

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2016-045RS	COOK	36	1
ILLINOIS			CONTRACT NO. 62D03	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

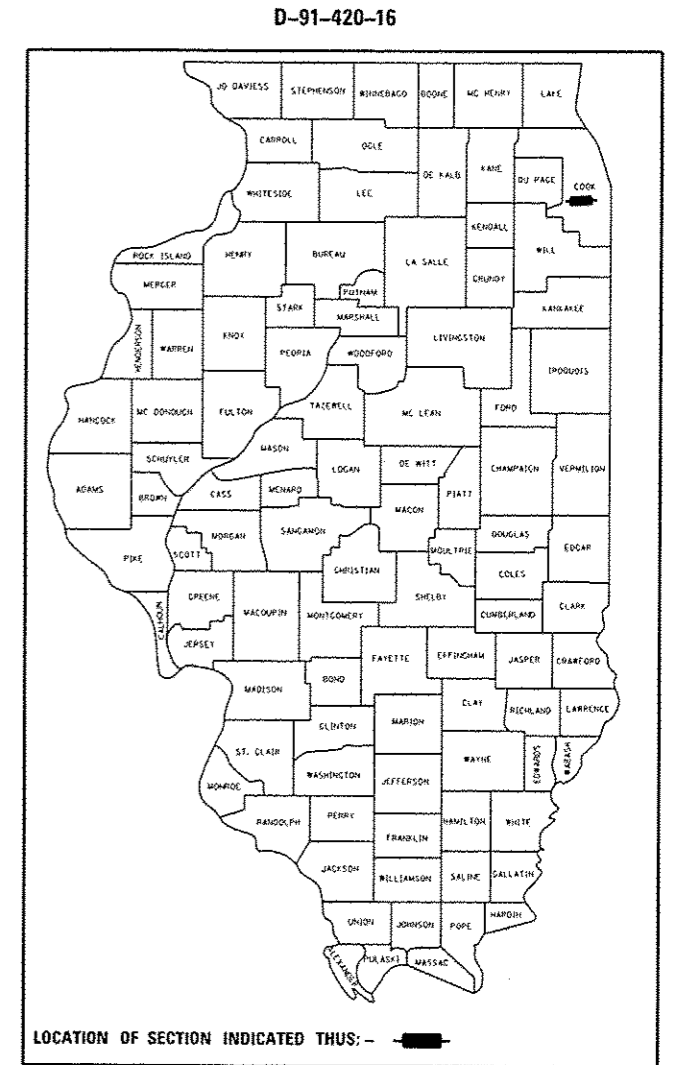
F.A.P. ROUTE 345 (IL 19) IRVING PARK RD.
WEST OF SEYMOUR AVE. TO DES PLAINES RIVER

SECTION: 2016-045RS

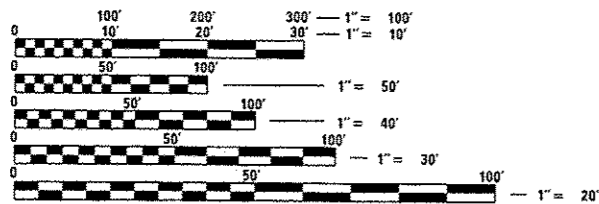
PROJECT: NHPP-0345(064)

RESURFACING (3P), PEDESTRIAN RAMPS (ADA), DRAINAGE
COOK COUNTY
C-91-420-16

THE IMPROVEMENT IS LOCATED IN
THE VILLAGE OF SCHILLER PARK



TRAFFIC DATA:
2014 & 2015 ADT = 33100
SPEED LIMIT = 30 to 55 MPH



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.

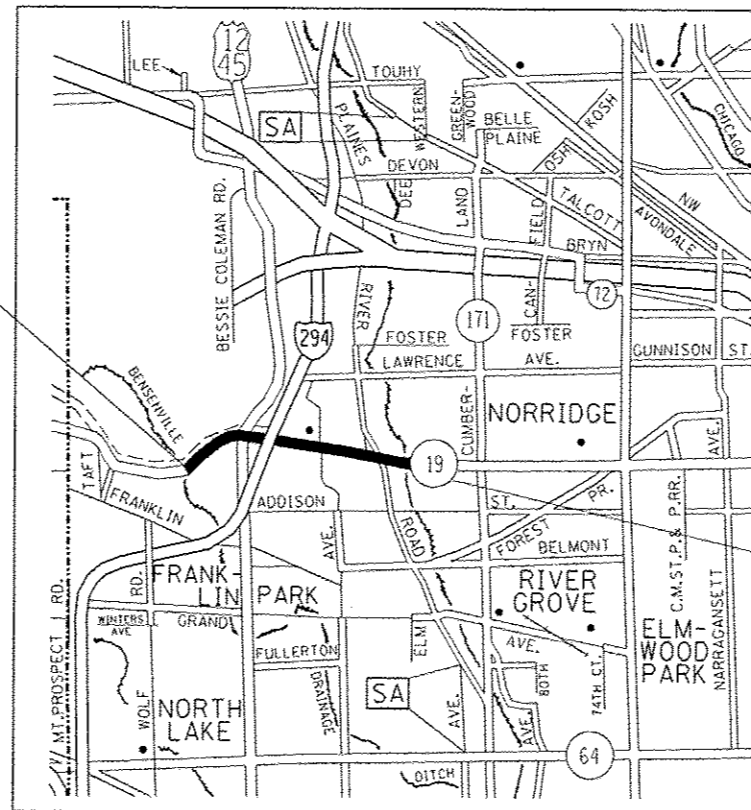
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

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

CONTRACT NO. 62D03

R 12 E

T 40 N



IMPROVEMENT BEGINS
STA 16+00

RESURFACING OMISSION
STA. 113+63 TO STA. 115+00

IMPROVEMENT ENDS
STA 143+00

LEYDEN TOWNSHIP

GROSS LENGTH = 12,700 FT. = 2.41 MILE
NET LENGTH = 12,563 FT. = 2.38 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 22 2017

[Signature] REGIONAL ENGINEER

May 12 2017

Maureen M. Addis, PE/SA
ENGINEER OF DESIGN AND ENVIRONMENT

May 12 2017

[Signature] 2
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION	STATE STANDARDS	GENERAL NOTES:
1	TITLE SHEET	000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS	<p>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)</p> <p>THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF HARWOOD HEIGHTS.</p> <p>THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.</p> <p>ALL HOT-MIX ASPHALT PAVEMENT PATCHING SHALL BE CLASS D, LOCATIONS TO BE DETERMINED IN FIELD BY RESIDENT ENGINEER.</p> <p>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.</p> <p>WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 M/M) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/HR). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAYBE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).</p> <p>10 FEET (3 METER) TRANSITIONAL SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNITY PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.</p> <p>THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.</p> <p>THE RESIDENT ENGINEER SHALL CONTACT CORY JUCIUS, TRAFFIC ARTERIAL OPERATIONS UNIT CHIEF VIAL EMAIL AT CORY.JUCIUS@ILLINOIS.GOV OR PHONE (847)-705-4411 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.</p> <p>RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.</p> <p>WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.</p> <p>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.</p> <p>ALL SIDEWALK RAMPS WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO CURRENT ADA REQUIRMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY ENGINEER.</p> <p>SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.</p> <p>NIGHTTIME FLAGGERS OR WORKERS SHALL BE EQUIPPED WITH A FLUORESCENT ORANGE OR FLUORESCENT YELLOW/GREEN VEST MEETING THE REQUIREMENTS OF ANSI/ISEA 107-2004 FOR CONSPICUITY CLASS 3 GARMENTS.</p> <p>PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.</p> <p>THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.</p>
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	424001-09 PERPENDICULAR CURB RAMPS FOR SIDEWALKS	
3-5	SUMMARY OF QUANTITIES	424006-02 DIAGONAL CURB RAMPS FOR SIDEWALKS	
6-11	TYPICAL SECTIONS	424011-03 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS	
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17	PROPOSED DRAINAGE PLAN	424021-03 DEPRESSED CORNER FOR SIDEWALKS	
18	BLANK SHEET	442201-03 CLASS C AND D PATCHES	
19-24	DETECTOR LOOP REPLACEMENT PLANS	604001-04 FRAMES AND LIDS TYPE 1	
25	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB > 15' (BD-01)	604091-03 FRAME AND GRATE TYPE 24	
26	DETAILS FOR FRAMES AND LIDS WITH MILLING (BD-08)	701101-05 OFF ROAD OPERATIONS MULTILANE, 15' TO 24" FROM PAVEMENT EDGE	
27	PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT (BD-22)	701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS	
28	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	701421-08 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥45MPH TO 55MPH	
29	BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS (BD-32)	701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS ≥45MPH	
30	HMA TAPER AT EDGE OF PCC PAVEMENT (BD-33)	701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥40MPH	
31	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)	701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN	
32	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)	701602-08 URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE	
33	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701606-10 LANE SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN	
34	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)	701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION	
35	ARTERIAL ROAD INFORMATION SIGNING (TC-22)	701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE	
36	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)	701901-06 TRAFFIC CONTROL DEVICES	
		780001-05 TYPICAL PAVEMENT MARKING	
		814001-03 HANDHOLES	

FILE NAME :	USER NAME = valledolidv	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">IL 19 (WO SEYMOUR AVE TO DES PLAINES RIVER) INDEX OF SHEETS STATE STANDARDS AND GENERAL NOTES</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISED -			345	2016-045R5	COOK	36	2	
		DATE -	REVISED -			CONTRACT NO. 62003					
Default	PLOT SCALE = 100,0000' / in.	PLOT DATE = 3/30/2017				SCALE:	SHEET	OF	SHEETS	STA.	TO

ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED	80% FED		
				20% STATE ROADWAY	20% STATE DRAINAGE		
20200100	EARTH EXCAVATION	CU YD	44	44			
20800150	TRENCH BACKFILL	CU YD	128		128		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	440	440			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9			
25200110	SODDING, SALT TOLERANT	SO YD	440	440			
25200200	SUPPLEMENTAL WATERING	UNIT	11	11			
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	16	16			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	71772	71772			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	160	160			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	4387	4387			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	715	715			
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2	2			

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED	80% FED		
				20% STATE ROADWAY	20% STATE DRAINAGE		
40603340	HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1618	1618			
42001300	PROTECTIVE COAT	SO YD	1167	1167			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	43	43			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	6363	6363			
42400800	DETECTABLE WARNINGS	SQ FT	420	420			
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	106329	106329			
44000600	SIDEWALK REMOVAL	SO FT	6125	6125			
44003100	MEDIAN REMOVAL	SO FT	1350	1350			
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	6350	6350			
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SO YD	948	948			
44201733	CLASS D PATCHES, TYPE III, 7 INCH	SO YD	177	177			
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SO YD	453	453			
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	60	60			
	*SPECIALTY ITEMS						

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005 ROADWAY	80% FED 20% STATE 0044 DRAINAGE			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	89		89			
60200105	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		1			
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1		1			
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1		1			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	7	7				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	3	3				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	48	48				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	8	8				
60404950	FRAMES AND GRATES, TYPE 24	EACH	13	13				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	17	17				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	59	59				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	198		198			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	172	44	128			
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005 ROADWAY	80% FED 20% STATE 0044 DRAINAGE			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	LSUM	1	1				
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1	1				
70102631	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	EACH	1	1				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4568	4568				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1523	1523				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1540	1540				
	* SPECIALTY ITEMS							

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REV

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005 ROADWAY	80% FED 20% STATE 0044 DRAINAGE		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	26952	26952			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6654	6654			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1747	1747			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2196	2196			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1004	1004			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2284	2284			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	50 FT	1540	1540			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	26952	26952			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6654	6654			
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1747	1747			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2196	2196			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1004	1004			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1212	1212			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1212	1212			
* SPECIALTY ITEMS							

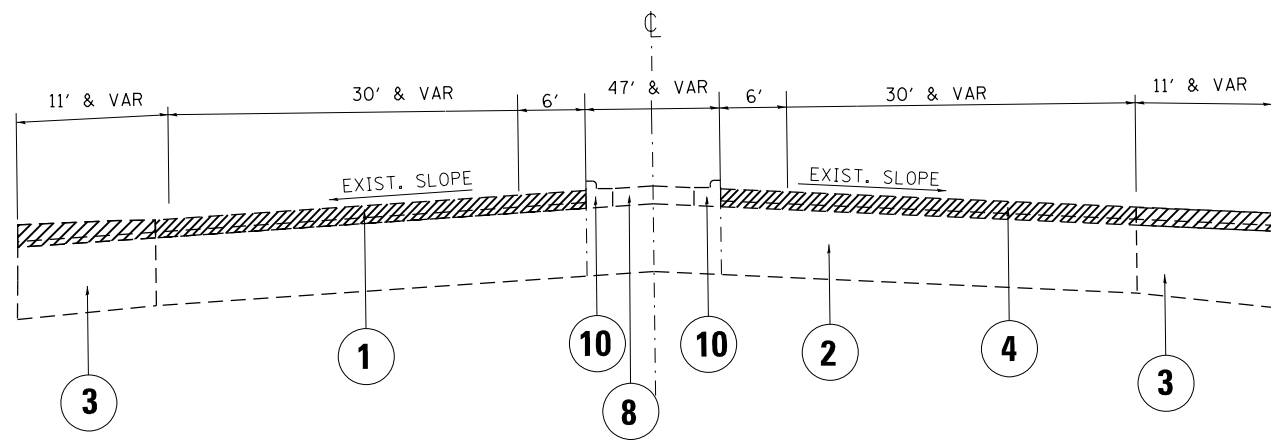
SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005 ROADWAY	80% FED 20% STATE 0044 DRAINAGE		
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6	6			
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2945	2945			
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1			
X0322464	ABANDON AND FILL EXISTING SANITARY MANHOLE	EACH	1		1		
X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	TON	8803	8803			
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	50 YD	241	241			
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	450	450			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	86	86			
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	50 FT	18442	18442			
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2186	2186			
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	27	27			
Z0030850	TEMPORARY INFORMATION SIGNING	50 FT	52	52			
X0327611	REMOVE AND REINSTALL BRICK PAVEMENT	50 FT	675	675			

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. 19 (W/O SEYMOUR AVE. TO DES PLAINES RIVER) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFFICIALS:	CHECKED :	REVISED :	345			2016-045RS	COOK	36	5	
PLOT SCALE :	DATE :	REVISED :	CONTRACT NO. 62D03							
PLOT DATE :	DATE :	REVISED :	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

NON-PARTICIPATING

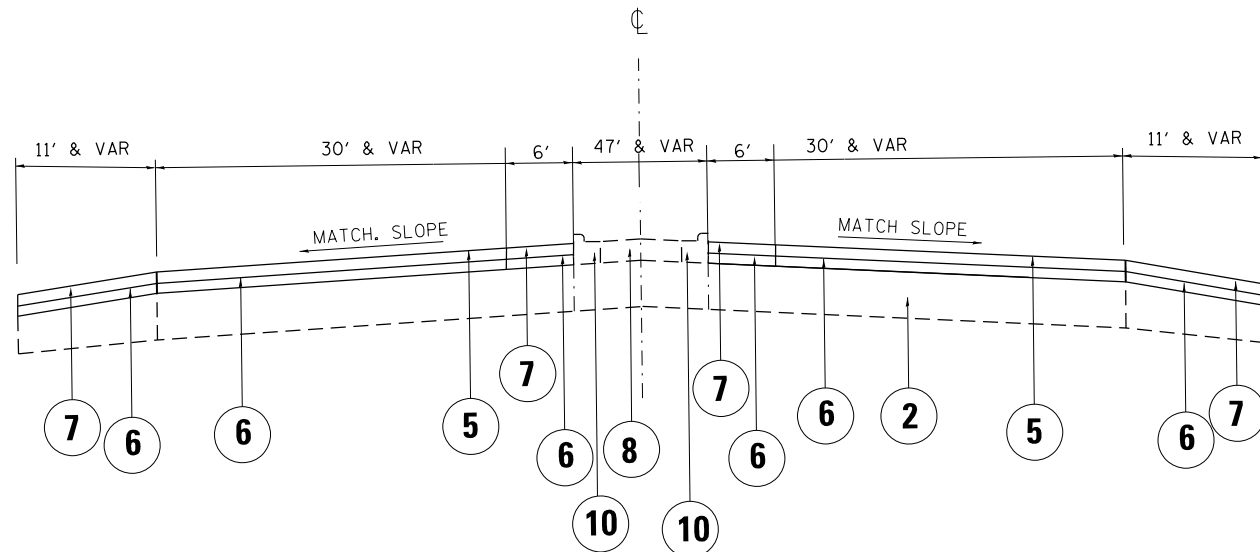
REV

IL. 19 (IRVING PARK RD)



EXIST. TYPICAL SECTION
STA. 16+00 TO STA. 60+00

IL. 19 (IRVING PARK RD)



PROP. TYPICAL SECTION
STA. 16+00 TO STA. 60+00

LEGEND

- ① EXISTING HMA SURFACE, VARIES 6" - 13" (±)
- ② EXISTING PCC BASE COURSE, VARIES 9" - 12" (±)
- ③ EXISTING HMA SHOULDER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 9.5, 1 3/4"
- ⑥ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, 3/4"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 9.5, 1 3/4"
- ⑧ EXISTING LANDSCAPE MEDIAN
- ⑨ EXISTING CONCRETE MEDIAN
- ⑩ EXISTING COMB. CURB AND GUTTER

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Nos	OMP
MAINLINE RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX, N80 9.5, 1 3/4"	3.5% @ 80 GYR.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QCP
SHOULDER RESURFACING		
HOT-MIX ASPHALT, SURFACE COURSE, MIX "D", N70, (IL-9.5 mm), 1 3/4"	4% @ 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QCP
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5 mm), 2"	4% @ 50 GYR.	QC/OA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); PE - 6"	4% @ 50 GYR.	QC/OA
PATCHING		
CLASS D PATCH (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/OA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); Quality Control for Performance (QCP)		

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN.

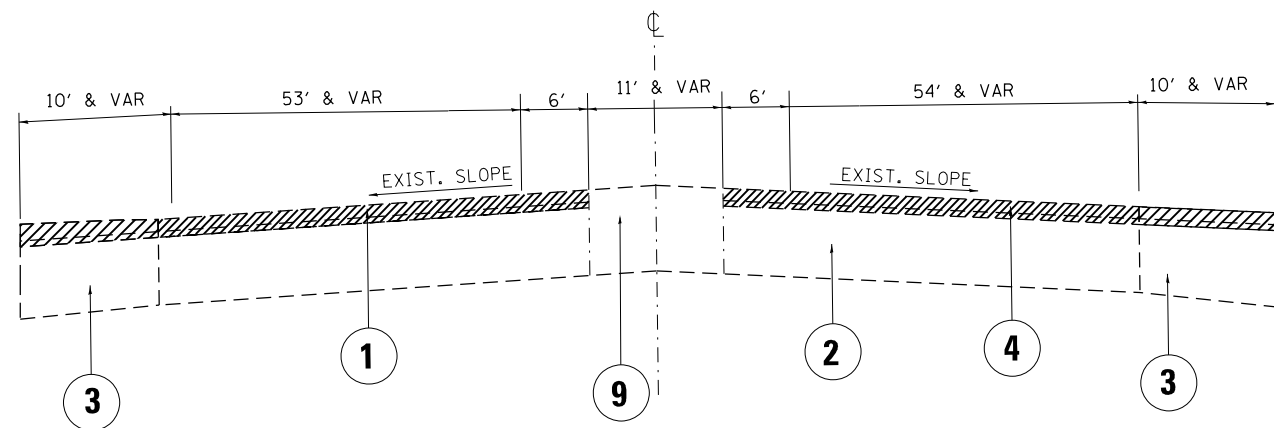
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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

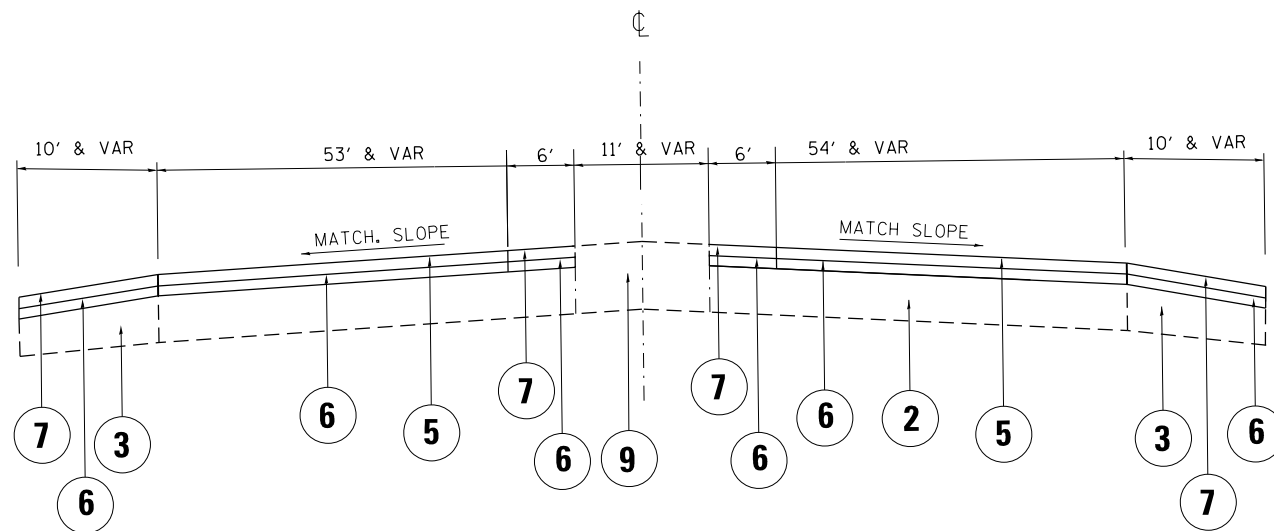
THE CONTRACTOR SHALL MILL THE ROADWAY FIRST, THEN DO PAVEMENT PATCHING PER BD-22 DETAIL.

IL. 19 (IRVING PARK RD)



EXIST. TYPICAL SECTION
STA. 60+00 TO STA. 68+00

IL. 19 (IRVING PARK RD)



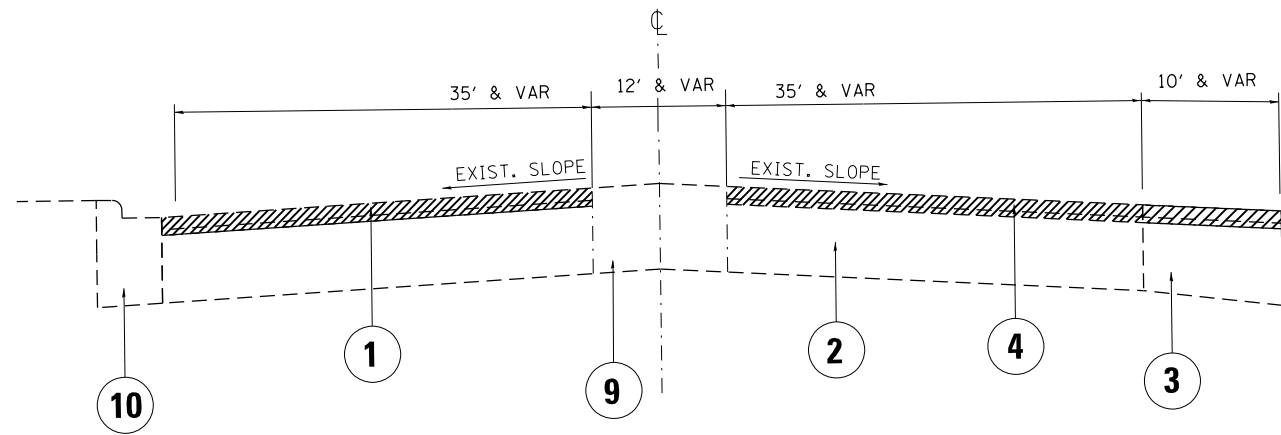
PROP. TYPICAL SECTION
STA. 60+00 TO STA. 68+00

LEGEND

- ① EXISTING HMA SURFACE, VARIES 5" - 9" (±)
- ② EXISTING PCC BASE COURSE, VARIES 8" - 13" (±)
- ③ EXISTING HMA SHOULDER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 9.5, 1¾"
- ⑥ PROPOSED POLYMERIZED LEVLEING BINDER (MACHINE METHOD) IL-4.75, N50 ¾"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 9.5, 1¾"
- ⑧ EXISTING LANDSCAPE MEDIAN
- ⑨ EXISTING CONCRETE MEDIAN
- ⑩ EXISTING COMB. CURB AND GUTTER

FILE NAME = p:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\142016\142016-sh-typical.dgn	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. 19 (W.O. SEYMOUR AVE. TO DES PLAINES RIVER) TYPICAL SECTIONS	F.A.P. RTE. = 345	SECTION = 2016-045RS	COUNTY = COOK	TOTAL SHEETS = 36	SHEET NO. = 7
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62D03 ILLINOIS FED. AID PROJECT	
Default	PLOT DATE = 3/30/2017	DATE -	REVISED -							

IL. 19 (IRVING PARK RD)

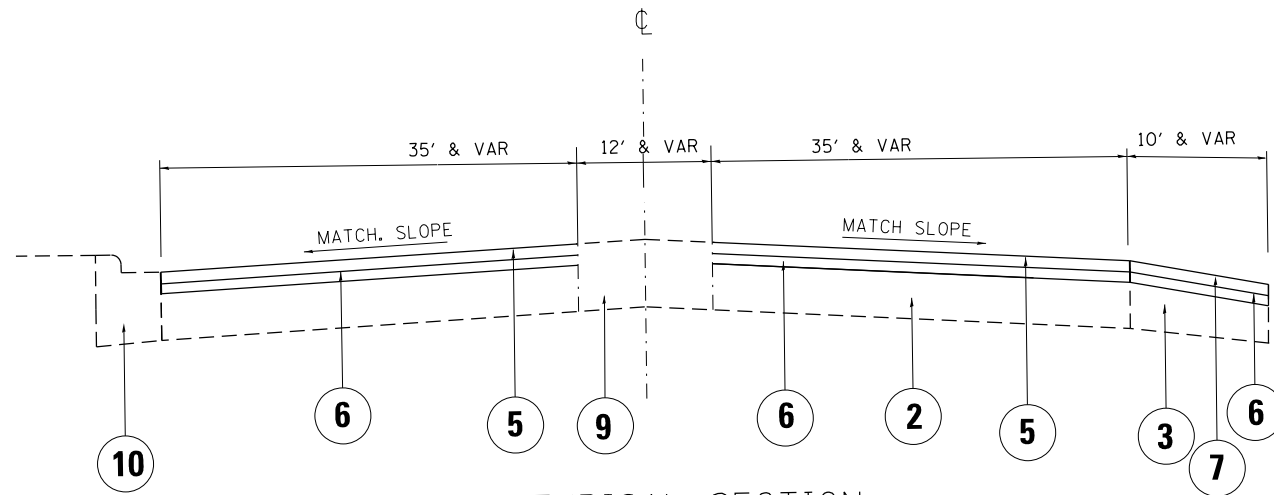


EXIST. TYPICAL SECTION
STA. 68+00 TO STA. 82+60

LEGEND

- ① EXISTING HMA SURFACE, VARIES 7" (±)
- ② EXISTING PCC BASE COURSE, VARIES 11" (±)
- ③ EXISTING HMA SHOULDER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 9.5, 1 3/4"
- ⑥ PROPOSED POLYMERIZED LEVLEING BINDER (MACHINE METHOD) IL-4.75, N50 3/4"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 9.5, 1 3/4"
- ⑧ EXISTING LANDSCAPE MEDIAN
- ⑨ EXISTING CONCRETE MEDIAN
- ⑩ EXISTING COMB. CURB AND GUTTER

IL. 19 (IRVING PARK RD)



PROP. TYPICAL SECTION
STA. 68+00 TO STA. 82+60

NOTE:

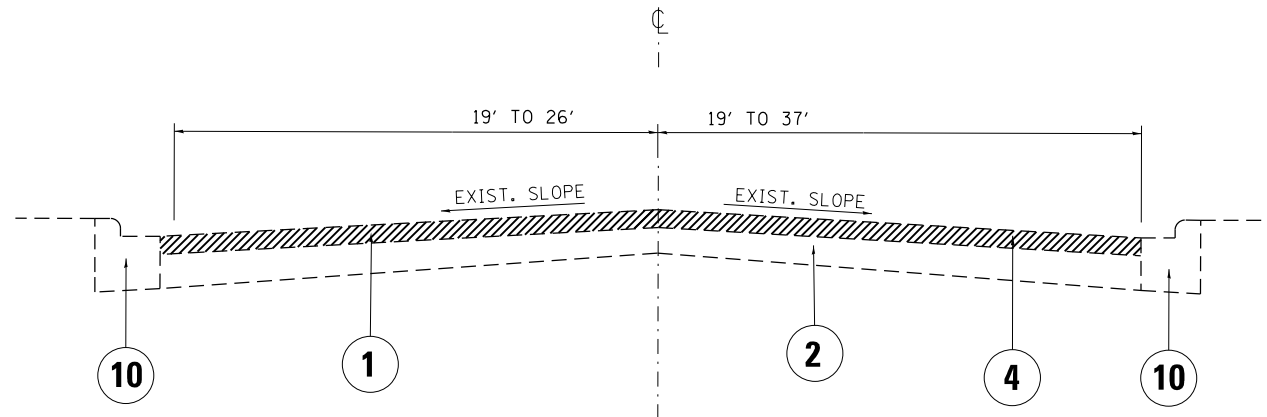
1. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
2. WHERE GUARDRAILS ARE PRESENT ON HMA SHOULDER THE MILLING AND RESURFACING LIMIT SHALL BE A MINIMUM OF ONE FOOT AWAY FROM THE GUARDRAIL FACE, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. 19 (W.O. SEYMOUR AVE. TO DES PLAINES RIVER) TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI42016\Drawings\Design\DI42016-sh-typical.dgn		REVISION	REVISED -			345	2016-045RS	COOK	36	8
Default	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62D03			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/30/2017	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.

LEGEND

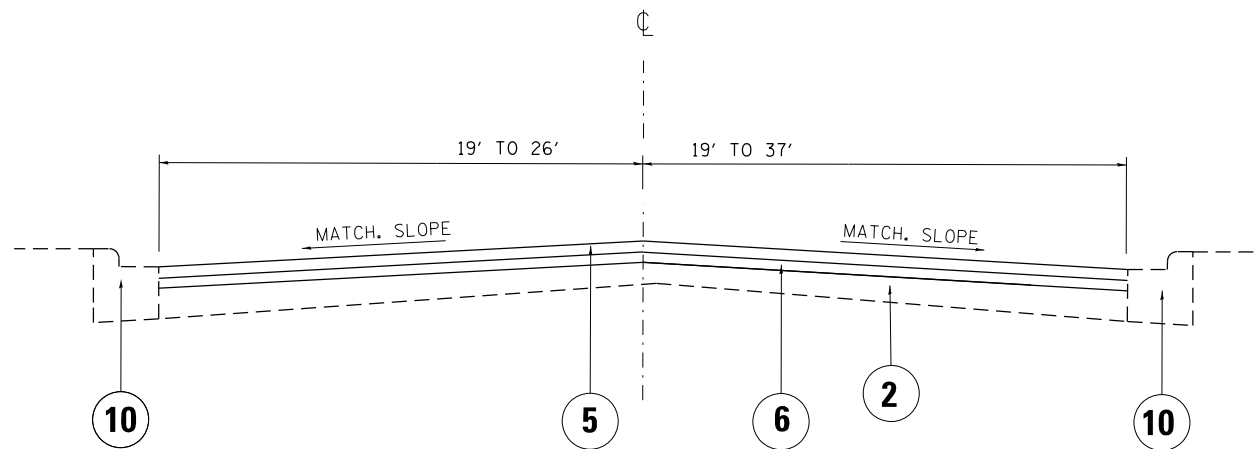
- ① EXISTING HMA PAVEMENT, VARIES 5" (±)
- ② EXISTING PCC PAVEMENT, 7" - 11" (±)
- ③ EXISTING HMA SHOULDER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 9.5, 1 3/4"
- ⑥ PROPOSED POLYMERIZED LEVLEING BINDER (MACHINE METHOD) IL-4.75, N50 3/4"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 9.5, 1 3/4"
- ⑧ EXISTING LANDSCAPE MEDIAN
- ⑨ EXISTING CONCRETE MEDIAN
- ⑩ EXISTING COMB. CURB AND GUTTER

IL. 19 (IRVING PARK RD)



EXIST. TYPICAL SECTION
STA. 82+60 TO STA. 134+20

IL. 19 (IRVING PARK RD)



PROP. TYPICAL SECTION
STA. 82+60 TO STA. 134+20

FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\D142016\Drawings\Design\142016-sh-typical.dgn		REVISOR -	REVISOR -
Default	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISOR -
	PLOT DATE = 3/30/2017	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. 19 (W.O. SEYMOUR AVE. TO DES PLAINES RIVER)
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

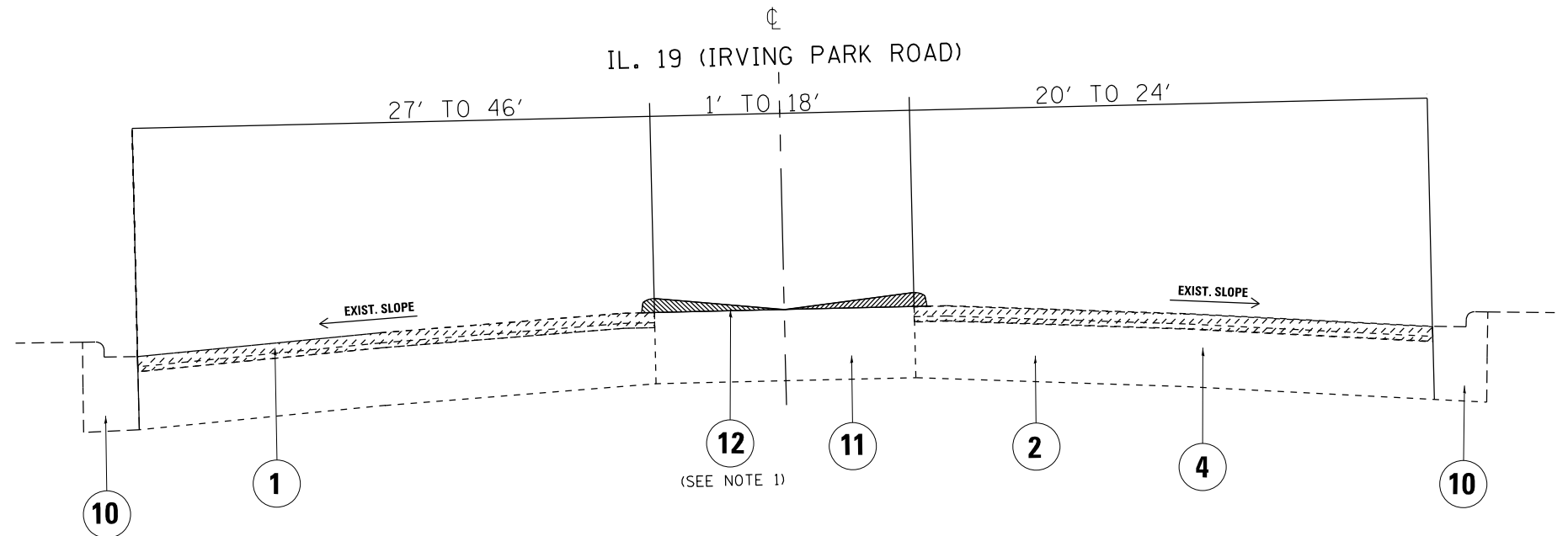
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2016-045RS	COOK	36	9
				CONTRACT NO. 62D03
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING HMA PAVEMENT, VARIES 6" (±)
- ② EXISTING PCC PAVEMENT, 10" (±)
- ③ EXISTING HMA SHOULDER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 9.5, 1¾"
- ⑥ PROPOSED POLYMERIZED LEVLEING BINDER (MACHINE METHOD) IL-4.75, N50, ¾"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 9.5, 1¾"
- ⑧ EXISTING LANDSCAPE MEDIAN
- ⑨ EXISTING CONCRETE MEDIAN
- ⑩ EXISTING COMB. CURB AND GUTTER
- ⑪ EXISTING CONCRETE CORRUGATED MEDIAN
- ⑫ MEDIAN REMOVAL, PARTIAL DEPTH

NOTE:

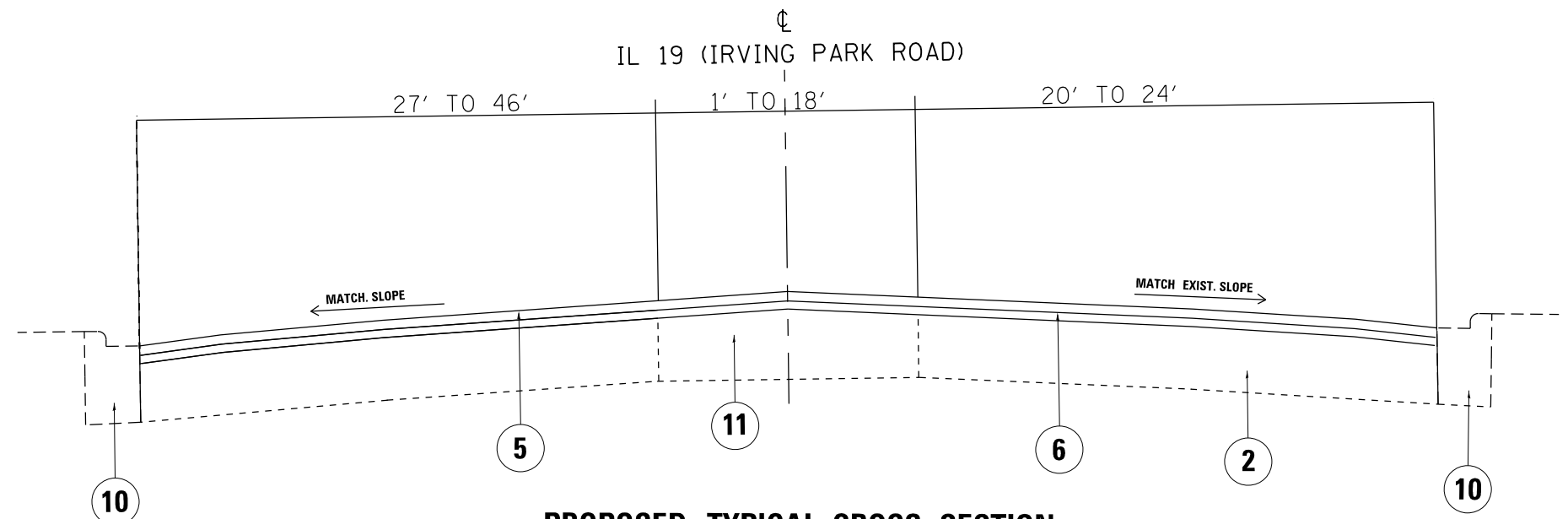
1. CORRUGATED MEDIAN EXISTS BETWEEN STA. 134+20 TO STA. 141+20; MEDIAN SHALL BE REMOVED UNTIL FLUSH WITH ADJACENT EXISTING PAVEMENT PRIOR TO RESURFACING.



EXISTING TYPICAL CROSS SECTION

IL. 19 (IRVING PARK ROAD)

STA. 134+20 TO STA. 140+20



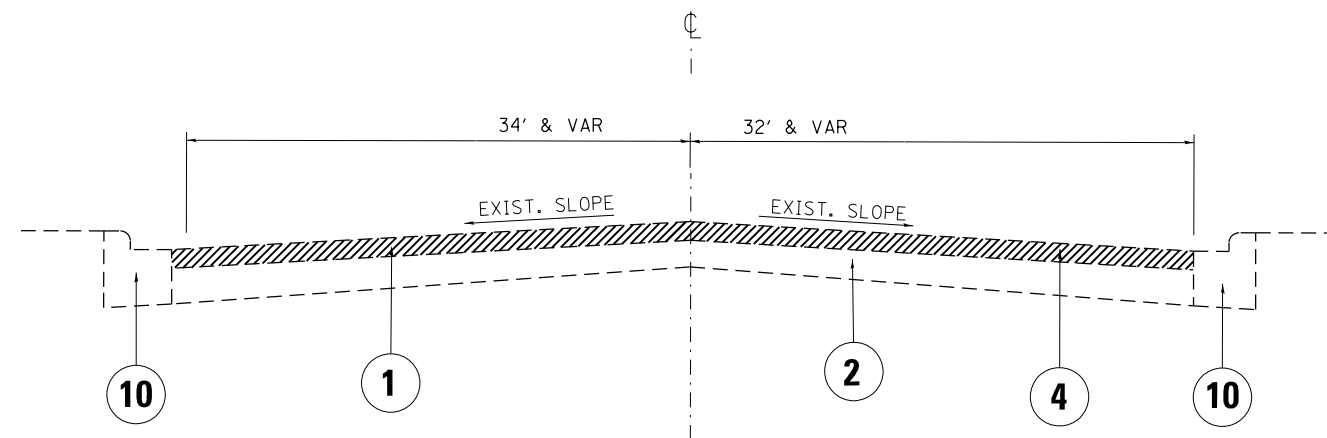
PROPOSED TYPICAL CROSS SECTION

IL. 19 (IRVING PARK ROAD)

STA. 134+20 TO STA. 140+20

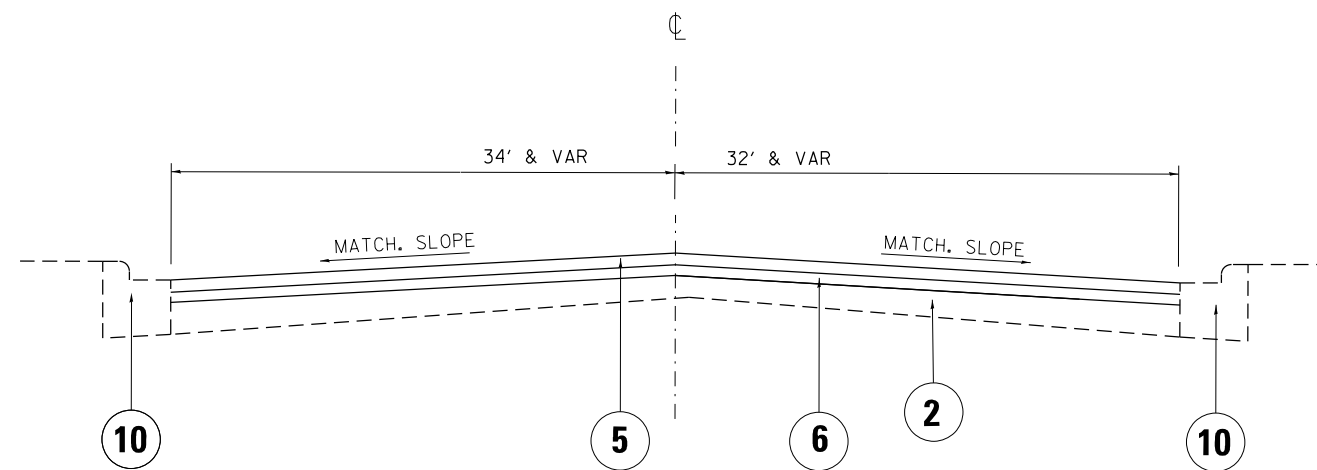
FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. 19 (W.O. SEYMOUR AVE. TO DES PLAINES RIVER) TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\142016\142016-shr-typical.dgn	DESIGNED -	REVISED -	REVISED -			345	2016-045RS	COOK	36	10	
Default	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62D03					
	PLOT DATE = 3/30/2017	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

IL. 19 (IRVING PARK RD)



EXIST. TYPICAL SECTION
STA. 140+20 TO STA. 143+00

IL. 19 (IRVING PARK RD)



PROP. TYPICAL SECTION
STA. 140+20 TO STA. 143+00

LEGEND

- ① EXISTING HMA PAVEMENT, VARIES 6" (±)
- ② EXISTING PCC PAVEMENT, 10" (±)
- ③ EXISTING HMA SHOULDER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 9.5, 1 3/4"
- ⑥ PROPOSED POLYMERIZED LEVLEING BINDER (MACHINE METHOD) IL-4.75, N50 3/4"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 9.5, 1 3/4"
- ⑧ EXISTING LANDSCAPE MEDIAN
- ⑨ EXISTING CONCRETE MEDIAN
- ⑩ EXISTING COMB. CURB AND GUTTER

FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. 19 (W.O. SEYMOUR AVE. TO DES PLAINES RIVER) TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\142016\142016-sh-typical.dgn	DRW	REVISOR -	REVISED -			345	2016-045RS	COOK	36	11
Default	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62D03				
	PLOT DATE = 3/30/2017	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.

EXIST. CURVE E.191
 PI STA. = 11+50.77
 $\Delta = 10^\circ 48' 50''$ (LT)
 $D = 3^\circ 35' 49''$
 $R = 1,592.89'$
 $T = 150.77'$
 $L = 300.64'$
 $e = 7.12'$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 10+00.00$
 $P.T. STA. = 13+00.64$

EXIST. CURVE E.192
 PI STA. = 18+94.23
 $\Delta = 44^\circ 42' 21''$ (LT)
 $D = 3^\circ 58' 09''$
 $R = 1,443.54'$
 $T = 593.60'$
 $L = 1,126.34'$
 $e = 117.28'$
 $T.R. =$
 $S.E. RUN = 13+00.64$
 $P.C. STA. = 24+26.98$
 $P.T. STA. = 24+26.98$

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

(SHOULDER)
 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

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

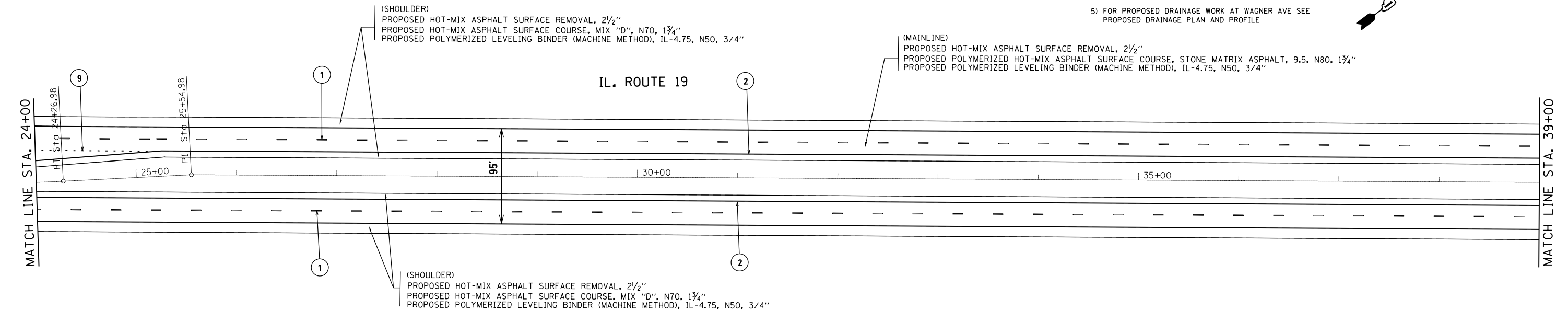
(SHOULDER)
 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

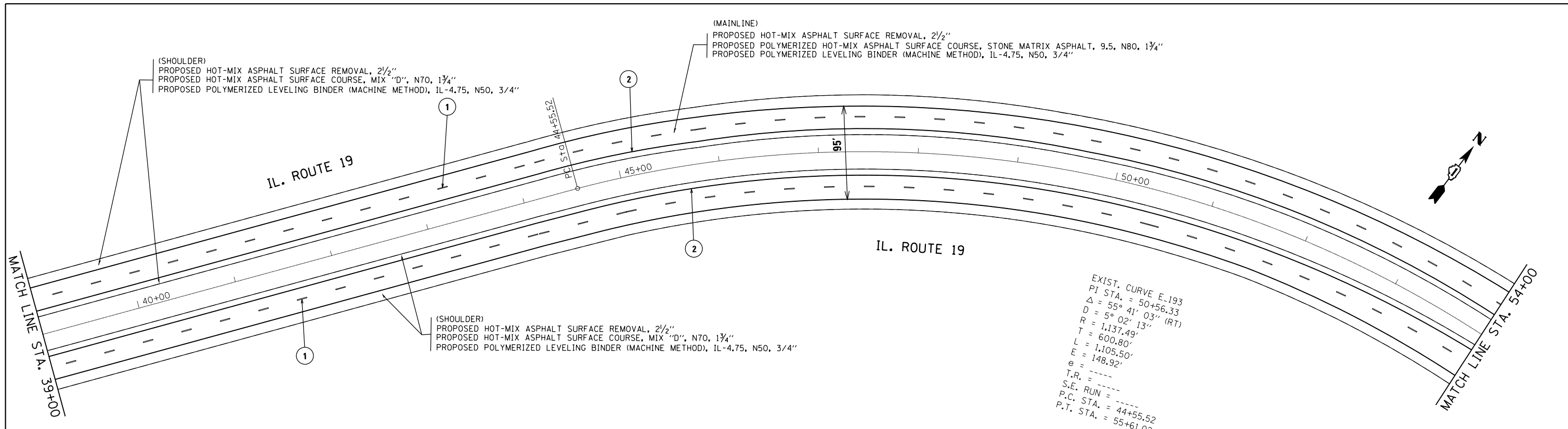
(SHOULDER)
 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

- NOTES:
- 1) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL STANDARDS TC-13.
 - 2) THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.
 - 3) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD TC-11.
 - 4) SEE PEDESTRIAN RAMP (ADA) SHEETS FOR SIDEWALK DETAILS.
 - 5) FOR PROPOSED DRAINAGE WORK AT WAGNER AVE SEE PROPOSED DRAINAGE PLAN AND PROFILE

PROPOSED PAVEMENT MARKINGS LEGEND

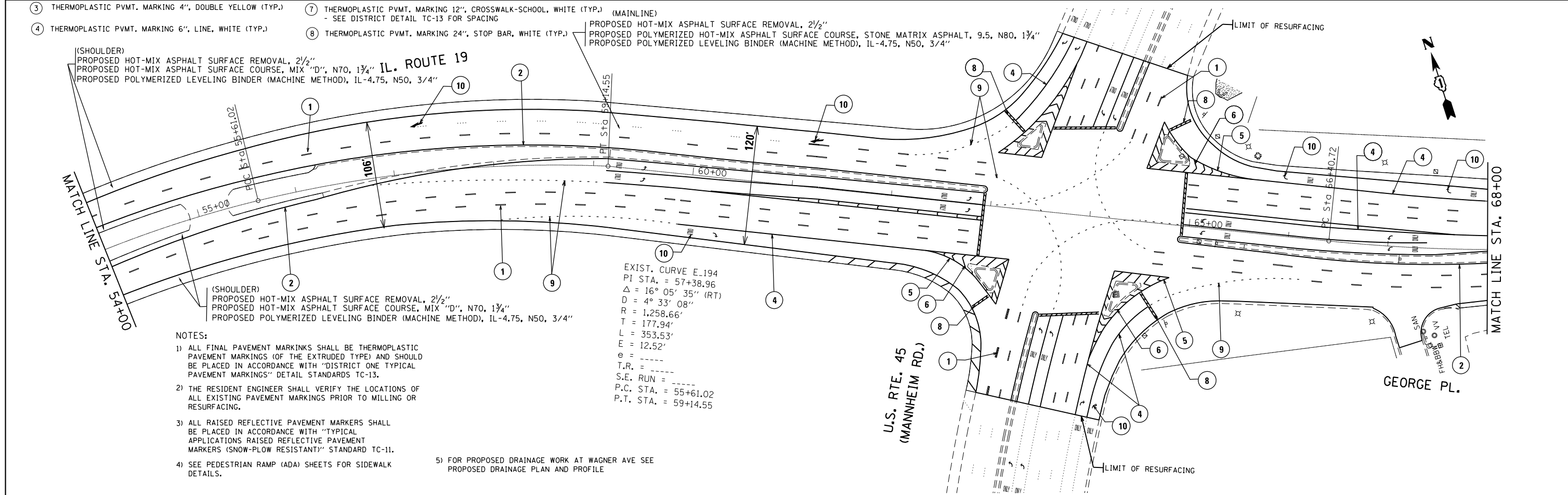
- | | | |
|--|--|--|
| ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.) | ⑤ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.) | ⑨ THERMOPLASTIC PVMT. MARKING 6", WHITE - DOTTED LINE (TYP.) |
| ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.) | ⑥ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | ⑩ THERMOPLASTIC PVMT. MARKING LETTERS AND SYMBOLS |
| ③ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.) | ⑦ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | |
| ④ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.) | ⑧ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.) | |



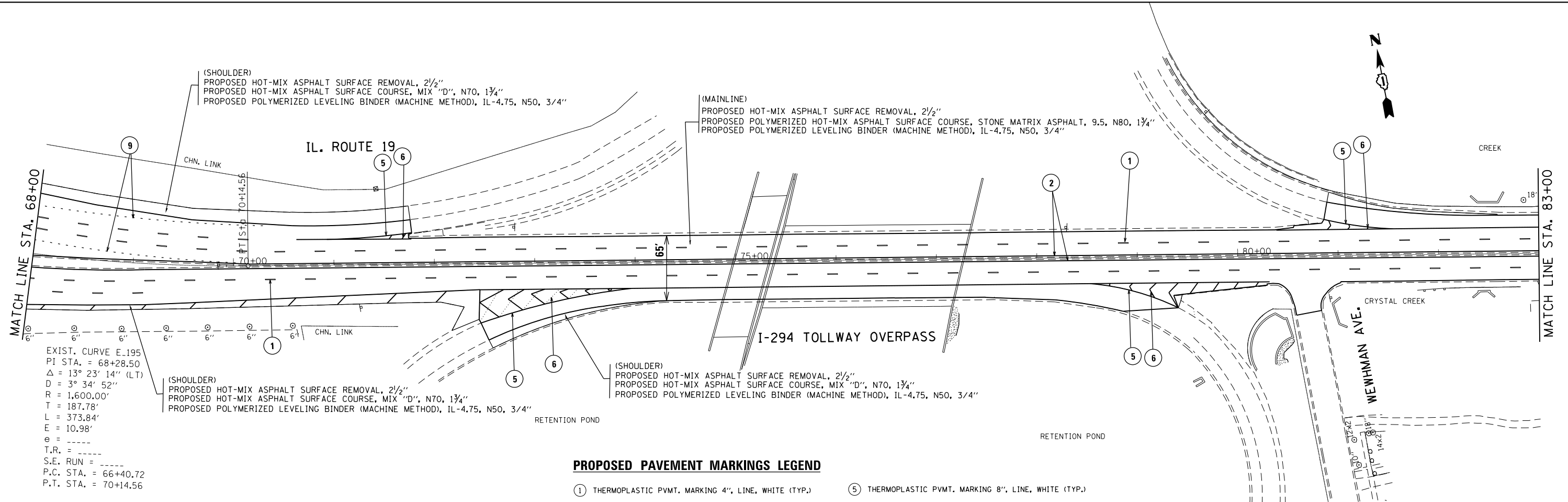


PROPOSED PAVEMENT MARKINGS LEGEND

- ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑦ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑧ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑨ THERMOPLASTIC PVMT. MARKING 6", WHITE - DOTTED LINE (TYP.)
- ⑩ THERMOPLASTIC PVMT. MARKING LETTERS AND SYMBOLS

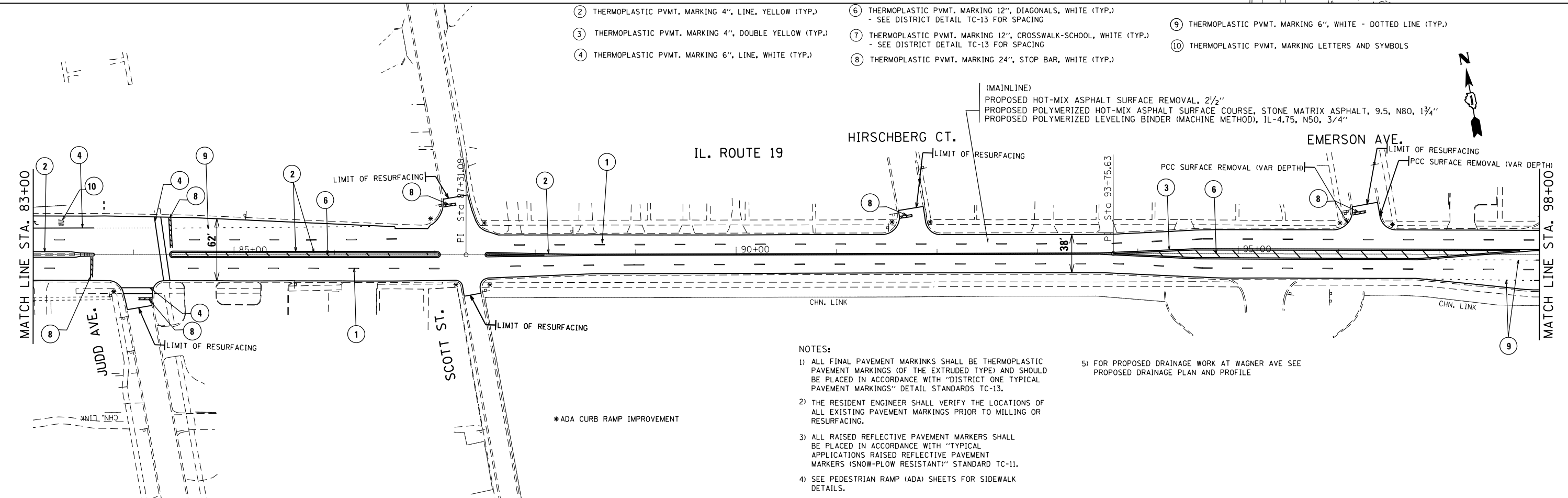


FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PAVEMENT MARKINGS IL. 19 (W/O SEYMOUR AVE. TO DES PLAINES RIVER)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\0142016\Design\0142016-shr-plan.dgn	PLLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			345	2016-045R5	COOK	36	13	
Default	PLLOT DATE = 3/30/2017	DATE -	REVISED -			CONTRACT NO. 62D03					
						ILLINOIS FED. AID PROJECT					



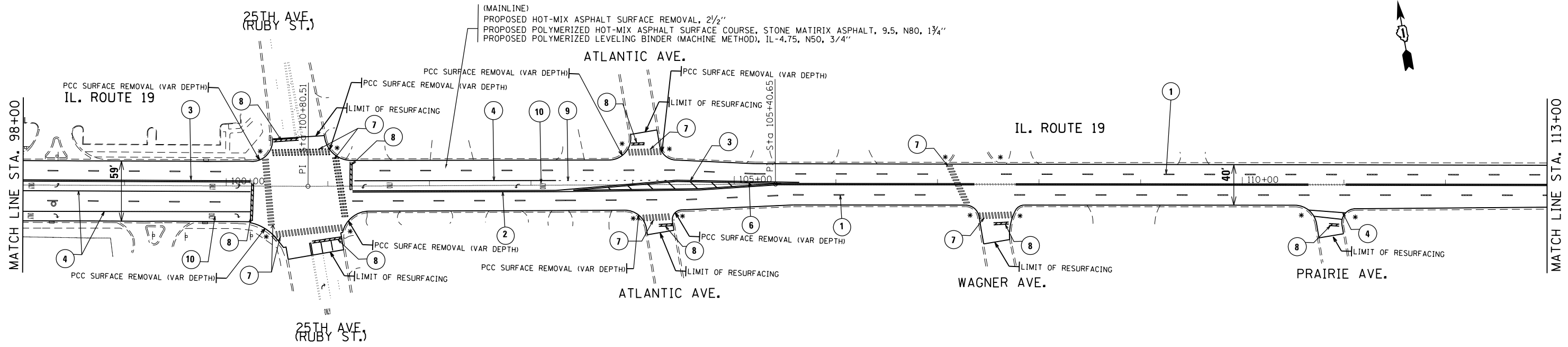
PROPOSED PAVEMENT MARKINGS LEGEND

- ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑦ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑧ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑨ THERMOPLASTIC PVMT. MARKING 6", WHITE - DOTTED LINE (TYP.)
- ⑩ THERMOPLASTIC PVMT. MARKING LETTERS AND SYMBOLS



- NOTES:**
- 1) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL STANDARDS TC-13.
 - 2) THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.
 - 3) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLow RESISTANT)" STANDARD TC-11.
 - 4) SEE PEDESTRIAN RAMP (ADA) SHEETS FOR SIDEWALK DETAILS.
 - 5) FOR PROPOSED DRAINAGE WORK AT WAGNER AVE SEE PROPOSED DRAINAGE PLAN AND PROFILE

FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PAVEMENT MARKINGS IL. 19 (W/O SEYMOUR AVE. TO DES PLAINES RIVER)	F.A.P. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
Default	p:\IL\084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\D142016\Design\0142016-shr-plan.dgn	CHECKED -	REVISED -			345	2016-045RS	COOK	36	14
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 62D03			ILLINOIS FED. AID PROJECT	



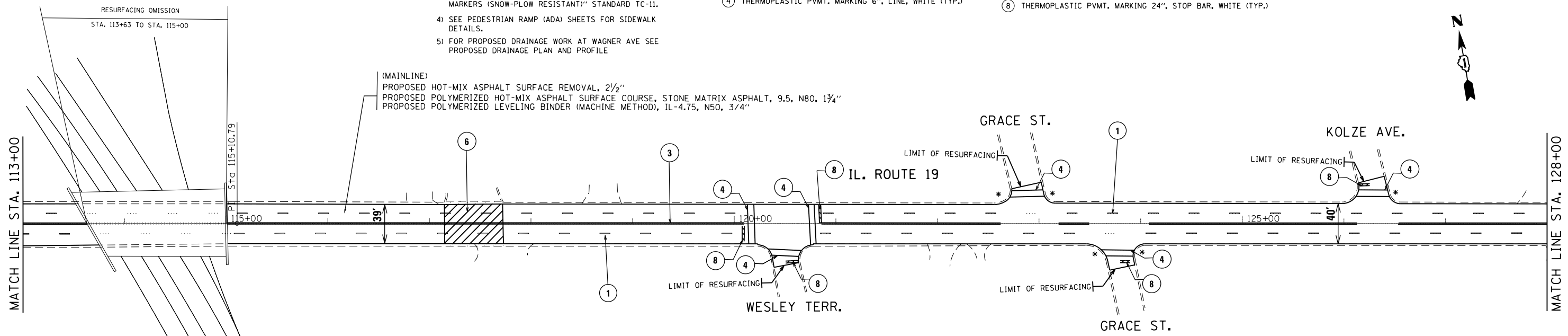
NOTES:

- 1) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL STANDARDS TC-13.
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- 4) SEE PEDESTRIAN RAMP (ADA) SHEETS FOR SIDEWALK DETAILS.
- 5) FOR PROPOSED DRAINAGE WORK AT WAGNER AVE SEE PROPOSED DRAINAGE PLAN AND PROFILE

PROPOSED PAVEMENT MARKINGS LEGEND

- | | | |
|--|--|--|
| ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.) | ⑤ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.) | ⑨ THERMOPLASTIC PVMT. MARKING 6", WHITE - DOTTED LINE (TYP.) |
| ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.) | ⑥ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | ⑩ THERMOPLASTIC PVMT. MARKING LETTERS AND SYMBOLS |
| ③ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.) | ⑦ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING | |
| ④ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.) | ⑧ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.) | |

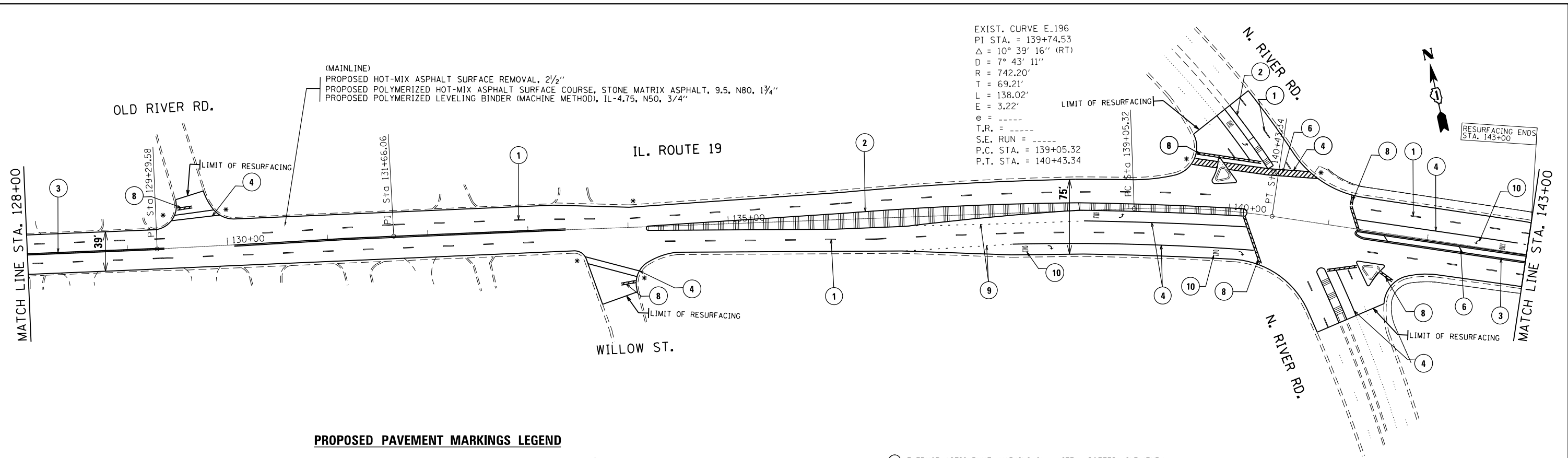
*ADA CURB RAMP IMPROVEMENT



FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PAVEMENT MARKINGS IL. 19 (W/O SEYMOUR AVE. TO DES PLAINES RIVER)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI42016\Design\DI42016-shr-plan.dgn		CHECKED -	REVISED -			345	2016-045RS	COOK	36	15
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 62D03				
Default						ILLINOIS FED. AID PROJECT				

EXIST. CURVE E_196
 PI STA. = 139+74.53
 $\Delta = 10^\circ 39' 16''$ (RT)
 $D = 7^\circ 43' 11''$
 $R = 742.20'$
 $T = 69.21'$
 $L = 138.02'$
 $E = 3.22'$
 $e =$ -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 139+05.32
 P.T. STA. = 140+43.34

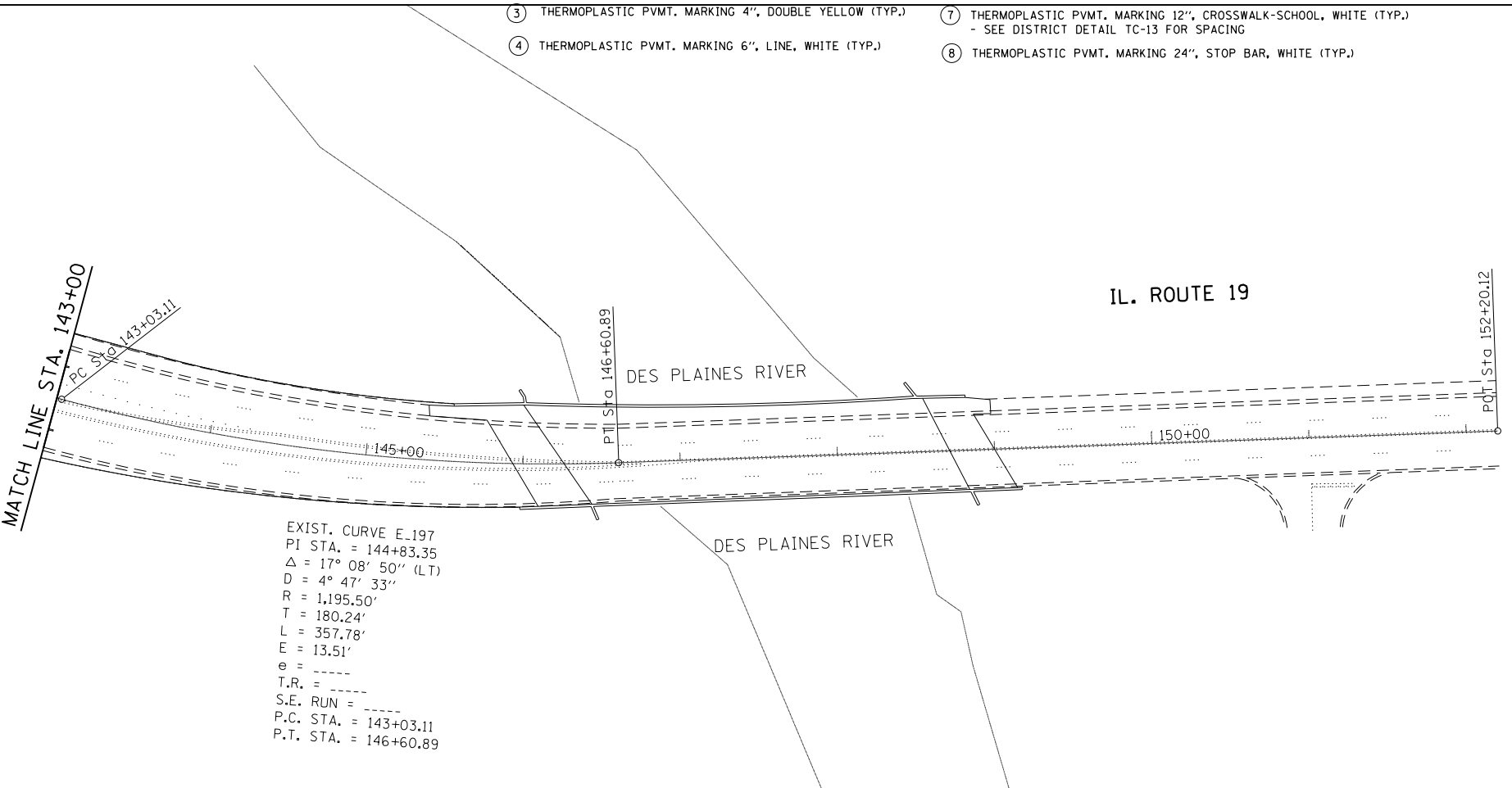
(MAINLINE)
 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80, 1 3/4"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"



PROPOSED PAVEMENT MARKINGS LEGEND

- ① THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑦ THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.)
- SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑧ THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑨ THERMOPLASTIC PVMT. MARKING 6", WHITE - DOTTED LINE (TYP.)
- ⑩ THERMOPLASTIC PVMT. MARKING LETTERS AND SYMBOLS

* ADA CURB RAMP IMPROVEMENT



EXIST. CURVE E_197
 PI STA. = 144+83.35
 $\Delta = 17^\circ 08' 50''$ (L)
 $D = 4^\circ 47' 33''$
 $R = 1,195.50'$
 $T = 180.24'$
 $L = 357.78'$
 $E = 13.51'$
 $e =$ -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 143+03.11
 P.T. STA. = 146+60.89

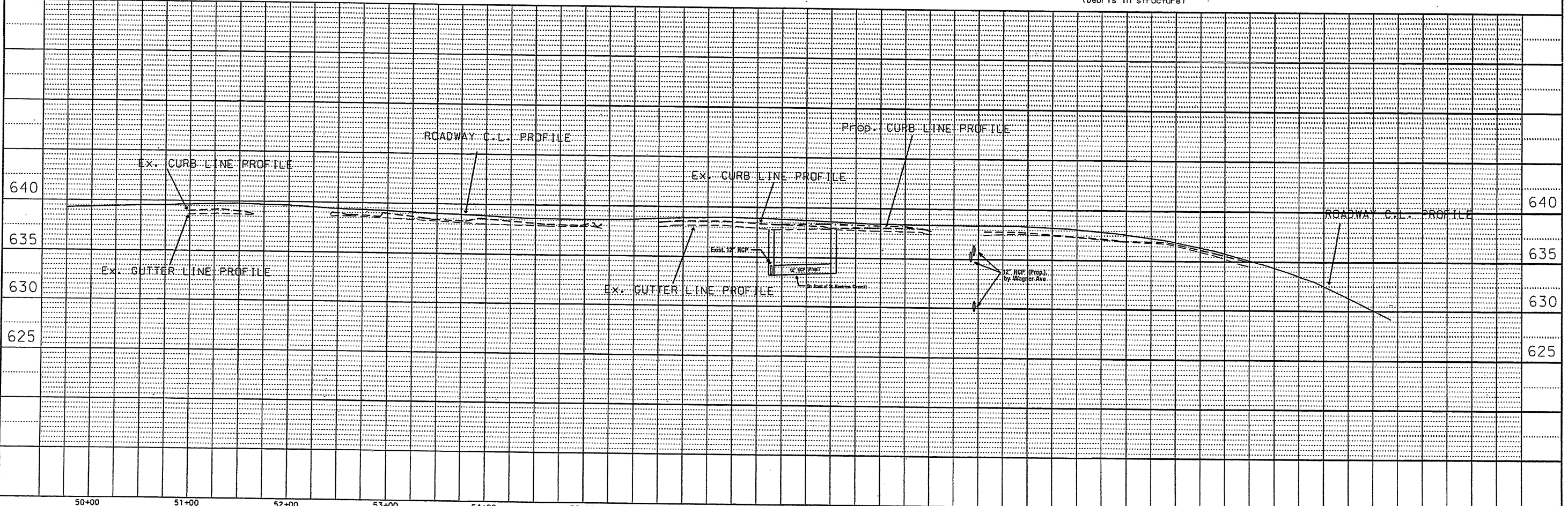
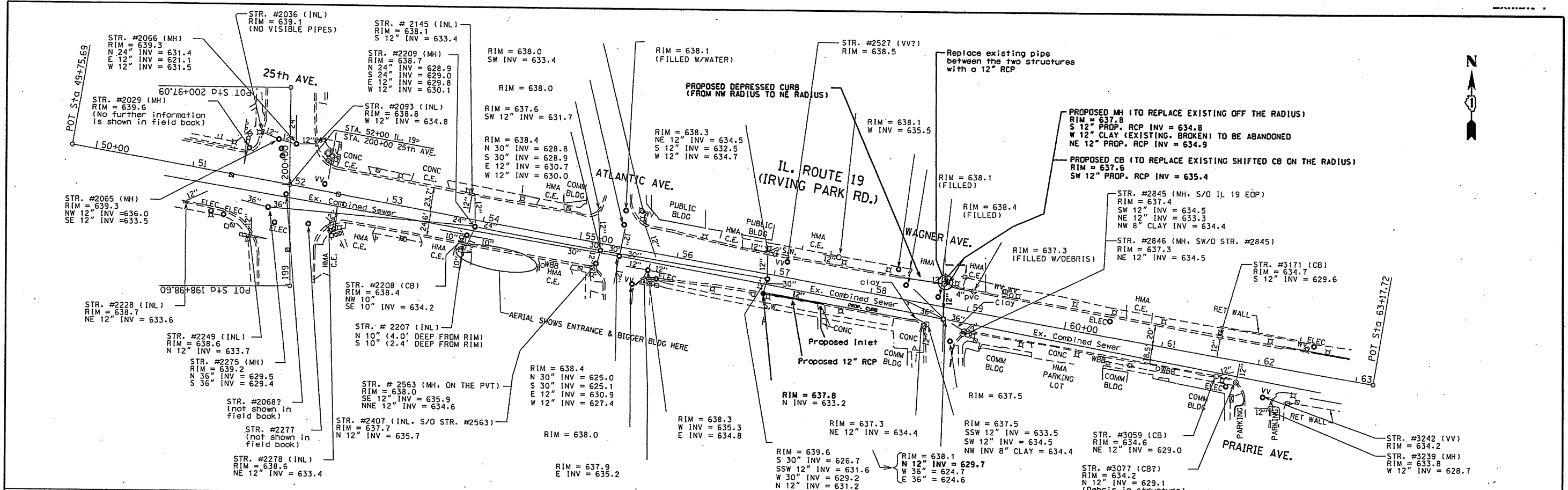
- NOTES:**
- 1) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL STANDARDS TC-13.
 - 2) THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.
 - 3) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD TC-11.
 - 4) SEE PEDESTRIAN RAMP (ADA) SHEETS FOR SIDEWALK DETAILS.
 - 5) FOR PROPOSED DRAINAGE WORK AT WAGNER AVE SEE PROPOSED DRAINAGE PLAN AND PROFILE

FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PAVMENT MARKINGS IL. 19 (W/O SEYMOUR AVE. TO DES PLAINES RIVER)	F.A.P. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
						345	2016-045RS	COOK	36	16
						CONTRACT NO. 62D03				
Default	PLOT DATE = 3/30/2017	DATE -	REVISED -	SCALE: 1" = 50'		SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		



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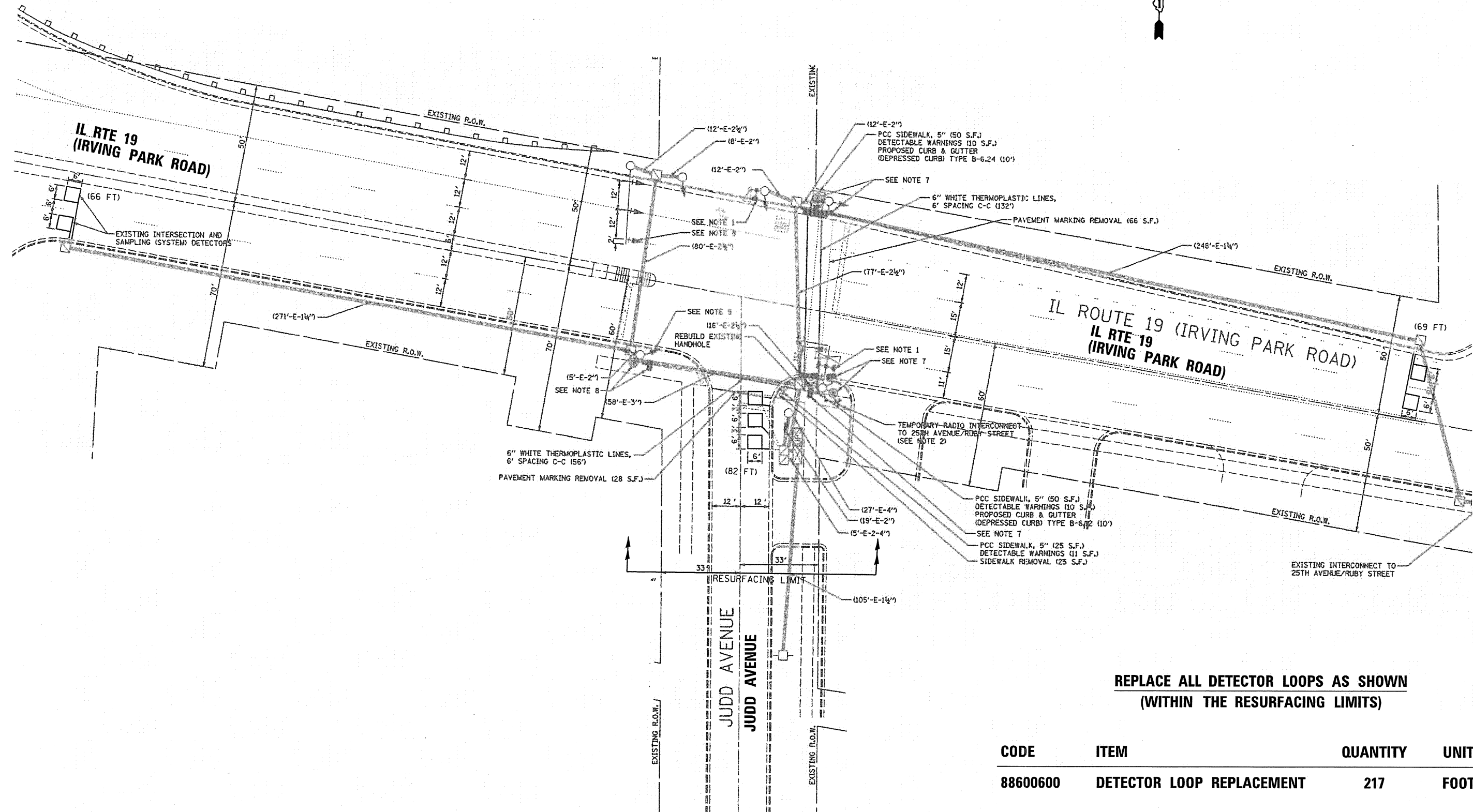
FILE NAME =	USER NAME = wlgreendp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL Route 19 (Irving Park Rd) - 25th Ave to Soo Line Railroad Proposed Drainage Plan and Profile	F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
Default	PLOT SCALE = 1/80.0772' / in.	CHECKED -	REVISED -			345	2016-045RS	COOK	36 17
	PLOT DATE = 11/23/2015	DATE -	REVISED -			SCALE: 1" = 50'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 6203
									ILLINOIS FED. AID PROJECT

THIS SHEET IS INTENTIONALLY LEFT BLANK

FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 19 (W/O SEYMOUR AVE. TO DES PLAINES RIVER)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\142016\142016-sht-plan.dgn		CHECKED -	REVISED -					345	2016-045RS	COOK	36	18
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 62D03			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/30/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		

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	217	FOOT

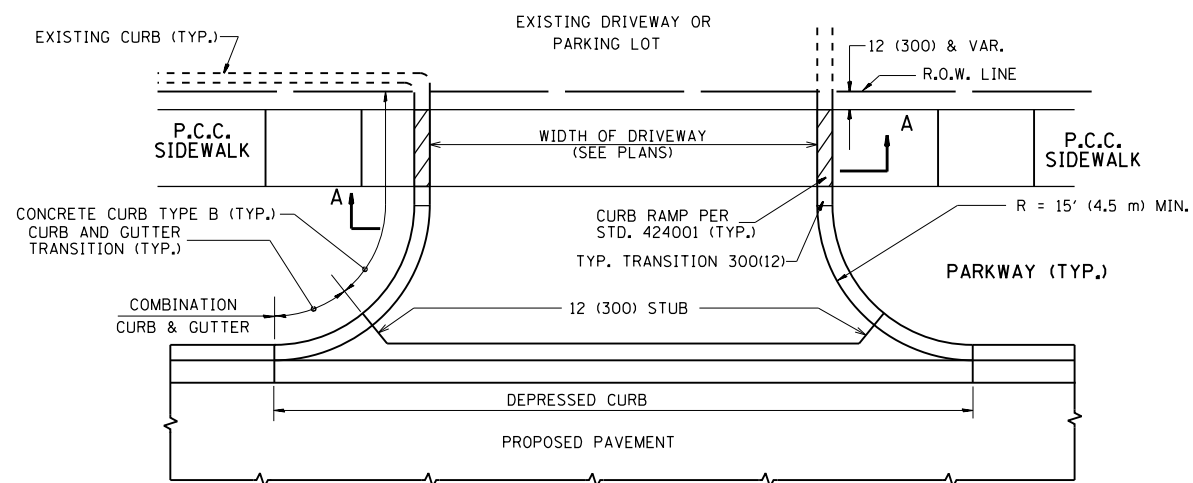
FILE NAME =	USER NAME = jovanmardizg	DESIGNED - ZGJ	REVISED -
TS 1953 ILL RTE 19 & JUDD AVENUE.111020	6.dgn	DRAWN - ZGJ	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

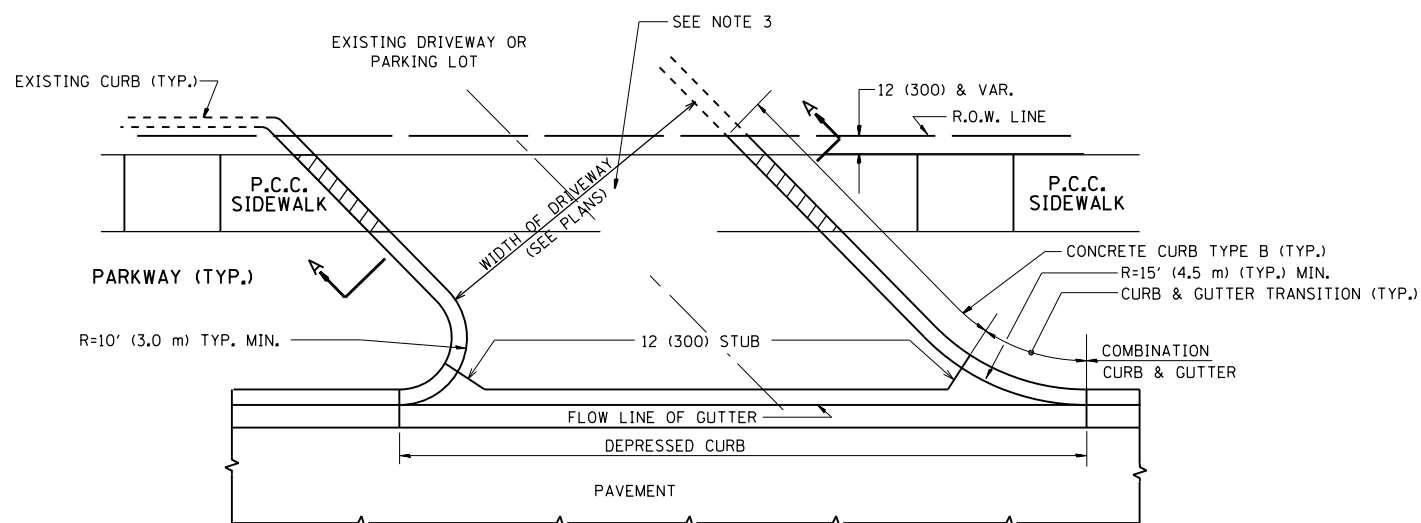
**DETECTOR LOOP REPLACEMENT PLAN
IL RTE 19 (IRVING PARK ROAD) AT JUDD AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

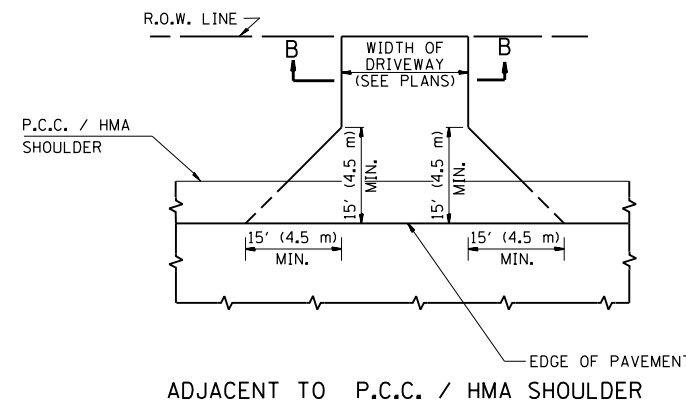
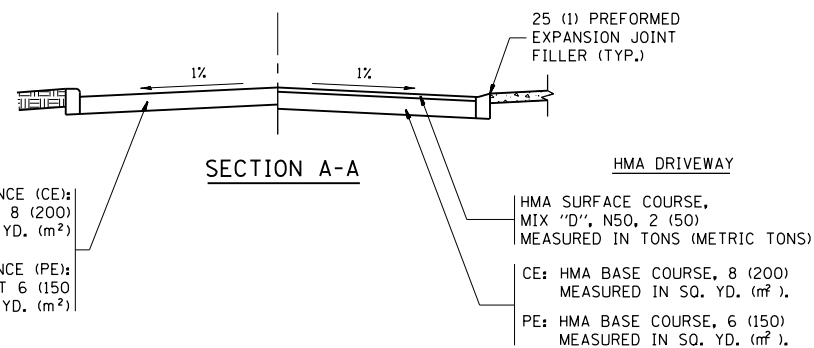
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2016-045RS	COOK	36	31
			CONTRACT NO. 62D03	
ILLINOIS FED. AID PROJECT				



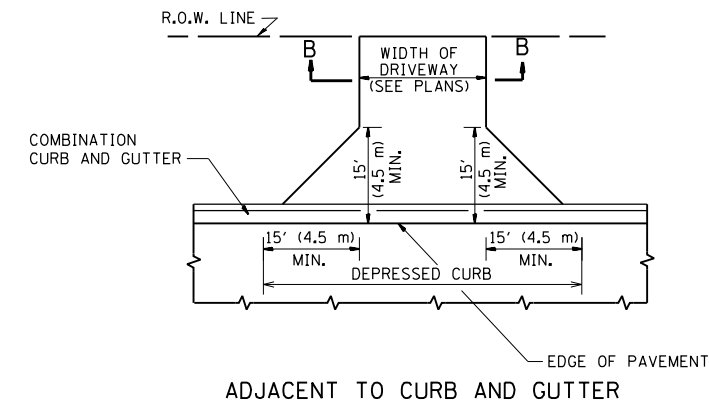
WITH CONCRETE CURB, TYPE B



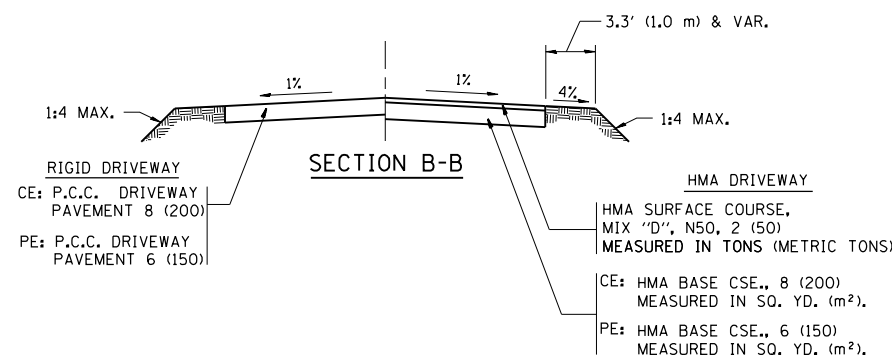
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

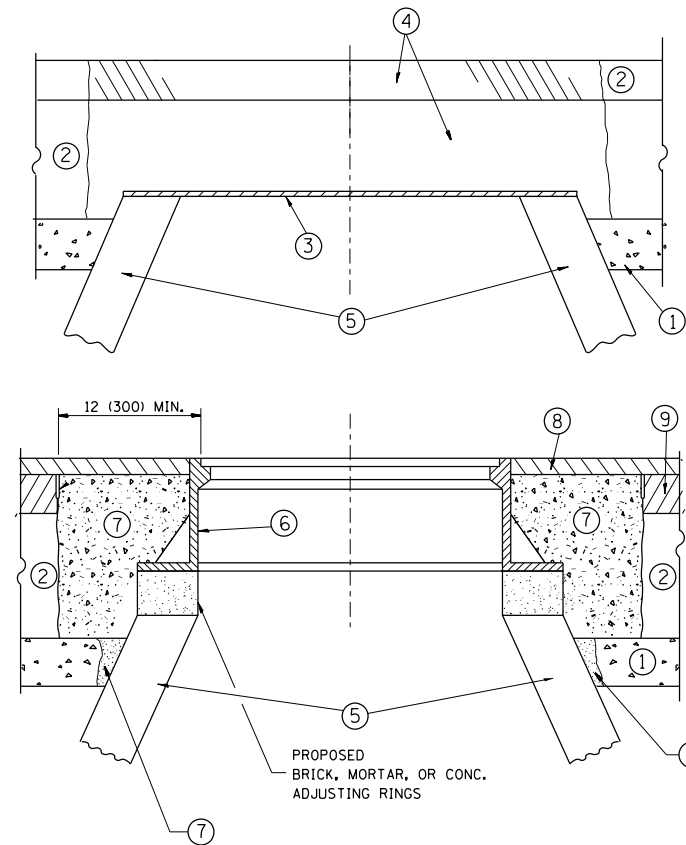
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = valledolidv	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI420\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0002' / in.		DATE - 11-04-95	REVISED - R. BORO 06-11-08
PLOT DATE = 3/30/2017			REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2016-045R5	COOK	36	25
BD0156-07 (BD-01)		CONTRACT NO. 62D03		
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
- 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

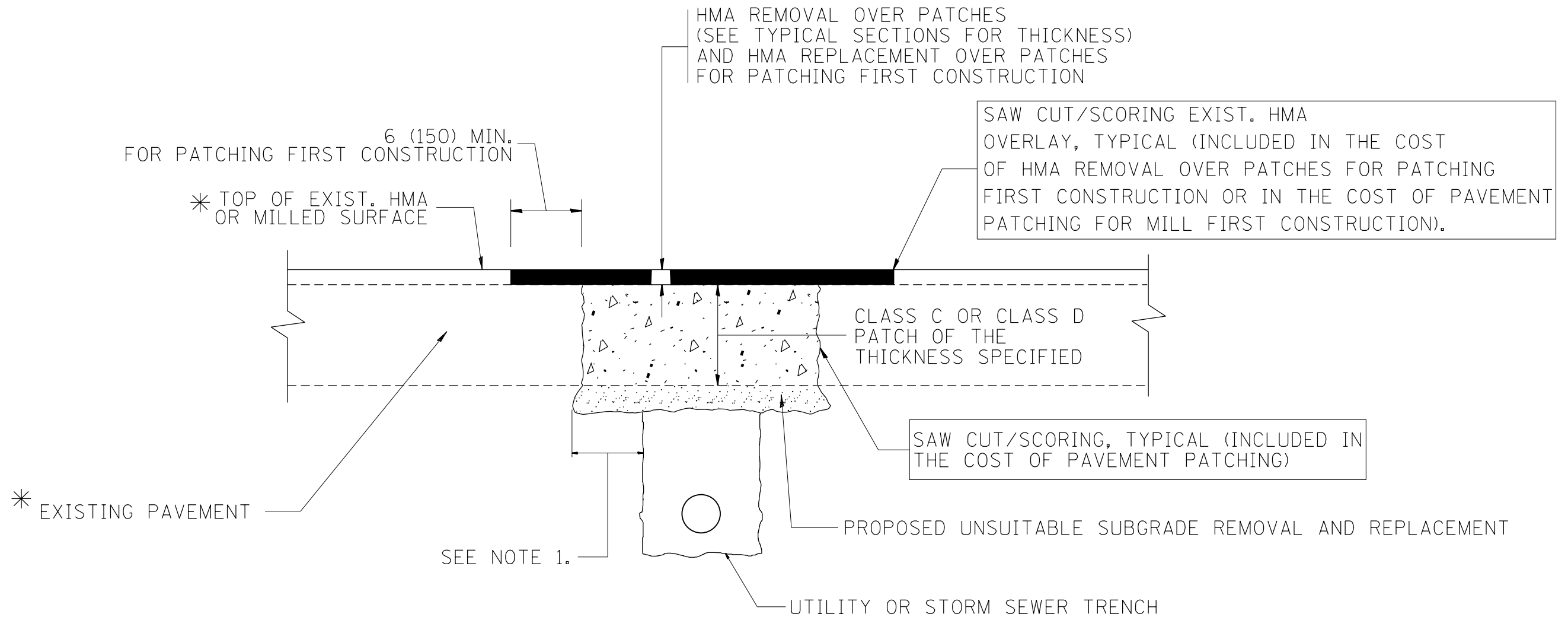
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	PLOT DATE = 3/30/2017	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**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.
345	2016-045R5	COOK	36	26
BD600-03 (BD-8)		CONTRACT NO. 62D03		
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 = valledolidv	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.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI420\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					345	2016-045R5	COOK	36	27
	PLOT DATE = 3/30/2017	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 62D03				
			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".

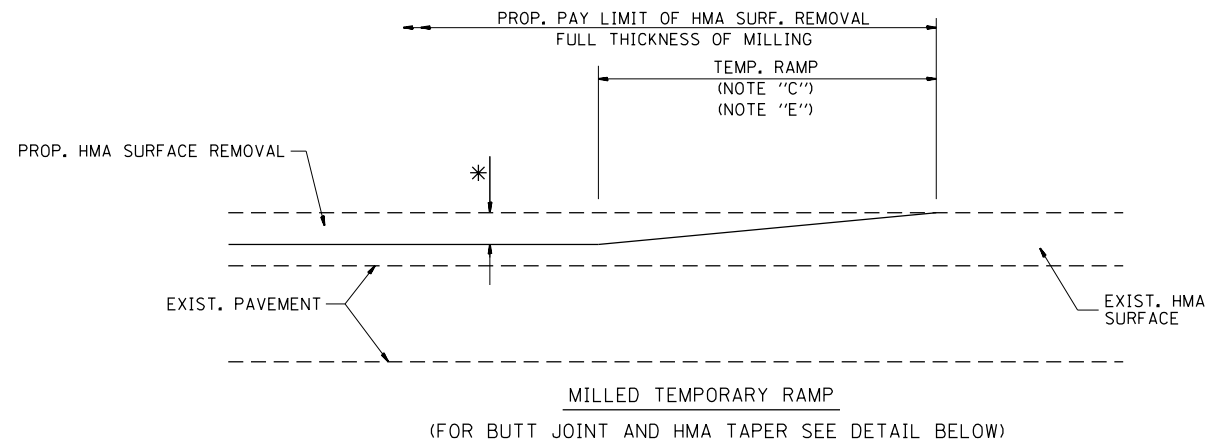
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

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.

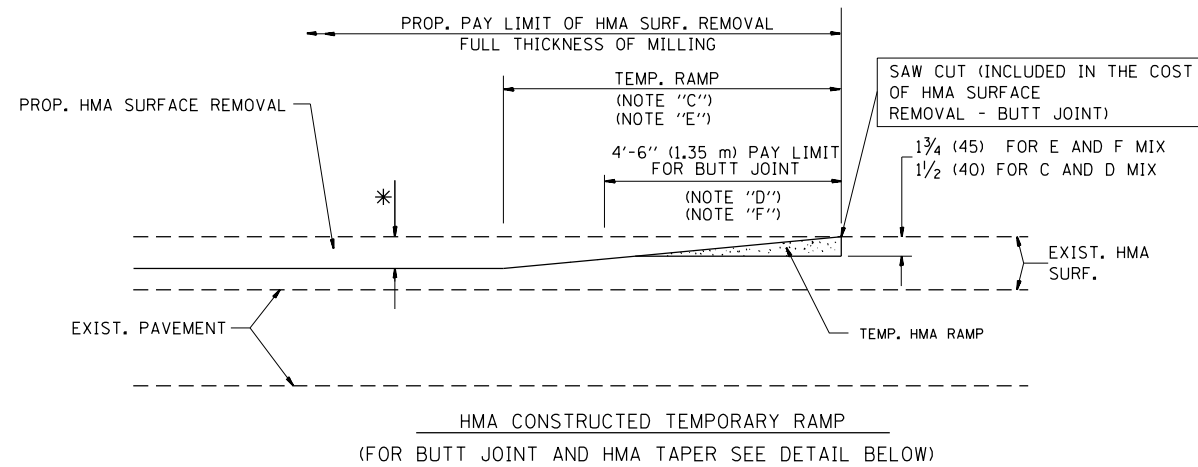
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = valledolidv	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.
pw\1\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI420\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - A. ABBAS 03-21-97					345	2016-045RS	COOK	36	28
PLOT DATE = 3/30/2017	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01	REVISED - R. BORO 12-15-09		BD600-06 (BD-24)			CONTRACT NO. 62D03				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

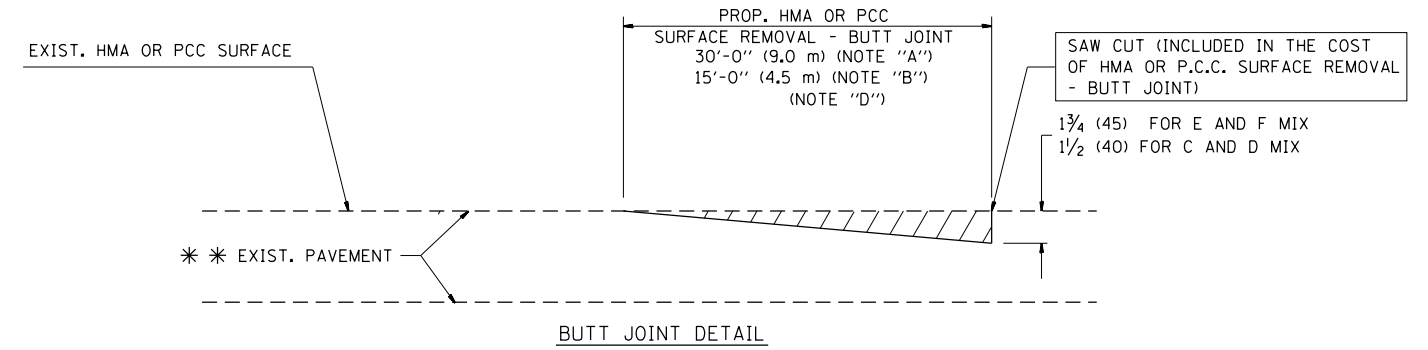


OPTION 1

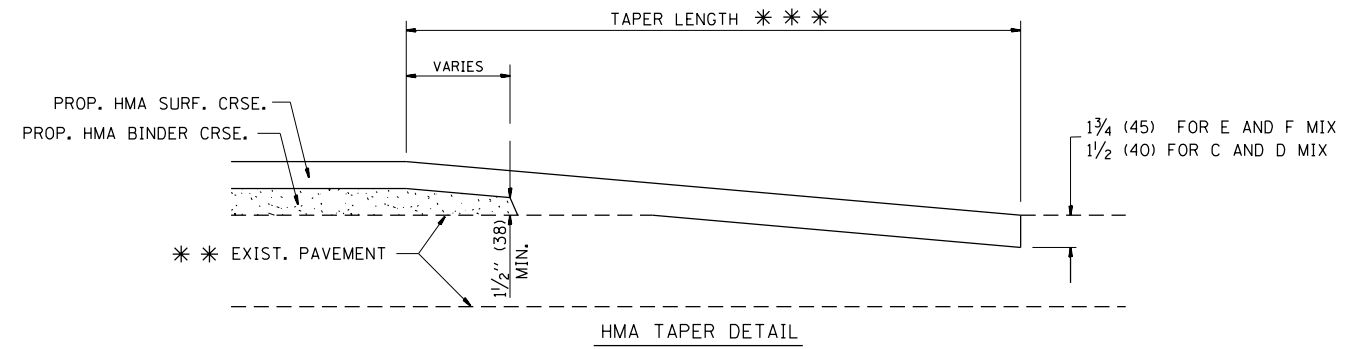


OPTION 2

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.

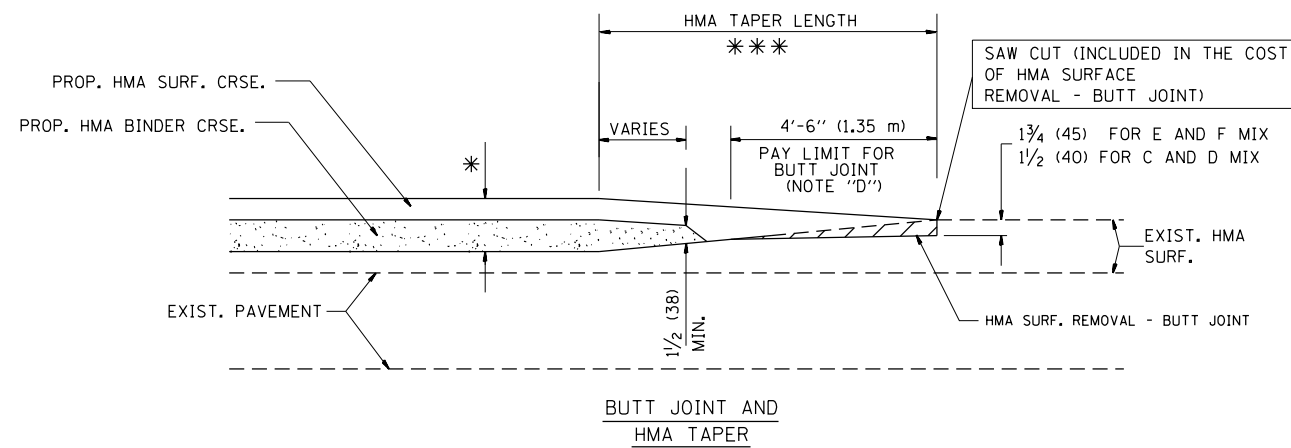
NOTES

- 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.



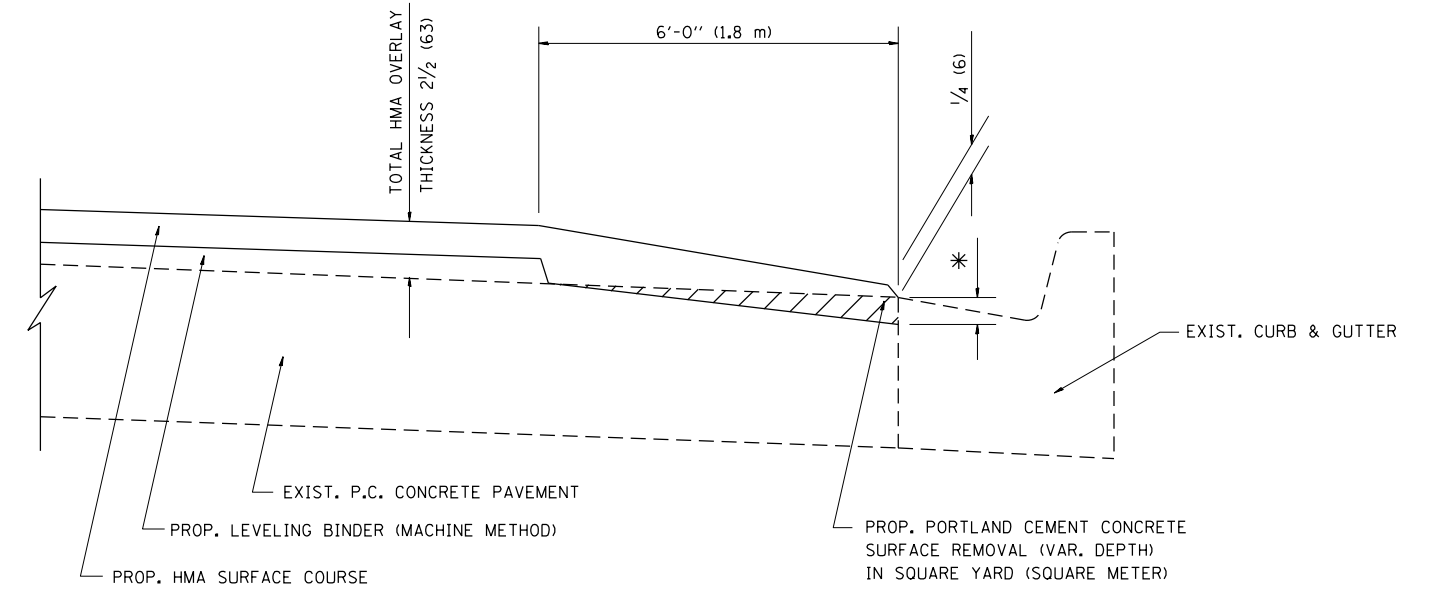
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = valledolidv	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\1\084EBIDINTEG.illinois.gov\PIWDDT\Documents\DOT Offices\District 1\Projects\01420\Drawings\Design\Diststd.dgn		REVISION	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 3/30/2017	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.
345	2016-045RS	COOK	36	29
BD400-05 BD32		CONTRACT NO. 62D03		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

HMA SURFACE	THICKNESS	LEVELING BINDER THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1 1/2 (38)	1 (25)	1/4 (33)
E	1 3/4 (44)	3/4 (19)	1/2 (38)

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

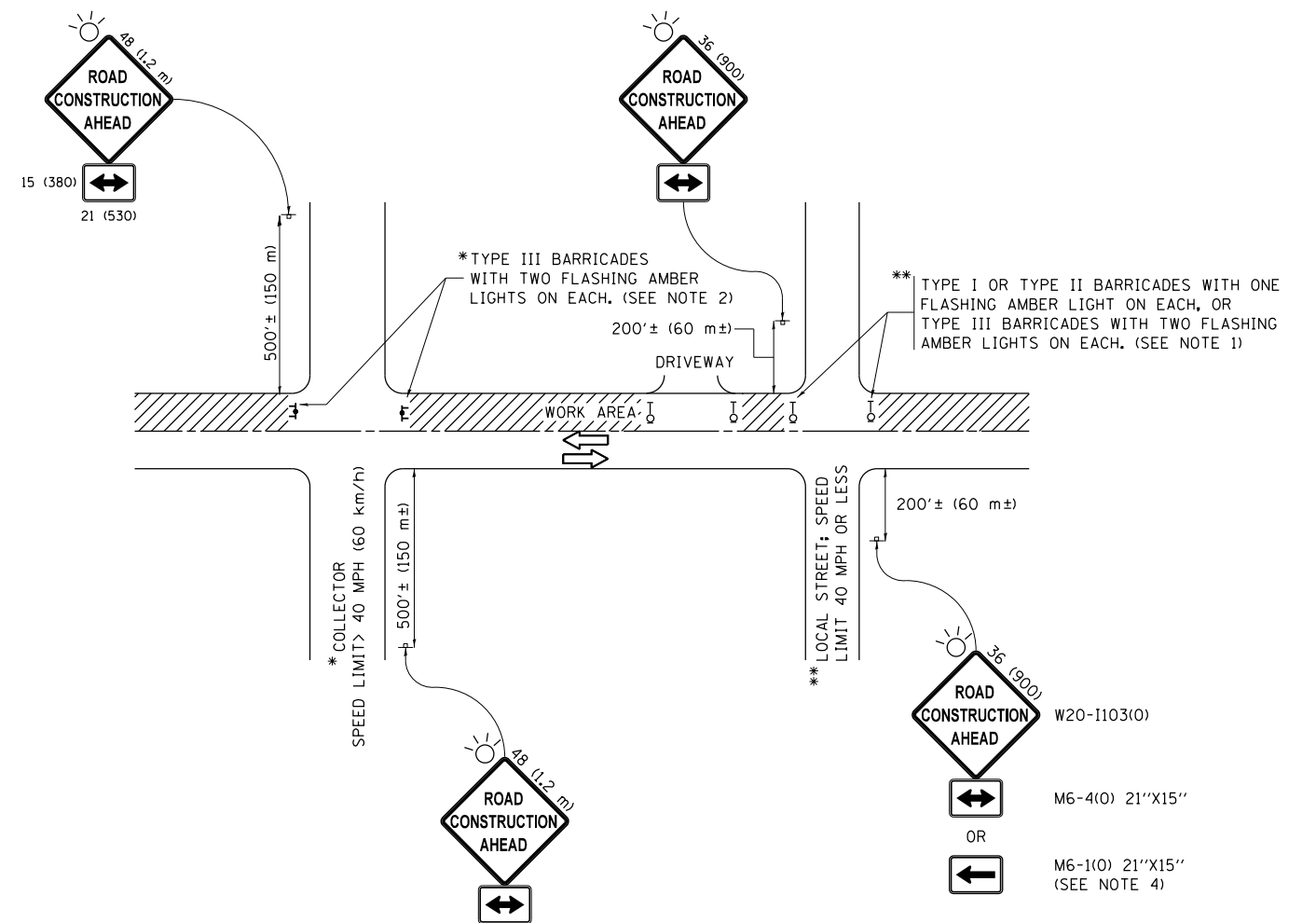
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	PLOT DATE = 3/30/2017		REVISED - JP CHANG 07-08-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2016-045RS	COOK	36	30
BD400-06 (BD33)		CONTRACT NO. 62D03		
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.

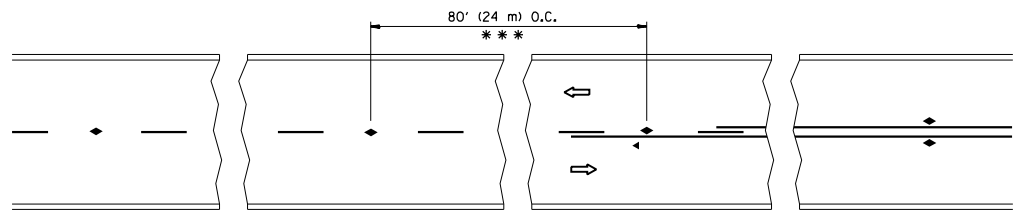
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	PLOT DATE = 3/30/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

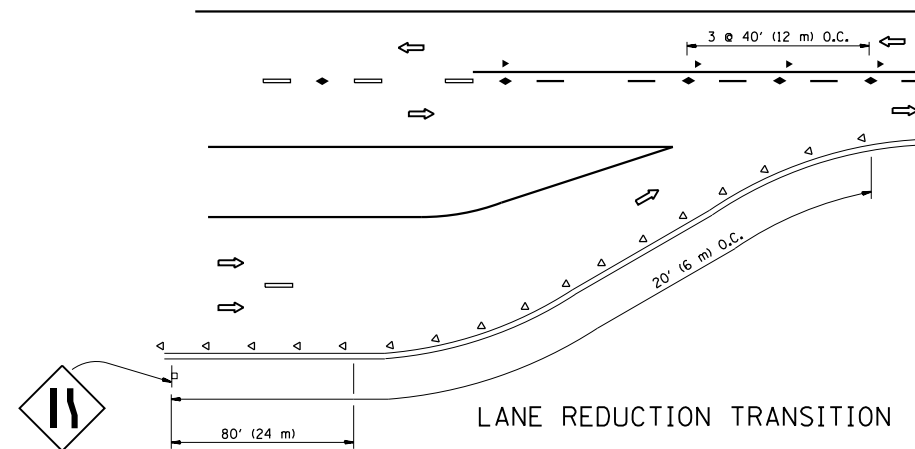
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62D03	
ILLINOIS FED. AID PROJECT				

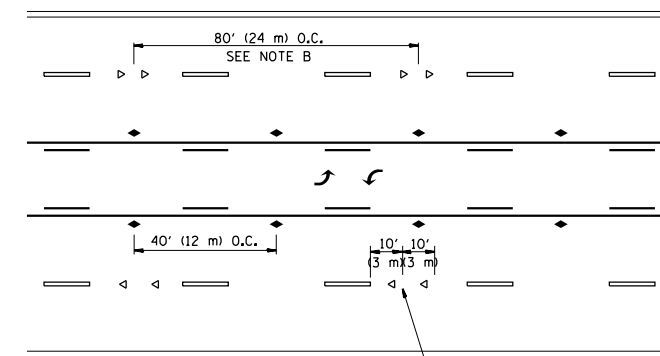


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

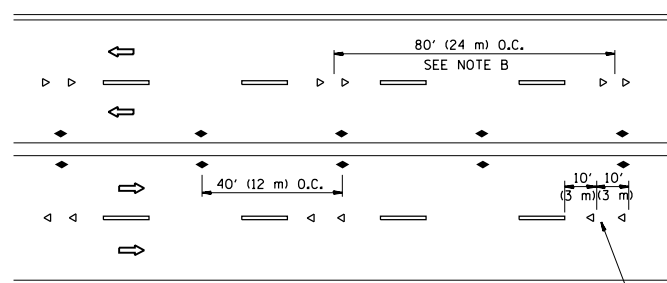
TWO-LANE/TWO-WAY



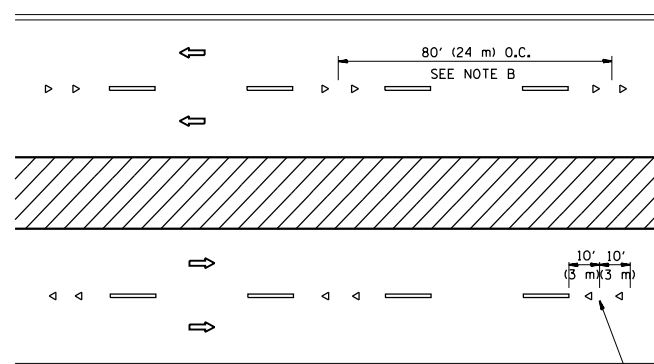
LANE REDUCTION TRANSITION



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

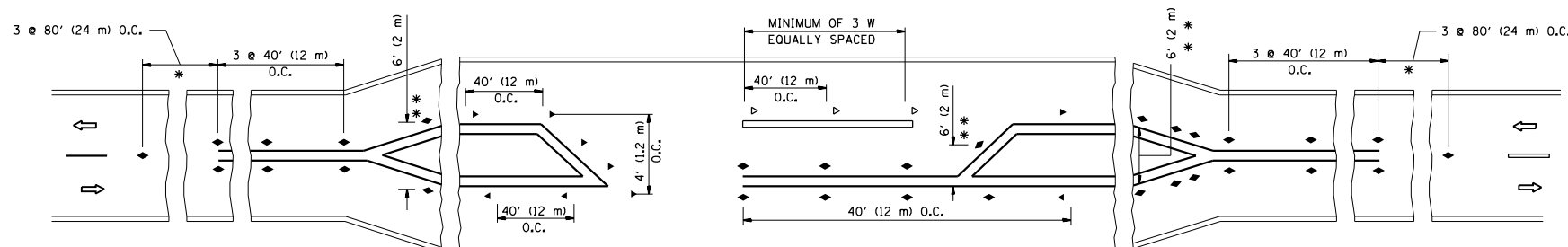
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

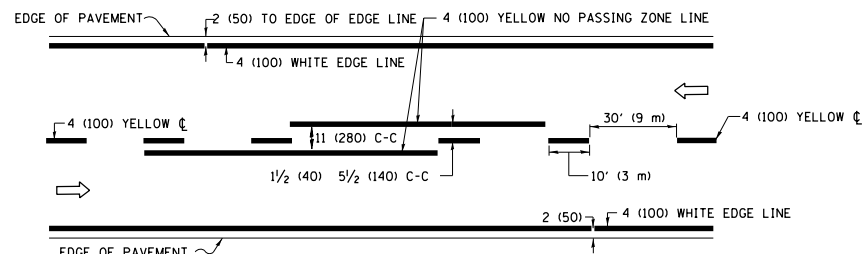
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		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

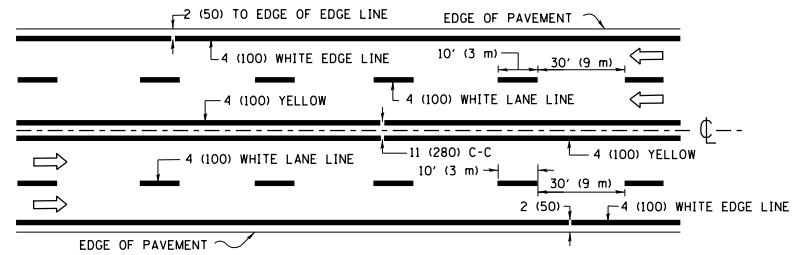
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

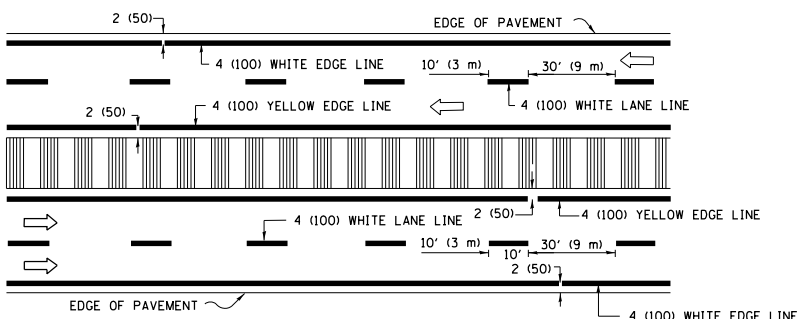
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2016-045RS	COOK	36	32
TC-11		CONTRACT NO. 62D03		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

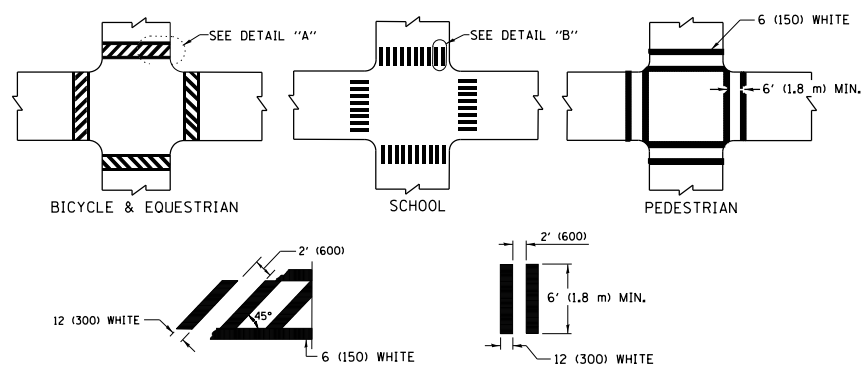


MULTI-LANE UNDIVIDED



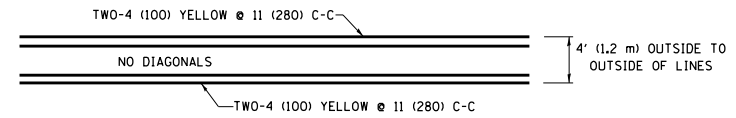
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

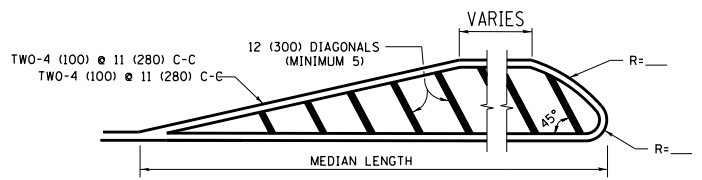


TYPICAL CROSSWALK MARKING

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

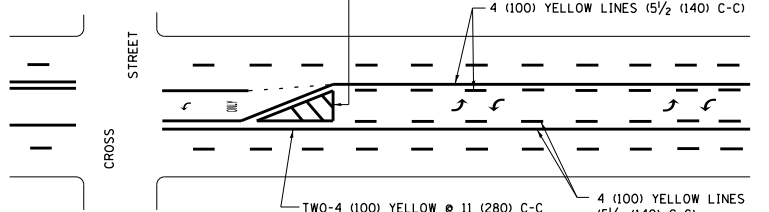


4' (1.2 m) WIDE MEDIANS ONLY



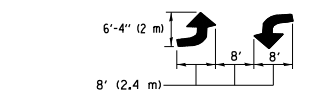
MEDIANS OVER 4' (1.2 m) WIDE

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



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

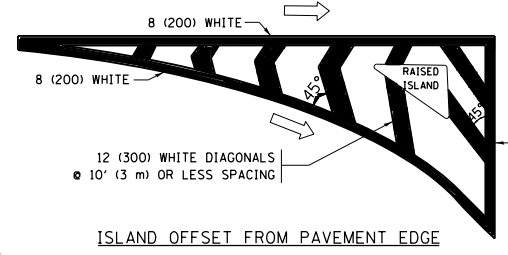
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



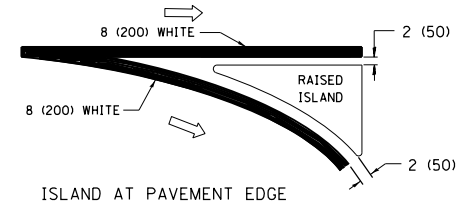
TYPICAL LEFT (OR RIGHT) TURN LANE

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* 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".

TYPICAL TURN LANE MARKING

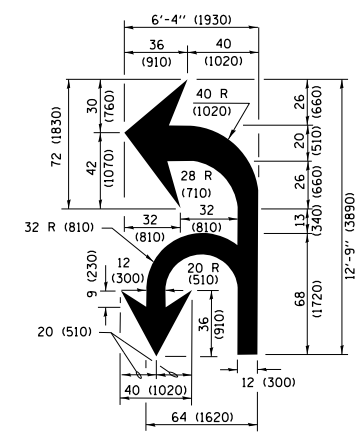


ISLAND OFFSET FROM PAVEMENT EDGE

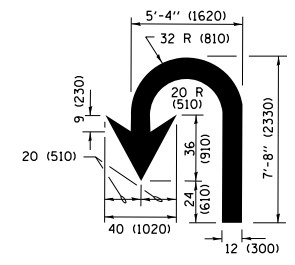


ISLAND AT PAVEMENT EDGE

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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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.

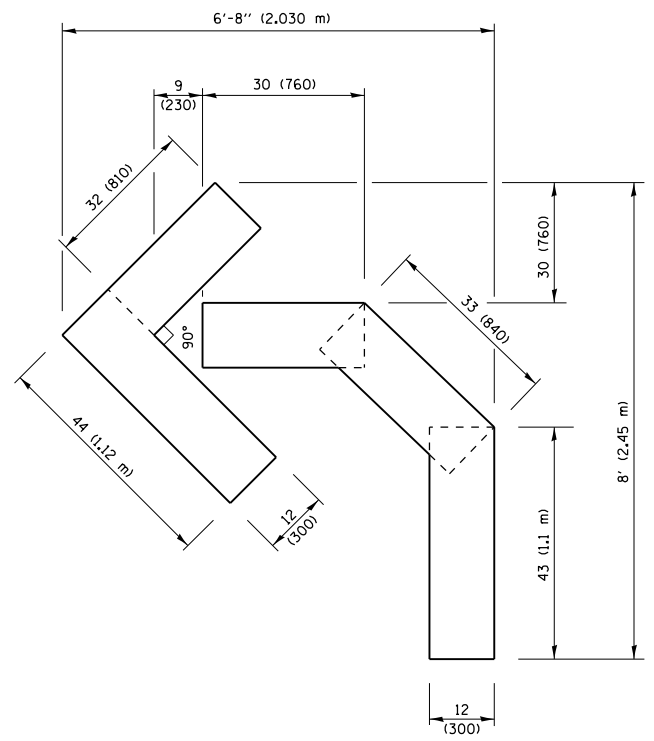
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

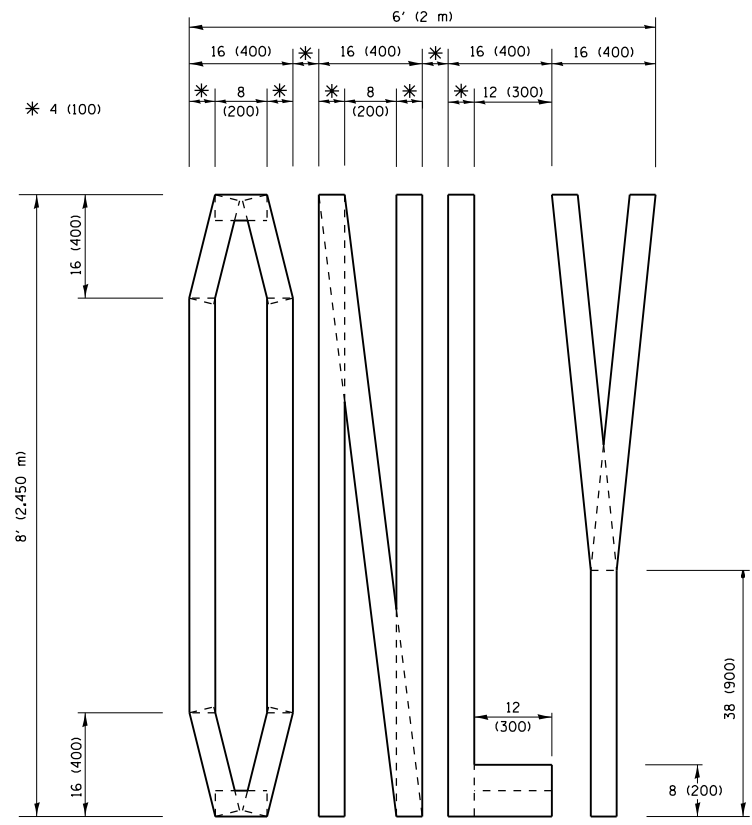
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.
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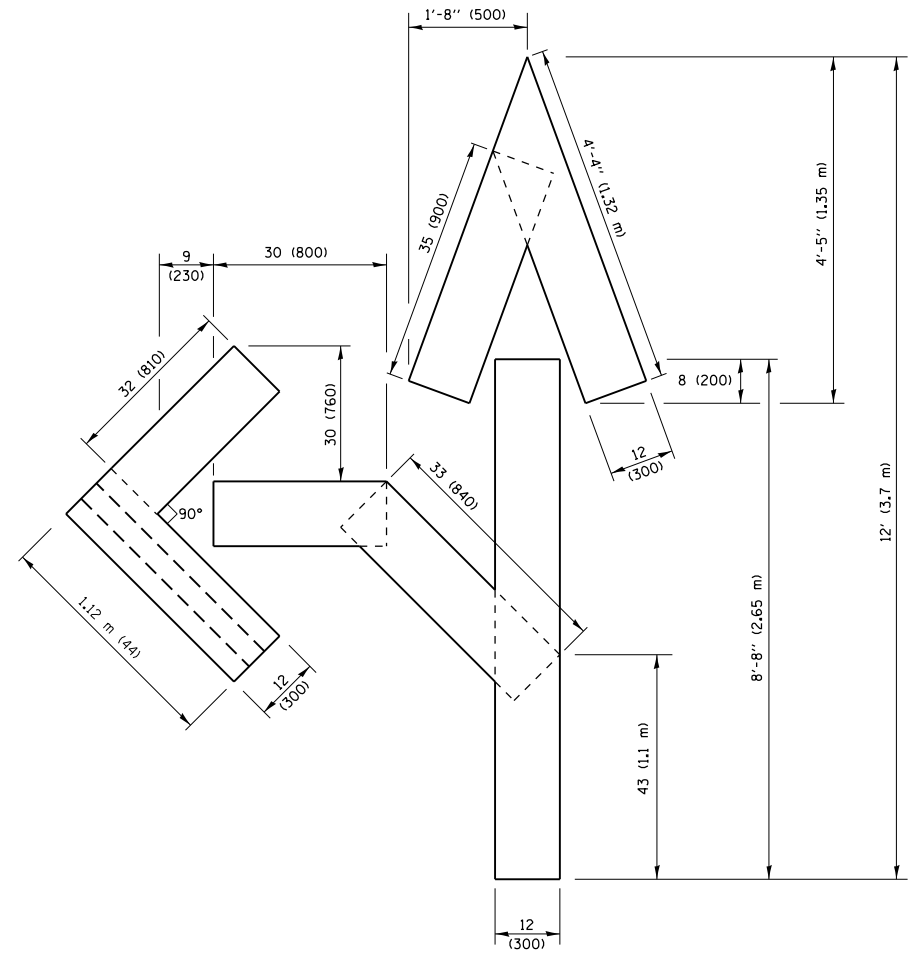
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2016-045RS	COOK	36	33
TC-13		CONTRACT NO. 62D03		
ILLINOIS FED. AID PROJECT				



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

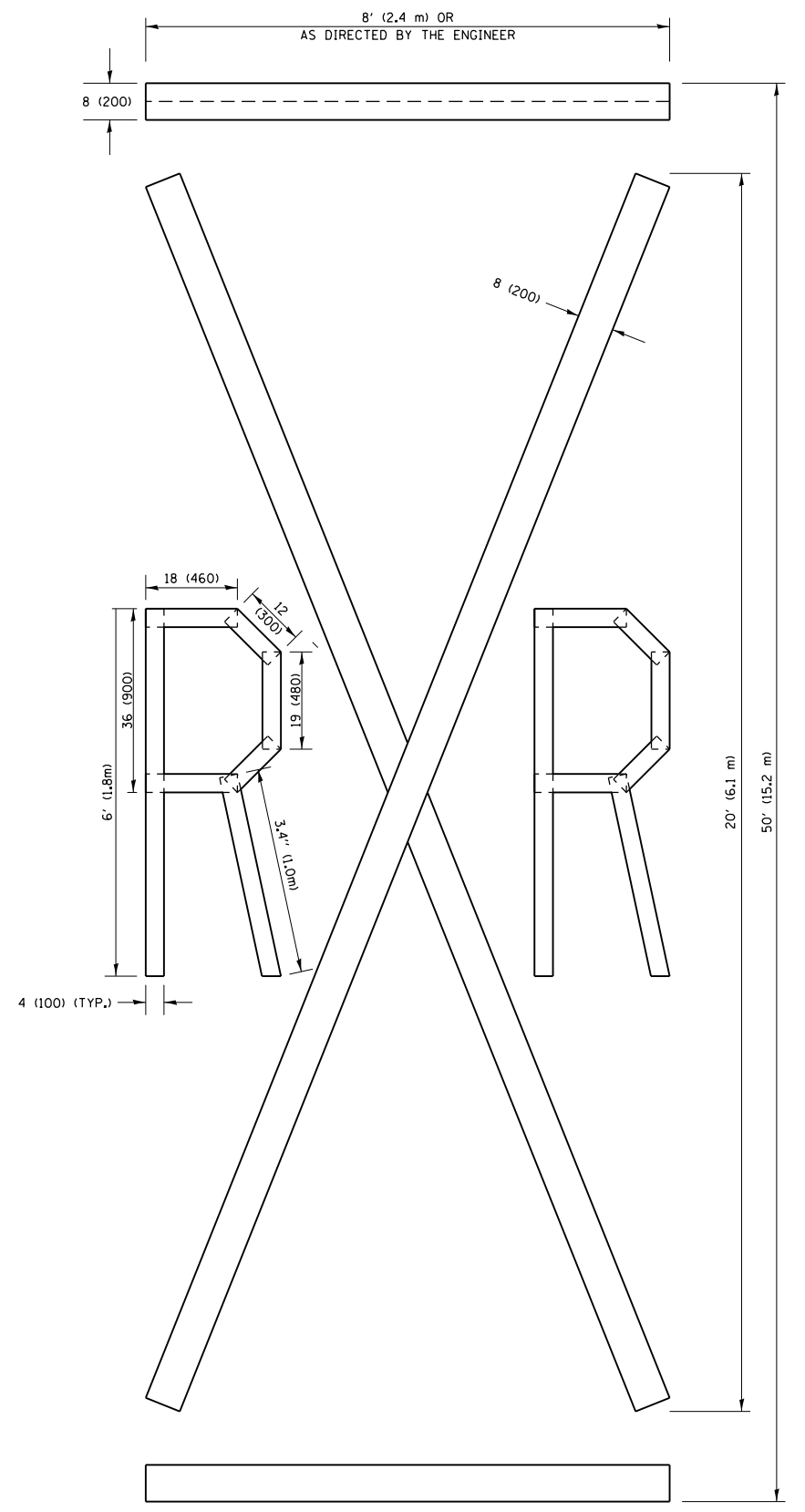


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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.

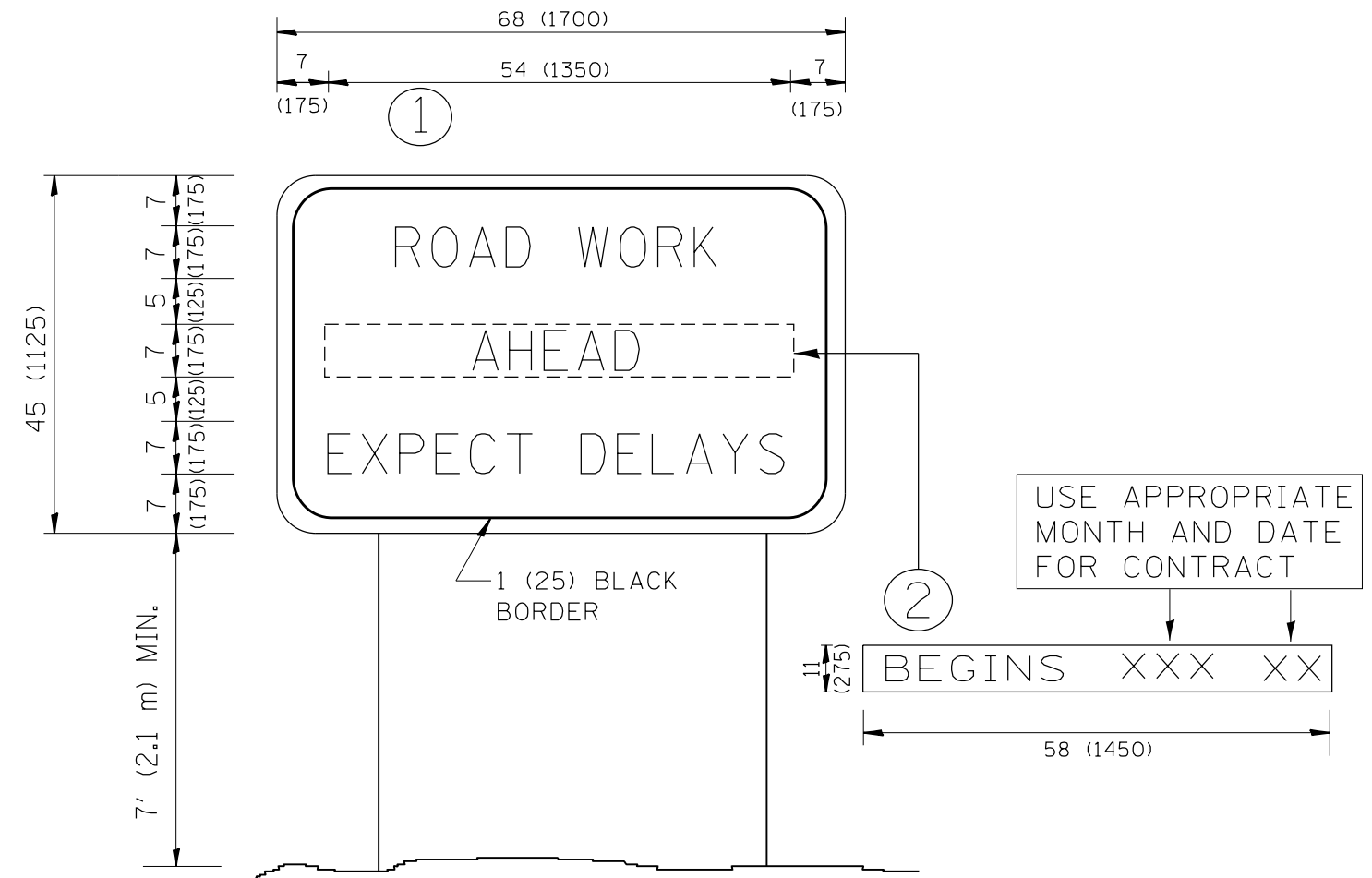
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		DATE -	REVISED -E. GOMEZ 08-28-00
			REVISED -A. SCHUETZE 09-15-16

**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.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2016-045RS	COOK	36	34
TC-16		CONTRACT NO. 62D03		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

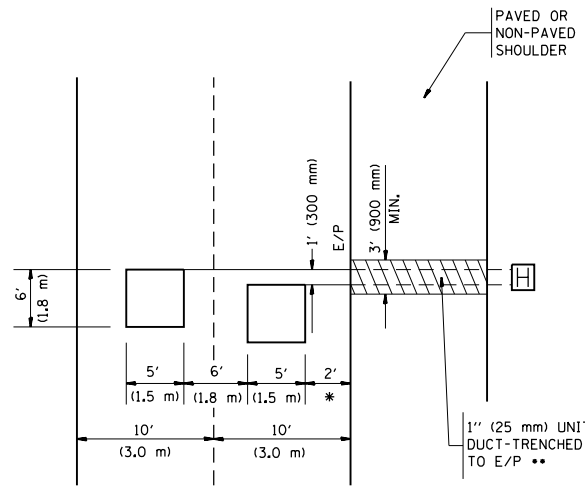
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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 = valledolidv	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - C. JUCIUS 01-31-07				TC-22		CONTRACT NO. 62D03		
PLOT DATE = 3/30/2017	DATE -					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	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.

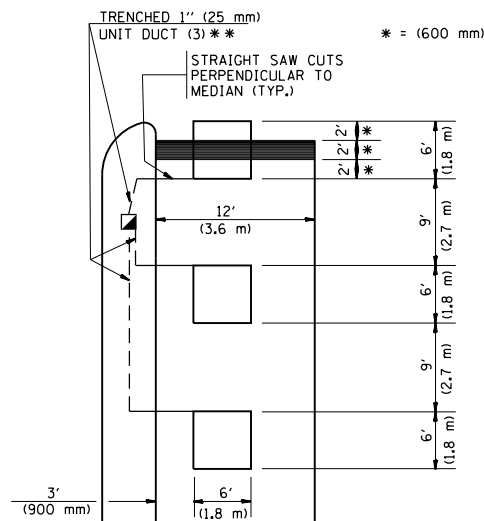


* = (600 mm)

** 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)

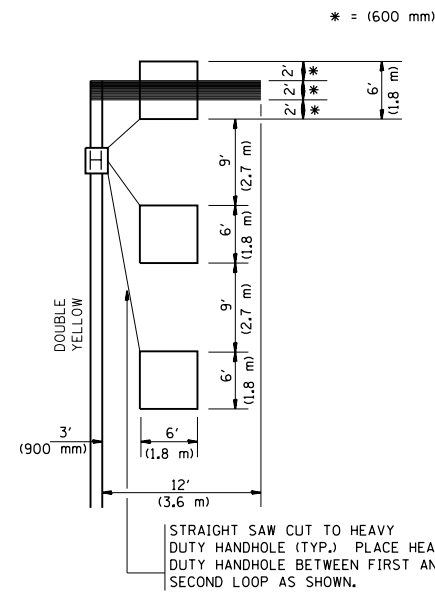
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

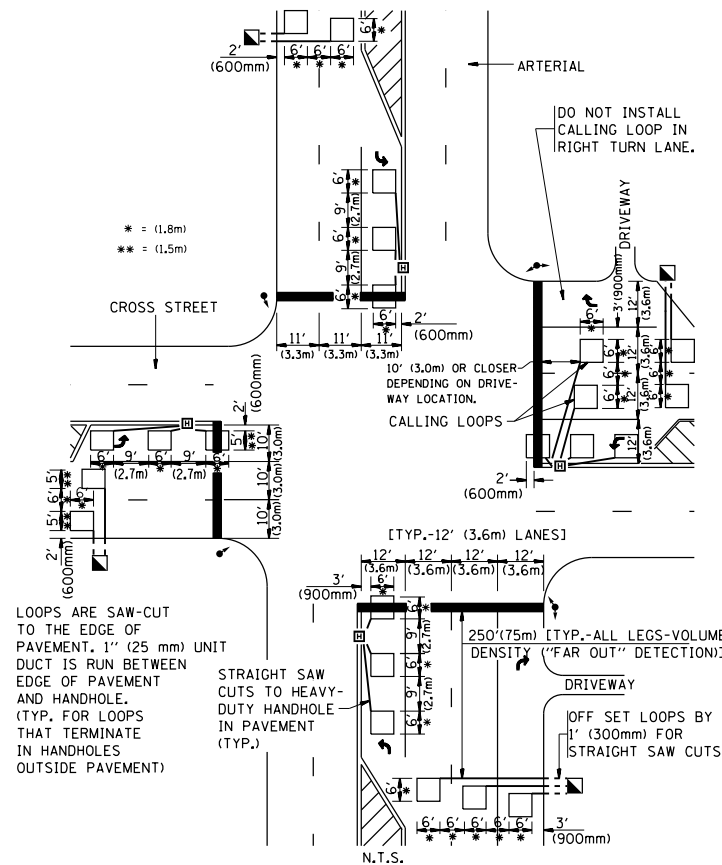
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



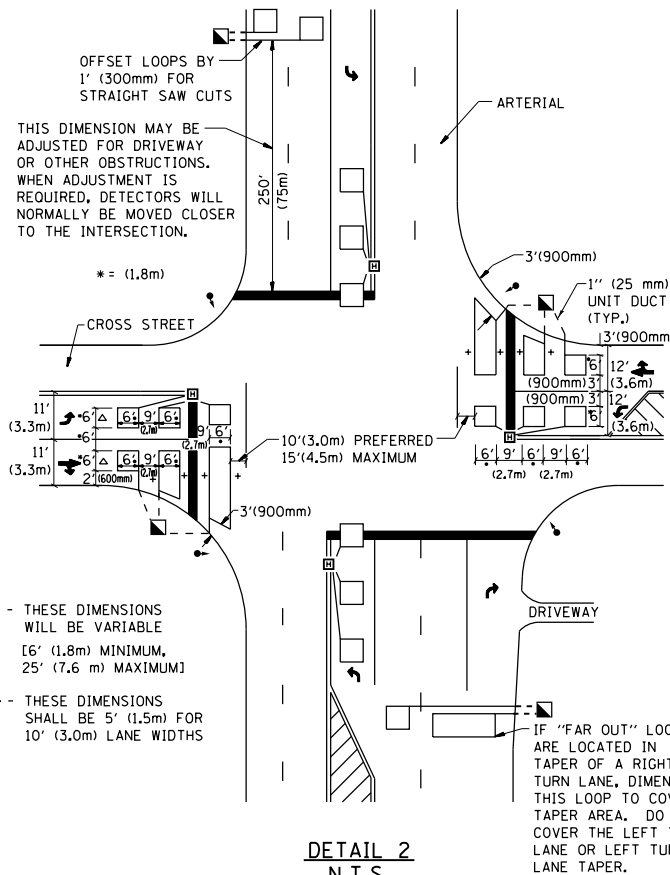
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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 = valledolidv	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.
p:\11\084EBIDINTEG\illinois.gov\PIW001\Documents\IDOT Offices\District 1\Projects\01420\Drawings\Design\Diststd.dgn		CHECKED - R.K.F.	REVISED -		345	2016-045RS	COOK	36	36			
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED -		TS-07			CONTRACT NO. 62D03				
PLOT DATE = 3/30/2017			REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				