

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

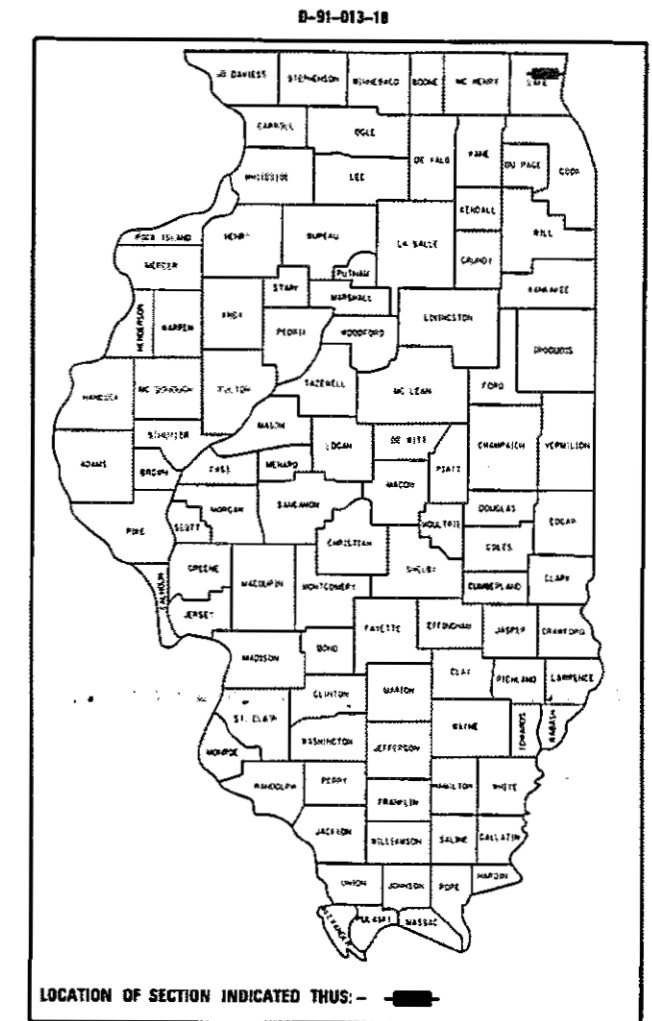
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	G&121-RS-2	LAKE	32	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 62F55		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED
HIGHWAY PLANS**

F.A.P. 333 (ILL 120)
SECTION (G&12)1-RS-2
SEARS BLVD. TO IL 43 (WAUKEGAN RD.) RAMP
RESURFACING (3P), NEW SHOULDERS & MILLED RUMBLE STRIPS
LAKE COUNTY
C-91-014-18
PROJECT: NHPP-B9D1(377)

THE PROJECT IS LOCATED WITHIN
THE VILLAGES OF GRAYSLAKE, GURNEE,
AND THE CITY OF WAUKEGAN.

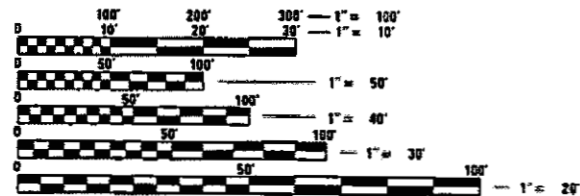


TRAFFIC DATA

2016 ADT - 35,500
POSTED SPEED LIMIT - 35 MPH TO 55 MPH

OMISSION

STA. 151+62 TO STA. 151+93
STA. 167+41 TO STA. 169+19
STA. 211+36 TO STA. 221+28

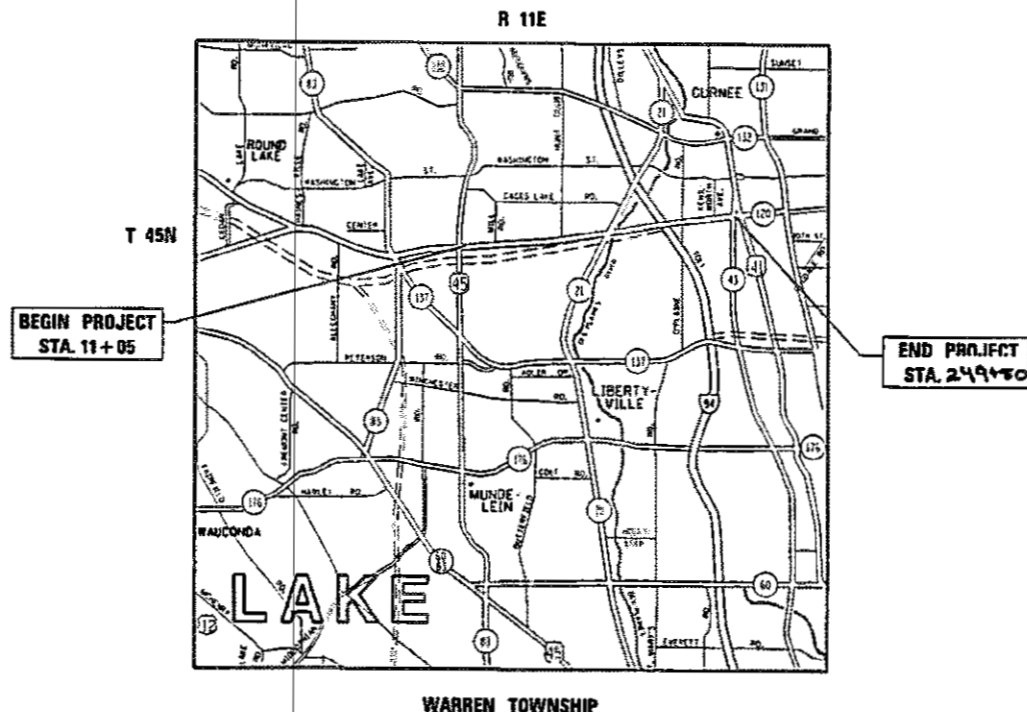


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JENPAI CHANG (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL (847) 702-4247

CONTRACT NO. 62F55



GROSS LENGTH OF PROJECT = 23,845 FT = 4.52 MI.
NET LENGTH OF PROJECT = 22,644 FT = 4.29 MI.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED January 24, 2018
Anthony J. Quigley REGIONAL ENGINEER
Mar 23, 2018
John A. Etk ENGINEER OF DESIGN AND ENVIRONMENT
Mar 23, 2018
Paul P. [Signature] 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, STANDARDS, AND GENERAL NOTES
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6-7	EXISTING & PROPOSED TYPICAL SECTIONS
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17-19	DETECTOR LOOP PLANS
20	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
21	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
22	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
23	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
24	HMA TAPER AT EDGE OF P.C.C. PAVEMENT (BD-33)
25	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
26	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
27	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
28	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
29	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
30	ARTERIAL ROAD INFORMATION SIGN (TC-22)
31	DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)
32	SHOULDER RUMBLE STRIP

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-09	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS, TYPE 1
606001-07	COMBINATION CONCRETE AND GUTTER
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 TO 55 MPH
701423-10	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS > 45 TO 55 MPH
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
701901-07	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

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 IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF GRAYSLAKE, GURNEE, LIBERTYVILLE AND THE CITY OF WAUKEGAN.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (45 KM/H) OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (45 KM/H). WITH WRITTEN APPROVAL FROM 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).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD TECHNICIAN, MR. WALTER CZARNY, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE RESIDENT ENGINEER SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS BEFORE MILLING.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

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.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD 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.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIME DURING CONSTRUCTION.

FILE NAME =	USER NAME = qweahya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 333 (IL 120) SEARS BLVD. TO IL 43 RAMP INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
path: \\IL084EBID\INTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\IDOT\Bridges\State Design\0101318-sht-plan.dgn		CHECKED -	REVISED -			333	(G&I2)1-RS-2	LAKE	32	2	
PLOT SCALE = 100.0002' / in.		DATE -	REVISED -			CONTRACT NO. 62F55					
PLOT DATE = 2/8/2018						SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY				
20200100	EARTH EXCAVATION	CU YD	7524	7524				
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	24	24				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	24	24				
25100630	EROSION CONTROL BLANKET	SQ YD	5280	5280				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	132440	132440				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	266	266				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	7250	7250				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1158	1158				
42001300	PROTECTIVE COAT	SQ YD	562	562				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	124664	124664				
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	2000	2000				
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SQ YD	2500	2500				
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	2200	2200				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	5000	5000				
48203019	HOT-MIX ASPHALT SHOULDERS, 5 1/2"	SO YD	29840	29840				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	3				
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	73920	73920				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1				
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1				
70100325	TRAFFIC CONTROL AND PROTECTION, STANDARD 701423	EACH	1	1				
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				

12

* SPECIALTY ITEM # NON PARTICIPATING ITEM

14

FILE NAME =	USER NAME = gureshja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 120 SUMMARY OF QUANTITIES			F.A.P. RTE. 333	SECTION (G&I)21-RS-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 3
OFFICE =	PROJECT =	CHECKED -	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
PLLOT SCALE = 1/8" = 100.0000' / 1/4"	DATE = 2/8/2018	DATE -	REVISED -									

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5210	5210			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	5210	5210			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1066	1066			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	115258	115258			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2510	2510			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	500	500			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	850	850			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1250	1250			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1250	1250			
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1066	1066			
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	52516	52516			
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2510	2510			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY			
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	500	500			
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	850	850			
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1250	1250			
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2358	2358			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	3250	3250			
*88600600	DETECTOR LOOP REPLACEMENT	FOOT	1945	1945			
X0327980	PAVEMENT MARKING REMOVAL -- WATER BLASTING	SO FT	522	522			
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	952	952			
X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	TON	16459	16459			
*X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2000	2000			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	6	6			
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	400	400			* SPECIALTY ITEM # NON PARTICIPATING ITEM

FILE NAME:
 USER NAME: gureshya
 PLOT SCALE: 100,000' / 1"
 PLOT DATE: 2/8/2008

DESIGNED -
 REVISIONS -
 CHECKED -
 DATE -

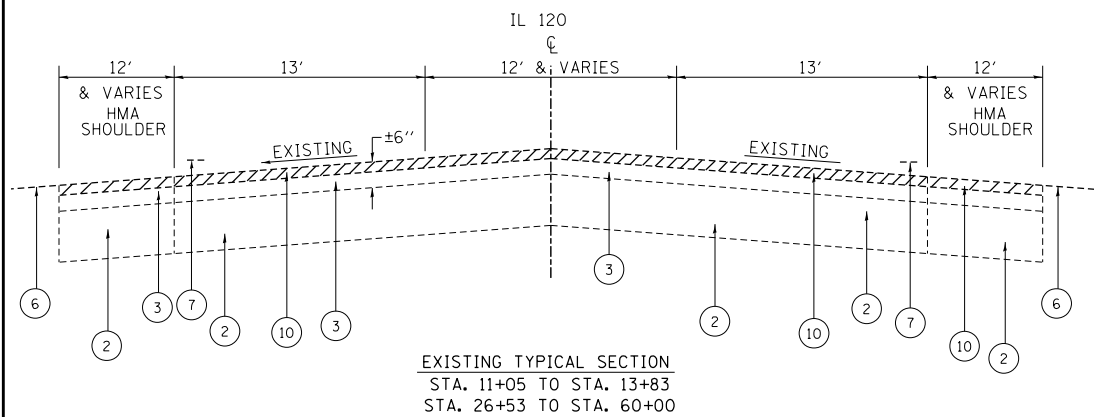
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 120
SUMMARY OF QUANTITIES

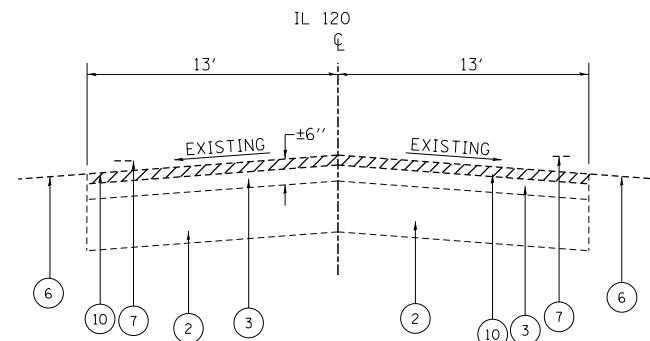
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F.A.P. RTE. 333 SECTION (G&I)21-RS-2 COUNTY LAKE TOTAL SHEETS 32 SHEET NO. 4 CONTRACT NO. 62F55
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

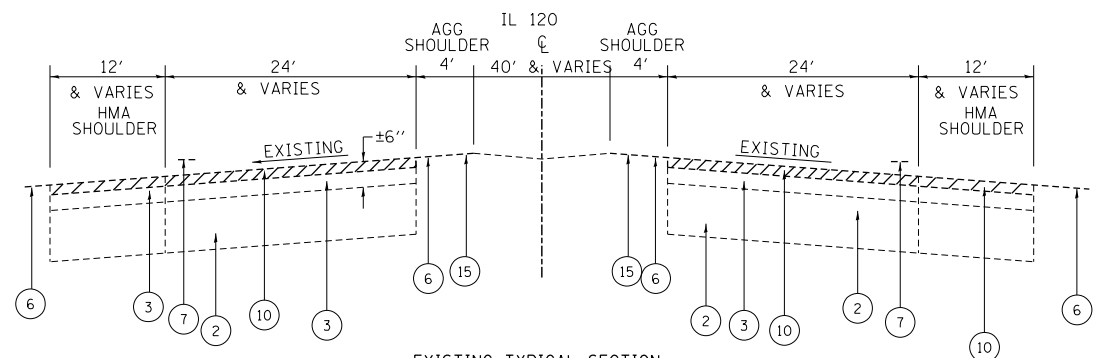
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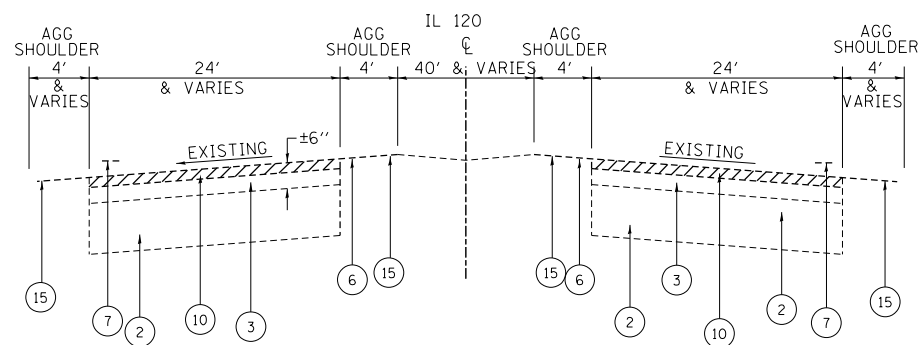
EXISTING TYPICAL SECTION
STA. 11+05 TO STA. 13+83
STA. 26+53 TO STA. 60+00



EXISTING TYPICAL SECTION
STA. 13+83 TO STA. 26+53



EXISTING TYPICAL SECTION
STA. 60+00 TO STA. 66+66



EXISTING TYPICAL SECTION
STA. 66+66 TO STA. 151+62
STA. 151+93 TO STA. 167+41
STA. 169+19 TO STA. 211+36
STA. 221+28 TO STA. 249+50

NOTE
THE CONTRACTOR MILL FIRST BEFORE PATCHING

LEGEND

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
2. EXISTING P.C. CONCRETE PAVEMENT ± 11"
3. EXISTING HMA SURFACE COURSE ± 3 3/4" (AFTER MILLING)
4. EXISTING AGGREGATE SUBGRADE ± 12"
5. EXISTING SUB-BASE ± 6"
6. EXISTING AGGREGATE SHOULDER, 8"
7. EXISTING PAVEMENT MARKING
8. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
9. PROPOSED GRADING AND SHAPING SHOULDER
10. PROPOSED HMA SURFACE REMOVAL, 2 1/2"
11. PROPOSED HMA SHOULDER
12. PROPOSED COMBINATION CONCRETE CURB AND GUTTER (WHERE NECESSARY)
13. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
14. PROPOSED POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80, 1 3/4"
15. PROPOSED AGGREGATE SHOULDER REMOVAL
16. PROPOSED PAVEMENT MARKING
17. PROPOSED SHOULDER RUMBLE STRIP, 16"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
PAVEMENT & SHOULDER RESURFACING		
POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80	3.5% @ 80 GYR.	PFP
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50	3.5% @ 50 GYR.	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/QA
SHOULDER		
HMA SHOULDER, 5 1/2"		
HMA SURFACE COURSE, MIX D, N70 (IL-9.5 MM)	4% @ 70 GYR.	QC/QA
HMA BINDER COURSE, IL-19.0, N70	4% @ 70 GYR.	
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT 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 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 (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

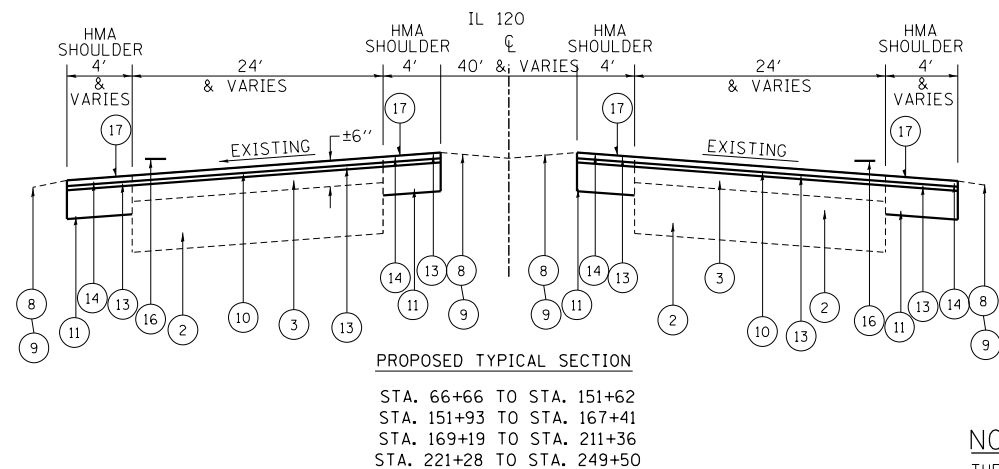
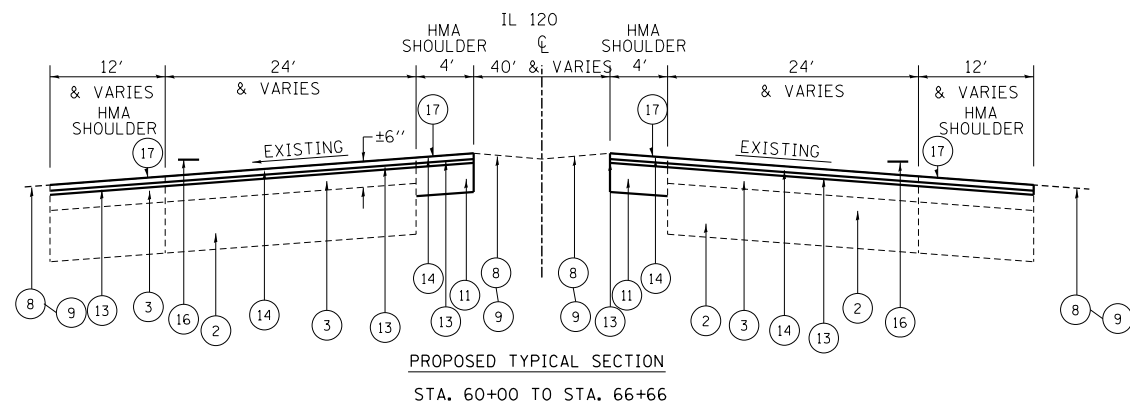
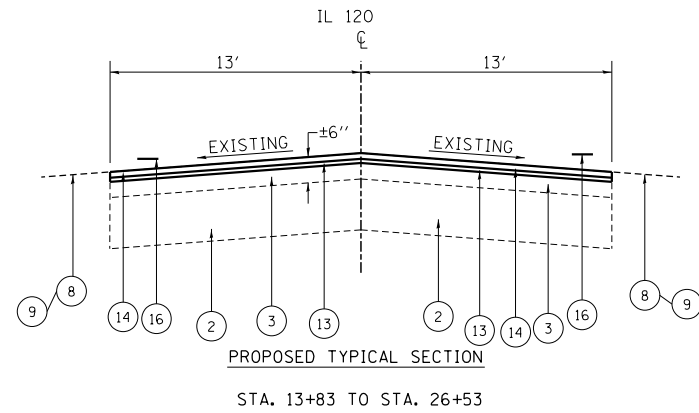
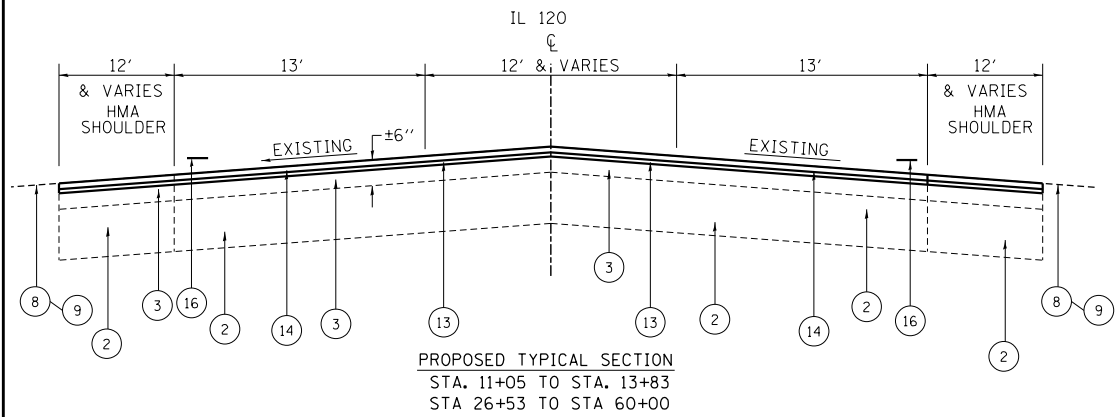
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PLOT DATE = 1/31/2018		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 120
EXISTING & PROPOSED TYPICAL SECTIONS**

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	IG&1211-RS-2	LAKE	32	6
CONTRACT NO. 62F55				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE
THE CONTRACTOR MILL FIRST BEFORE PATCHING

LEGEND

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
2. EXISTING P.C. CONCRETE PAVEMENT ± 11"
3. EXISTING HMA SURFACE COURSE ± 3¾" (AFTER MILLING)
4. EXISTING AGGREGATE SUBGRADE ± 12"
5. EXISTING SUB-BASE ± 6"
6. EXISTING AGGREGATE SHOULDER, 8"
7. EXISTING PAVEMENT MARKING
8. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
9. PROPOSED GRADING AND SHAPING SHOULDER
10. PROPOSED HMA SURFACE REMOVAL, 2½"
11. PROPOSED HMA SHOULDER
12. PROPOSED COMBINATION CONCRETE CURB AND GUTTER (WHERE NECESSARY)
13. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
14. PROPOSED POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80, 1¾"
15. PROPOSED AGGREGATE SHOULDER REMOVAL
16. PROPOSED PAVEMENT MARKING
17. PROPOSED SHOULDER RUMBLE STRIP, 16"

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PLOT DATE = 1/31/2018	DATE -	REVISED -	REVISED -

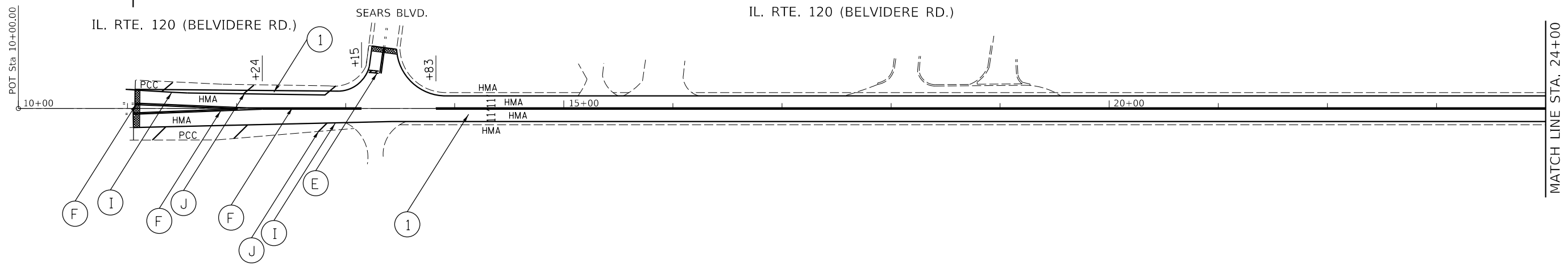
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 120
EXISTING & PROPOSED TYPICAL SECTIONS**

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	IG&1211-RS-2	LAKE	32	7
CONTRACT NO. 62F55				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

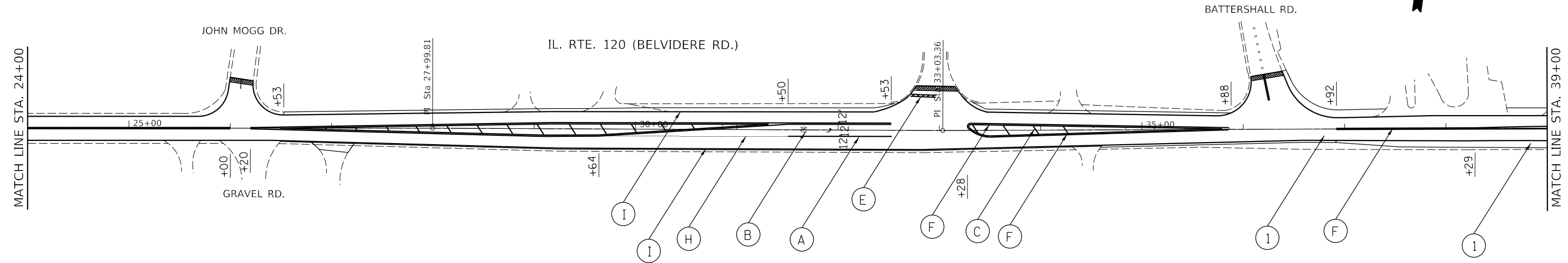
**PROJECT BEGINS
STA. 11+05**



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.) (MIN. OF 5 EQUALLY SPACED)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)

- (H) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (M) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (N) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (O) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, YELLOW(TYP.)
- (P) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (Q) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80, 1 3/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) REMOVE EXISTING 4' AGGREGATE SHOULDER
PROP. 4' HMA SHOULDER
PROP. 16" RUMBLE STRIP
- (3) PROP. 16" RUMBLE STRIP



HMA SURFACE REMOVAL BUTT JOINT, 4.5'

NOTE: PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
RAISED REFLECTIVE PAVEMENT PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.

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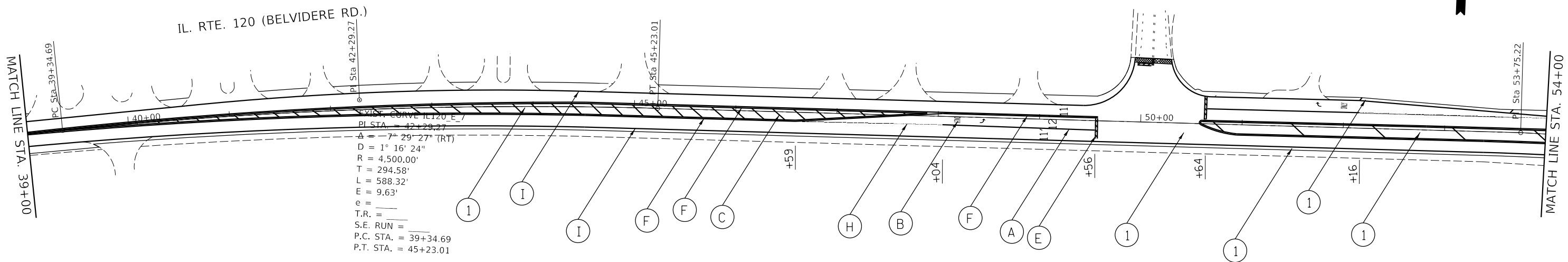
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

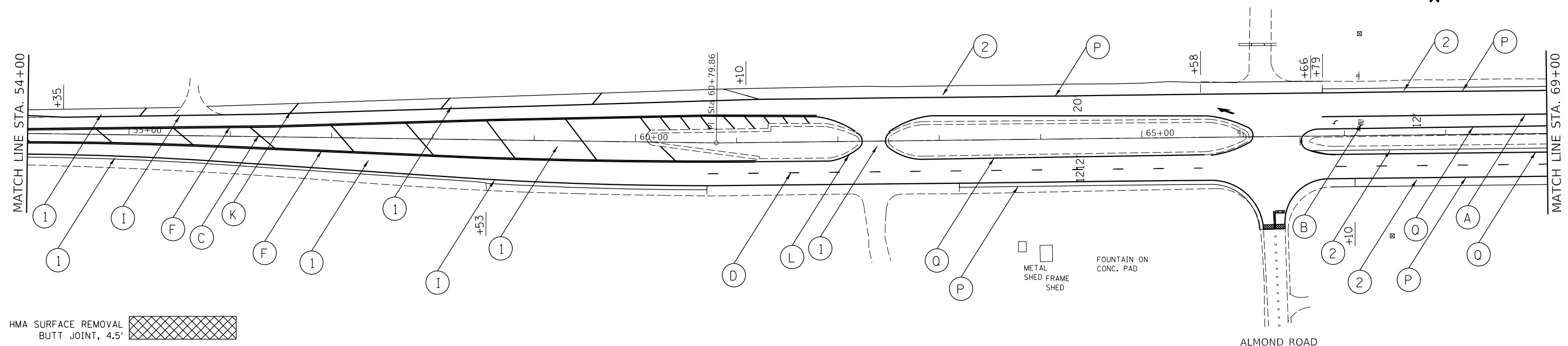
EXISTING AND PROPOSED ROADWAY PLAN
IL. RTE. 120 (BELVIDERE RD.) (SEARS BLVD. TO IL. RTE 43 RAMPS)

F.A.P. RTE. 333	SECTION (G&I2)1-R5-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 8
CONTRACT NO. 62F55				
ILLINOIS FED. AID PROJECT				

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



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.) (MIN. OF 5 EQUALLY SPACED)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (M) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (N) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (O) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, YELLOW (TYP.)
- (P) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (Q) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80, 1 3/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) REMOVE EXISTING 4" AGGREGATE SHOULDER
PROP. 4" HMA SHOULDER
PROP. 16" RUMBLE STRIP
- (3) PROP. 16" RUMBLE STRIP



NOTE: PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
RAISED REFLECTIVE PAVEMENT PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

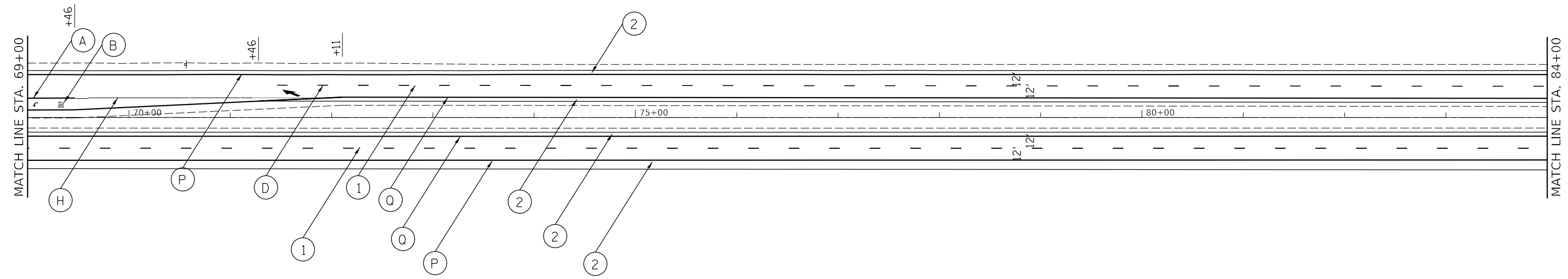
**EXISTING AND PROPOSED ROADWAY PLAN
IL. RTE. 120 (BELVIDERE RD.) (SEARS BLVD. TO IL. RTE 43 RAMPS)**

F.A.P. RTE. 333	SECTION (G&I2)1-R5-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 9
CONTRACT NO. 62F55				
ILLINOIS FED. AID PROJECT				

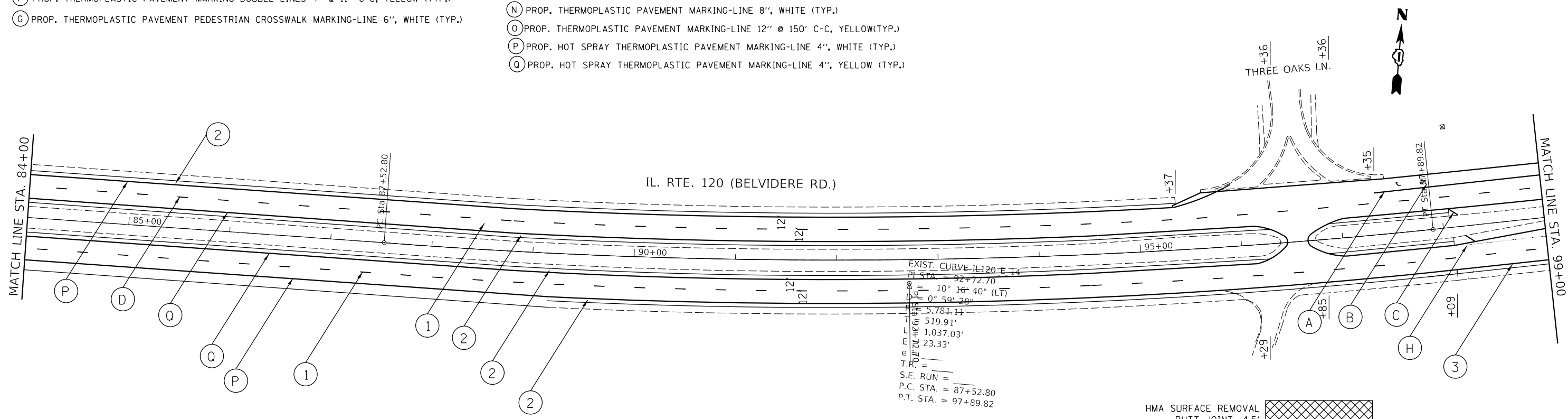
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IL. RTE. 120 (BELVIDERE RD.)



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.) (MIN. OF 5 EQUALLY SPACED)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (M) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (N) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (O) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, YELLOW(TYP.)
- (P) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (Q) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" PROP. POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80, 1 3/4" PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) REMOVE EXISTING 4" AGGREGATE SHOULDER PROP. 4' HMA SHOULDER PROP. 16" RUMBLE STRIP
- (3) PROP. 16" RUMBLE STRIP



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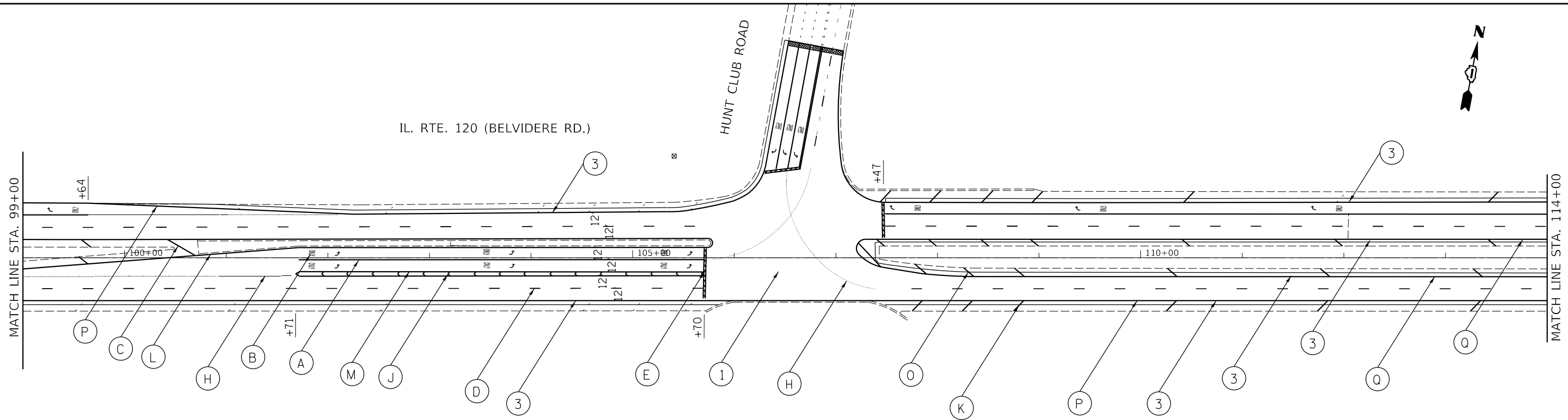
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL. RTE. 120 (BELVIDERE RD.) (SEARS BLVD. TO IL. RTE 43 RAMPS)

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

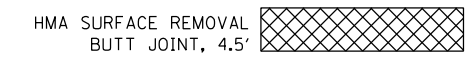
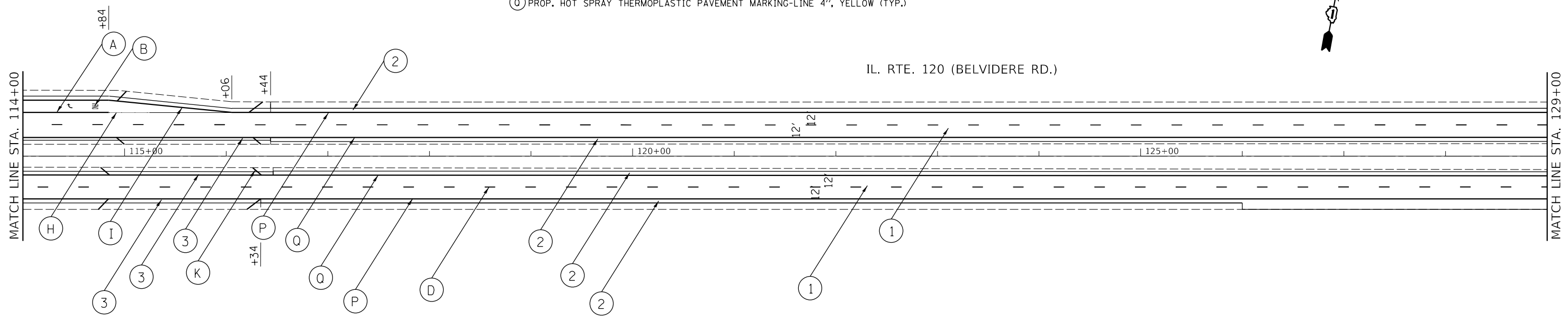
F.A.P. RTE. 333	SECTION (G&I2)1-R5-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 10
CONTRACT NO. 62F55				
ILLINOIS FED. AID PROJECT				



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.) (MIN. OF 5 EQUALLY SPACED)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)

- (H) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (M) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (N) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (O) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, YELLOW (TYP.)
- (P) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (Q) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80, 1 3/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) REMOVE EXISTING 4' AGGREGATE SHOULDER
PROP. 4' HMA SHOULDER
PROP. 16" RUMBLE STRIP
- (3) PROP. 16" RUMBLE STRIP



NOTE: PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
RAISED REFLECTIVE PAVEMENT PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.

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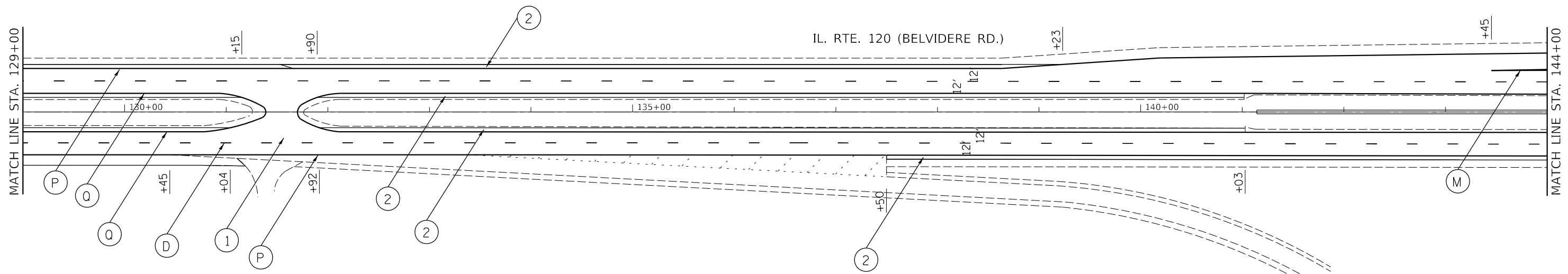
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL. RTE. 120 (BELVIDERE RD.) (SEARS BLVD. TO IL. RTE 43 RAMPS)

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

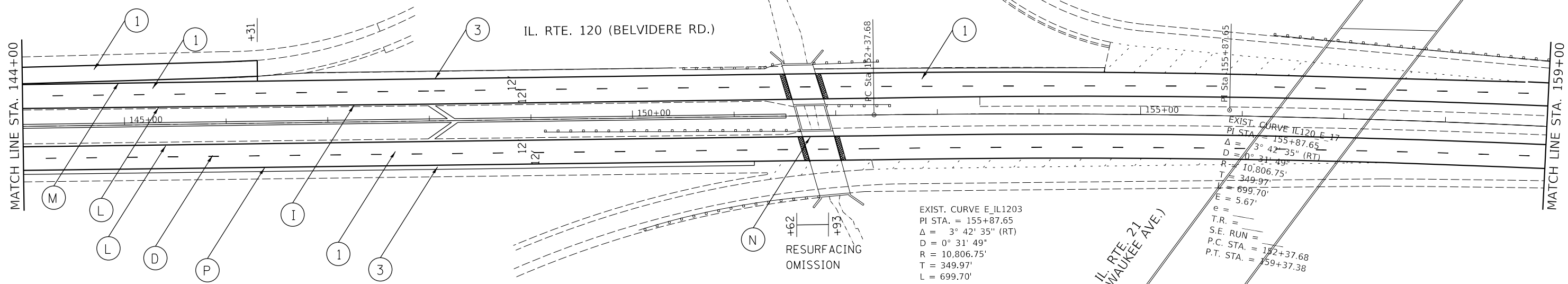
F.A.P. RTE. 333	SECTION (G&I2)1-R5-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 11
CONTRACT NO. 62F55				
ILLINOIS FED. AID PROJECT				



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.) (MIN. OF 5 EQUALLY SPACED)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)

- (H) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (M) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (N) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (O) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, YELLOW(TYP.)
- (P) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (Q) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80, 1 3/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) REMOVE EXISTING 4' AGGREGATE SHOULDER
PROP. 4' HMA SHOULDER
PROP. 16" RUMBLE STRIP
- (3) PROP. 16" RUMBLE STRIP



EXIST. CURVE E_IL1203
 PI STA. = 155+87.65
 Δ = 3° 42' 35" (RT)
 D = 0° 31' 49"
 R = 10,806.75'
 T = 349.97'
 L = 699.70'
 E = 5.67'
 e =
 T.R. =
 S.E. RUN =
 P.C. STA. = 152+37.68
 P.T. STA. = 159+37.38

HMA SURFACE REMOVAL
 BUTT JOINT, 4.5'

NOTE: PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
 RAISED REFLECTIVE PAVEMENT PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.

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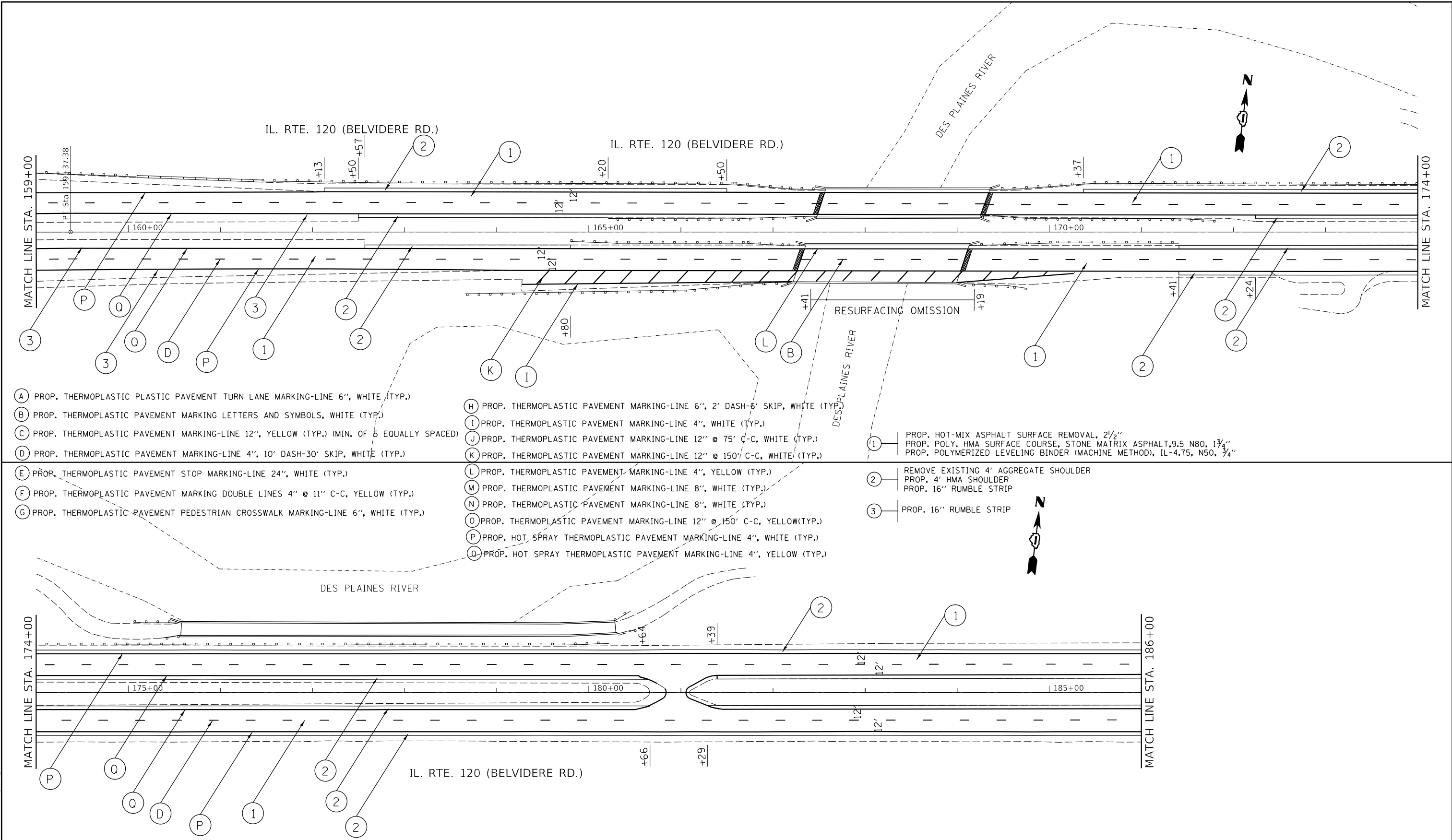
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
 IL. RTE. 120 (BELVIDERE RD.) (SEARS BLVD. TO IL. RTE 43 RAMPS)**

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

F.A.P. RTE. 333	SECTION (G&I)1-RS-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 12
CONTRACT NO. 62F55				
		ILLINOIS	FED. AID PROJECT	



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.) (MIN. OF 5 EQUALLY SPACED)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (M) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (N) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (O) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, YELLOW (TYP.)
- (P) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (Q) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (2) REMOVE EXISTING 4' AGGREGATE SHOULDER
PROP. 4' HMA SHOULDER
PROP. 16" RUMBLE STRIP
- (3) PROP. 16" RUMBLE STRIP

HMA SURFACE REMOVAL BUTT JOINT, 4.5'

NOTE: PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
RAISED REFLECTIVE PAVEMENT PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.

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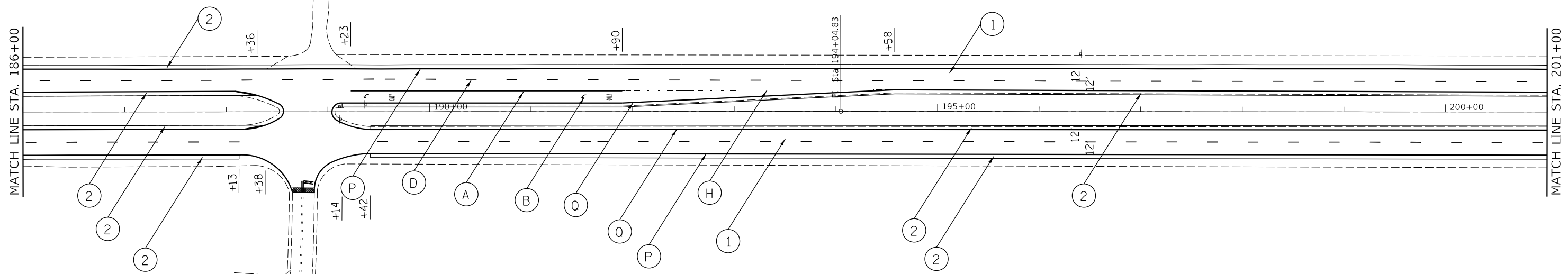
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLAN			
IL. RTE. 120 (BELVIDERE RD.) (SEARS BLVD. TO IL. RTE 43 RAMPS)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 333	SECTION (G&I2)1-R5-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 13
CONTRACT NO. 62F55				
ILLINOIS FED. AID PROJECT				



IL. RTE. 120 (BELVIDERE RD.)



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.) (MIN. OF 5 EQUALLY SPACED)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)

- (H) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (M) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (N) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (O) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, YELLOW(TYP.)
- (P) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (Q) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)

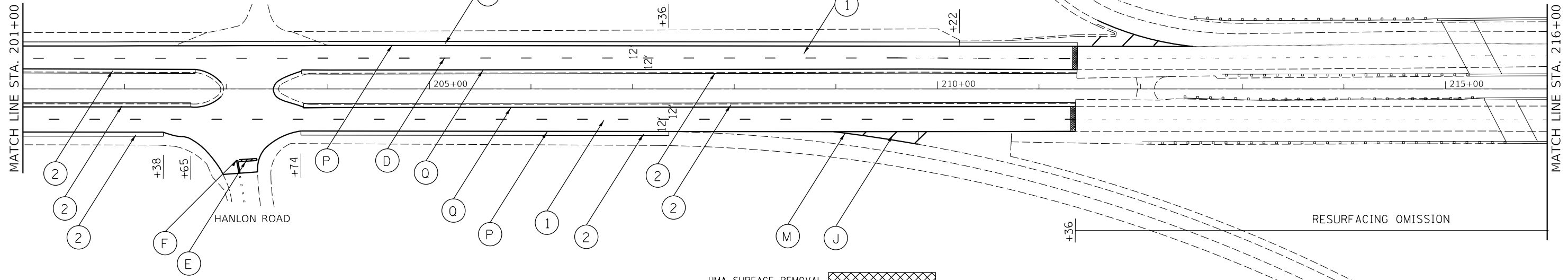
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" PROP. POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80, 1 3/4" PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

- (3) PROP. 16" RUMBLE STRIP

- (2) REMOVE EXISTING 4' AGGREGATE SHOULDER PROP. 4' HMA SHOULDER PROP. 16" RUMBLE STRIP



IL. RTE. 120 (BELVIDERE RD.)



HMA SURFACE REMOVAL
 BUTT JOINT, 4.5'

NOTE: PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.

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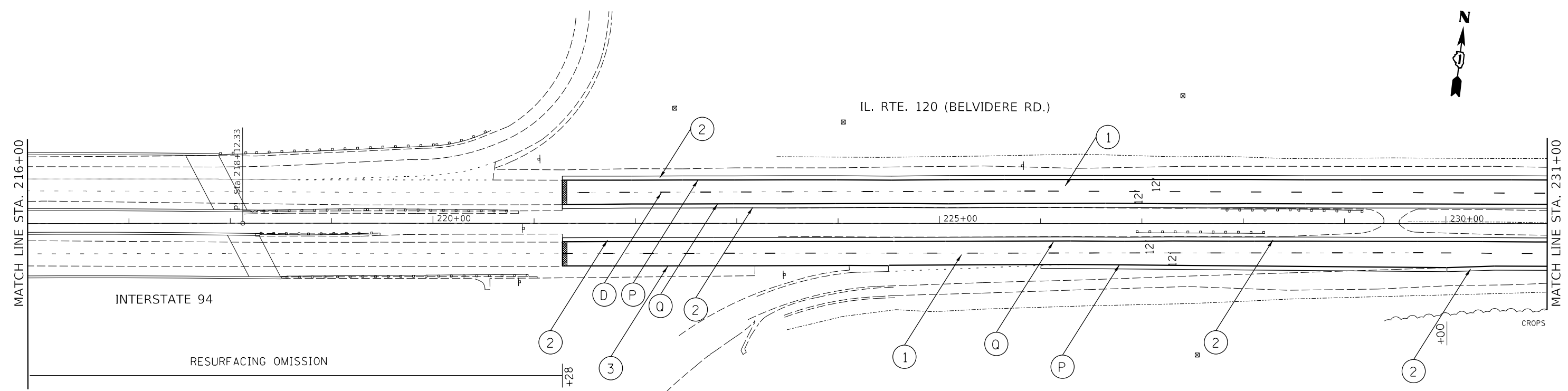
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PLOT DATE = 2/1/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

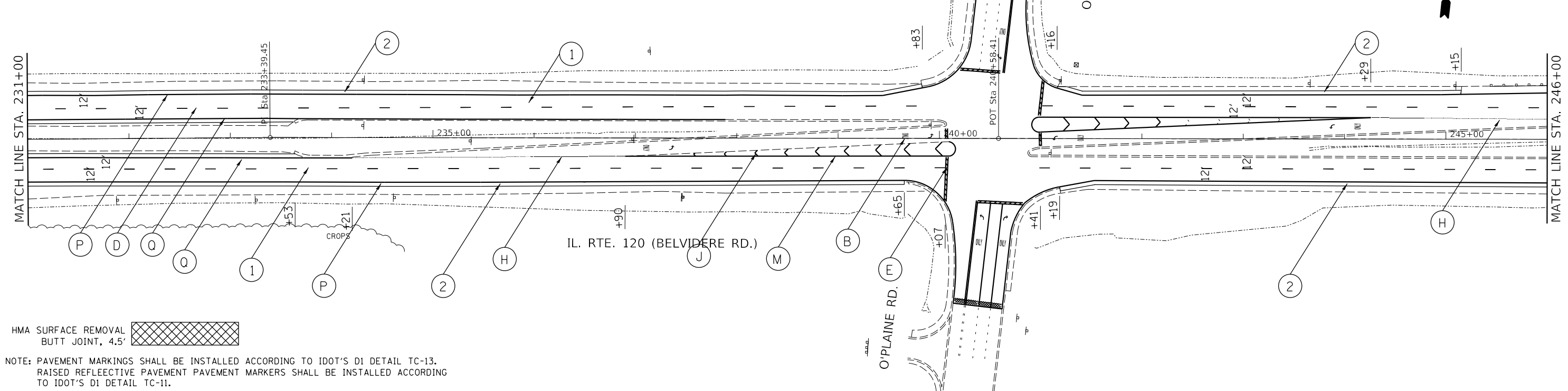
**EXISTING AND PROPOSED ROADWAY PLAN
 IL. RTE. 120 (BELVIDERE RD.) (SEARS BLVD. TO IL. RTE 43 RAMPS)**

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

F.A.P. RTE. 333	SECTION (G&I)1-RS-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 14
CONTRACT NO. 62F55				
ILLINOIS FED. AID PROJECT				



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.) (MIN. OF 5 EQUALLY SPACED)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (M) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (N) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", YELLOW (TYP.)
- (O) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, YELLOW (TYP.)
- (P) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (Q) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" PROP. POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 N80, 1 3/4" PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) REMOVE EXISTING 4' AGGREGATE SHOULDER PROP. 4' HMA SHOULDER PROP. 16" RUMBLE STRIP
- (3) PROP. 16" RUMBLE STRIP



HMA SURFACE REMOVAL BUTT JOINT, 4.5'

NOTE: PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
RAISED REFLECTIVE PAVEMENT PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.

USER NAME = qureshiya	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/1/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
IL. RTE. 120 (BELVIDERE RD.) (SEARS BLVD. TO IL. RTE 43 RAMPS)**

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

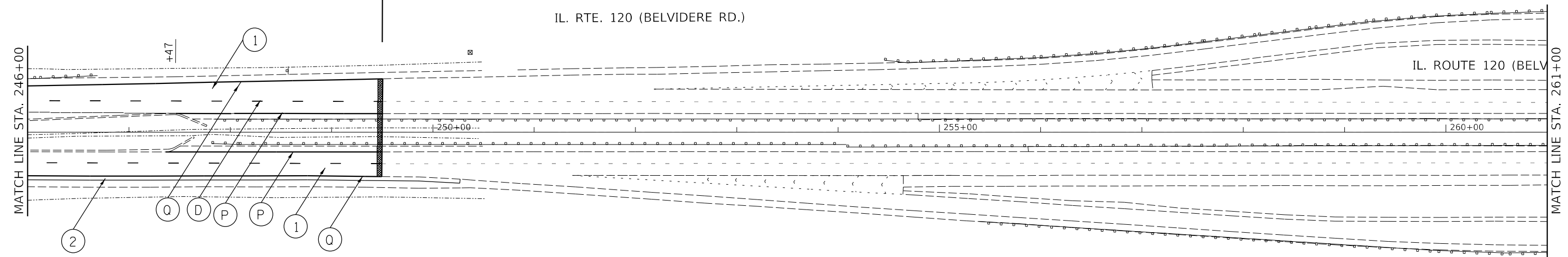
F.A.P. RTE. 333	SECTION (G&I2)1-R5-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 15
CONTRACT NO. 62F55				
ILLINOIS FED. AID PROJECT				

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**PROJECT ENDS
STA. 249 + 50**

IL. RTE. 120 (BELVIDERE RD.)



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.) (MIN. OF 5 EQUALLY SPACED)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)

- (H) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (M) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (N) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (O) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 150' C-C, YELLOW(TYP.)
- (P) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (Q) PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80, 1 3/4"
- (2) REMOVE EXISTING 4' AGGREGATE SHOULDER
PROP. 4' HMA SHOULDER
PROP. 16" RUMBLE STRIP
- (3) PROP. 16" RUMBLE STRIP

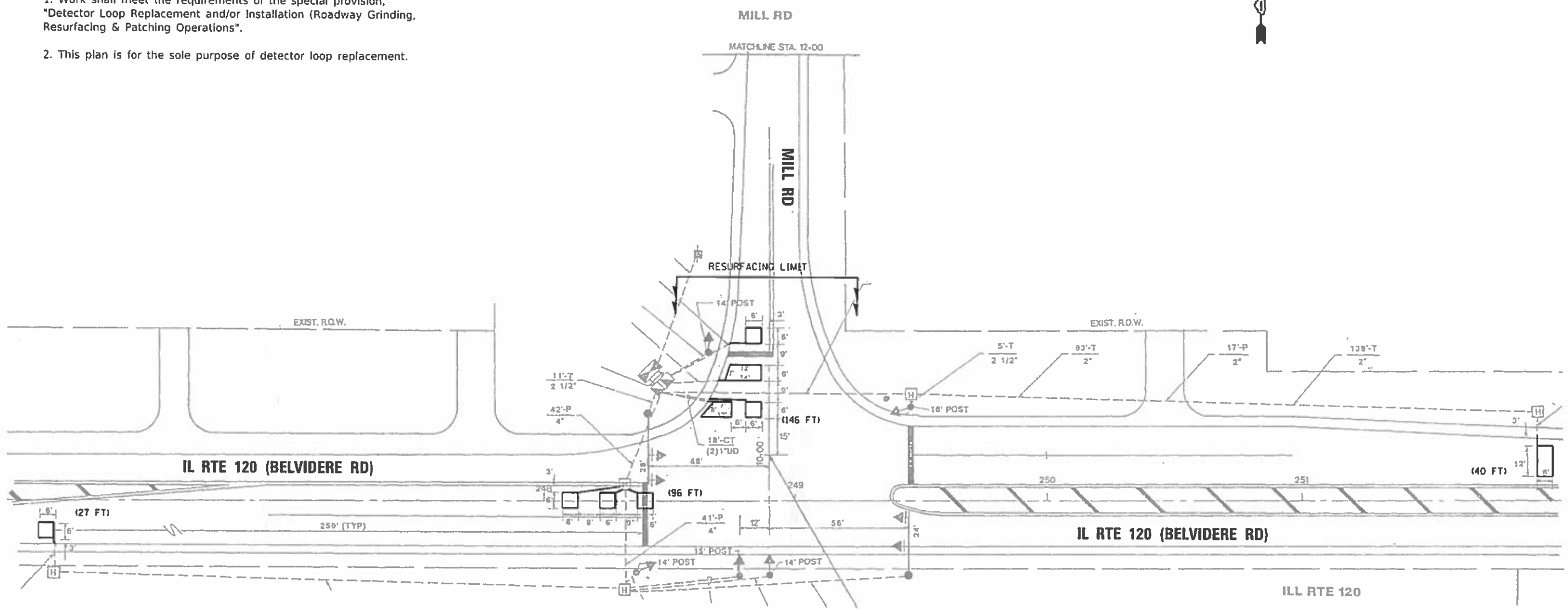
HMA SURFACE REMOVAL
BUTT JOINT, 4.5'

NOTE: PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
RAISED REFLECTIVE PAVEMENT PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.

FILE NAME = c:\pwork\pwork\idot\qureshiya\0530190\010	USER NAME = qureshiya 318-sht-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED ROADWAY PLAN IL. RTE. 120 (BELVIDERE RD.) (SEARS BLVD. TO IL. RTE 43 RAMPS)			F.A.P. RTE. 333	SECTION CG&1211-R5-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 16
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 62F55			
PLOT DATE = 2/1/2018	DATE -	REVISED -	REVISED -		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	309	FOOT

MODEL: D:\pvt\...
 FILE NAME: S:\VMP\Design\Detector Loops\162755 - IL RTE 120 (Belvidere Rd) from Sears Blvd to IL RTE 43 Ramapo\CAD\15121969 - IL RTE 120 AT MILL RD 11132017.dwg

USER NAME = snowba	DESIGNED - B5	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - B5	REVISED -
PLOT DATE = 11/13/2017	CHECKED - LP	REVISED -
	DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

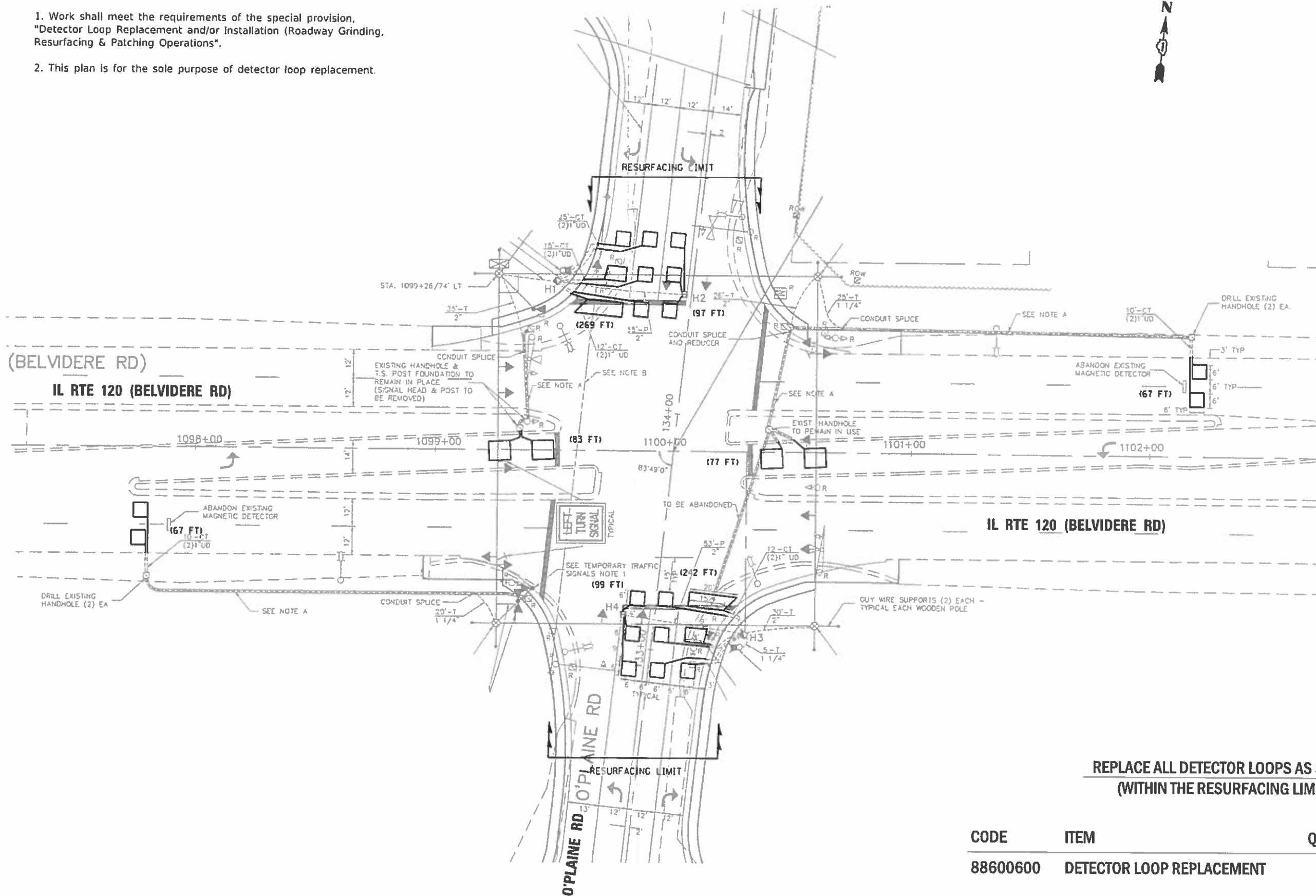
**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 120 (BELVIDERE RD) AT MILL RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	(G & 12) 1-RS-2	LAKE	32	17
CONTRACT NO. 62F55				
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	1,001	FOOT

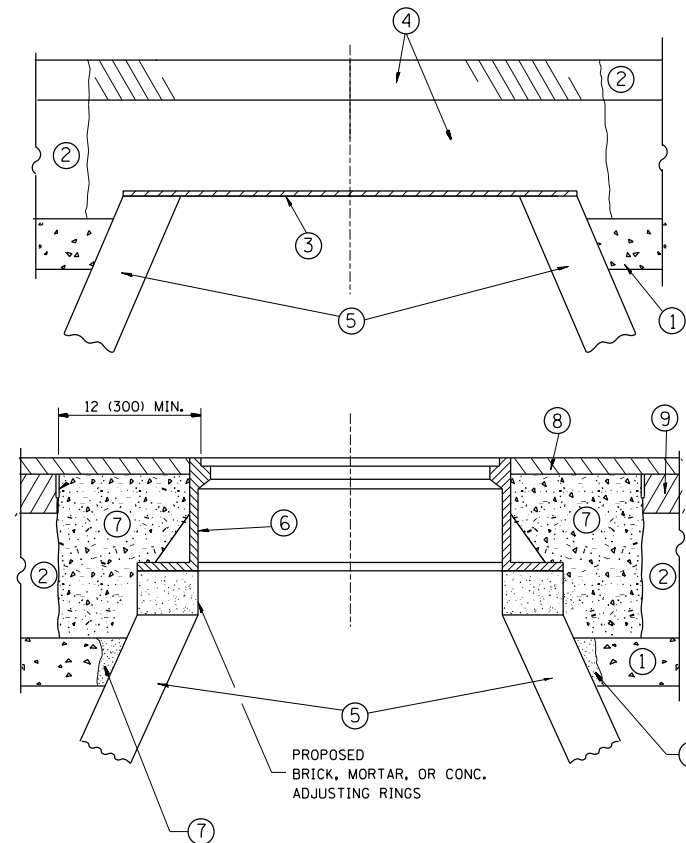
MODEL: Default
 FILE NAME: C:\WP\Detector\Loop\120 Belvidere Rd from Sp411 Blvd to IL RTE 120 (Belvidere Rd) from Sp411 Blvd to IL RTE 120 AT O'PLAINE RD 11112017.dwg

USER NAME = snowba	DESIGNED - BS	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - BS	REVISED -
PLOT DATE = 11/13/2017	CHECKED - LP	REVISED -
	DATE - 11/13/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL RTE 120 (BELVIDERE RD) AT O'PLAINE RD

F.A. RTE. 333	SECTION (G & 12) 1-R5-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 19
CONTRACT NO. 62F55				
ILLINOIS TED. AID PROJECT				



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 A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

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

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:

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)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

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.

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.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

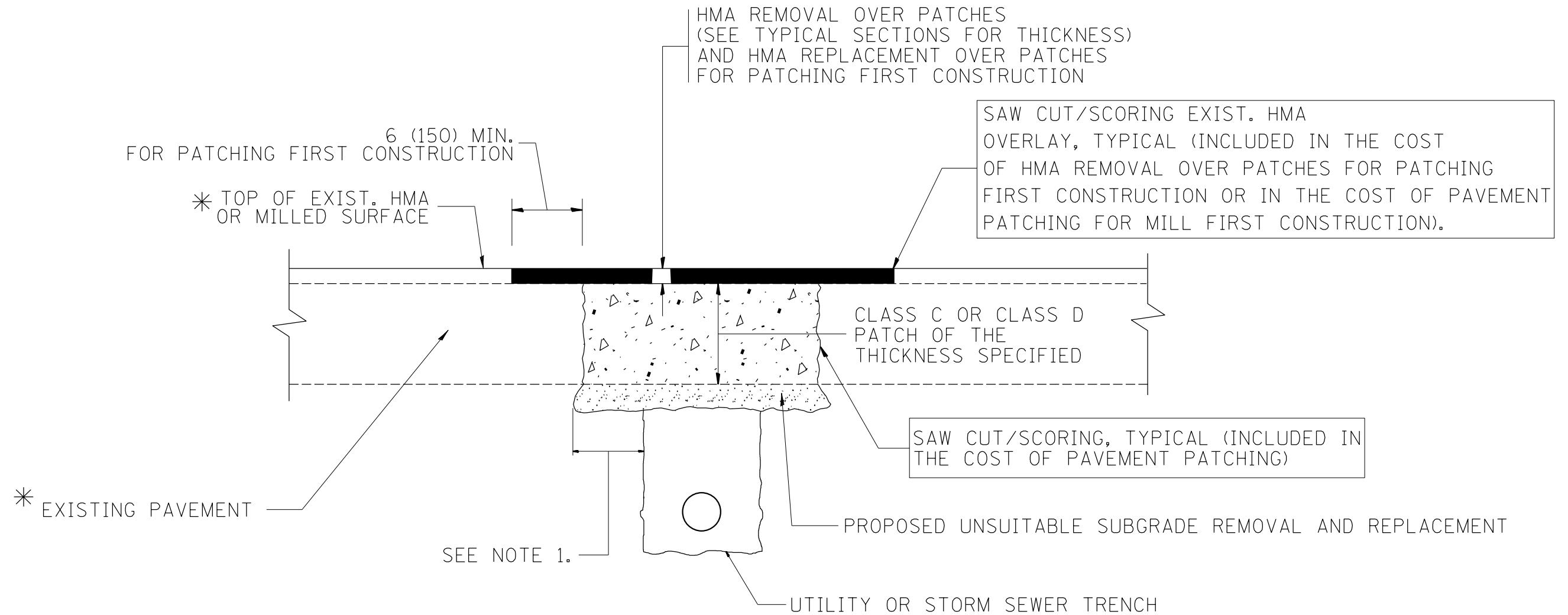
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = qureshiya	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
c:\pwork\pwork\qureshiya\0530190\Dis	Std.dgn	DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0010' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 1/31/2018	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	(G&I21)-RS-2	LAKE	32	20
BD600-03 (BD-8)		CONTRACT NO. 62F55		
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.

FILE NAME =	USER NAME = qureshiya	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\p\dot\qureshiya\0530190\Dis	Std.dgn	DRAWN -	REVISED - R. BORO 01-01-07					333	(G&I2)1-R5-2	LAKE	32	21
	PLOT SCALE = 100.0010' / in.	CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 62F55				
	PLOT DATE = 1/31/2018	DATE - 10-25-94	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				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

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.)

* 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.

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.

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.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

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.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

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 USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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.

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".

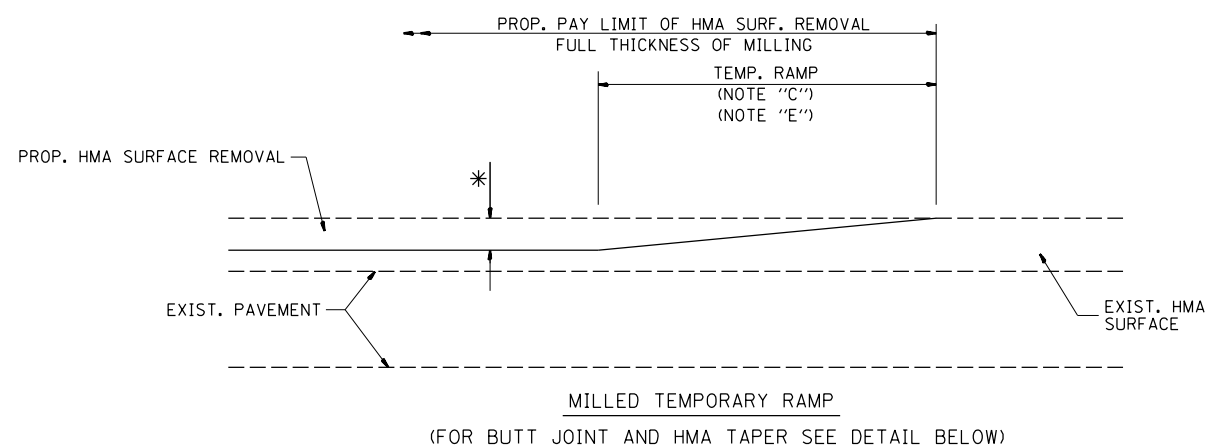
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

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.

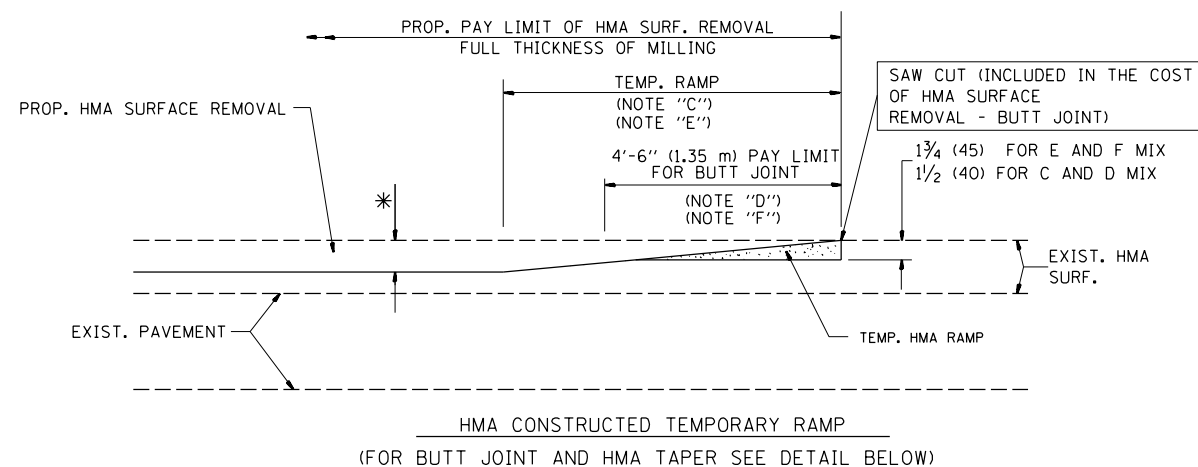
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = qureshiya	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\qureshiya\0530190\Dis	Std.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97			333	(G&I2)1-R5-2	LAKE	32	22
	PLOT SCALE = 100.0010' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 62F55		
	PLOT DATE = 1/31/2018	DATE - 03-11-94	REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

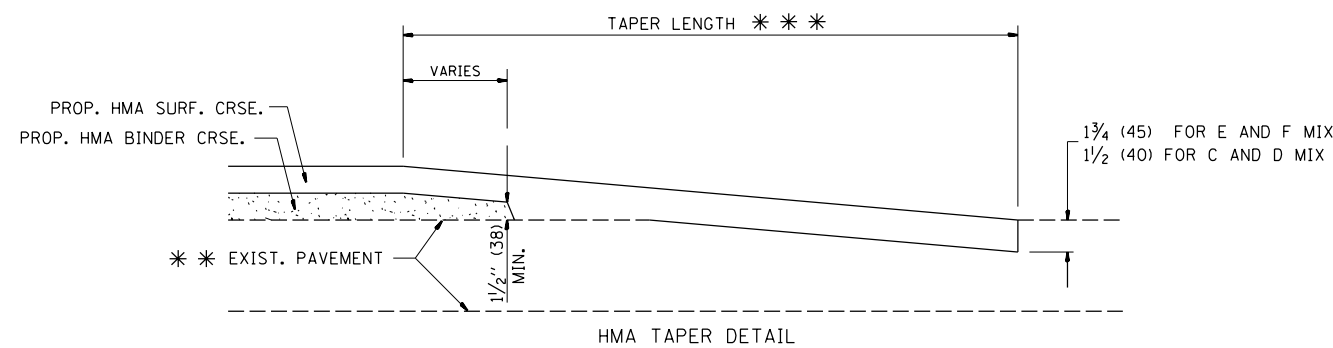
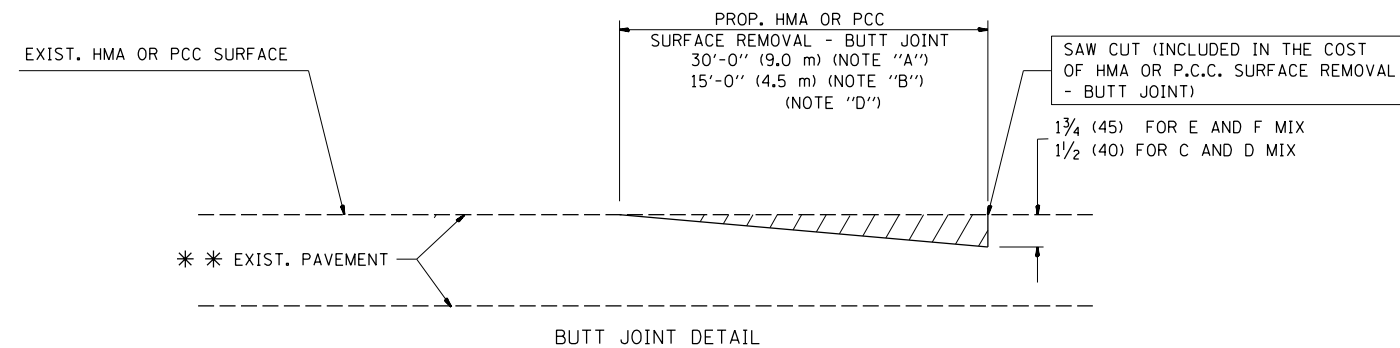


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

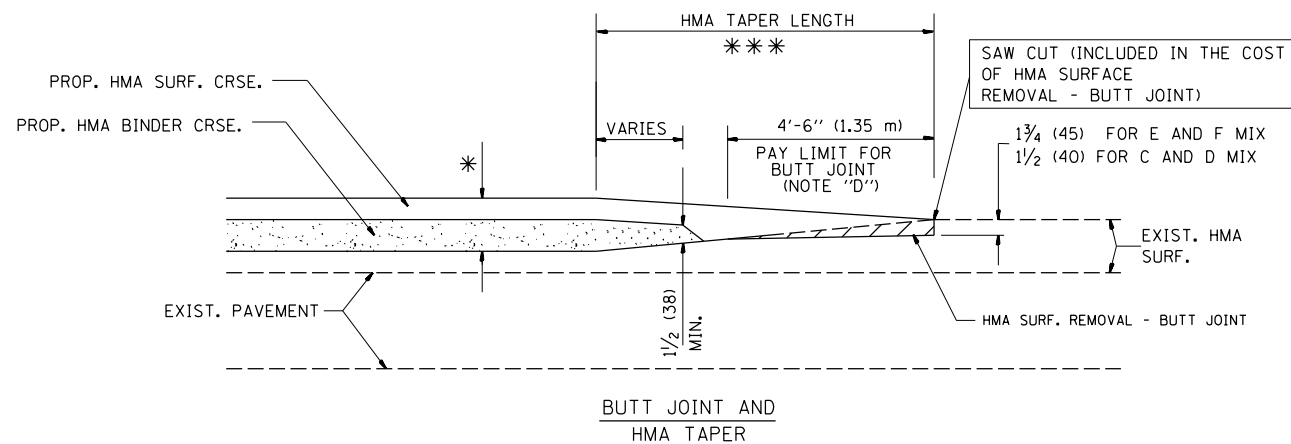
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = qureshiya	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
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	PLOT SCALE = 100.0010' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/31/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	(G&I2)1-R5-2	LAKE	32	23
BD400-05 BD32		CONTRACT NO. 62F55		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NOT USED

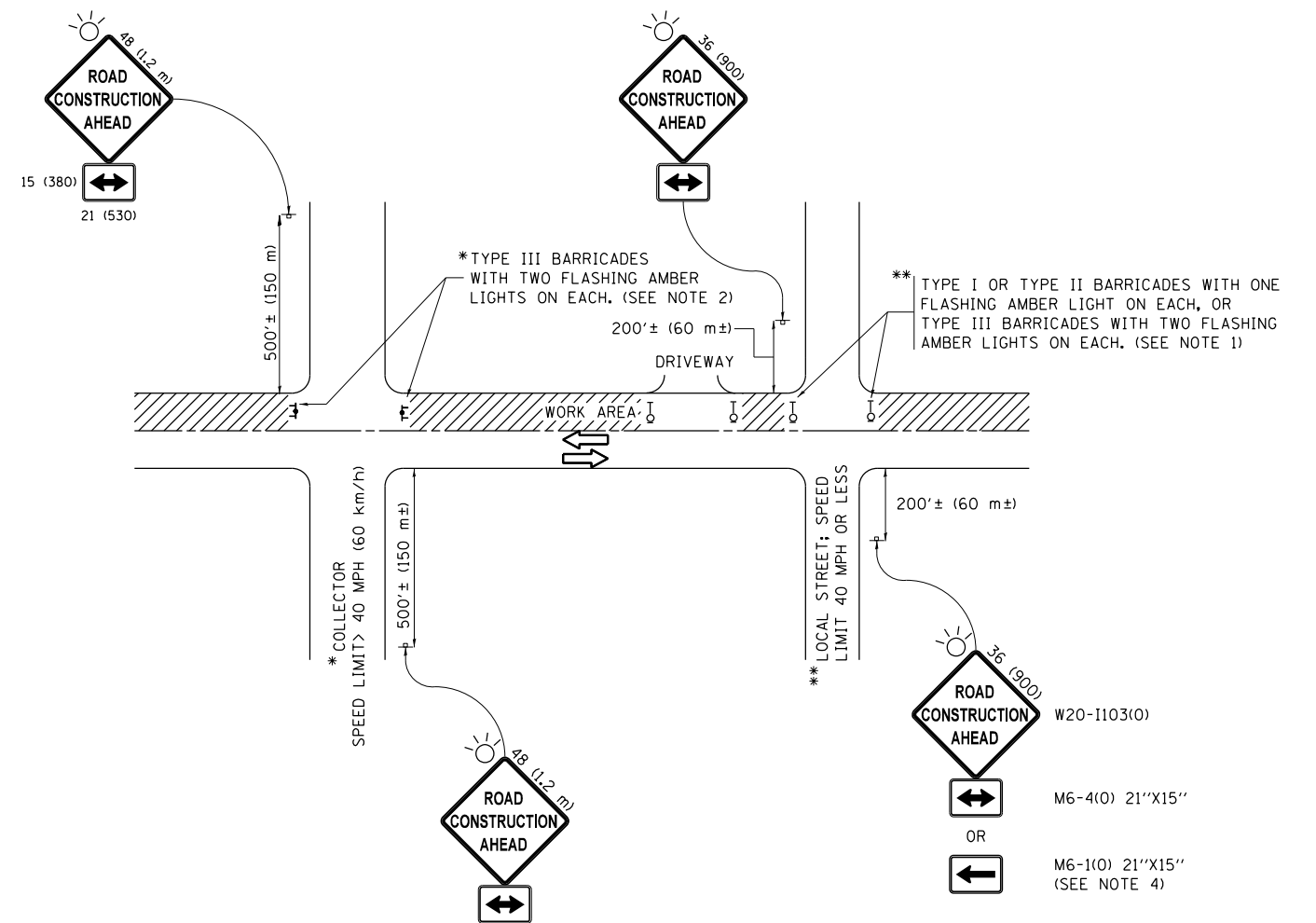
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	(G&12)1-R5-2	LAKE	32	24
CONTRACT NO. 62F55				
ILLINOIS		FED. AID PROJECT		



NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- 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).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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.

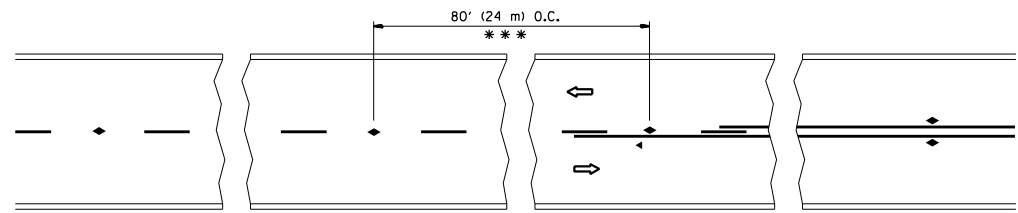
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c:\pwwork\pwwork\qureshiya\d0530190\Dis	Std.dgn	DRAWN -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0010' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 1/31/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

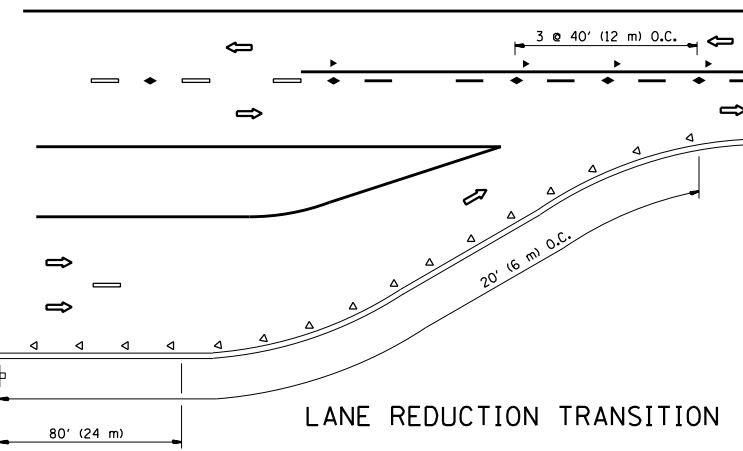
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62F55	
ILLINOIS FED. AID PROJECT				

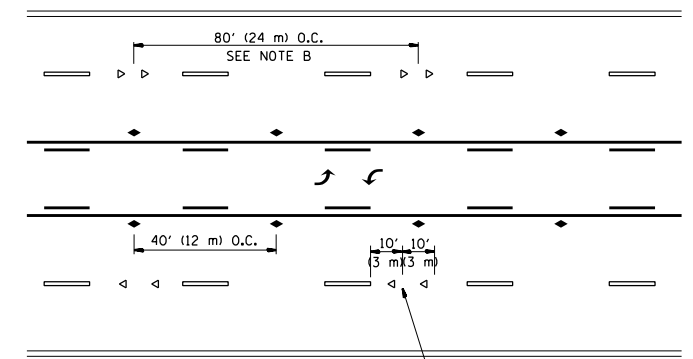


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

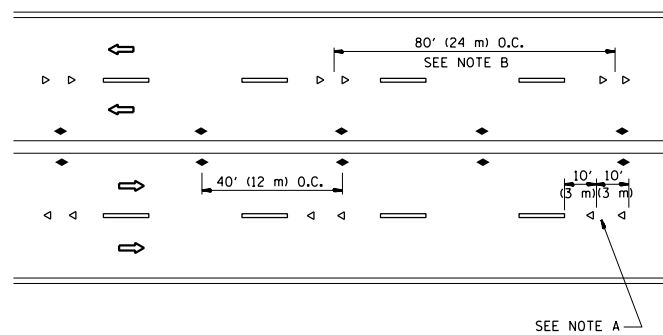
TWO-LANE/TWO-WAY



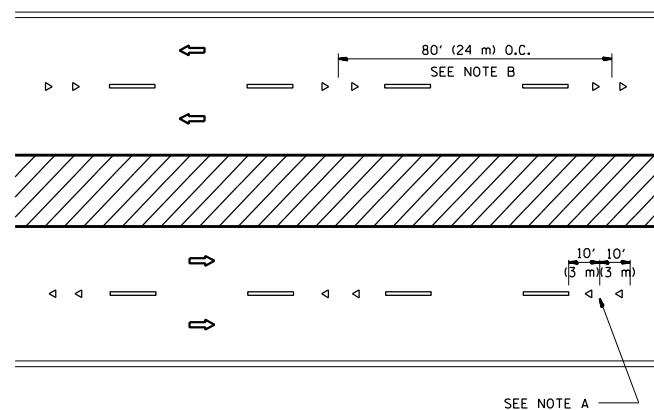
LANE REDUCTION TRANSITION



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

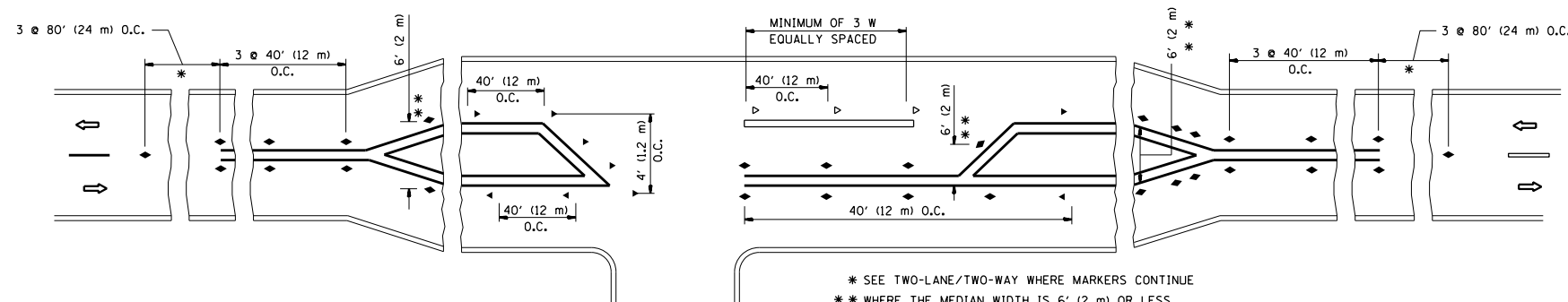
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

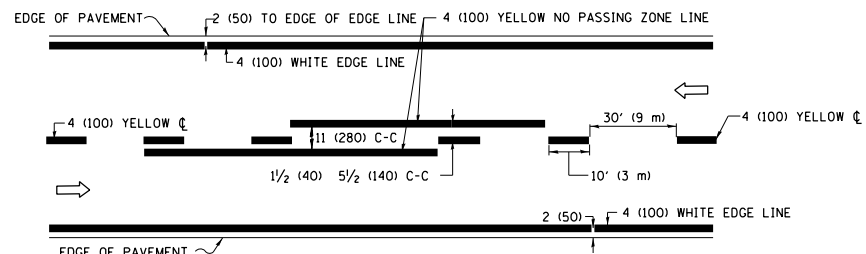


LEFT TURN

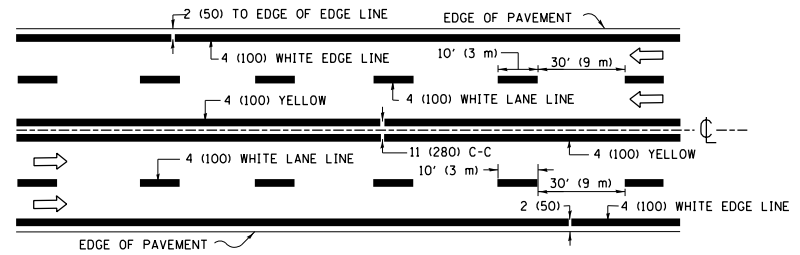
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

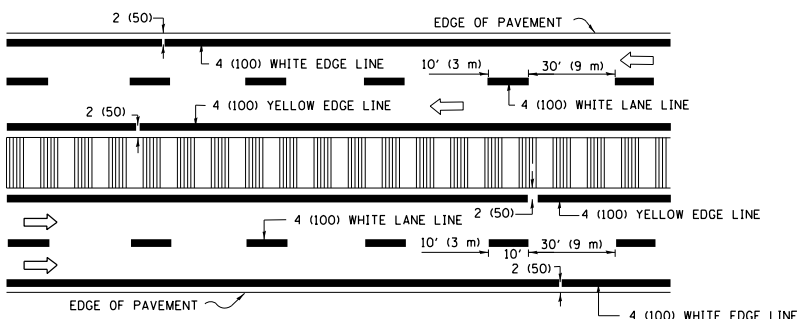
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	PLOT SCALE = 100.0010' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99		REVISED - T. RAMMACHER 01-06-00	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	333	(G&I21)-RS-2	LAKE
PLOT DATE = 1/31/2018	DATE -	REVISED - C. JUCIUS 09-09-09	REVISED - C. JUCIUS 09-09-09					TC-11		CONTRACT NO. 62F55		
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

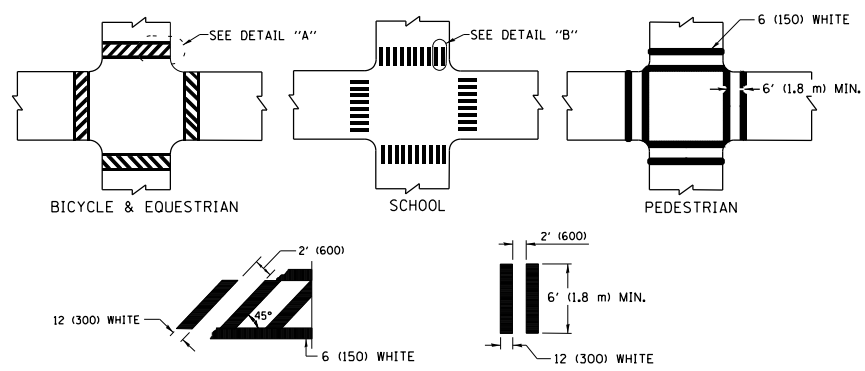


MULTI-LANE UNDIVIDED



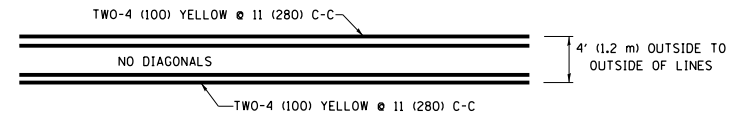
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

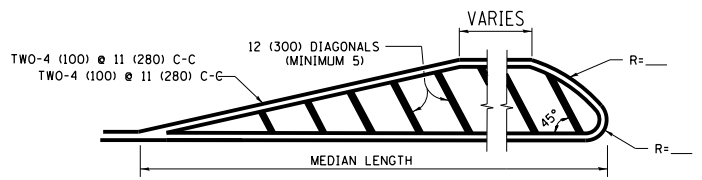


TYPICAL CROSSWALK MARKING

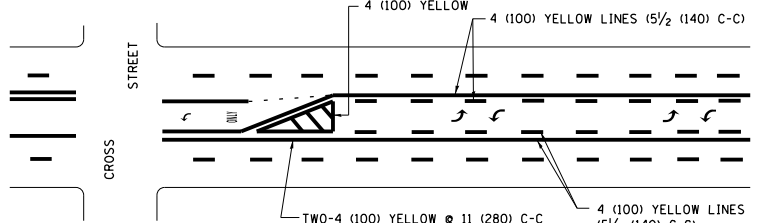
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



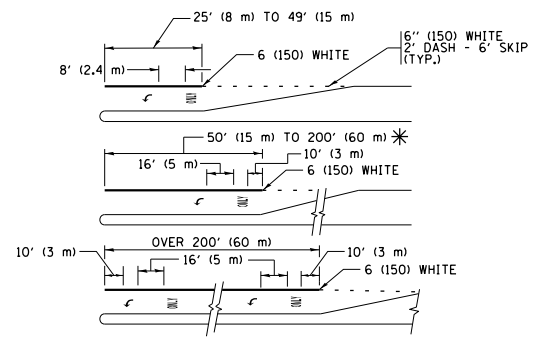
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

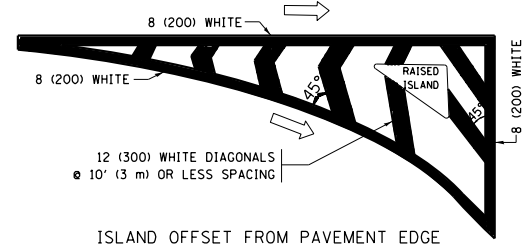


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

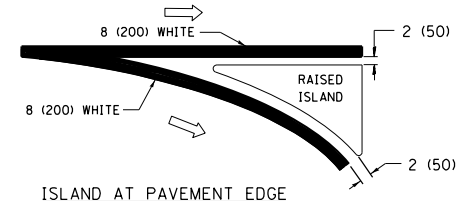


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

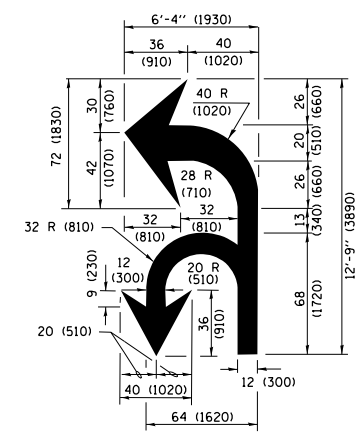
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



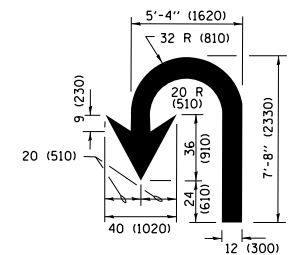
ISLAND OFFSET FROM PAVEMENT EDGE



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 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" 15 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 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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.

FILE NAME =	USER NAME = qureshiya	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	Plot Scale = 1/31/2018	CHECKED -	REVISED - C. JUCIUS 07-01-13
		DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
			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.P. RTE. 333	SECTION (G&I)1-R5-2	COUNTY LAKE	TOTAL SHEETS 32	SHEET NO. 27
TC-13		CONTRACT NO. 62F55	ILLINOIS FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

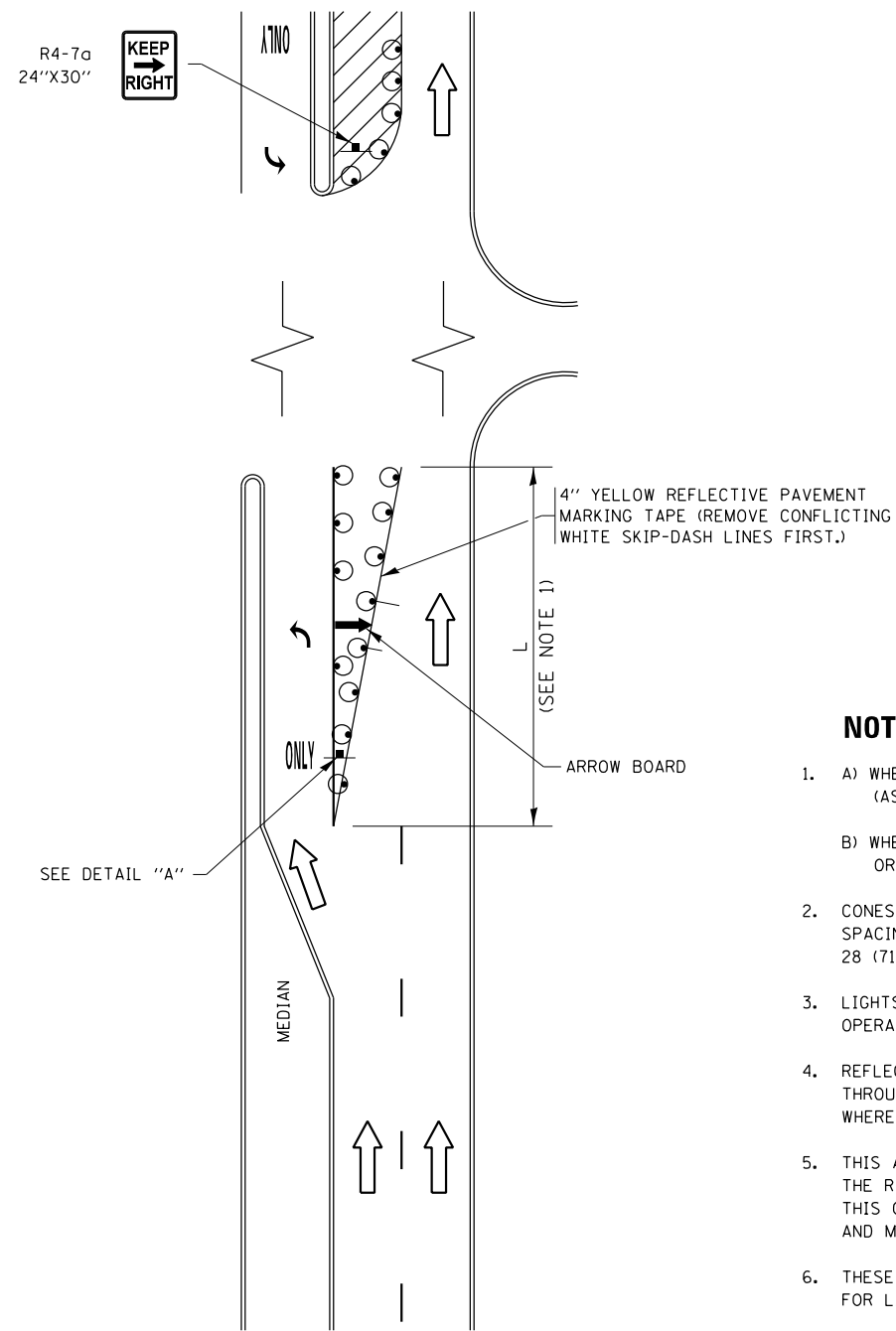


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

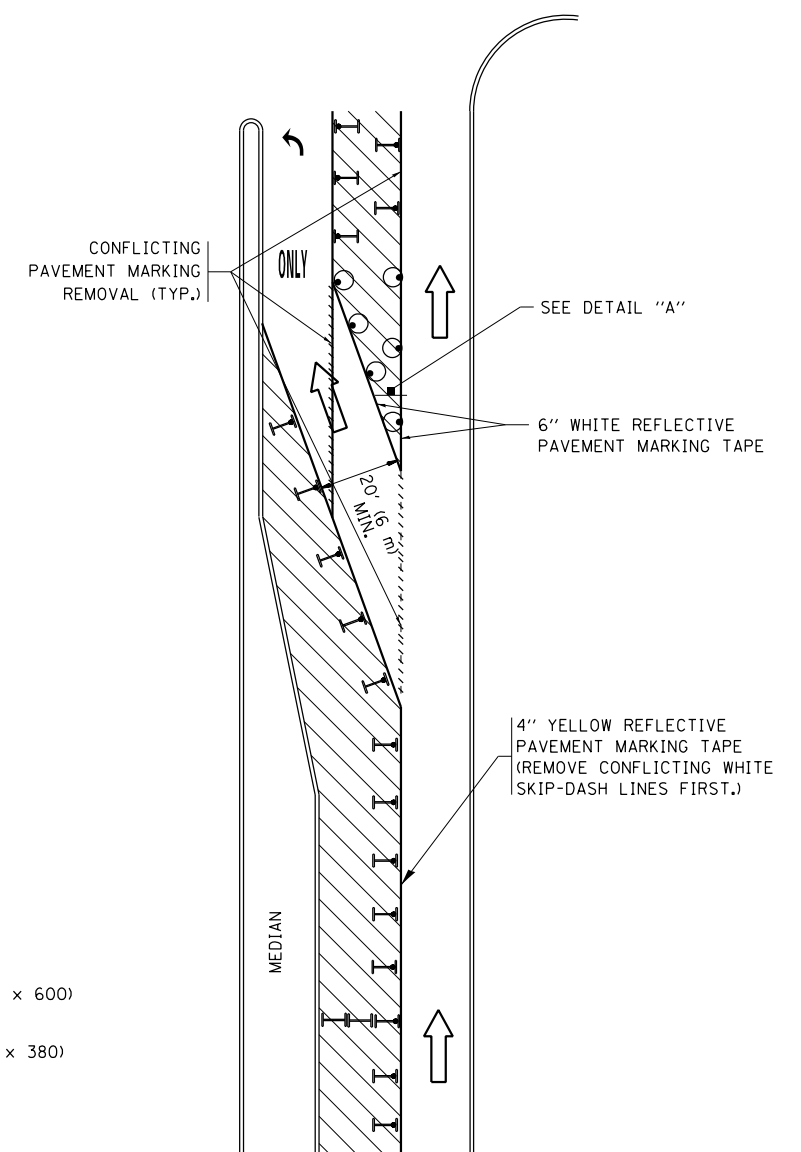
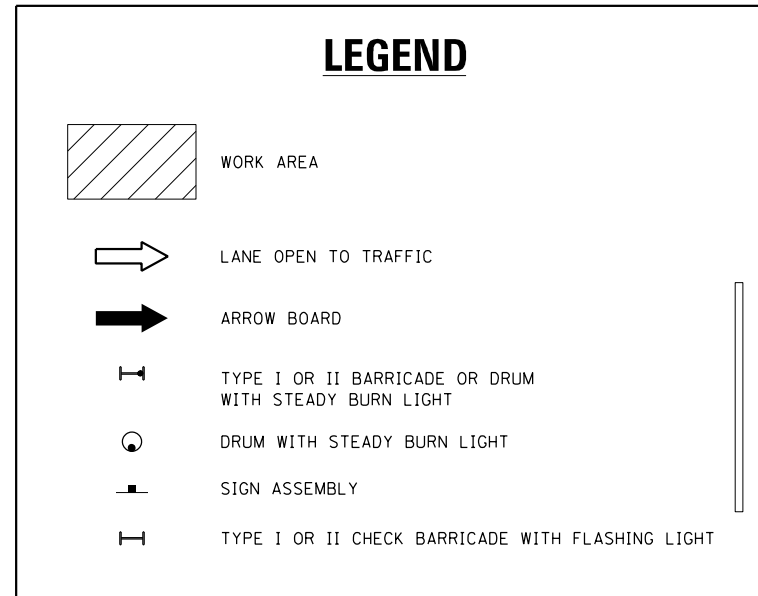
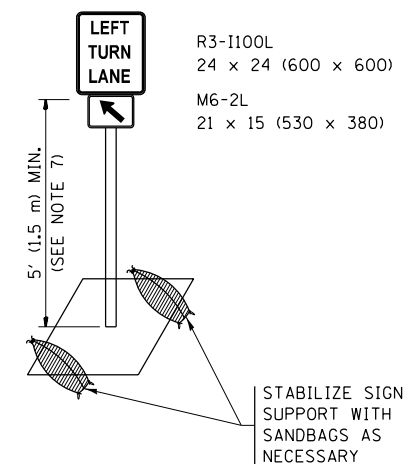


FIGURE 2



NOTES:

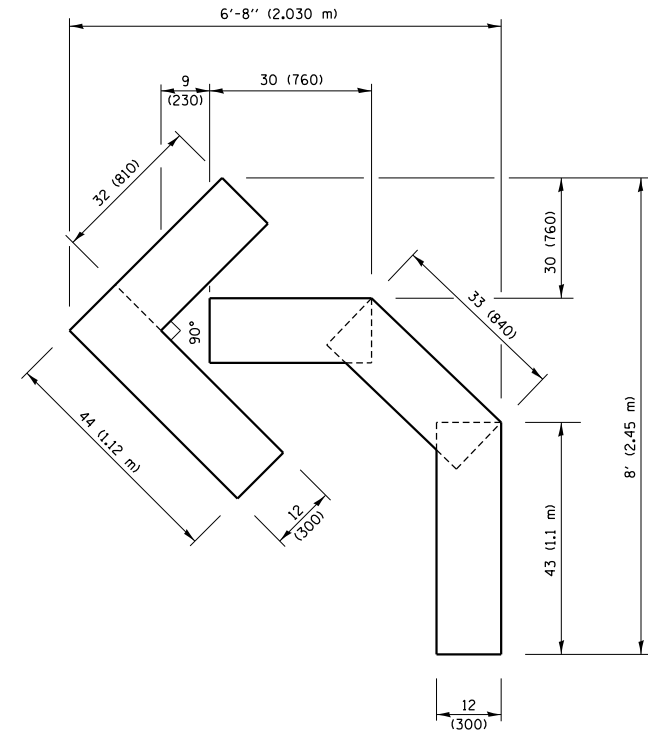
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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 PREQUIREMENTS.
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.



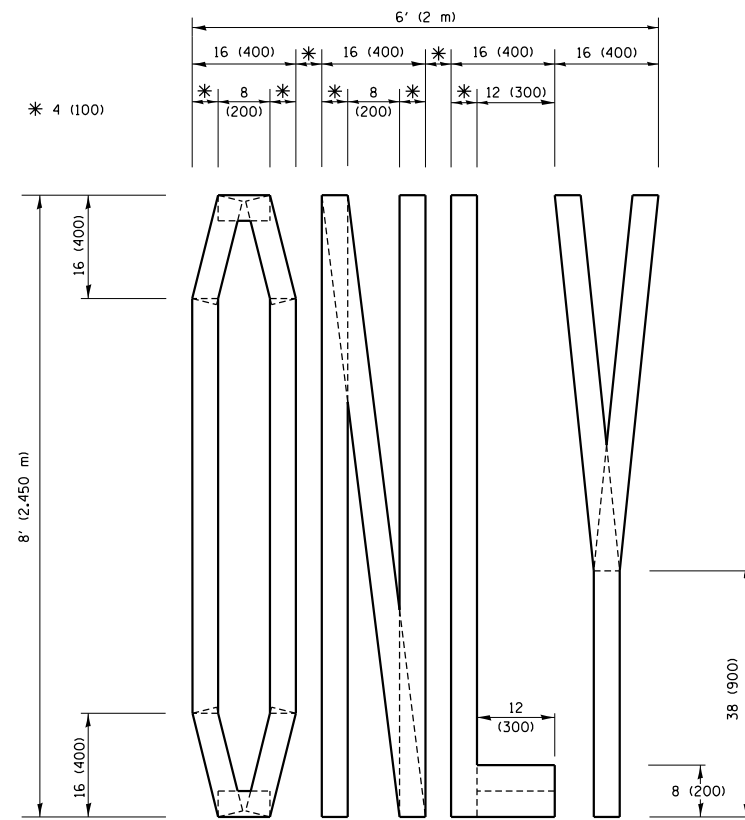
DETAIL A

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

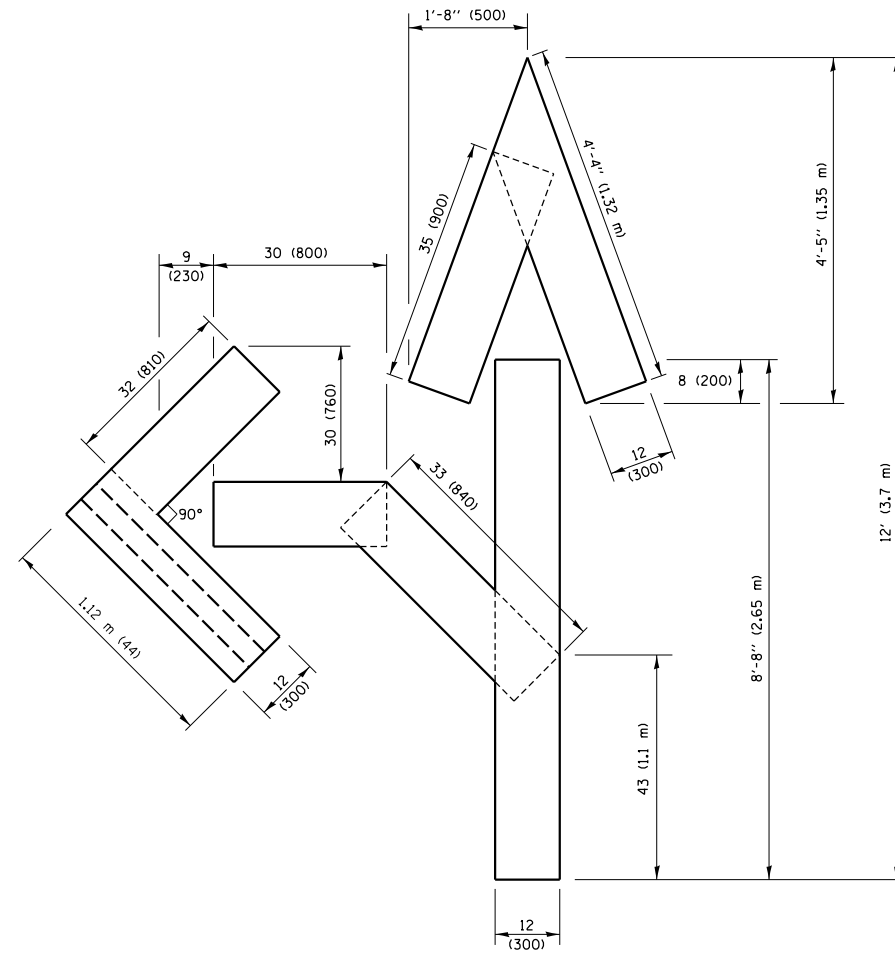
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Default	Std.dgn	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13			333	(G&I21)-RS-2	LAKE	32	28
	PLOT SCALE = 100.0010' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62F55		
	PLOT DATE = 1/31/2018	REVISED - T. RAMMACHER 01-06-00	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.			



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

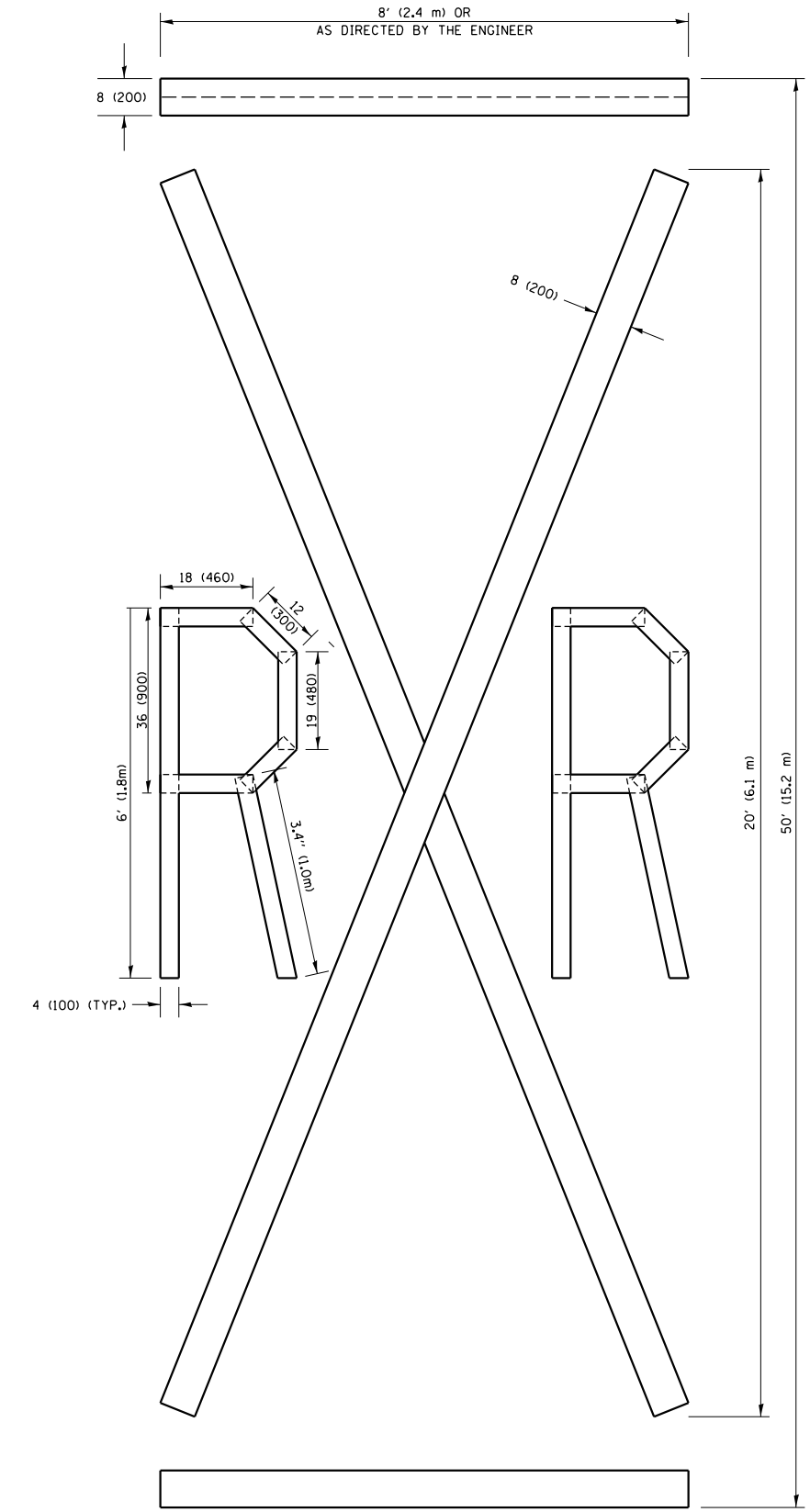


QUANTITY
4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)



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.

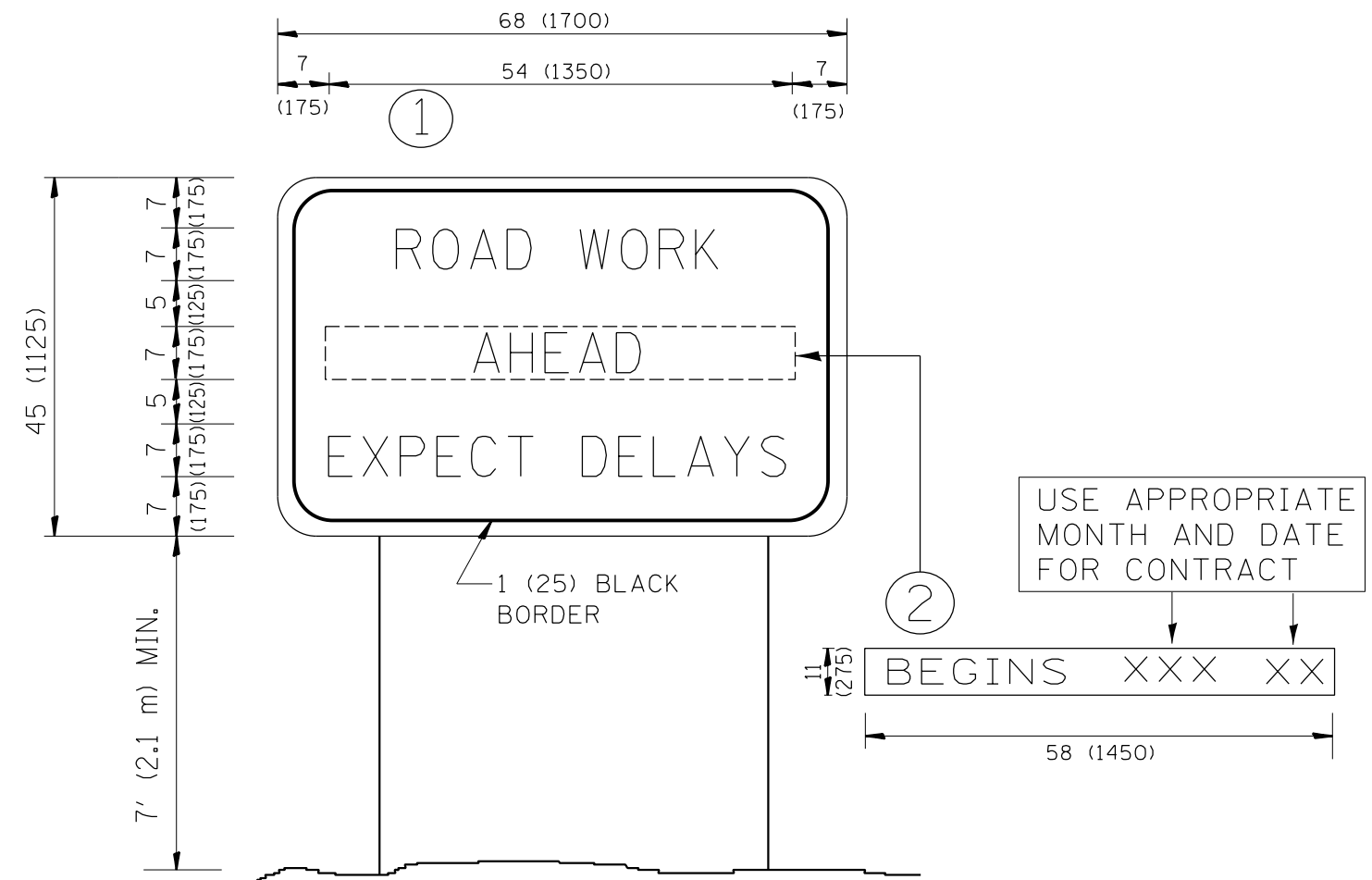
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	PLOT SCALE = 1/31/2018	CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE -	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	(G&I2)I-R5-2	LAKE	32	29
TC-16			CONTRACT NO. 62F55	
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.

FILE NAME =	USER NAME = qureshiya	DESIGNED -	REVISED - R. MIRS 09-15-97
ca:\pw_work\pwidot\qureshiya\d0530190\Dis	Std.dgn	DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/31/2018	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

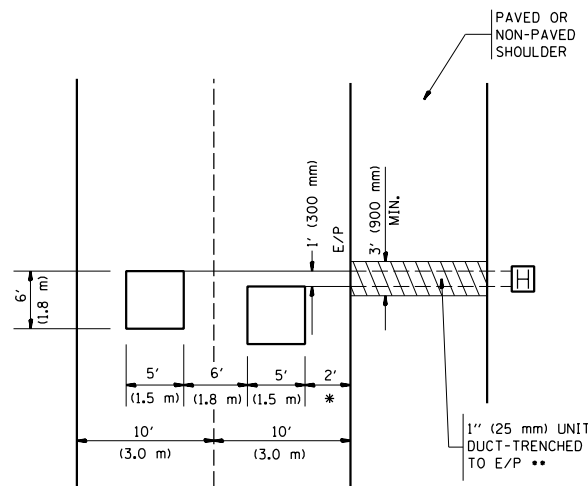
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	(G&I2)1-R5-2	LAKE	32	30
TC-22		CONTRACT NO. 62F55		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



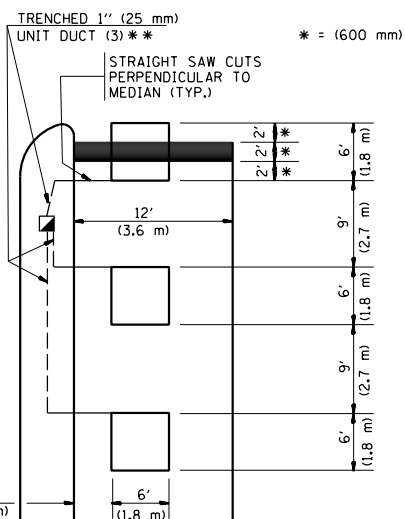
* = (600 mm)

** 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.

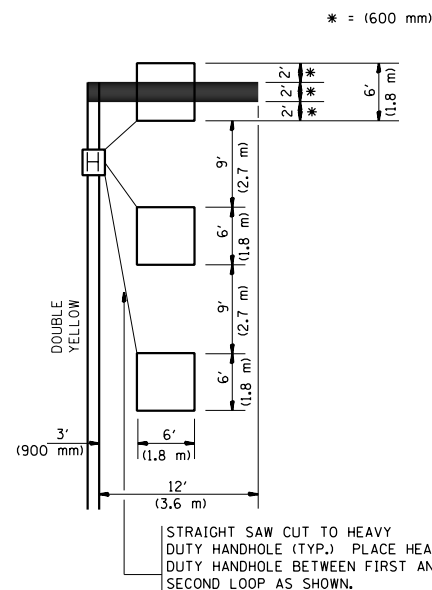


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

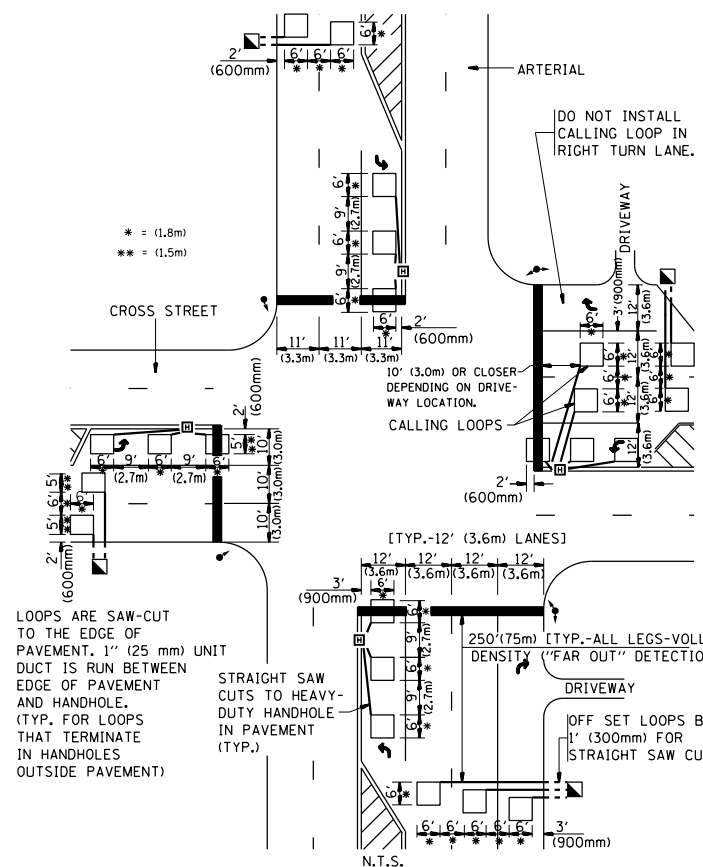
**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



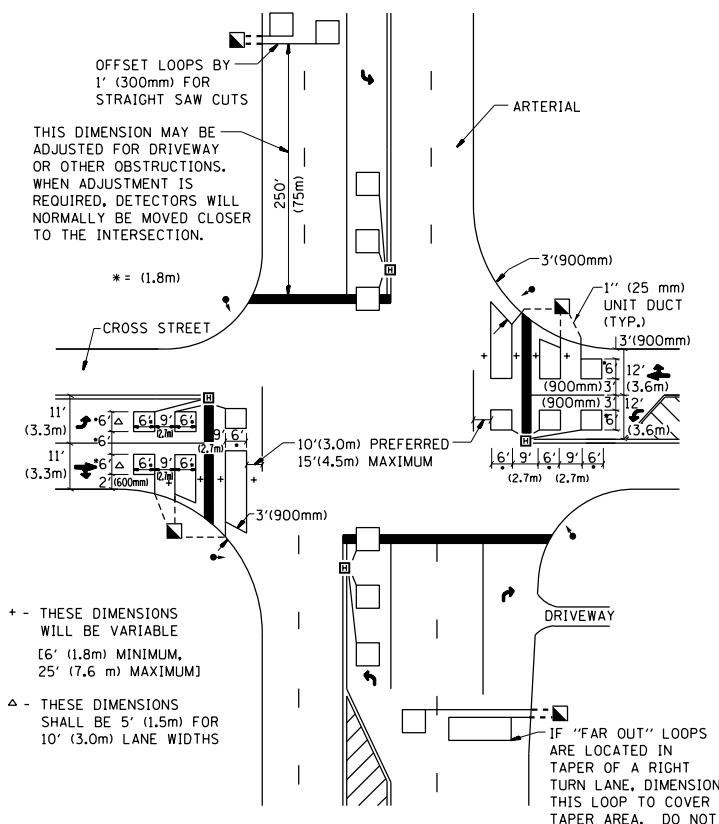
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-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 SEPARATELY. 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.

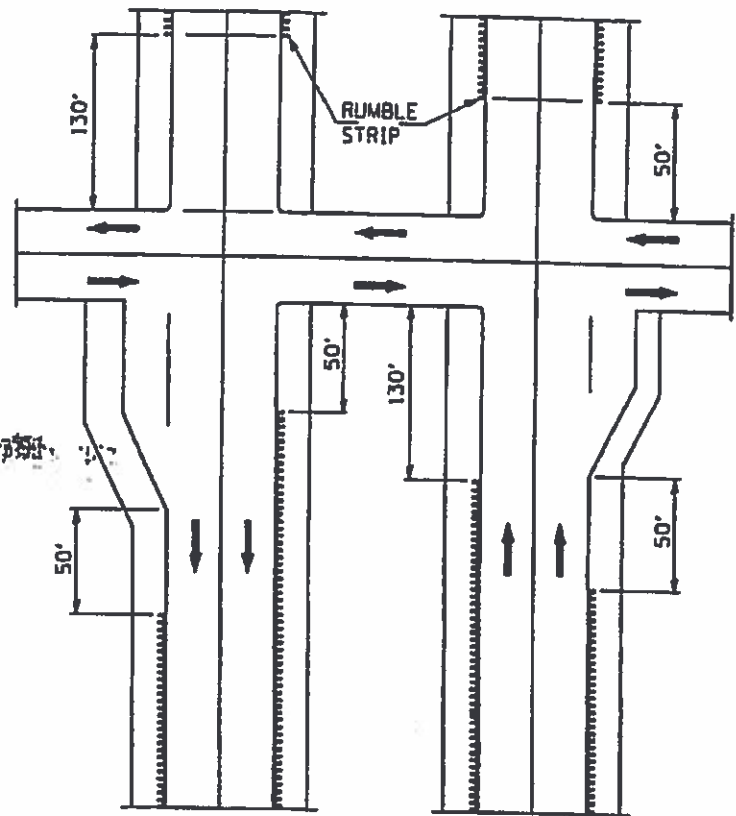
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

NOTE:

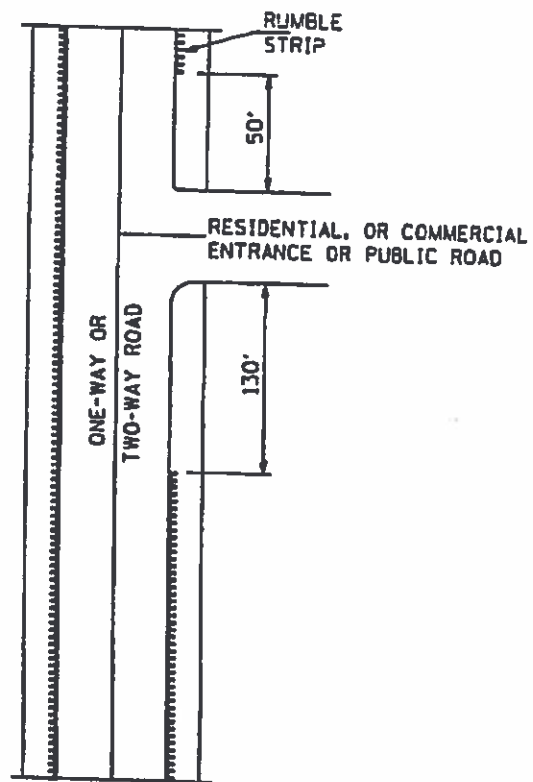
ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

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.

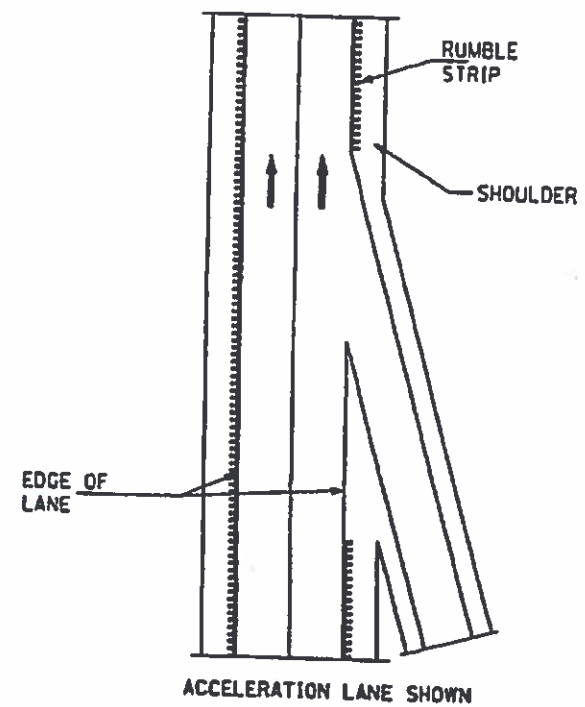
FILE NAME =	USER NAME = qureshiya	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwwork\pwwork\qureshiya\d0530190\Dis	Std.dgn	DRAWN -	REVISED -			333	(G&I21)-RS-2	LAKE	32	31	
PLOT SCALE = 100.0000' / 1"		CHECKED - R.K.F.	REVISED -			TS-07		CONTRACT NO. 62F55			
PLOT DATE = 1/31/2018		DATE -	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



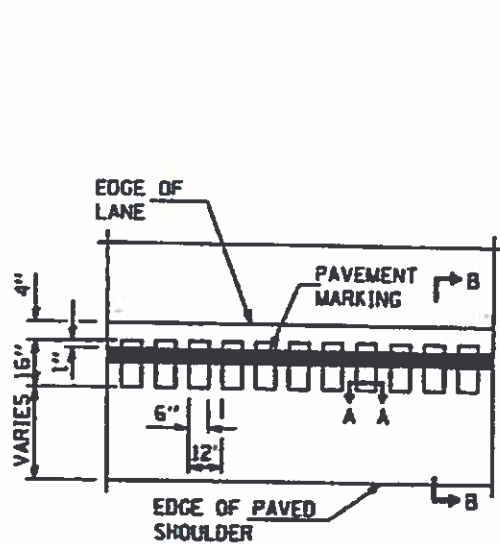
**RUMBLE STRIPE
EXPRESSWAY DIVIDED**



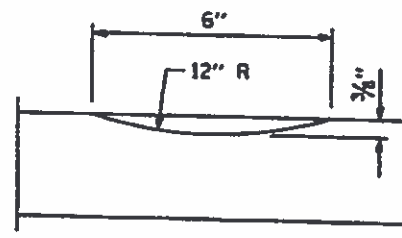
**RUMBLE STRIPE
INTERSECTIONS**



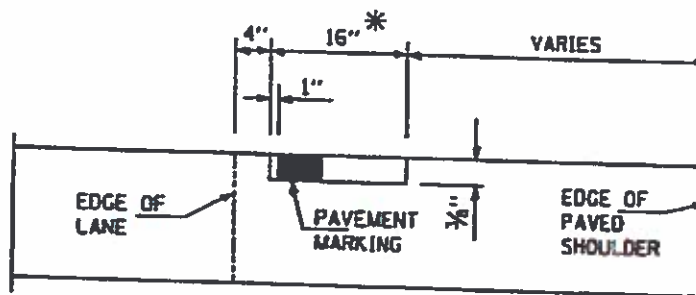
**RUMBLE STRIPE
ACCELERATION OR DECELERATION LANE**



PLAN FOR RUMBLE STRIPE



SECTION A-A



SECTION B-B

GENERAL NOTES

ON PORTLAND CEMENT CONCRETE SHOULDERS, NO SHOULDER RUMBLE STRIPE SHALL BE LOCATED CLOSER THAN 150 mm (6") TO A TRANSVERSE JOINT.

OMIT SHOULDER RUMBLE STRIPE ACROSS STRUCTURES.

SHOULDER RUMBLE STRIPES TO BE PAID FOR AS SHOULDER RUMBLE STRIP AND HOTSPRAY THERMOPLASTIC PAVEMENT MARKING - LINE 4"

* 8" WIDE RUMBLE STRIPES TO BE INSTALLED AT LOCATIONS ADJACENT TO GUARDRAIL W. HMA SHOULDERS < 3'

FILE NO. -	DESIGNED -	REVISION -
DATE -	CHECKED -	REVISION -
SCALE -	DATE -	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHOULDER RUMBLE STRIPE FOR NON-FREEWAY

SECTION	COUNTY	TOWNSHIP	SHEET
333 768121-RS-2	LAFAYETTE	32	32
DATE: 6/2/55			

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