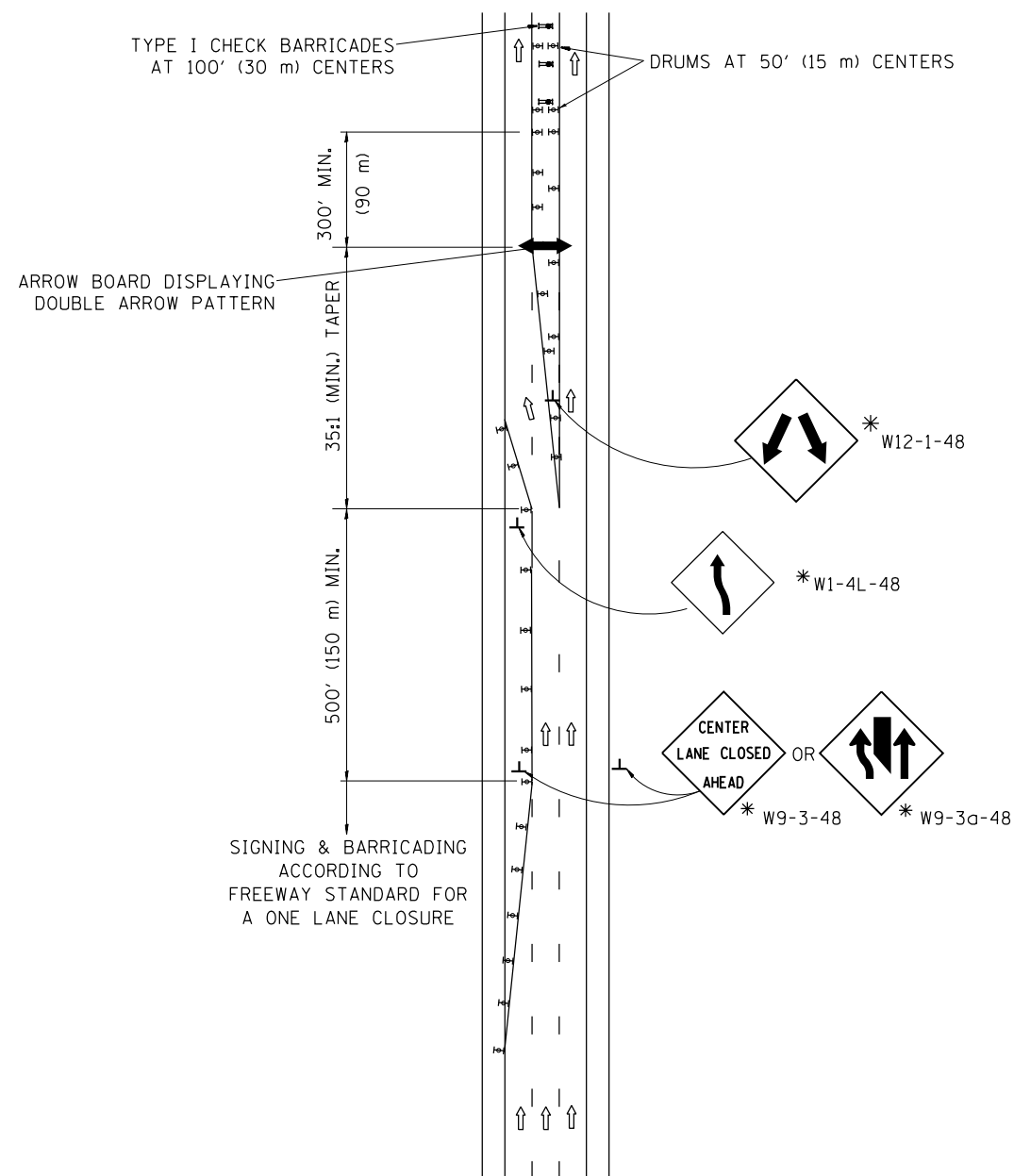
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

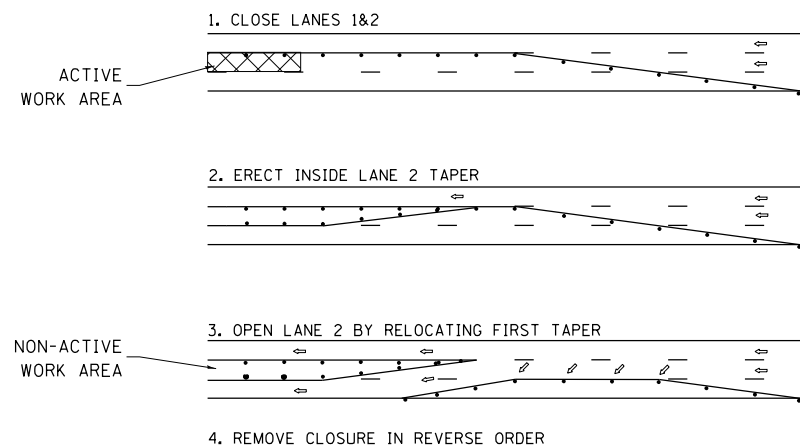
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	*	35	34
<b>TC-22</b>			<b>CONTRACT NO. 62H33</b>	
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

# CENTER LANE CLOSURE



## INSTALLATION SEQUENCE

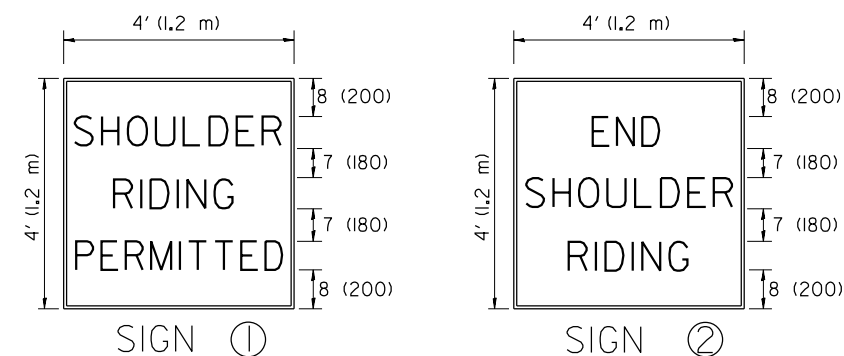
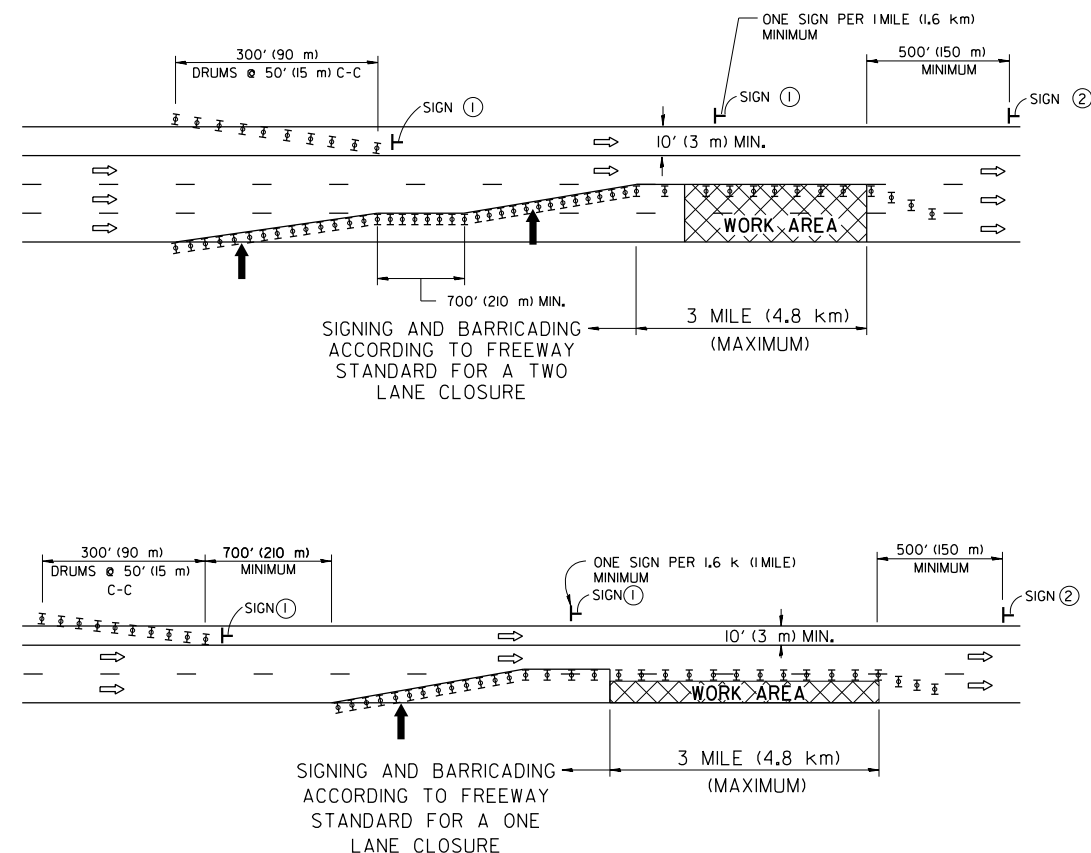


### NOTES

1. DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
2. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.
3. CENTER LANE CLOSURE CONFIGURATION IS NOT TO BE USED WITH WORKERS PRESENT.

# SHOULDER LANE

NOTE: CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



6 (150) SERIES "C" LEGEND  
BLACK LEGEND  
WHITE REFLECT. BACKGROUND  
1(25) BORDER

### SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ➔ ARROWBOARD
- ▣ ACTIVE WORK AREA
- ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT \*
- ⊥ TYPE II BARRICADE, OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

\* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

• COOK, DUPAGE, & LAKE

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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B. 12-09
	PLOT DATE = 4/1/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY  
CENTER LANE CLOSURE SHOULDER LANE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-083-DR	•	35	35
TC-25			CONTRACT NO. 62H33	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				