

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112RS-9	DUPAGE	28	1
ILLINOIS			CONTRACT NO. 62F53	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE  
CITY OF WARRENVILLE

TRAFFIC DATA:

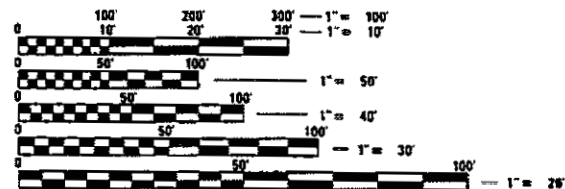
IL RTE 59:  
2016 ADT = 46,800  
SPEED LIMIT = 45 MPH

# PROPOSED HIGHWAY PLANS

FAP 338: IL ROUTE 59  
FROM BATAVIA RD TO FERRY RD  
SECTION 112RS-9  
PROJECT NHPP-X5YV (427)  
RESURFACING, ADA PEDESTRIAN RAMP  
RETROFIT

DUPAGE COUNTY

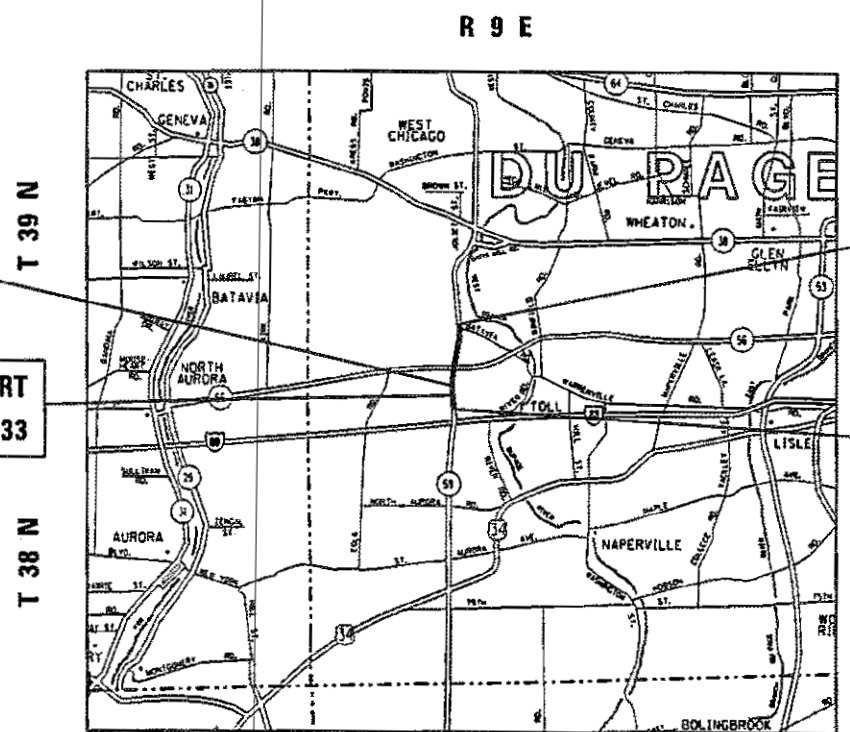
C-91-012-18



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)705-4247  
CONTRACT NO. 62F53



OMISSION ENDS  
STA 34+51

OMISSION START  
STA 15+33

PROJECT ENDS  
STA 91+33

PROJECT START  
STA 1+00

GROSS LENGTH = 9,033 FT. = 1.711 MILE  
NET LENGTH = 7,115 FT. = 1.348 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED JANUARY 24, 2018

*Anthony J. Desjardis* REGIONAL ENGINEER  
MAR 23 2018

*Paul P. [Signature]* ENGINEER OF DESIGN AND ENVIRONMENT  
MAR 23 2018

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
6	TYPICAL SECTIONS
8	ROADWAY AND PAVEMENT MARKING PLANS
11	TRAFFIC SIGNAL PLANS
12	DETECTOR LOOPS PLANS
16	ADA RAMPS DETAILS
19	TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
20	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
21	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
22	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
23	ARTERIAL INFORMATION SIGNING (TC-22)
24	DETAILS FOR FRAMES & LIDS ADJUSTMENT WITH MILLING (BD-8)
25	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
26	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
27	BUTT JOINT AND HMA TAPER DETAILS (BD-32)

**STATE STANDARDS:**

000001-06	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
606001-07	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS > 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

**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 HOURS NOTIFICATION REQUIRED).
- 10 FEET (3 METER) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTERS 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 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 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H) WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) 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 HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD TECHNICIAN, MS. PATRICE HARRIS, AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
- ALL PAVEMENT PATCHING AND COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING FORESTRY WORK FOR LAYOUT.

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	IL-59 80% FED 20% ST 0005			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40	40			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	30	30			
20200100	EARTH EXCAVATION	CU YD	80	80			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	135	135			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2	2			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2	2			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	2			
25200110	SODDING, SALT TOLERANT	SO YD	135	135			
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	175	175			
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SO YD	175	175			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	42385	42385			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	94	94			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2590	2590			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	491	491			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	IL-59 80% FED 20% ST 0005			
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	90	90			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	665	665			
42001300	PROTECTIVE COAT	SO YD	299	299			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	2020	2020			
42400800	DETECTABLE WARNINGS	SO FT	175	175			
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	62793	62793			
44000600	SIDEWALK REMOVAL	SO FT	2072	2072			
44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/2"	SO YD	643	643			
44003100	MEDIAN REMOVAL	SO FT	1571	1571			
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	320	320			
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SO YD	160	160			
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	150	150			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	23	23			
							* SPECIALTY ITEM

FILE NAME =   
 USER NAME =   
 DESIGNED -   
 REVISIONS -   
 CHECKED -   
 DATE -   
 PLOT SCALE = 100,000' / 1"   
 PLOT DATE = 2/1/2018

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL-59 RESURFACING  
 SUMMARY OF QUANTITIES  
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 338 SECTION 112RS-9 COUNTY DUPAGE TOTAL SHEETS 28 SHEET NO. 3 CONTRACT NO. 62F53  
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

URBAN

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	IL-59 80% FED 20% ST 0005				
* 60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	3				
60619910	CONCRETE MEDIAN, TYPE SB-6.18	SO FT	1205	1205				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	80	80				
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70102631	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	EACH	1	1				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	35279	35279				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	10538	10538				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	IL-59 80% FED 20% ST 0005				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1368	1368				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	29840	29840				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	7091	7091				
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	179	179				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	3135	3135				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1020	1020				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	5122	5122				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1368	1368				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	29840	29840				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7091	7091				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	179	179				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3135	3135				
	* SPECIALTY ITEM							

FILE NAME =  
 USER NAME = hedarmer  
 DESIGNED -  
 REVISIONS -  
 CHECKED -  
 DATE -  
 PLOT SCALE = 100,0000' / 1" /  
 PLOT DATE = 2/1/2008

DESIGNED -  
 REVISIONS -  
 CHECKED -  
 DATE -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL-59 RESURFACING  
 SUMMARY OF QUANTITIES  
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 338 SECTION 112RS-9 COUNTY DUPAGE TOTAL SHEETS 28 SHEET NO. 4 CONTRACT NO. 62F53  
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

URBAN

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	IL-59 80% FED 20% ST 0005				
* 7800650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1020	1020				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	606	606				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	606	606				
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	11	11				
* 81400200	HEAVY-DUTY HANDHOLE	EACH	2	2				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1				
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	114	114				
* 88600100	DETECTOR LOOP, TYPE I	FOOT	518	518				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2868	2868				
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	103	103				
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	79	79				
* 89502380	REMOVE EXISTING HANDHOLE	EACH	2	2				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	IL-59 80% FED 20% ST 0005				
X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	4	4				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	11	11				
X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	TON	5490	5490				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	11	11				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	52433	52433				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	225	225				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	4	4				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	103	103				
Z0064600	SELECTIVE CLEARING	ACRE	4	4				
	20070600 TRAINEES	Hour	500	500				
	20070604 TRAINEES-TRAINING PROGRAM GRADUATE	Hour	500	500				
	△ NON-PARTICIPATION ITEM							
	* SPECIALTY ITEM 0042							

13

FILE NAME =	USER NAME = ledaznrm	DESIGNED -	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL-59 RESURFACING  
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112RS-9		28	5
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 62F53	

# LEGEND

- ① EXISTING PCC PAVEMENT (9-7-9)
- ② EXISTING BITUMINOUS AGGREGATE MIXTURE
- ③ EXISTING SUB-BASE GRANULAR MATERIAL
- ④ EXISTING STABILIZED BASE COURSE
- ⑤ EXISTING HMA SURFACE
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING AGG. SHOULDER
- ⑧ EXISTING PCC MEDIAN
- ⑨ EXIST CC&G B.6-24
- ⑩ EXIST CC&G B.6-12 (FROM STA 1+31.4 TO 9+27)  
M.2-12 (FROM STA 9+27 TO 11+51)
- ⑪ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑫ PROPOSED POLY. HMA SURF. CSE. SMA, N80, 1 3/4"
- ⑬ PROPOSED HMA SURF. CSE. MIX "D", N70, 1 3/4"
- ⑭ PROPOSED POLY. LEVELING BINDER, 3/4"
- ⑮ PROPOSED GRADING & SHAPING SHOULDERS
- ⑯ PROPOSED AGG. WEDGE SHOULDER TYPE B

NOTE: THIS CONTRACT WILL REQUIRE PATCHING BEFORE MILLING

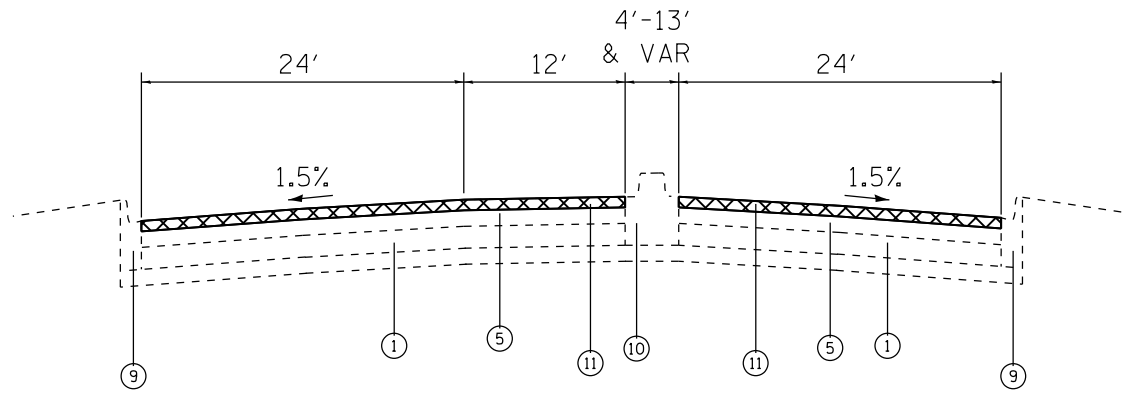
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS (%) ± NDES	
RESURFACING MAINLINE:		
POLY HMA SURFACE COURSE STONE MATRIX ASPHALT, 9.5, N80, 1 3/4"	3.5% @ 80 GYR.	OCP
POLY. LEVELING BINDER (MM) IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	OCP
RESURFACING SHOULDERS:		
HMA SURFACE COURSE MIX "D", N70, 1 3/4" (IL-9.5mm)	4% @ 70 GYR.	OCP
POLY. LEVELING BINDER (MM) IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	OCP
HOT-MIX ASPHALT PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	OC/OA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	OC/OA
QMP DESIGNATION QUALITY CONTROL/QUALITY ASSURANCE (OC/OA) QUALITY CONTROL FOR PERFORMANCE (OCP)		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 POUND PER SQUARE YARD-INCH

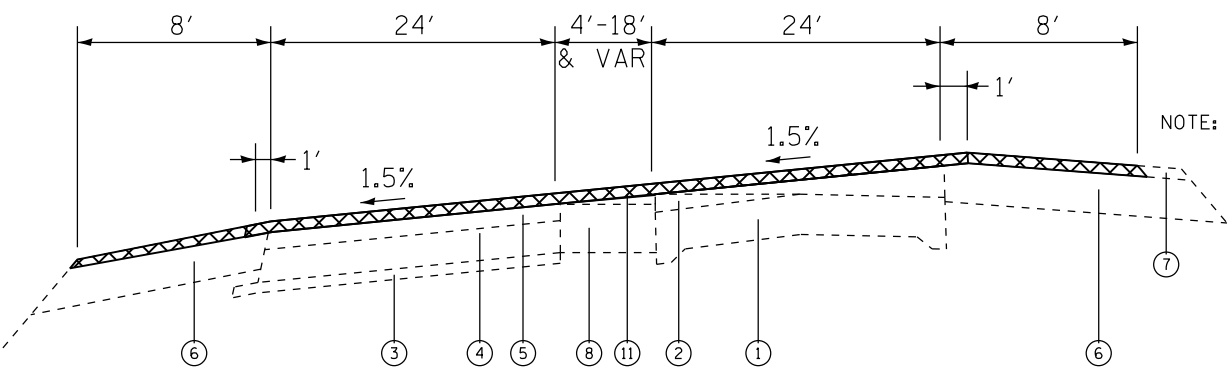
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS / SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

"FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS".

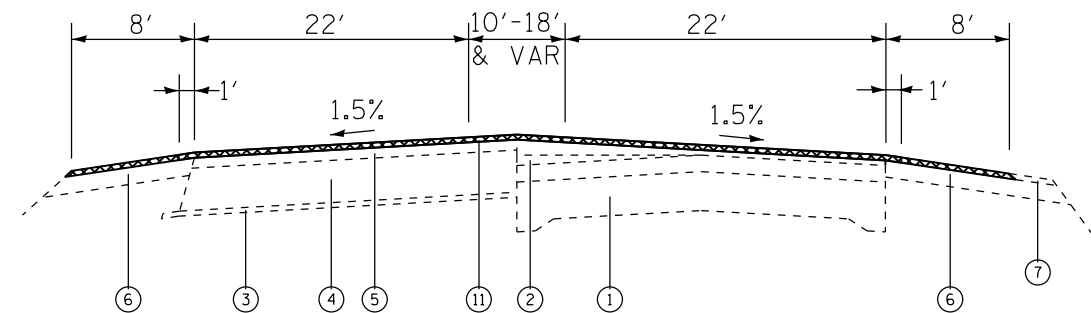
QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



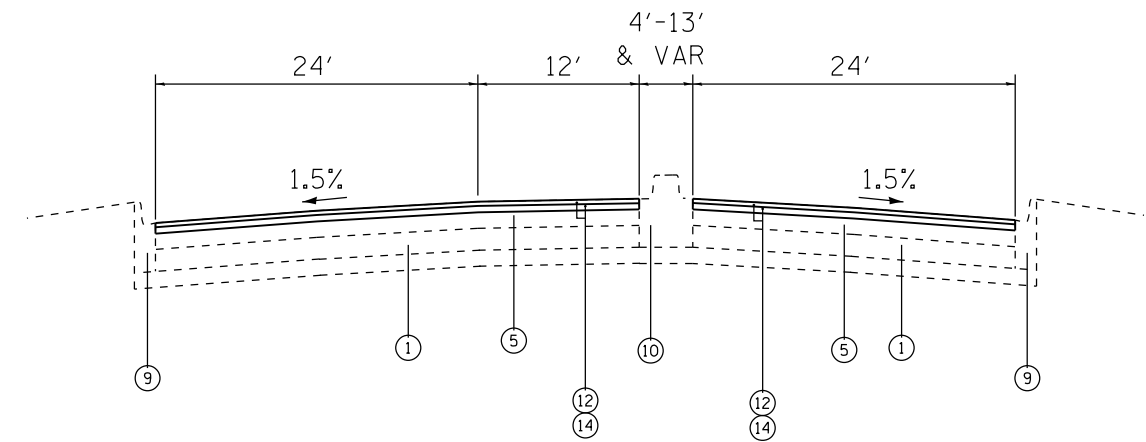
**EXISTING IL ROUTE 59**  
STA. 1+31.4 TO STA. 11+51



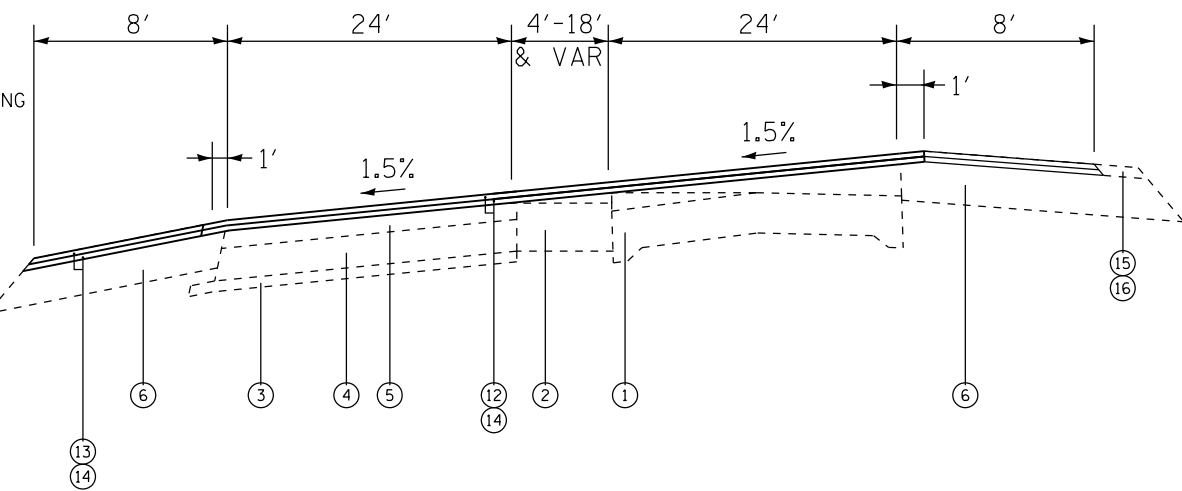
**EXISTING IL ROUTE 59**  
STA. 9+27 TO STA. 15+33



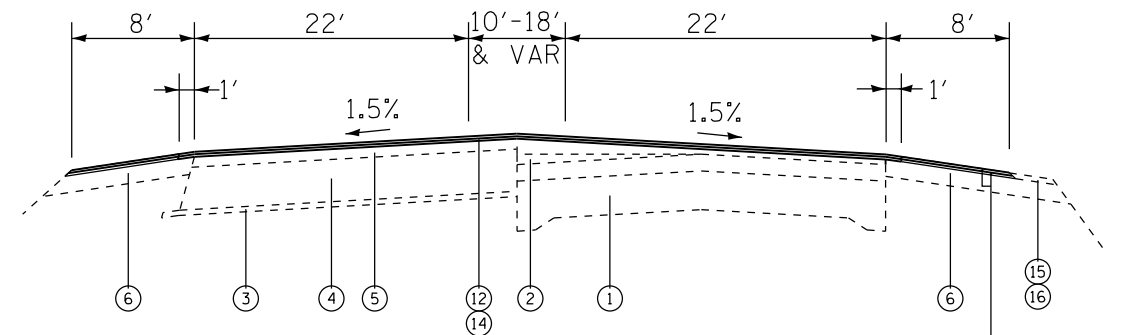
**EXISTING IL ROUTE 59**  
STA. 34+51 TO STA. 42+41  
STA. 53+40 TO STA. 63+10



**PROPOSED IL ROUTE 59**  
STA. 1+31.4 TO STA. 11+51



**PROPOSED IL ROUTE 59**  
STA. 9+27 TO STA. 15+33



**PROPOSED IL ROUTE 59**  
STA. 34+51 TO STA. 42+41  
STA. 53+40 TO STA. 63+10

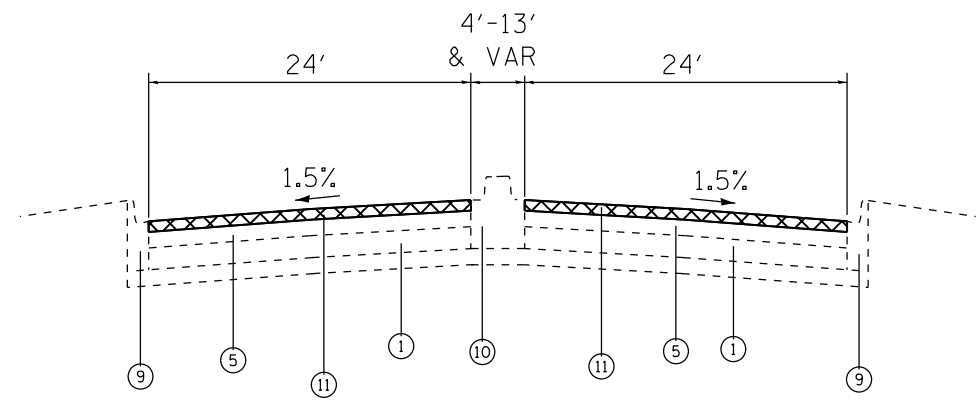
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USER NAME = ledezmann	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/1/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

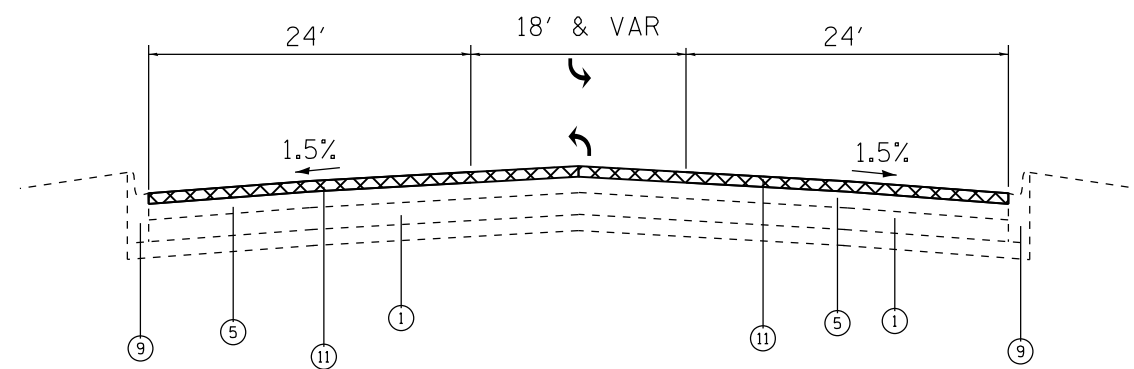
<b>IL-59 FROM BATAVIA RD TO FERRY TYPICAL CROSS SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112RS-9	DUPAGE	28	6
CONTRACT NO. 62F53				
ILLINOIS FED. AID PROJECT				



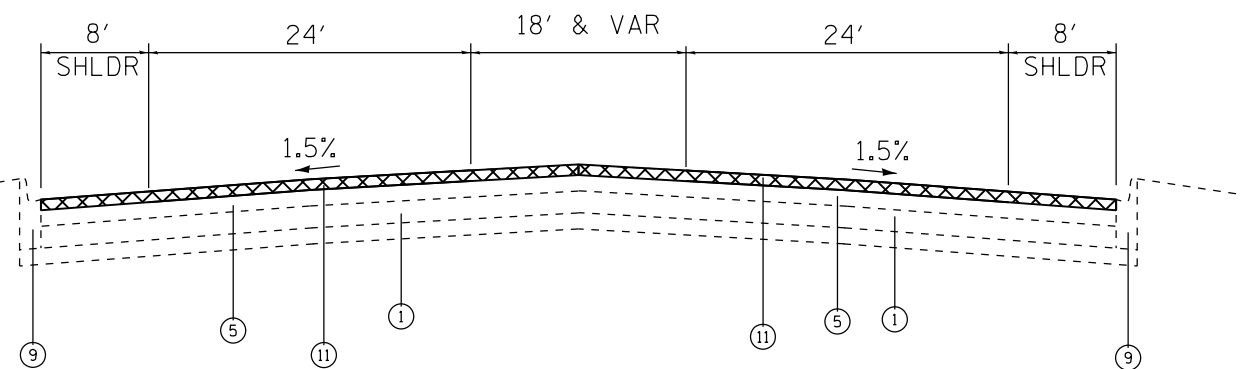
**EXISTING IL ROUTE 59**

STA. 42+41 TO STA. 53+40



**EXISTING IL ROUTE 59**

STA. 63+10 TO STA. 84+30



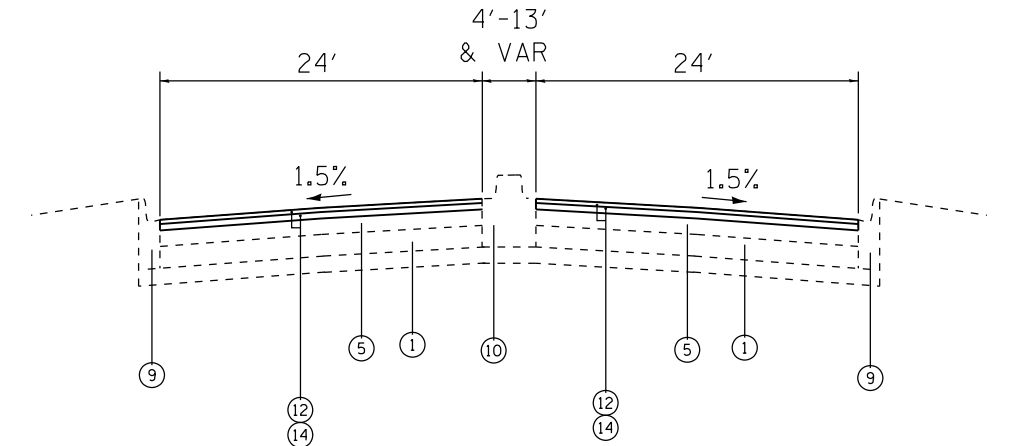
**EXISTING IL ROUTE 59**

STA. 84+30 TO STA. 91+33

**LEGEND**

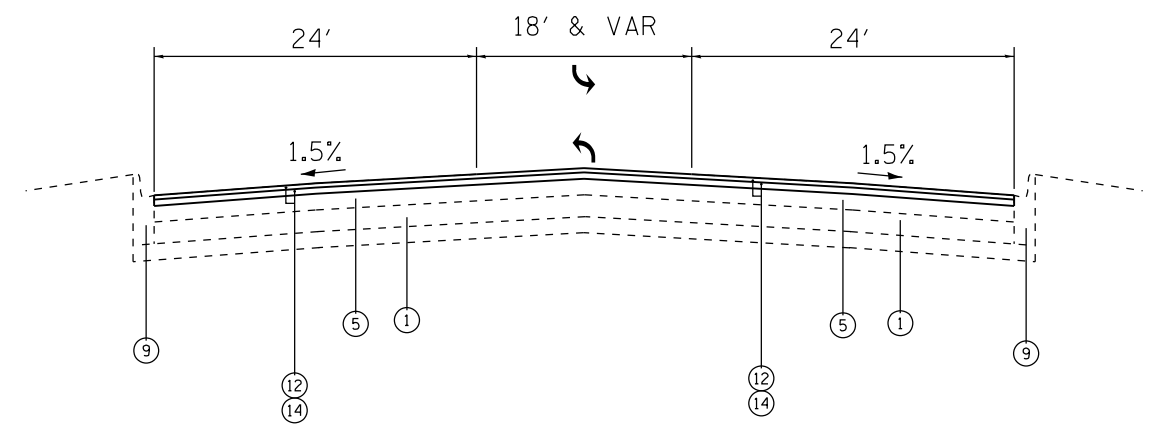
- ① EXISTING PCC PAVEMENT (9-7-9)
- ② EXISTING BITUMINOUS AGGREGATE MIXTURE
- ③ EXISTING SUB-BASE GRANULAR MATERIAL
- ④ EXISTING STABILIZED BASE COURSE
- ⑤ EXISTING HMA SURFACE
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING AGG. SHOULDER
- ⑧ EXISTING PCC MEDIAN
- ⑨ EXIST CC&G B.6-24
- ⑩ EXIST CC&G B.6-12 (FROM STA 1+31.4 TO 9+27)  
M.2-12 (FROM STA 9+27 TO 11+51)
- ⑪ PROPOSED HMA SURFACE REMOVAL, 2½"
- ⑫ PROPOSED POLY. HMA SURF. CSE. SMA, N80, 1¾"
- ⑬ PROPOSED HMA SURF. CSE. MIX "D", N70, 1¾"
- ⑭ PROPOSED POLY. LEVELING BINDER, ¾"
- ⑮ PROPOSED GRADING & SHAPING SHOULDERS
- ⑯ PROPOSED AGG. WEDGE SHOULDER TYPE B

NOTE: THIS CONTRACT WILL REQUIRE PATCHING BEFORE MILLING



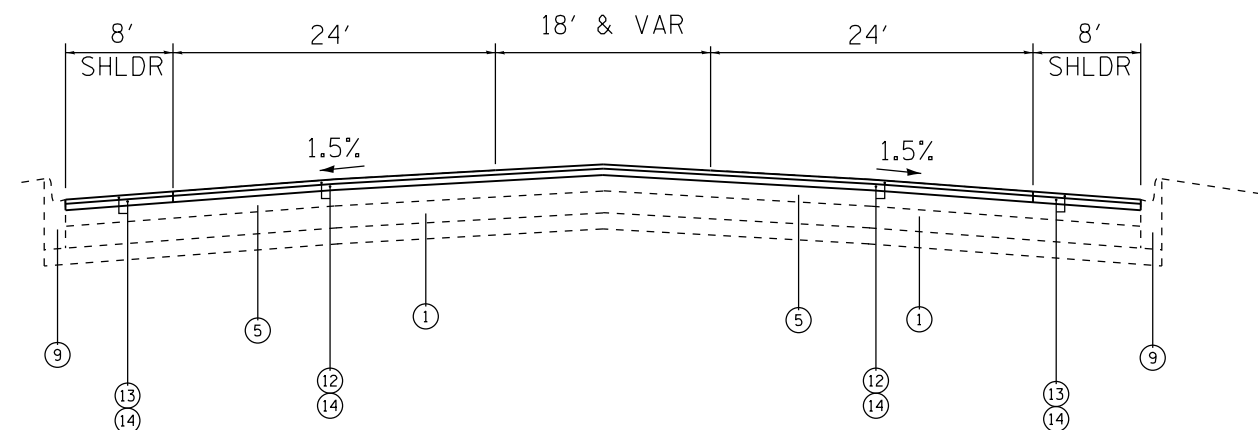
**PROPOSED IL ROUTE 59**

STA. 42+41 TO STA. 53+40



**PROPOSED IL ROUTE 59**

STA. 63+10 TO STA. 84+30



**PROPOSED IL ROUTE 59**

STA. 84+30 TO STA. 91+33

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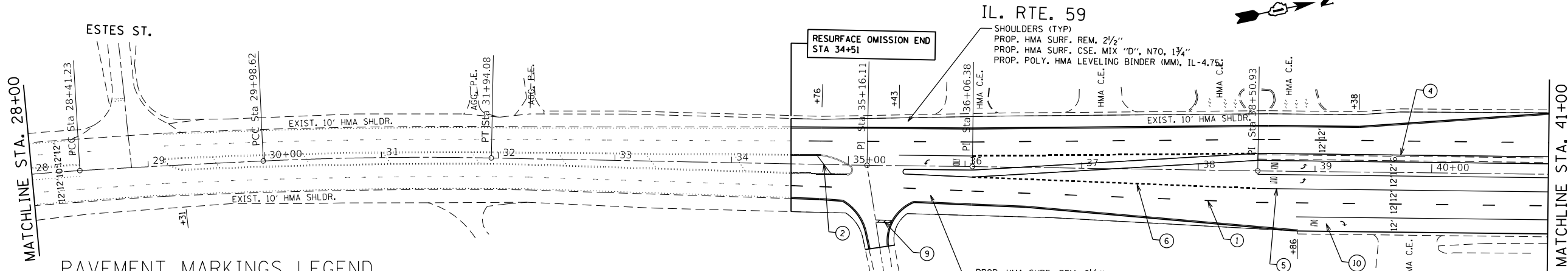
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET OF SHEETS		STA. TO STA.		F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						338		112RS-9	DUPAGE	28	7
						CONTRACT NO. 62F53					
						ILLINOIS FED. AID PROJECT					

IL-59 FROM BATAVIA RD TO FERRY  
TYPICAL CROSS SECTIONS



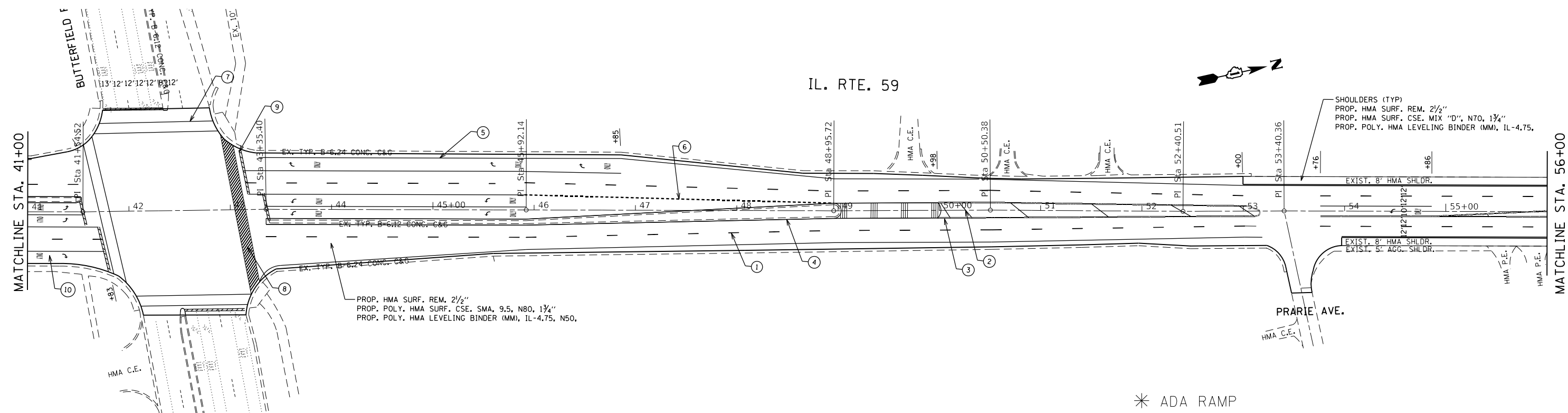




**PAVEMENT MARKINGS LEGEND**

- |   |   |
|---|---|
| ① THPL. PAVT. MARKING, WHITE, SKIP DASH, 4"                   | ⑦ THPL. PAVT. MARKING, WHITE, CROSS WALK, 6"    |
| ② THPL. PAVT. MARKING, YELLOW, DIAGONALS, 12"                 | ⑧ THPL. PAVT. MARKING, WHITE, CROSS WALK, 12"   |
| ③ THPL. PAVT. MARKING, YELLOW, DBL. CENTER LINE, 4" @ 11" C-C | ⑨ THPL. PAVT. MARKING, WHITE, STOP BAR, 24"     |
| ④ THPL. PAVT. MARKING, YELLOW, MEDIAN EDGE LINE, 4"           | ⑩ THPL. PAVT. MARKING, WHITE, LETTERS & SYMBOLS |
| ⑤ THPL. PAVT. MARKING, WHITE, TURN LANE, 6"                   | ⑪ THPL. PAVT. MARKING, YELLOW, SKIP DASH, 4"    |
| ⑥ THPL. PAVT. MARKING, WHITE, DOTTED LINE, 6"                 | ⑫ THPL. PAVT. MARKING, WHITE, DIAGONALS, 12"    |

\* ADA RAMP



\* ADA RAMP

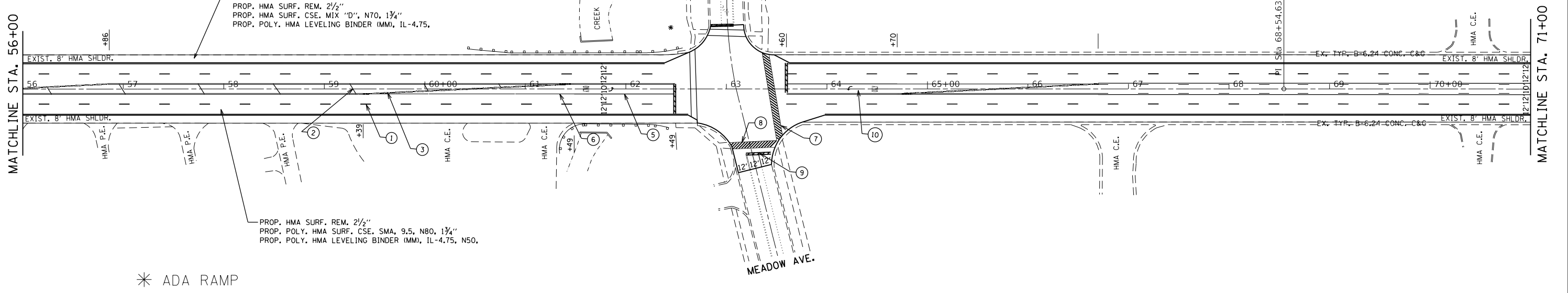
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PLOT DATE = 2/1/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL. RTE. 59 BATAVIA RD. TO FERRY RD.</b>	
SCALE: 1"=50'	SHEET OF SHEETS STA. 28+00 TO STA. 56+00

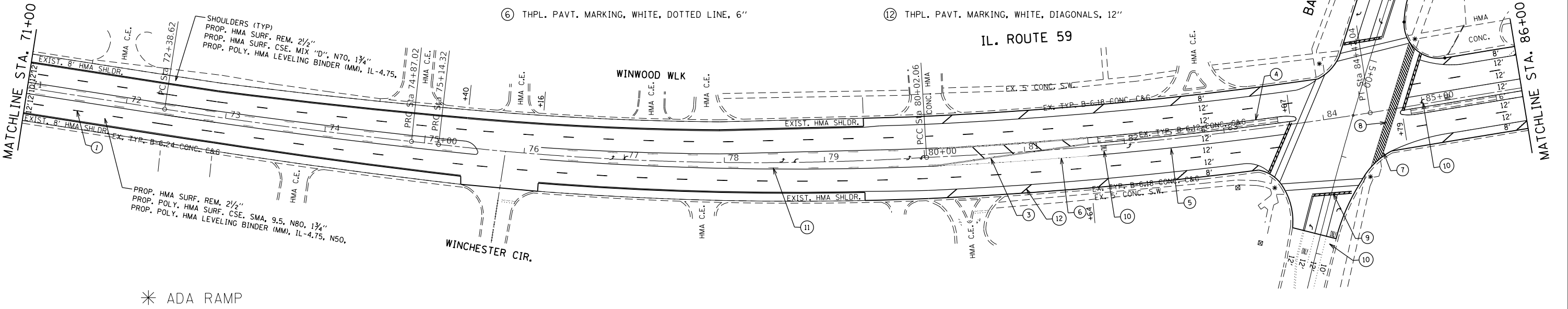
F.A.P. RTE. 338	SECTION 112R5-9	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 9
CONTRACT NO. 62F53				
ILLINOIS FED. AID PROJECT				



\* ADA RAMP

### PAVEMENT MARKINGS LEGEND

- |   |   |   |   |
|---|---|---|---|
| ① | THPL. PAVT. MARKING, WHITE, SKIP DASH, 4"                   | ⑦ | THPL. PAVT. MARKING, WHITE, CROSS WALK, 6"    |
| ② | THPL. PAVT. MARKING, YELLOW, DIAGONALS, 12"                 | ⑧ | THPL. PAVT. MARKING, WHITE, CROSS WALK, 12"   |
| ③ | THPL. PAVT. MARKING, YELLOW, DBL. CENTER LINE, 4" @ 11" C-C | ⑨ | THPL. PAVT. MARKING, WHITE, STOP BAR, 24"     |
| ④ | THPL. PAVT. MARKING, YELLOW, MEDIAN EDGE LINE, 4"           | ⑩ | THPL. PAVT. MARKING, WHITE, LETTERS & SYMBOLS |
| ⑤ | THPL. PAVT. MARKING, WHITE, TURN LANE, 6"                   | ⑪ | THPL. PAVT. MARKING, YELLOW, SKIP DASH, 4"    |
| ⑥ | THPL. PAVT. MARKING, WHITE, DOTTED LINE, 6"                 | ⑫ | THPL. PAVT. MARKING, WHITE, DIAGONALS, 12"    |



\* ADA RAMP

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PLOT DATE =	2/1/2018		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

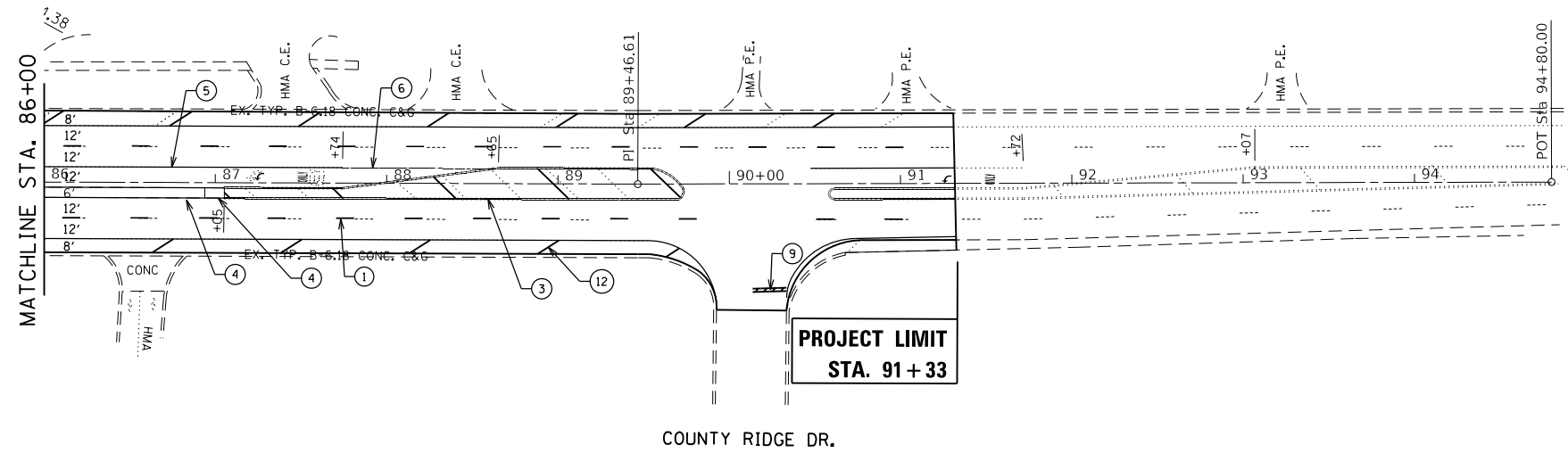
**IL. RTE. 59  
BATAVIA RD. TO FERRY RD.**

SCALE: SHEET OF SHEETS STA. 56+00 TO STA. 85+29.5

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112RS-9	DUPAGE	28	10
ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 62F53				



IL. ROUTE 59



PAVEMENT MARKINGS LEGEND

- ① THPL. PAVT. MARKING, WHITE, SKIP DASH, 4"
- ② THPL. PAVT. MARKING, YELLOW, DIAGONALS, 12"
- ③ THPL. PAVT. MARKING, YELLOW, DBL. CENTER LINE, 4" @ 11" C-C
- ④ THPL. PAVT. MARKING, YELLOW, MEDIAN EDGE LINE, 4"
- ⑤ THPL. PAVT. MARKING, WHITE, TURN LANE, 6"
- ⑥ THPL. PAVT. MARKING, WHITE, DOTTED LINE, 6"
- ⑦ THPL. PAVT. MARKING, WHITE, CROSS WALK, 6"
- ⑧ THPL. PAVT. MARKING, WHITE, CROSS WALK, 12"
- ⑨ THPL. PAVT. MARKING, WHITE, STOP BAR, 24"
- ⑩ THPL. PAVT. MARKING, WHITE, LETTERS & SYMBOLS
- ⑪ THPL. PAVT. MARKING, YELLOW, SKIP DASH, 4"
- ⑫ THPL. PAVT. MARKING, WHITE, DIAGONALS, 12"
- ⑬ THPL. PAVT. MARKING, WHITE, RAISED ISLAND EDGE, 8"

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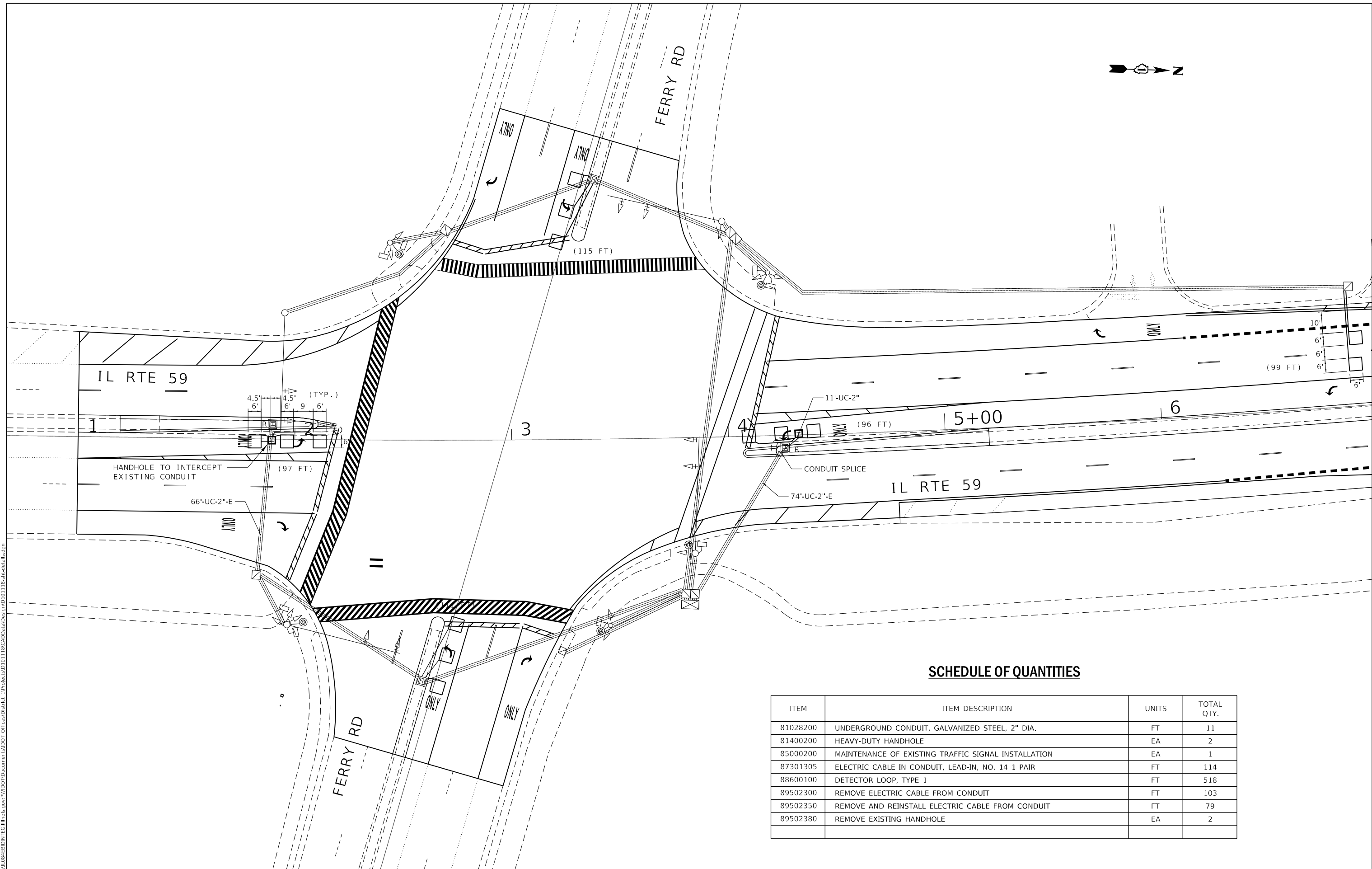
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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL. RTE. 59  
BATAVIA RD. TO FERRY RD.

SCALE: SHEET OF SHEETS STA. 56+00 TO STA. 85+29.5

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112RS-9	DUPAGE	28	11
CONTRACT NO. 62F53				
ILLINOIS FED. AID PROJECT				



**SCHEDULE OF QUANTITIES**

ITEM	ITEM DESCRIPTION	UNITS	TOTAL QTY.
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FT	11
81400200	HEAVY-DUTY HANDHOLE	EA	2
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EA	1
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FT	114
88600100	DETECTOR LOOP, TYPE 1	FT	518
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FT	103
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FT	79
89502380	REMOVE EXISTING HANDHOLE	EA	2

MODEL: Default  
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USER NAME = ledezmar	DESIGNED BS	REVISED -
DRAWN BS	REVISED -	
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PLOT DATE = 2/1/2018	DATE 12/11/2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

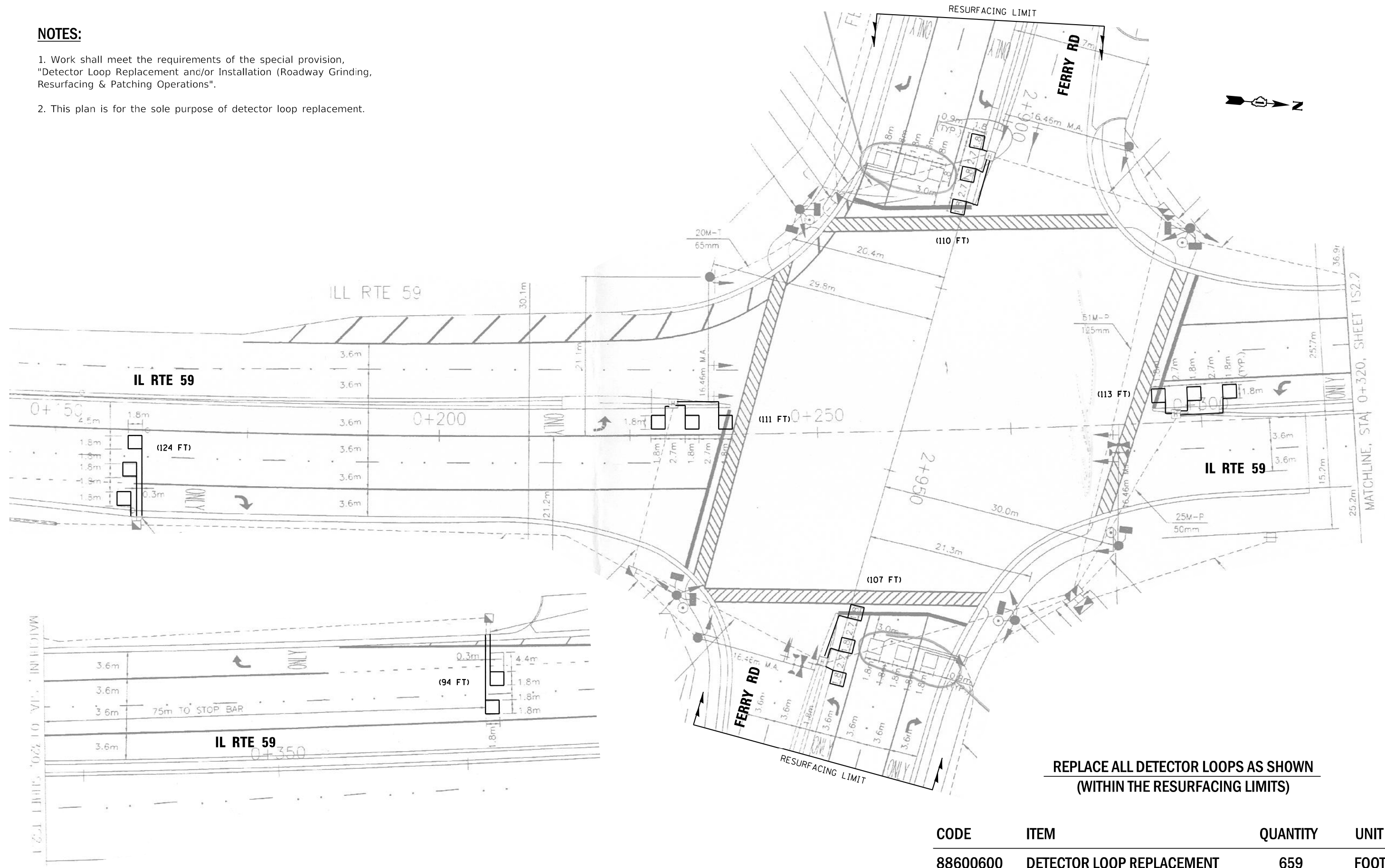
**HANDHOLE REPLACEMENT PLAN SHEET  
IL RTE 59 AT FERRY RD**

SCALE: 1"=40' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 112RS-9	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 12
CONTRACT NO. 62F53				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	659	FOOT

MODEL: Default  
 FILE NAME: 310PDesign\BIS\Detector Loop\62F53 - IL RTE 59 at Ferry Rd\CAD\1S1085 - IL RTE 59 AT FERRY RD 11/20/2017.dgn

USER NAME = snowba	DESIGNED - BS	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 11/20/2017	DATE - 11/20/2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

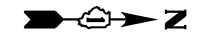
**DETECTOR LOOP REPLACEMENT PLAN  
IL RTE 59 AT FERRY RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 112RS-9	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F53	

**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	457	FOOT

MODEL: Default  
 FILE NAME: 311PDesign\BIS\Detector\_Loops\62F53 - IL RTE 59 from Bababab Rd to Ferry Rd\CAD\1526260 - IL RTE 59 AT BUTTERFIELD RD 11202017.dgn

USER NAME = snowba	DESIGNED - BS	REVISED -
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PLOT DATE = 11/20/2017	CHECKED - LP	REVISED -
	DATE - 11/20/2017	REVISED -

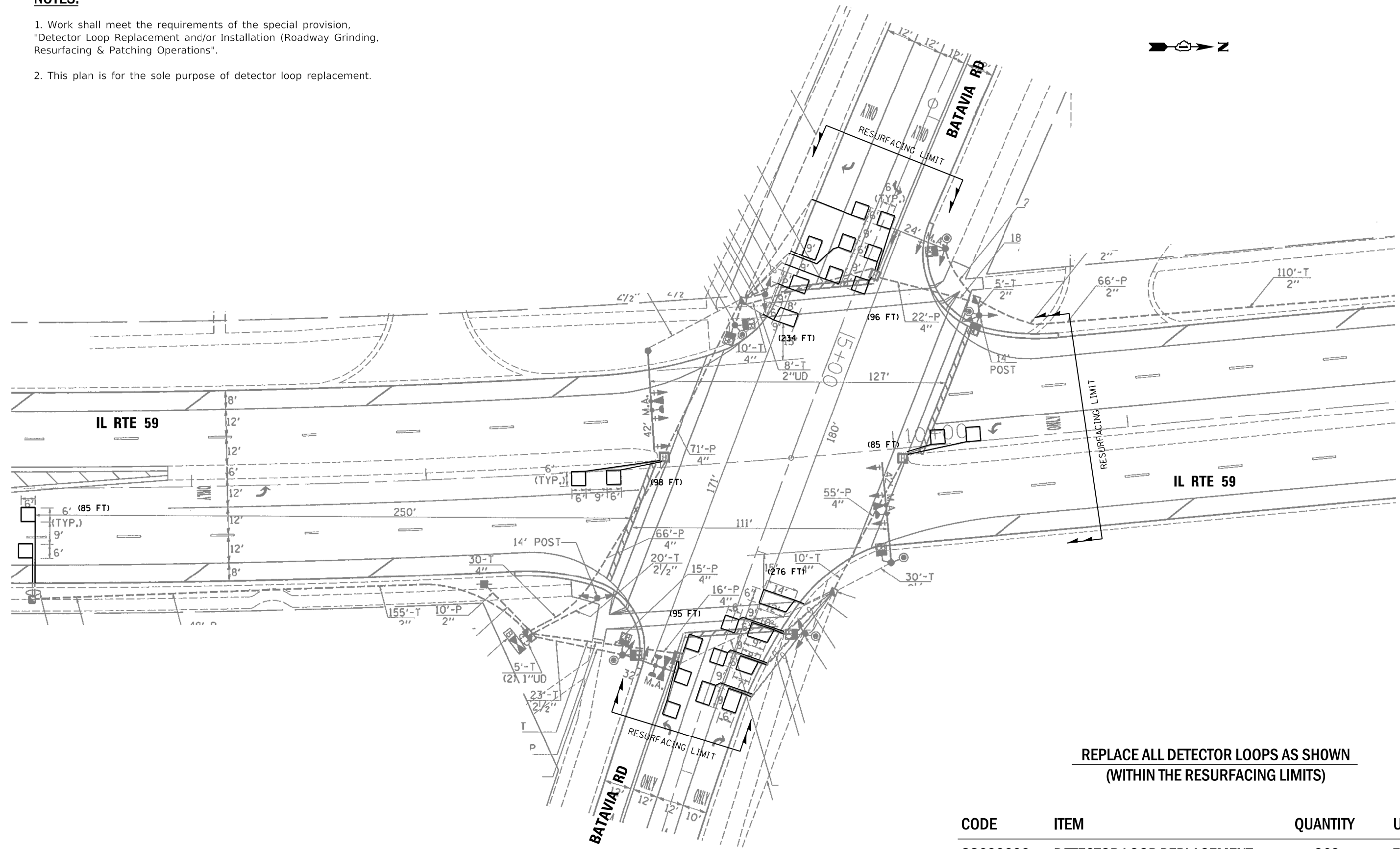
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETECTOR LOOP REPLACEMENT PLAN</b>			
<b>IL RTE 59 AT IL RTE 56 (BUTTERFIELD RD)</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 112RS-9	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F53	

**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	969	FOOT

MODEL: Default  
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USER NAME = snowba	DESIGNED - BS	REVISED -
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PLOT DATE = 11/20/2017	CHECKED - LP	REVISED -
	DATE - 11/20/2017	REVISED -

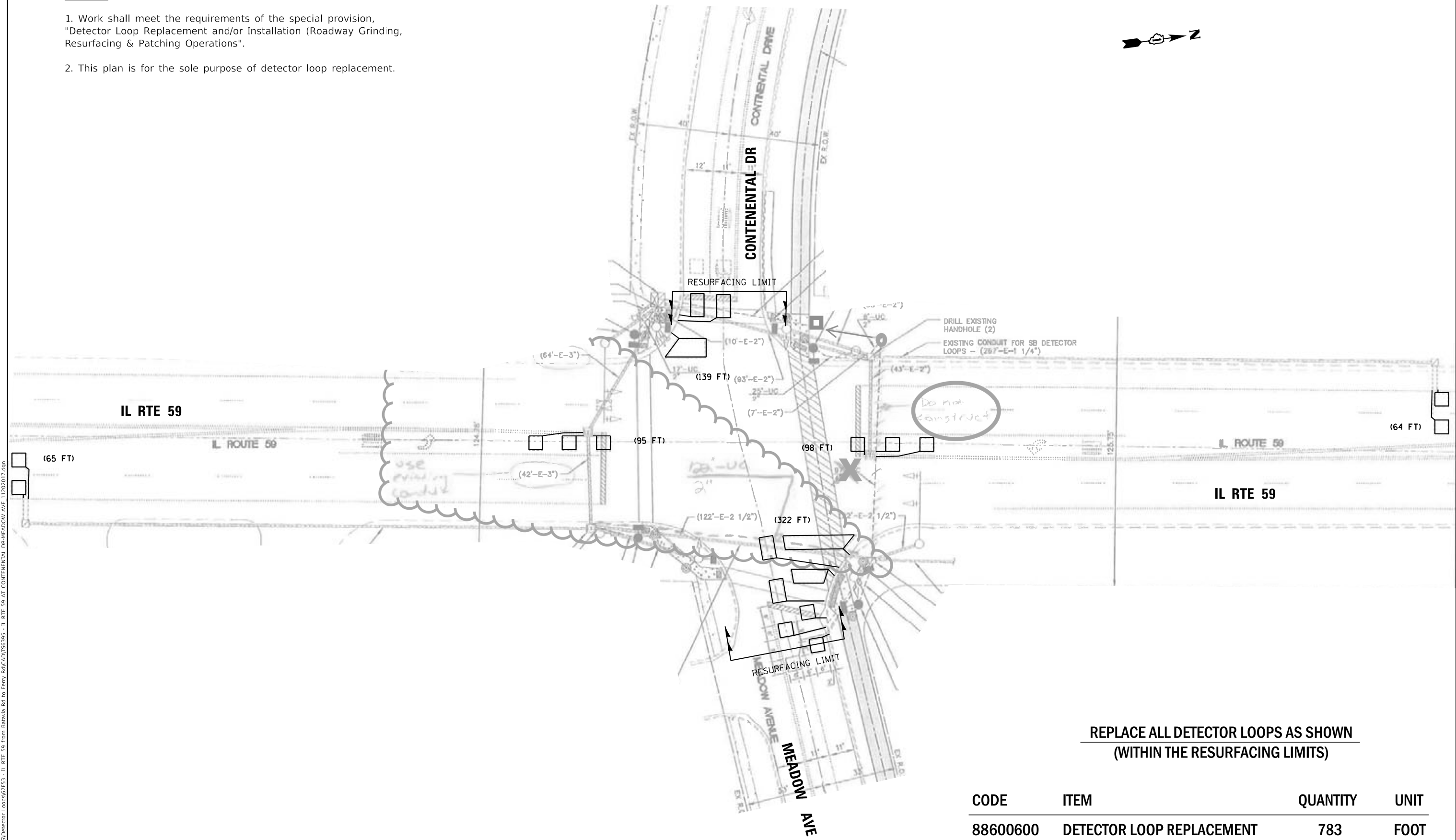
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETECTOR LOOP REPLACEMENT PLAN</b>				
<b>IL RTE 59 AT BATAVIA RD</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112RS-9	DUPAGE	28	15
CONTRACT NO. 62F53				
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	783	FOOT

MODEL: Default  
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	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 11/20/2017	DATE - 11/20/2017	REVISED -

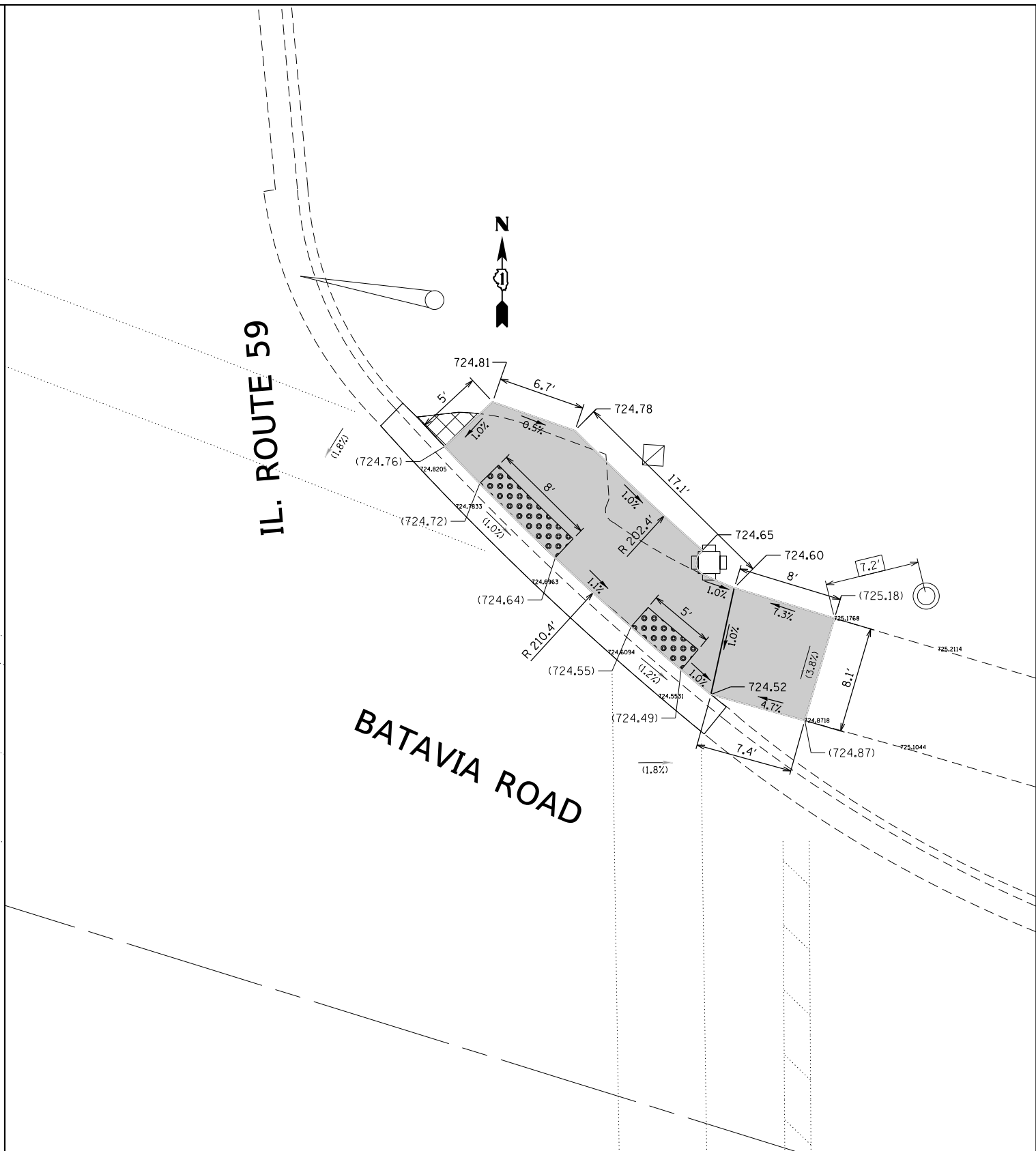
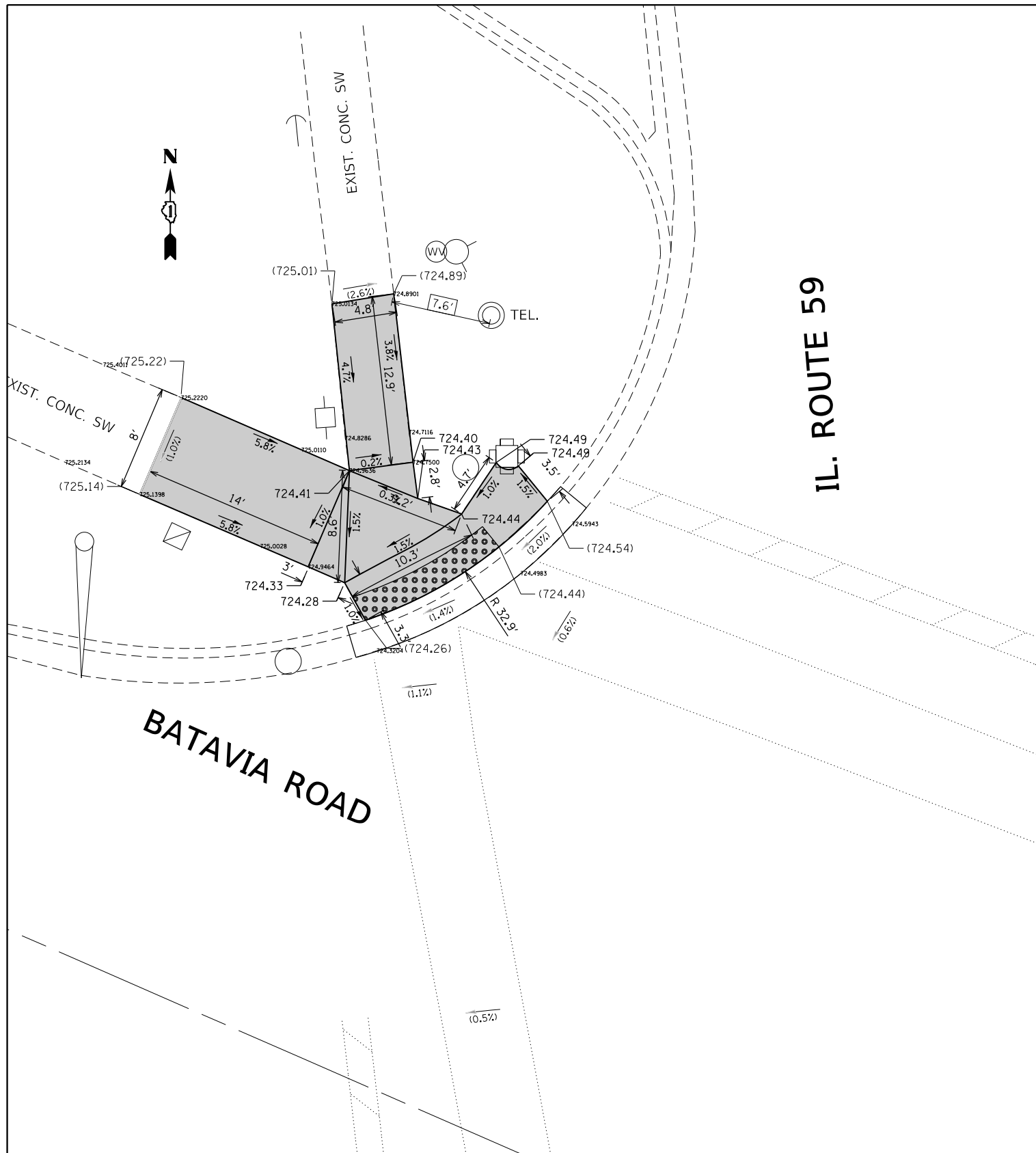
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
IL RTE 59 AT CONTENENTAL DR /MEADOW AVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 112RS-9	COUNTY	TOTAL SHEETS 28	SHEET NO. 16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F53	





REFERENCE BENCH MARK ELEV 725.31

BENCHMARK : CUT X

LOCATION : NE CORNER OF CONC. RIM OF HANDHOLE IN NE CORNER IL-59 & BATAVIA RD

**LEGEND**

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
====	PROPOSED SIDE CURB		DETECTABLE WARNINGS
( )	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

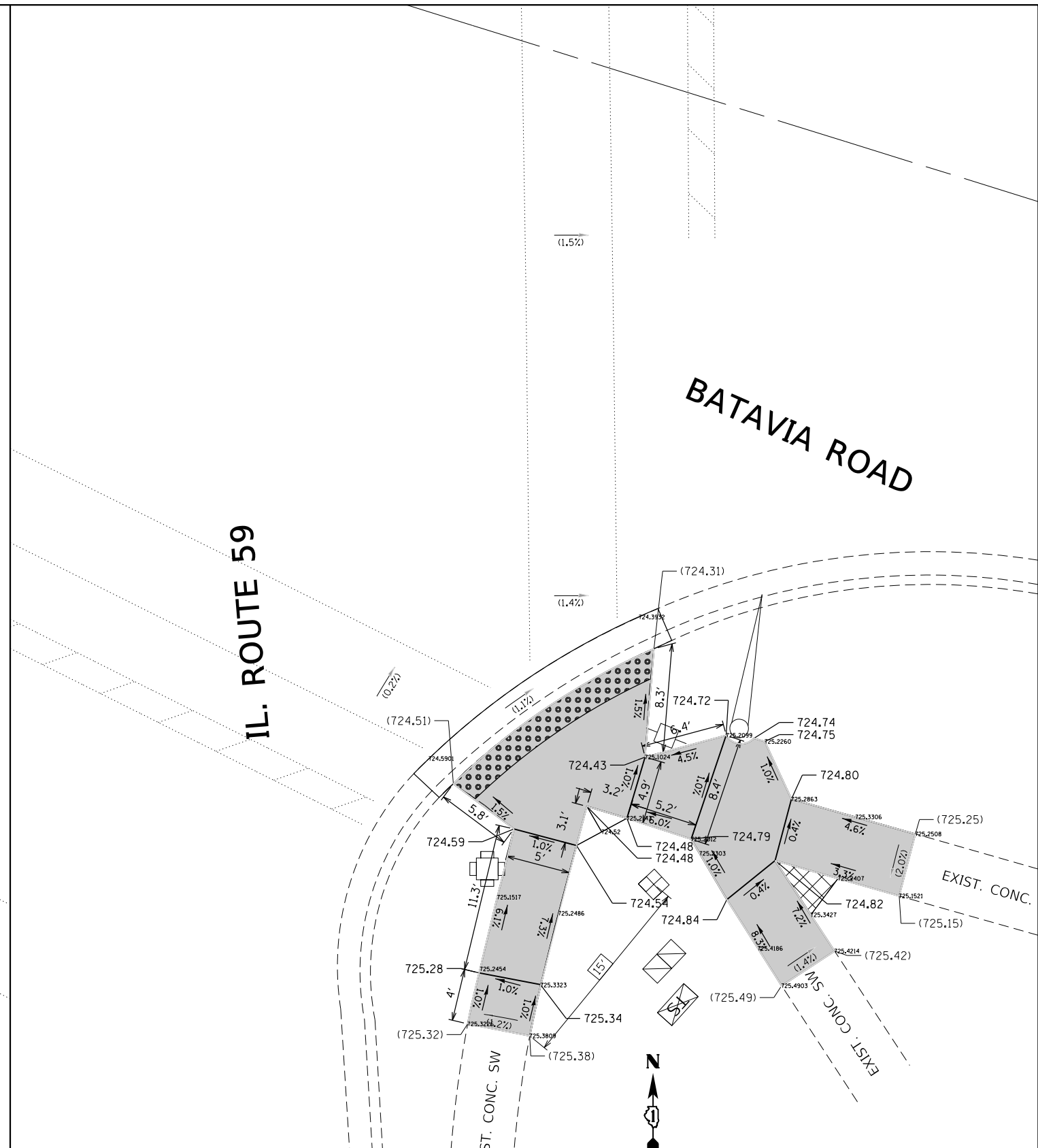
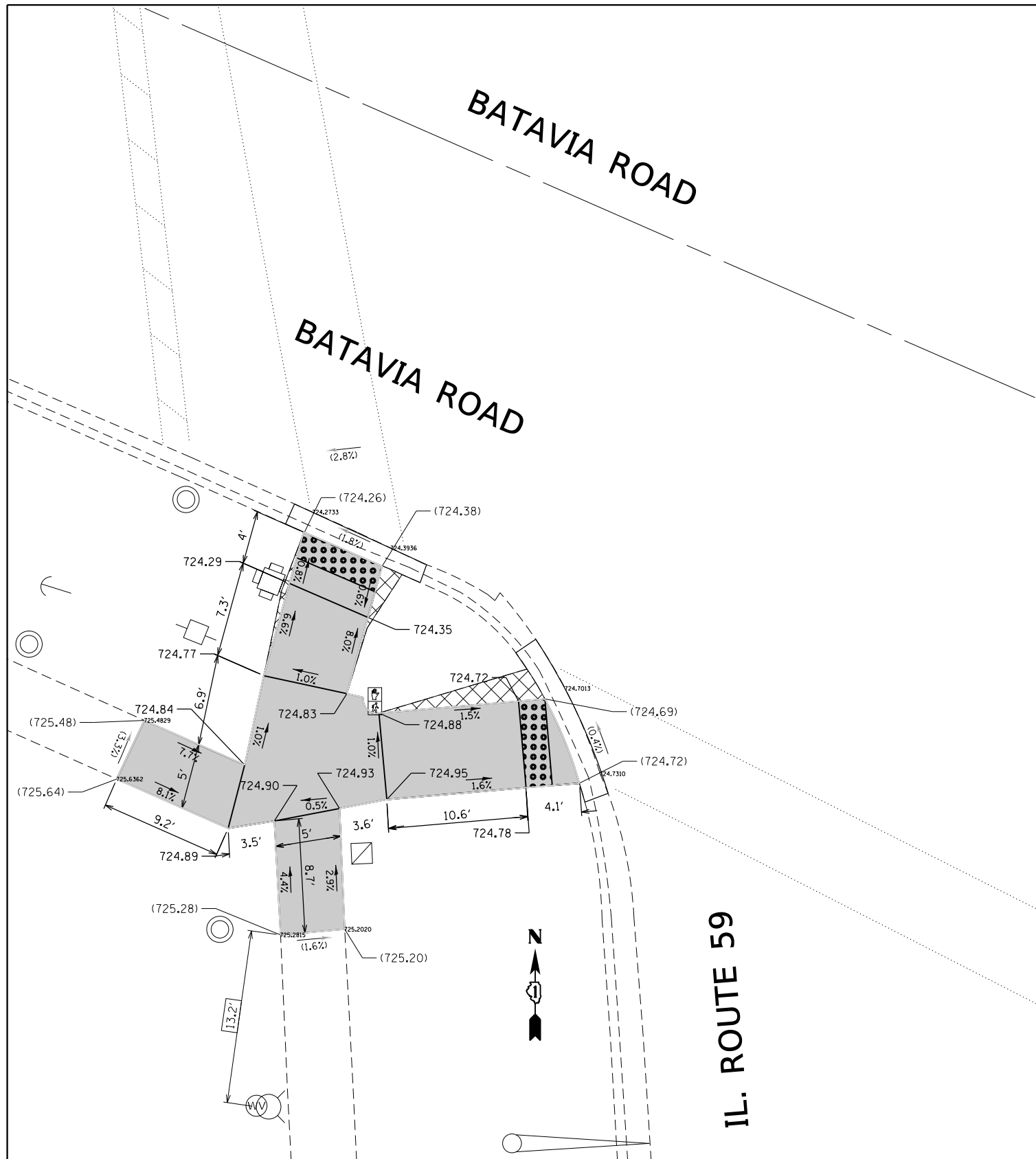
REFERENCE BENCH MARK ELEV 725.31

BENCHMARK : CUT X

LOCATION : NE CORNER OF CONC. RIM OF HANDHOLE IN NE CORNER IL-59 & BATAVIA RD

FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL-59 &amp; BATAVIA RD SIDEWALK DETAIL PLAN IL 59 FROM BATAVIA RD TO FERRY RD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 2/1/2018	DATE -	REVISED -			CONTRACT NO. 62F53				

SCALE: SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT



REFERENCE BENCH MARK ELEV 725.31  
 BENCHMARK : CUT X  
 LOCATION : NE CORNER OF CONC. RIM OF HANDHOLE IN NE CORNER IL-59 & BATAVIA RD

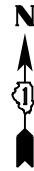
**LEGEND**

xx.xx'	EXISTING LENGTH	[Solid Grey Box]	PROPOSED SIDEWALK
==	PROPOSED SIDE CURB	[Grid Pattern Box]	DETECTABLE WARNINGS
( )	EXISTING ELEVATION/SLOPE	[Cross-hatch Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

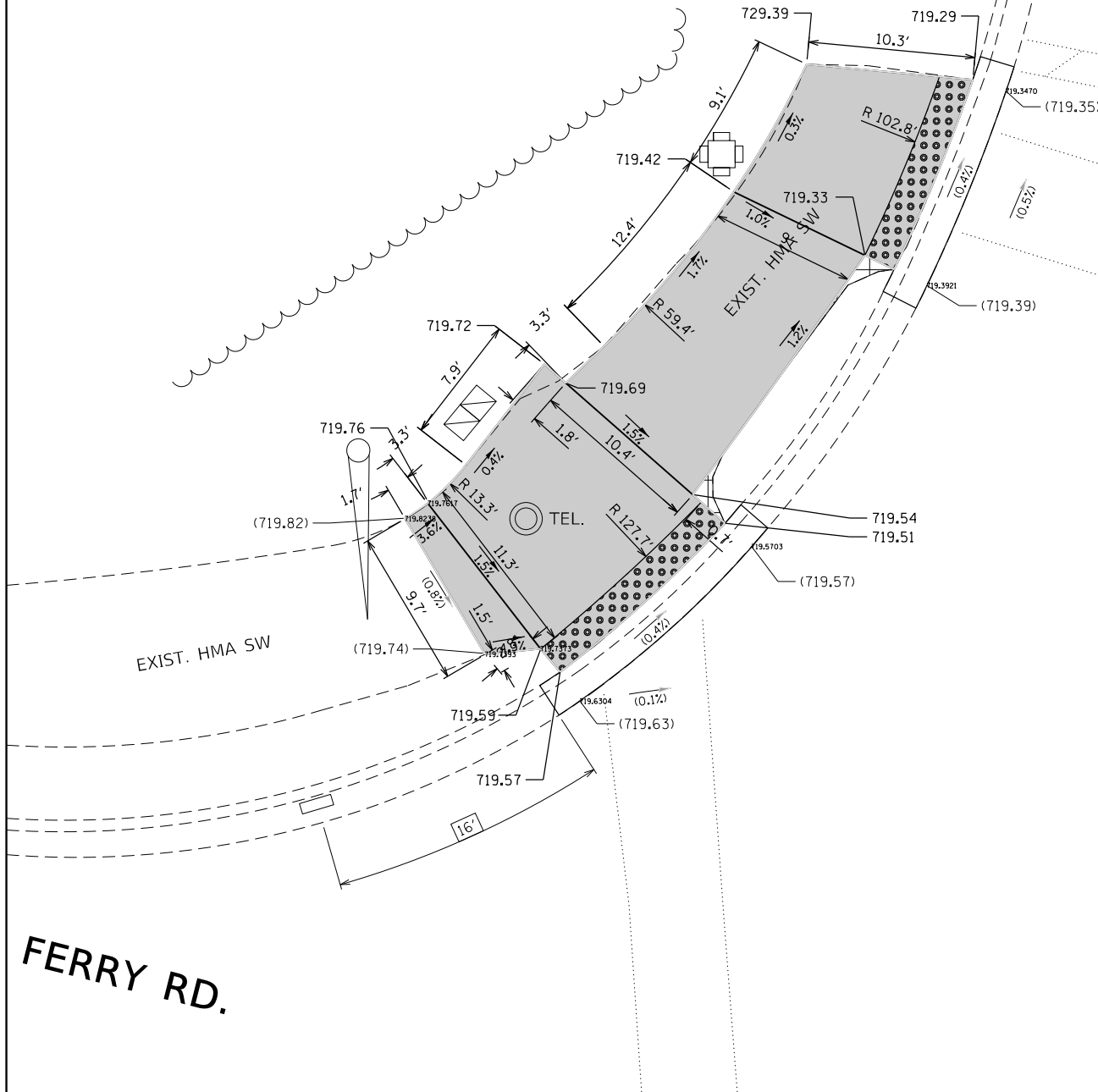
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 BENCHMARK : CUT X  
 LOCATION : NE CORNER OF CONC. RIM OF HANDHOLE IN NE CORNER IL-59 & BATAVIA RD

FILE NAME =	USER NAME = ledezmar	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL-59 &amp; BATAVIA RD SIDEWALK DETAIL PLAN IL 59 FROM BATAVIA RD TO FERRY RD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI01\RAM\Design\DI01118-shr-det\fig.dgn	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			338	112R5-9	DUPAGE	28	18
Default	PLOT DATE = 2/1/2018	DATE -	REVISED -			CONTRACT NO. 62F53				

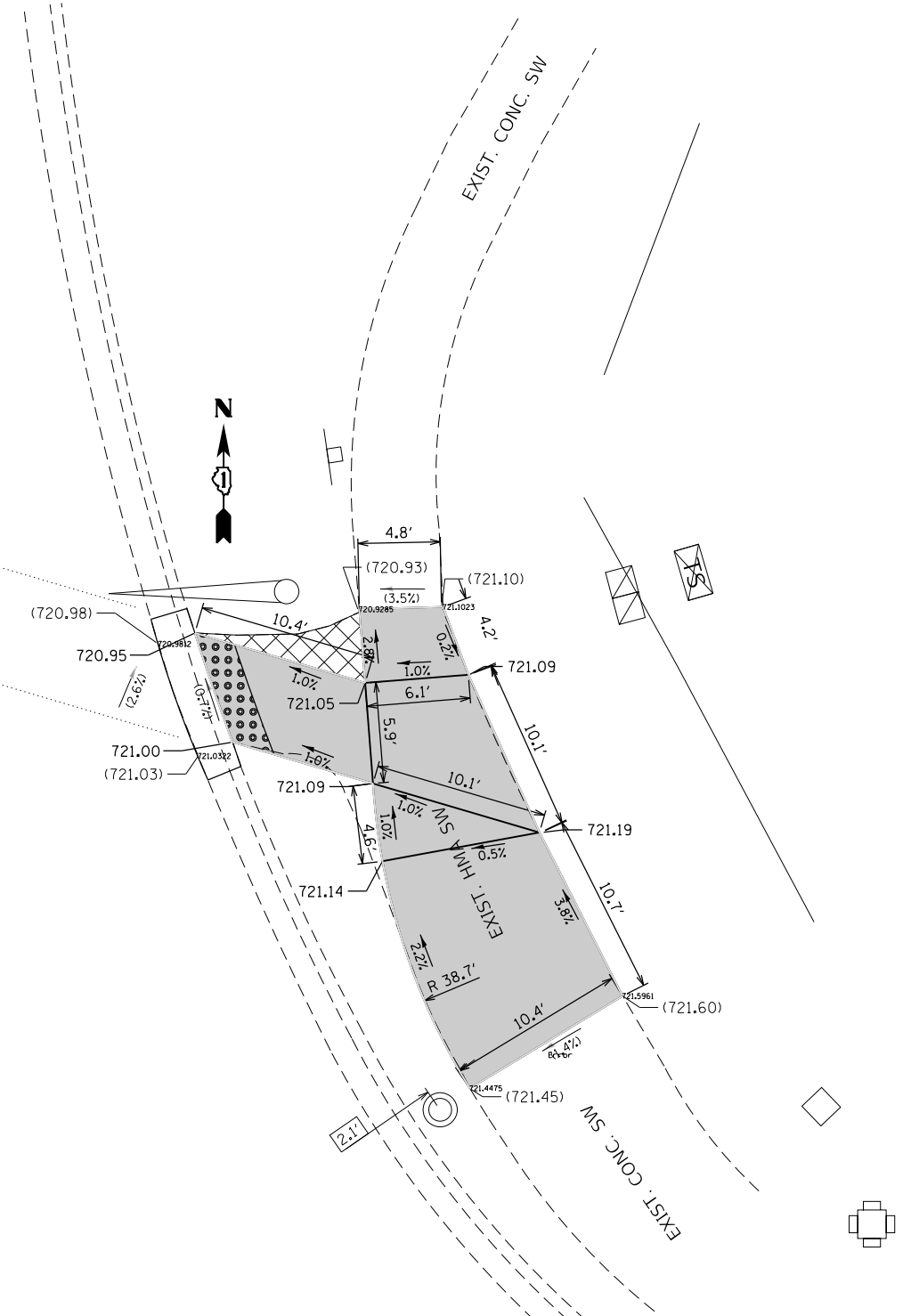
SCALE: SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT



IL. RTE. 59



IL. RTE. 59



REFERENCE BENCH MARK ELEV 720.29  
 BENCHMARK : CUT SQUARE  
 LOCATION : S. CONC. BASE OF T.S. W/ARM IN NW OF IL-59 & FERRY RD

**LEGEND**



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCH MARK ELEV 720.29  
 BENCHMARK : CUT SQUARE  
 LOCATION : S. CONC. BASE OF T.S. W/ARM IN NW OF IL-59 & FERRY RD

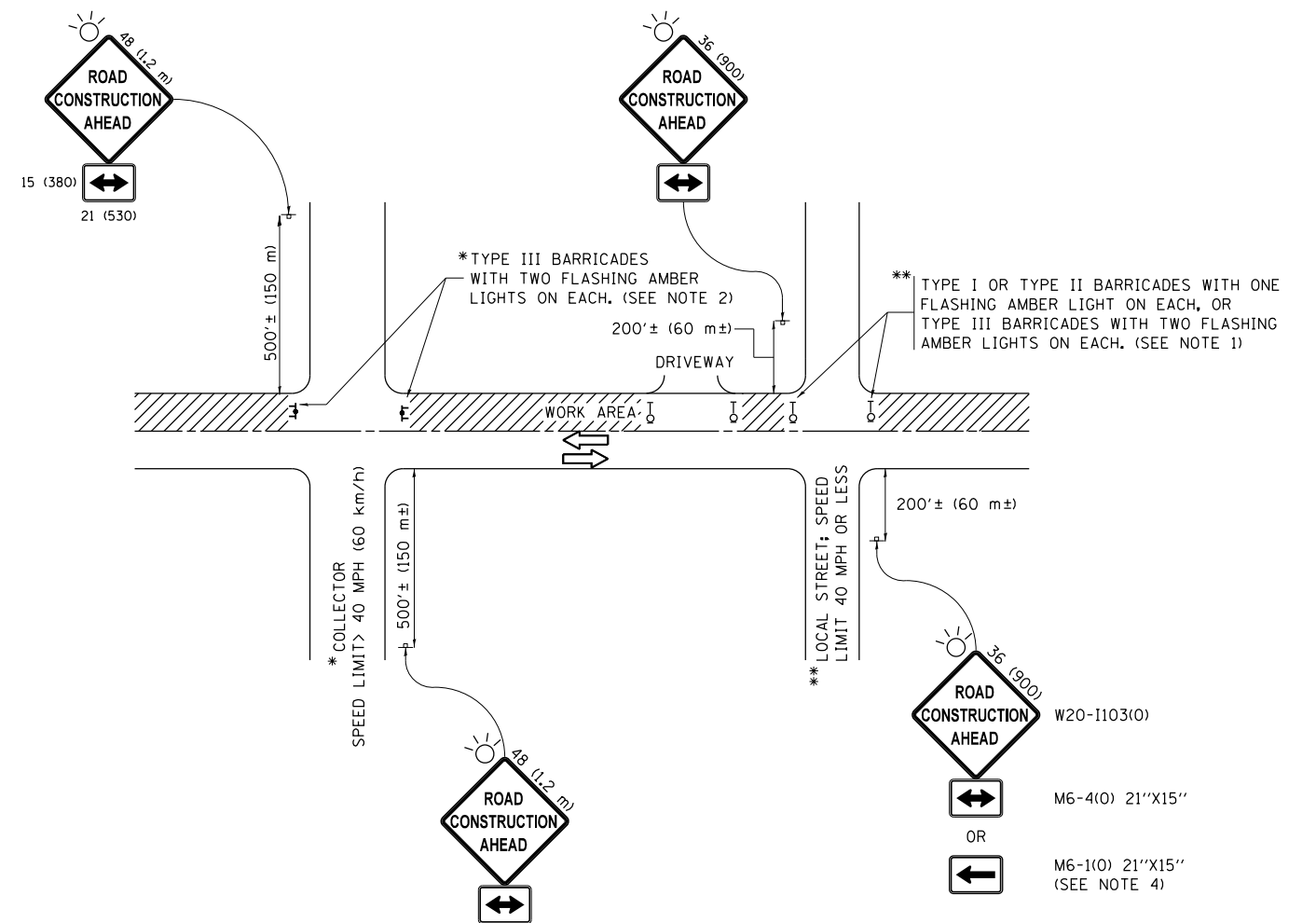
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Default	PLOT DATE = 2/1/2018	DATE -	REVISED -

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

**IL-59 & FERRY RD SIDEWALK DETAIL PLAN**  
**IL 59 FROM BATAVIA RD TO FERRY RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112R5-9	DUPAGE	28	19
CONTRACT NO. 62F53				
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.

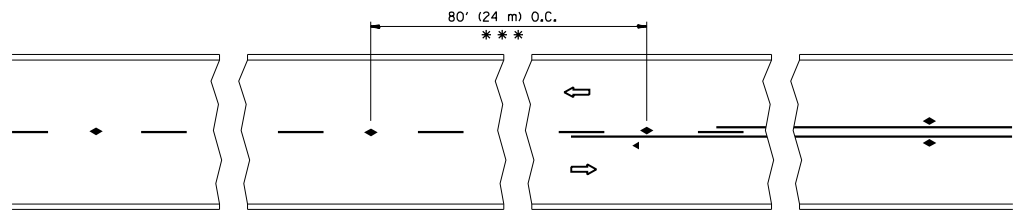
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	PLOT DATE = 2/1/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

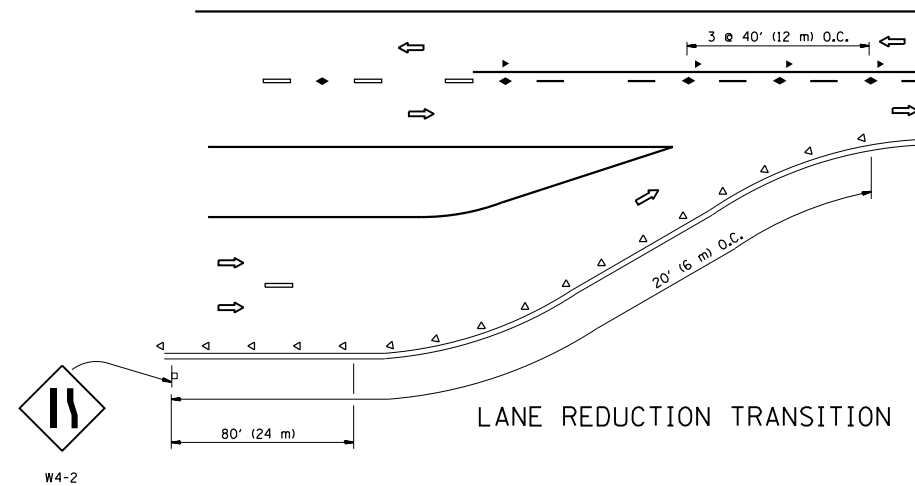
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112RS-9	DUPAGE	28	20
<b>TC-10</b>			<b>CONTRACT NO. 62F53</b>	
ILLINOIS FED. AID PROJECT				

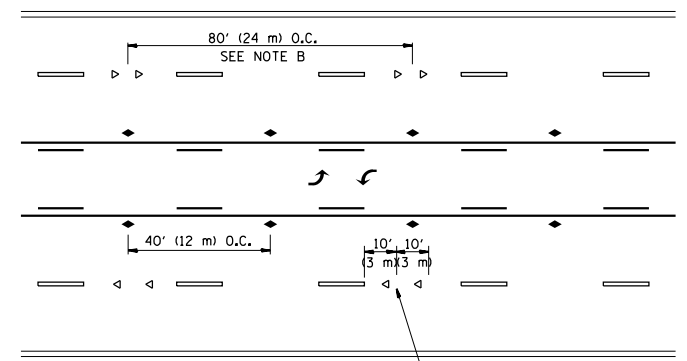


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

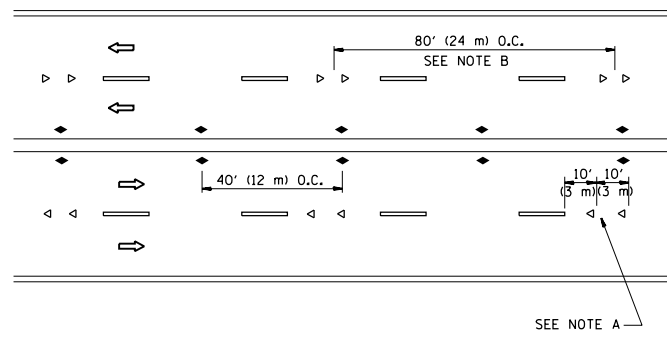
TWO-LANE/TWO-WAY



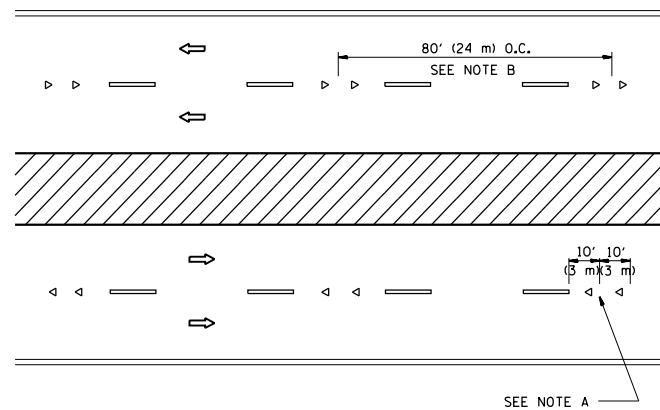
LANE REDUCTION TRANSITION



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

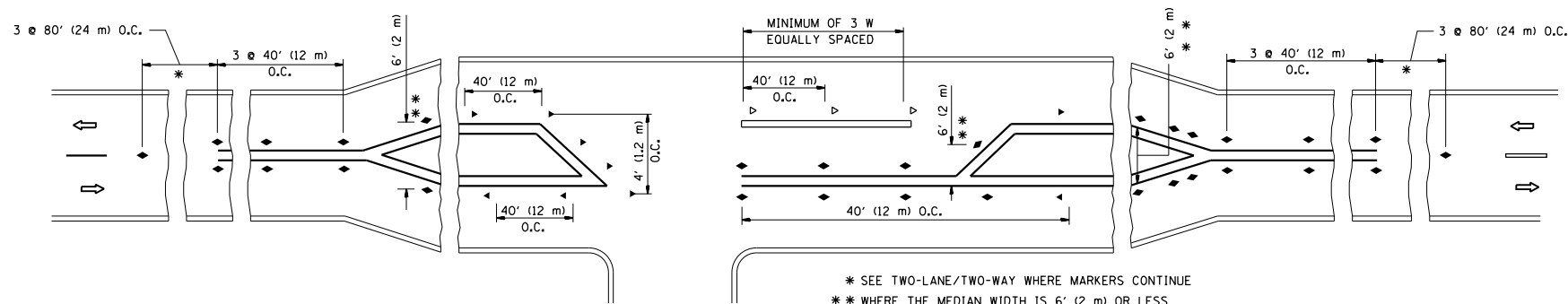
- YELLOW STRIPE
- ▬ WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

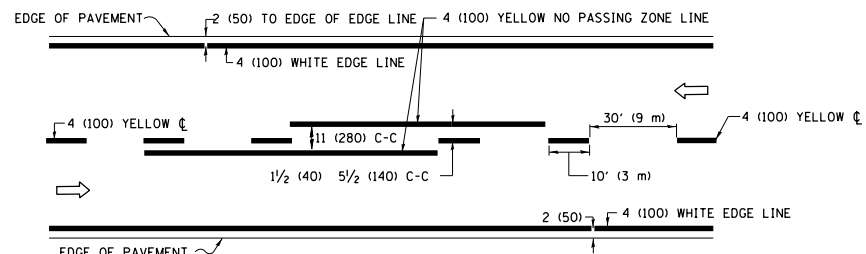


\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

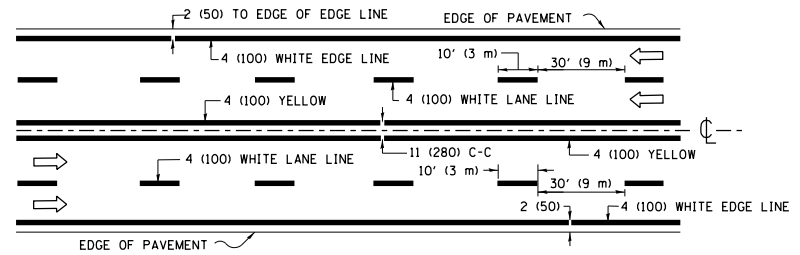
LEFT TURN

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

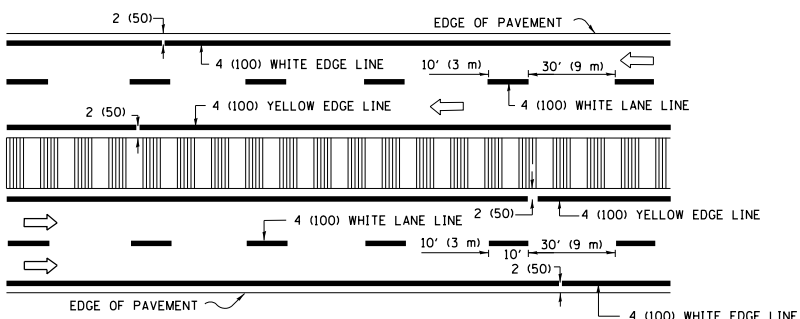
FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI01\RAMM\Design\DistStd.dgn		CHECKED -	REVISED - T. RAMMACHER 03-12-99					338	112RS-9	DUPAGE	28	21
PLOT SCALE = 100.0000' / 1"		DATE -	REVISED - T. RAMMACHER 01-06-00		<b>TC-11</b>			<b>CONTRACT NO. 62F53</b>				
PLOT DATE = 2/1/2018			REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



**2-LANE ROADWAY**

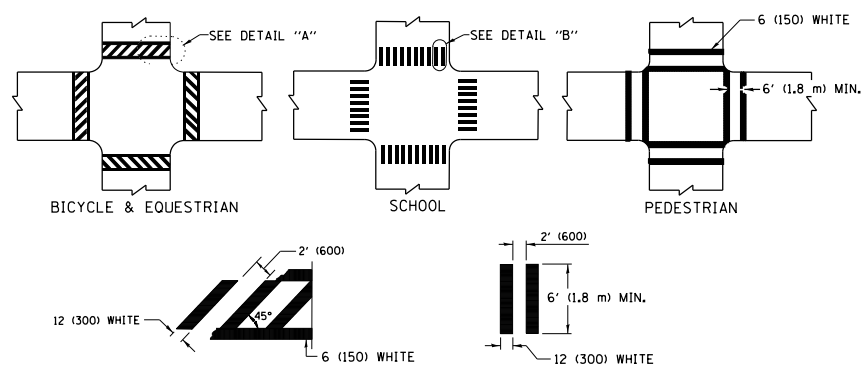


**MULTI-LANE UNDIVIDED**



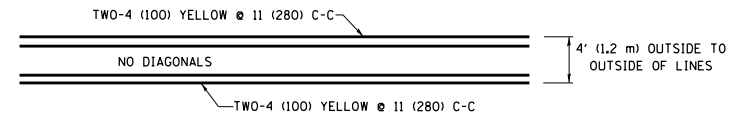
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

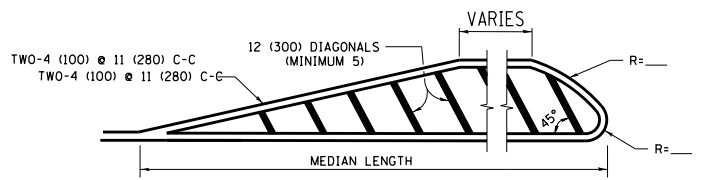


**TYPICAL CROSSWALK MARKING**

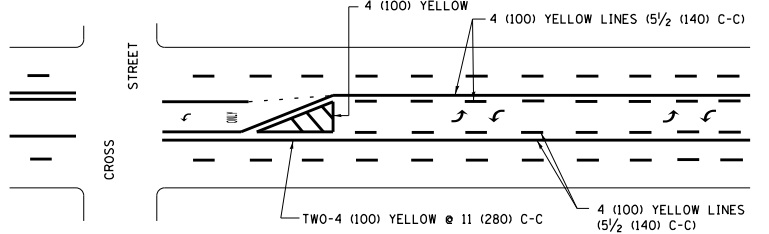
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



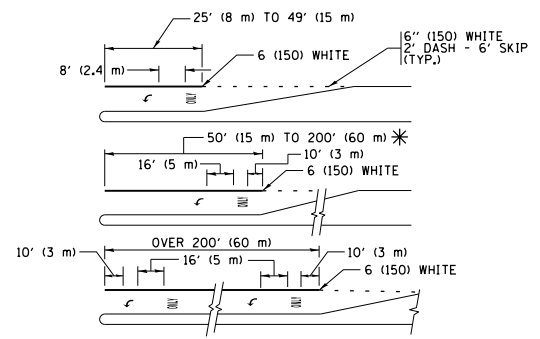
**4' (1.2 m) WIDE MEDIANS ONLY**



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



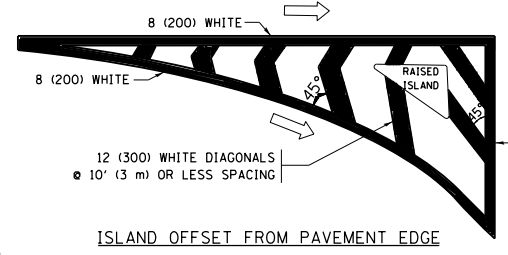
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



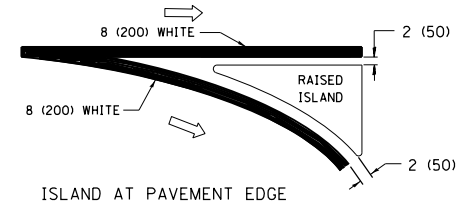
**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

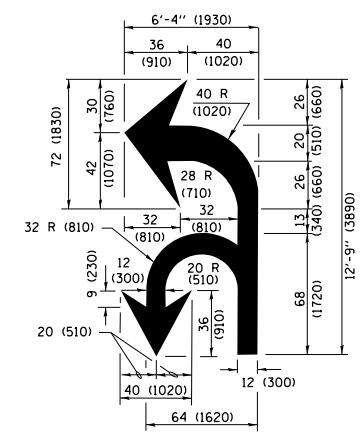
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



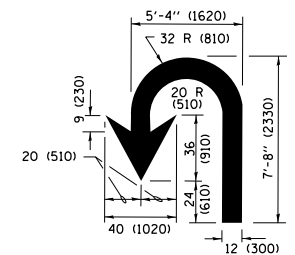
**ISLAND OFFSET FROM PAVEMENT EDGE**



**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' (22.5 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.

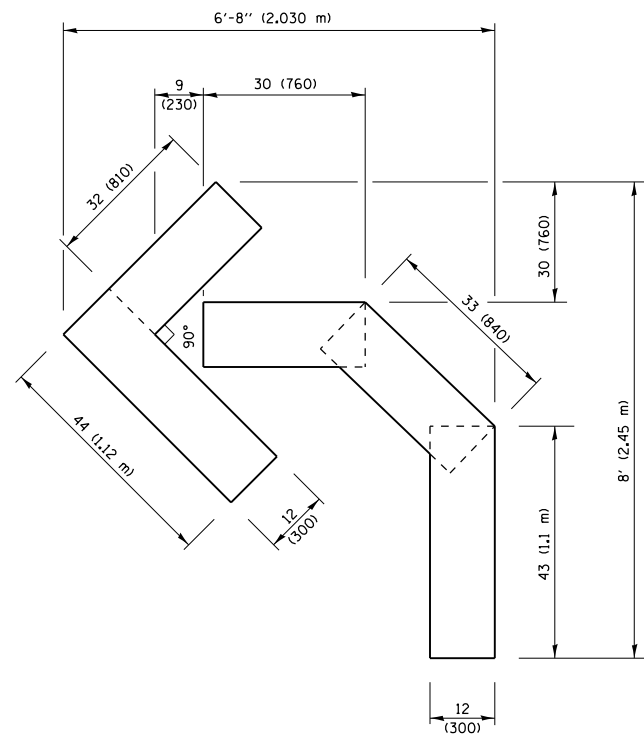
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pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\0101\01RAM\ta\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
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**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

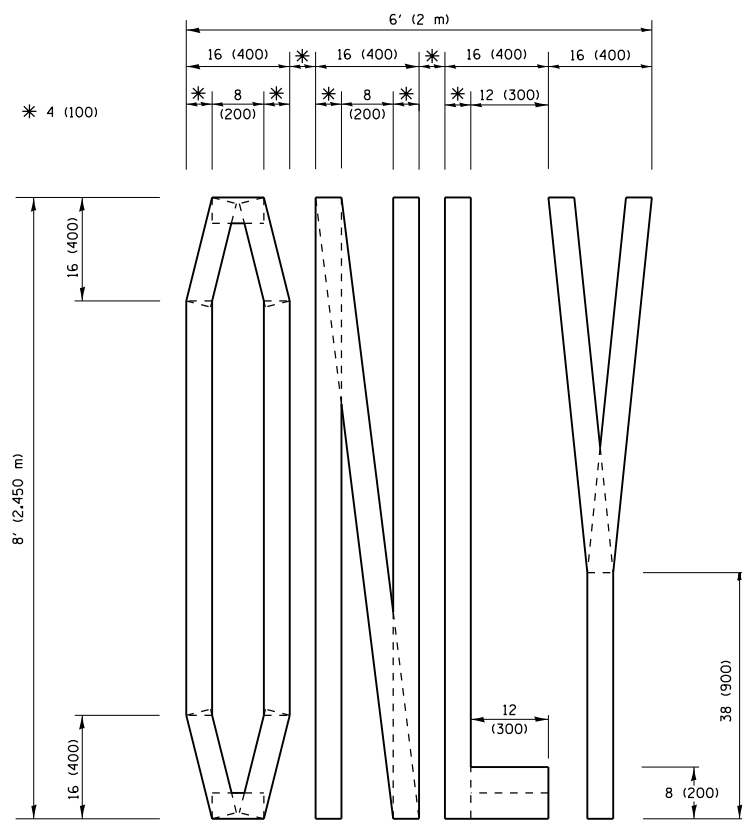
**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

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

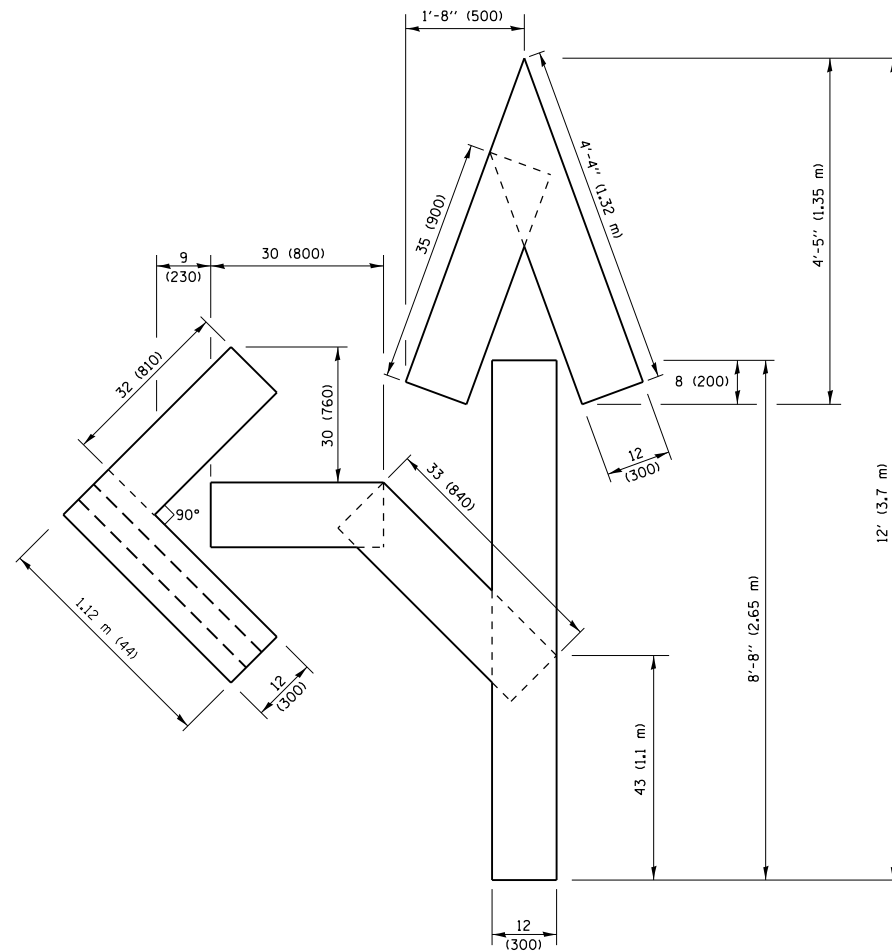
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112R5-9	DUPAGE	28	22
<b>TC-13</b>			<b>CONTRACT NO. 62F53</b>	
ILLINOIS FED. AID PROJECT				



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



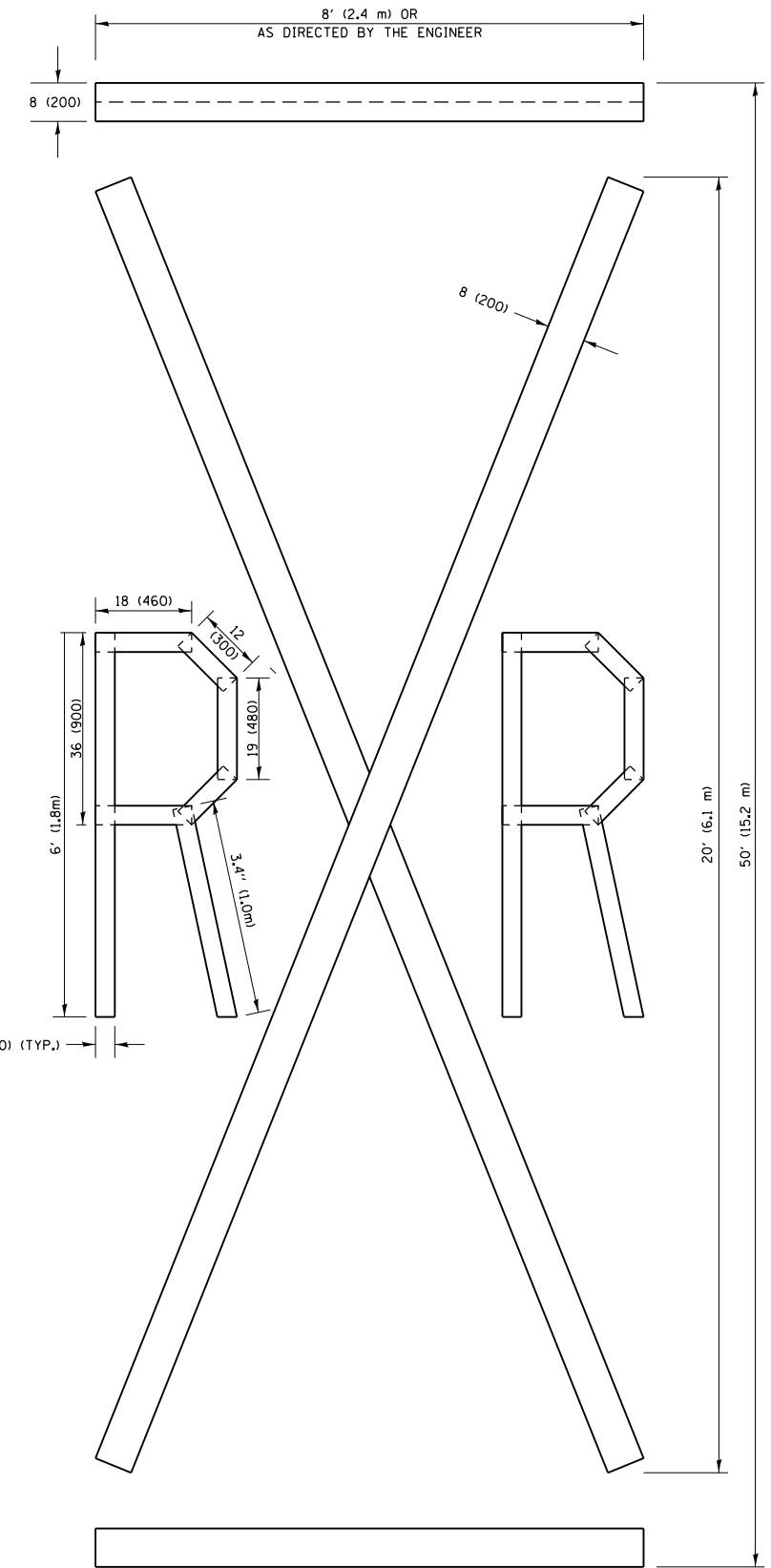
**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



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

**NOTE:**

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



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

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

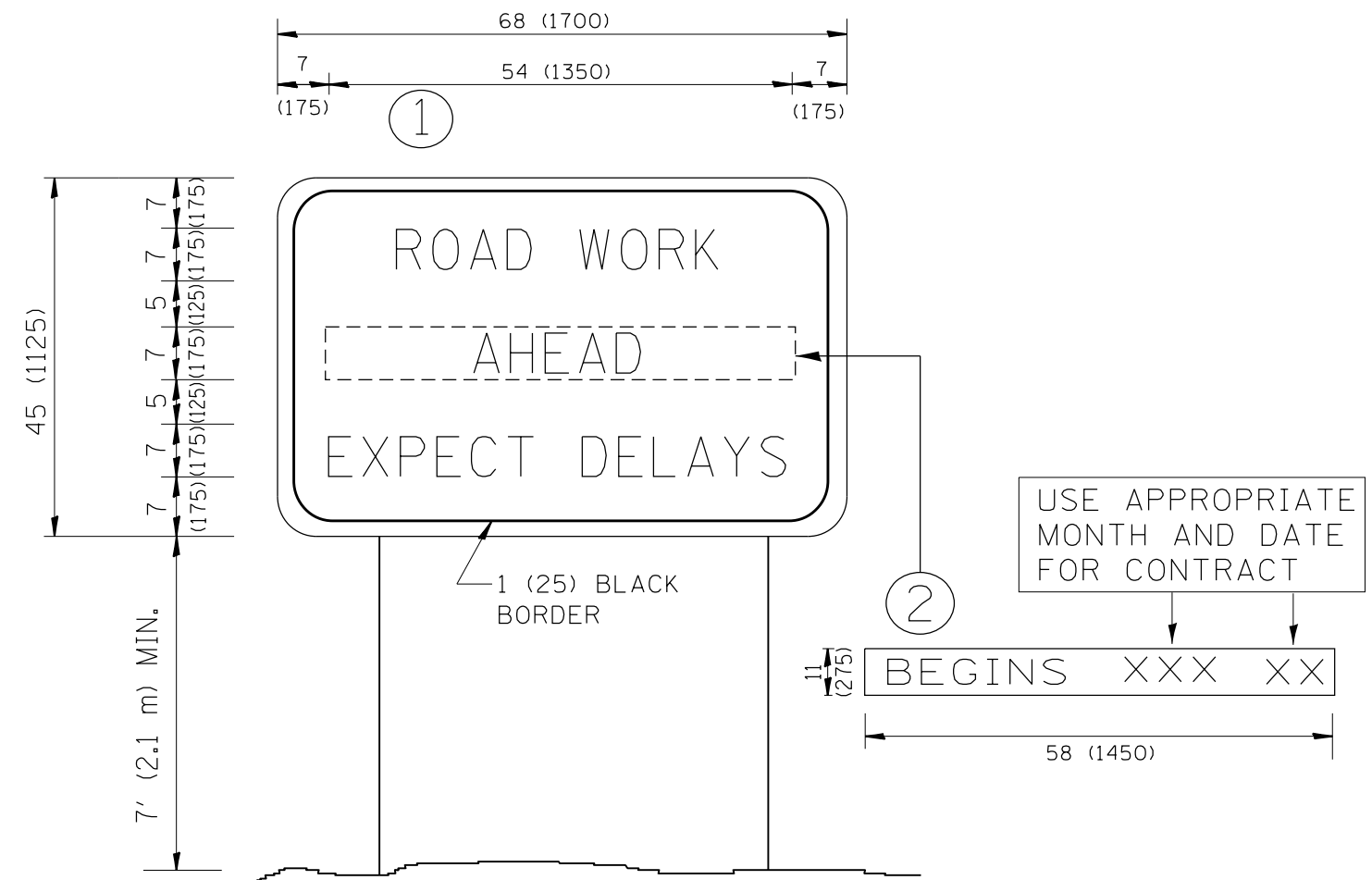
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PLOT SCALE = 100.0001' / in.	CHECKED -		REVISED - E. GOMEZ 08-28-00
PLOT DATE = 2/1/2018	DATE -	09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	112RS-9	DUPAGE	28	23
TC-16			CONTRACT NO. 62F53	
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 = ledezmar	DESIGNED -	REVISED - R. MIRS 09-15-97
pw\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI01\RAMM\Design\DistStd.dgn		CHECKED -	REVISED - R. MIRS 12-11-97
		PLOT SCALE = 100.0000' / 1in.	REVISED - T. RAMMACHER 02-02-99
		PLOT DATE = 2/1/2018	REVISED - C. JUCIUS 01-31-07

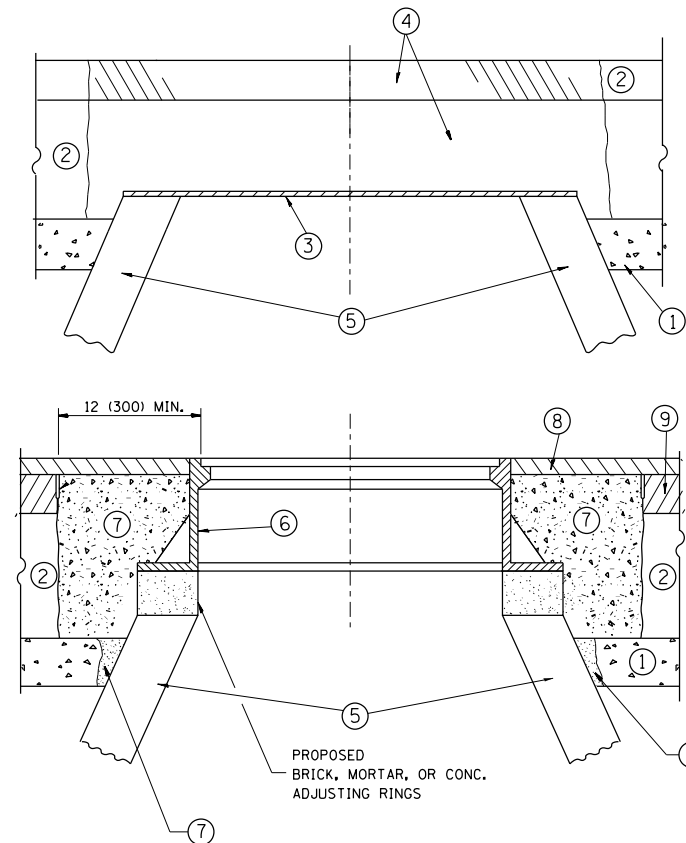
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**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.
338	112RS-9		28	24
TC-22			CONTRACT NO. 62F53	
FED. ROAD DIST. NO. 1 ILLINOIS FED. 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
- ⑥ FRAME AND LID (SEE NOTES)
- ② EXISTING PAVEMENT
- ⑦ CLASS PP-1\* CONCRETE
- ③ 36 (900) DIAMETER METAL PLATE
- ⑧ PROPOSED HMA SURFACE COURSE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑨ PROPOSED HMA BINDER COURSE
- ⑤ EXISTING STRUCTURE

**LOCATION OF STRUCTURES:**

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

**BASIS OF PAYMENT:**

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**

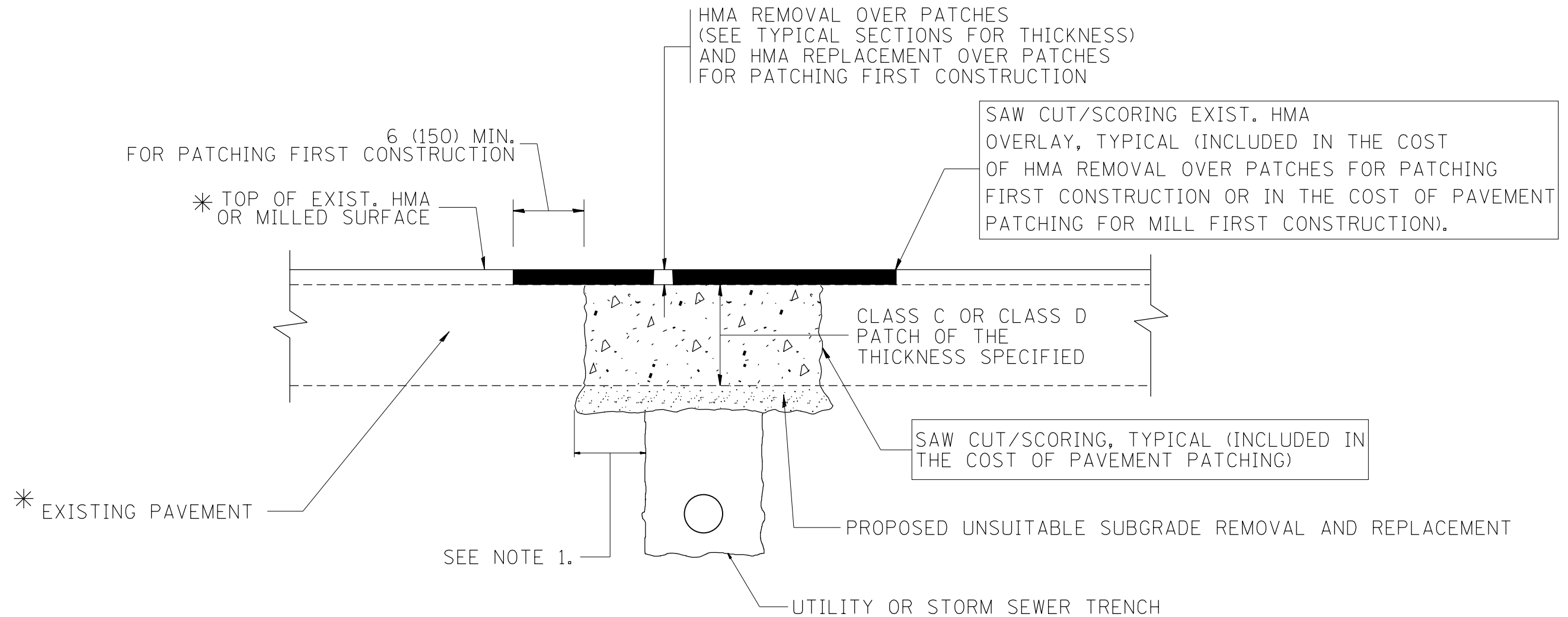
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = ldezma	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI01\01RAM\01\Design\DistStd.dgn			REVISED - R. BORO 01-01-07
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	PLOT DATE = 2/1/2018	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE. 338	SECTION 112RS-9	COUNTY	TOTAL SHEETS 28	SHEET NO. 25
<b>BD600-03 (BD-8)</b>		<b>CONTRACT NO. 62F53</b>		
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



\* 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)

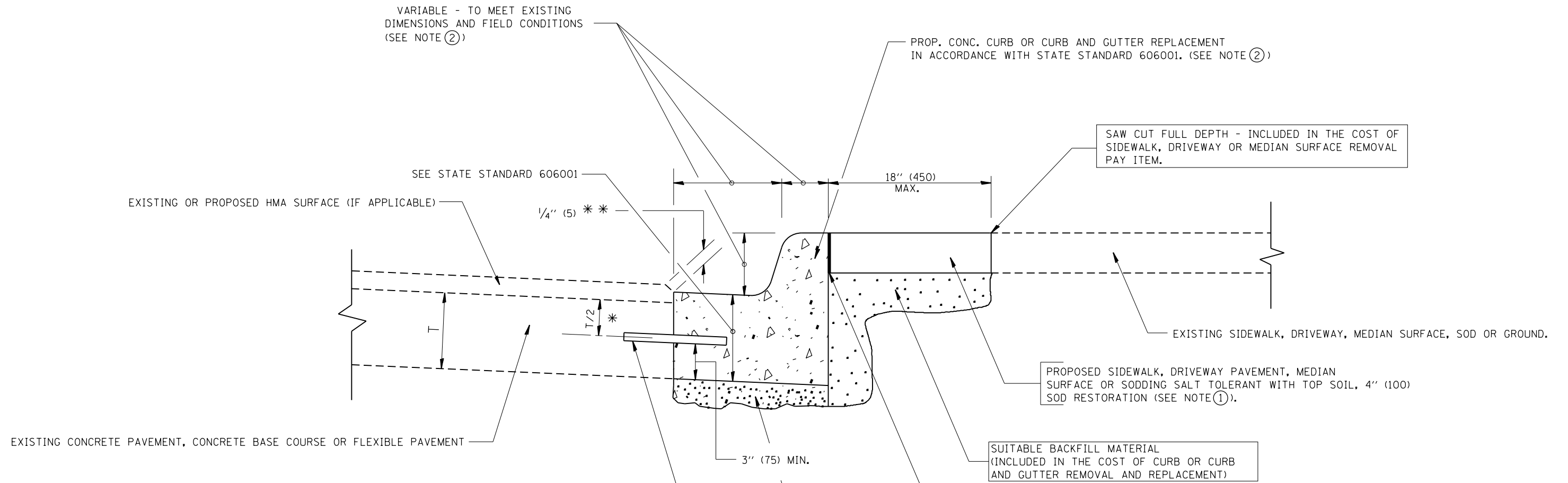
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 = ldezmar	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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI01\RAM\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					338	112RS-9	DUPAGE	28	26
PLOT DATE = 2/1/2018	DATE - 10-25-94	REVISED - R. BORO 09-04-07	REVISED - K. ENG 10-27-08		BD400-04 (BD-22)			CONTRACT NO. 62F53				
					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.

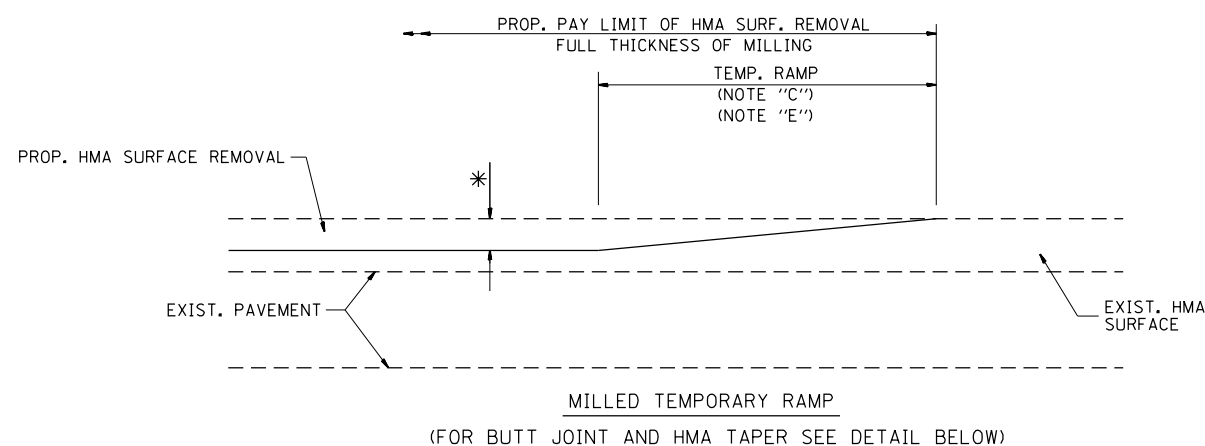
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
- REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- REMOVAL 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 USABLE 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".

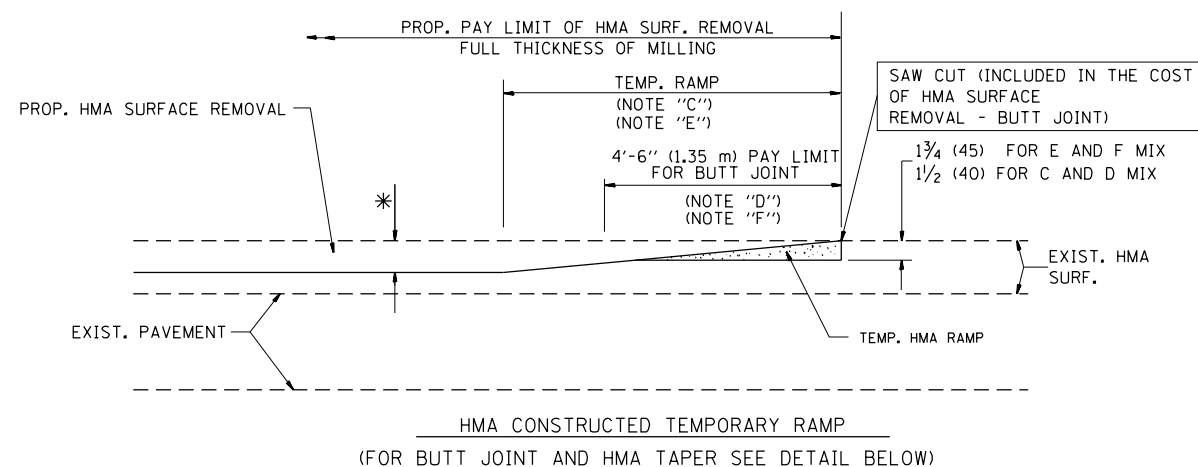
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = ldezma	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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - A. ABBAS 03-21-97			338	112RS-9	DUPAGE	28	27	
			REVISED - M. GOMEZ 01-22-01			<b>BD600-06 (BD-24)</b>		<b>CONTRACT NO. 62F53</b>			
			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	

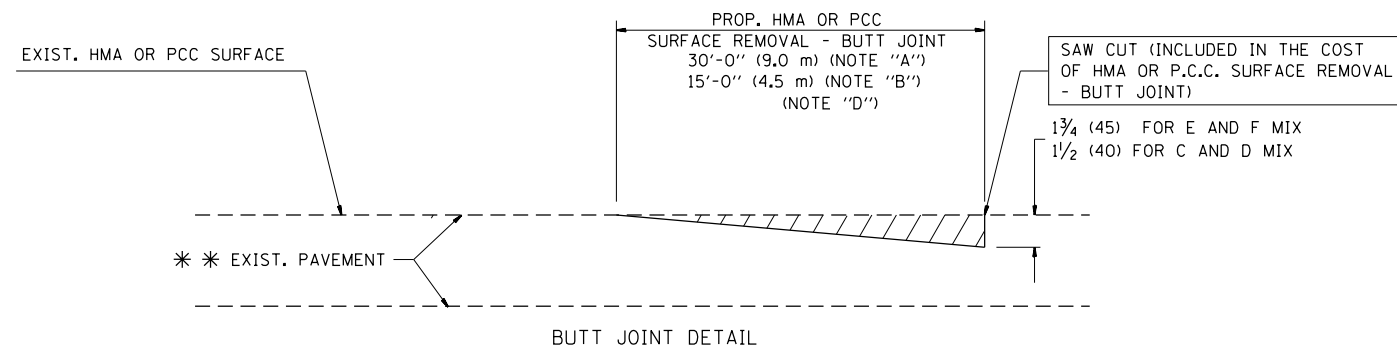


**OPTION 1**

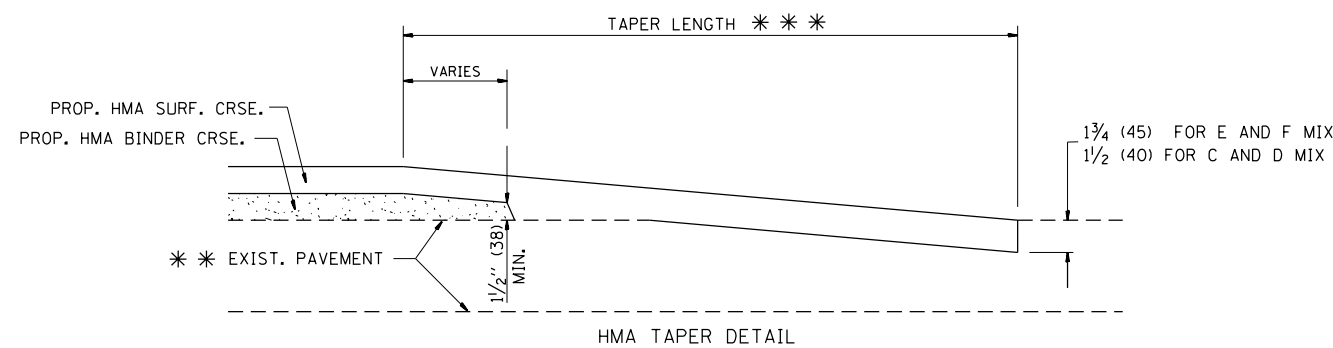


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\* \* \* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

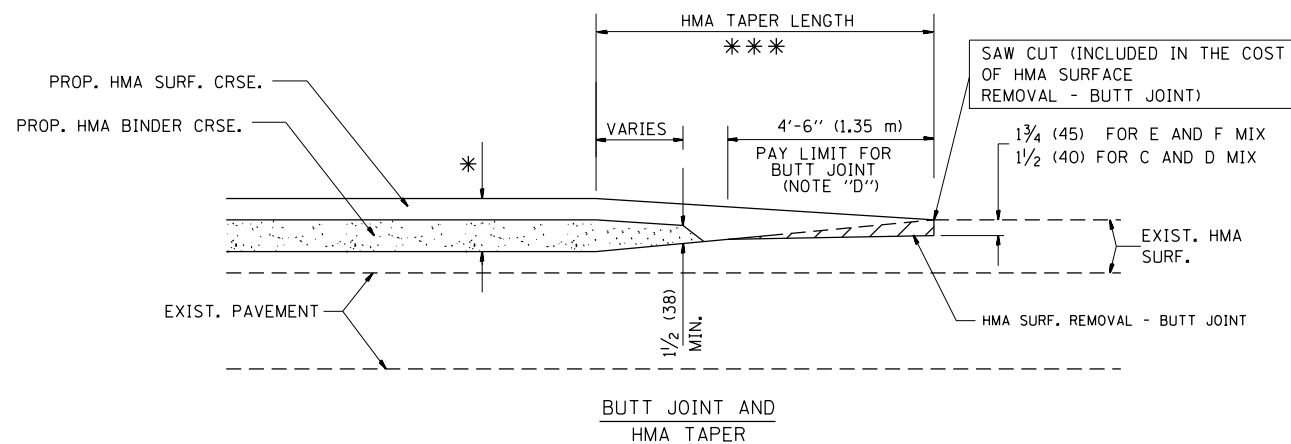
**NOTES**

- 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 = ldezmarm	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
pw:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI01\ORAN\Design\DistStd.dgn		CHECKED -	REVISED - A. ABBAS 03-21-97
		DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01
			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.
338	112RS-9	DUPAGE	28	28
BD400-05 BD32		CONTRACT NO. 62F53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				