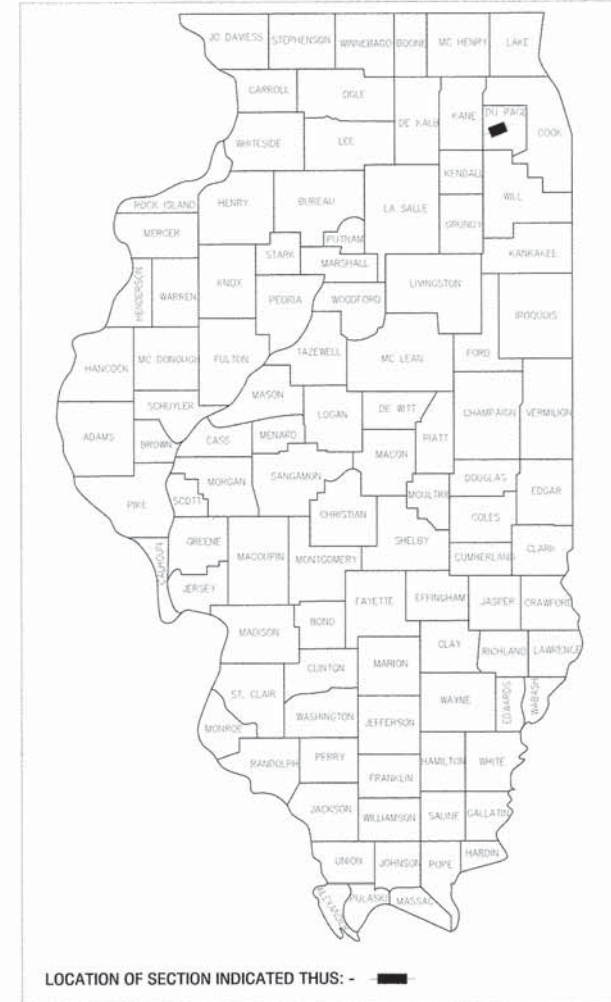


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	1

CONTRACT NO. 61C83

**FAU ROUTE 3830 (PLANK ROAD)
COLUMBIA ST TO NAPER BLVD
RESURFACING
SECTION 16-00165-00-RS
PROJECT NO. M-4003(735)
CITY OF NAPERVILLE
DUPAGE COUNTY
JOB NO: C-91-276-16**



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved March 25 20 16
Andrew Zinner P.E., PTOE
CITY OF NAPERVILLE, CITY ENGINEER

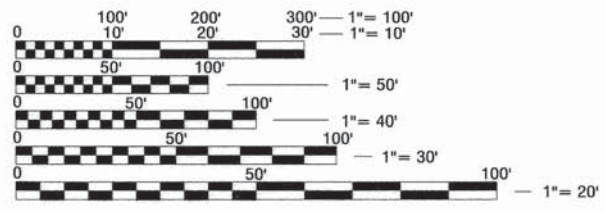
Passed APRIL 1 20 16
C. Holt CHRISTOPHER HOLT
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

Released for Bid
Based on Limited Review Apr. 1 20 16
John Fortman
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PLANS PREPARED BY:
 400 South Eagle Street
Naperville, IL 60540
630-420-6100

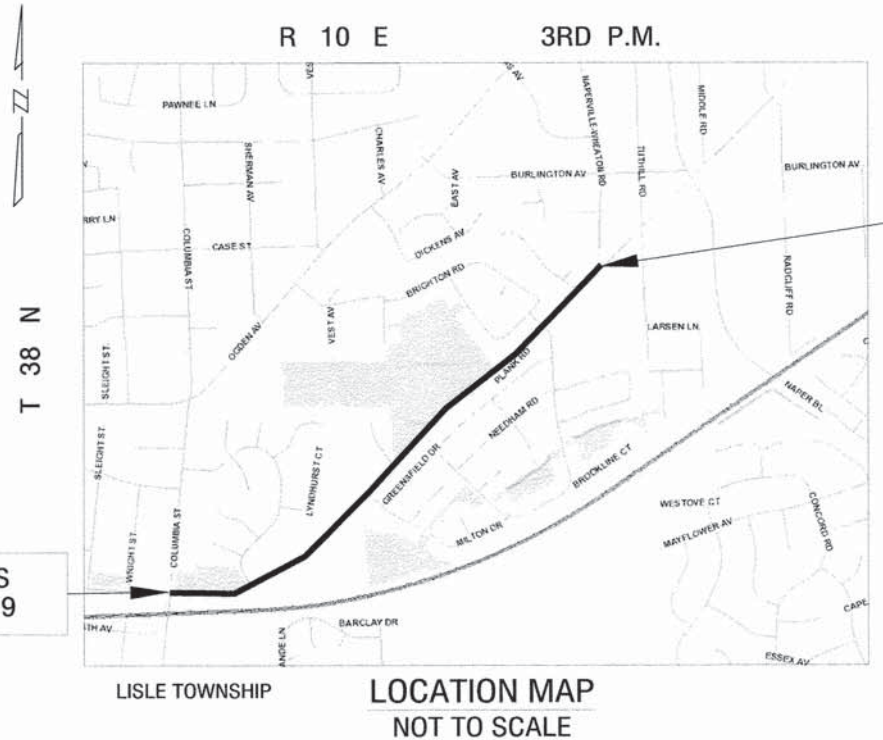
TRAFFIC DATA
2010 ADT = 7,300
2040 ADT = 8,000
POSTED SPEED LIMIT = 25 MPH (COLUMBIA TO MILTON)
35 MPH (MILTON TO NAPERVILLE-WHEATON RD)
DESIGN DESIGNATION: MAJOR COLLECTOR



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

CONTRACT NO. 61C83



PROJECT BEGINS
STATION 4+74.19

PROJECT ENDS
STATION 61+86.82

GROSS AND NET LENGTH = 5,712 FT (1.08 MILES)

STATE OF ILLINOIS
PETER J. ZIBBLE
PROFESSIONAL ENGINEER
NO. 53043
Peter Zibble

Expires: Nov 2017 DATE: 3/25/16

PROGRAM AND OFFICE ENGINEER: FAWAD AQUEEL, P.E. PTOE 847-705-4021 SCHAMBURG, IL

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS:

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016. (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED APRIL 1, 2016; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS; THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

PROJECT COORDINATION:

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. ATTENTION IS CALLED TO SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY SHALL REQUIRE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

PERMITTING:

THE CONTRACTOR MUST OBTAIN ALL APPLICABLE PERMITS FOR THE COMPLETION OF THE WORK, INCLUDING FROM THE CITY OF NAPERVILLE. THE COST OF ALL PERMITS SHALL BE INCLUDED IN THE COST OF MOBILIZATION.

SAFETY:

PER ARTICLE 701.12 OF THE STANDARD SPECIFICATIONS, ALL CONSTRUCTION PERSONNEL SHALL BE REQUIRED TO WEAR FLUORESCENT SAFETY VESTS OF THE SPECIFIED COLOR/S AT ALL TIMES WHILE ON THE CONSTRUCTION SITE.

TRAFFIC CONTROL AND MAINTENANCE:

THE CONTRACTOR SHALL STAGE THE WORK SO THAT ONE LANE OF TRAFFIC IN EACH DIRECTION IS MAINTAINED AT ALL TIMES. IN THE EVENT A TEMPORARY LANE CLOSURE IS REQUIRED, THE CONTRACTOR SHALL UTILIZE IDOT STANDARD 701501. A LANE CLOSURE WILL ONLY BE PERMITTED DURING CONSTRUCTION OPERATIONS AND IN ACCORDANCE WITH THE APPLICABLE IDOT STANDARD. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES INCLUDING FLAGGERS REQUIRED TO MAINTAIN TRAFFIC FLOW. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT NO HOLES IN THE PAVEMENT, AS DETERMINED BY THE ENGINEER, REMAIN OPEN OVER NIGHT.

ACCESS TO ABUTTING PROPERTY SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT. TIME REQUIRED FOR CONSTRUCTION AT DRIVEWAYS SHALL BE LIMITED TO THE MINIMUM TIME REQUIRED FOR SAID CONSTRUCTION AND, IF REQUIRED, TEMPORARY AGGREGATE SURFACE FOR DRIVEWAY ACCESS SHALL BE PROVIDED.

UTILITY COORDINATION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH ALL UTILITIES PER ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS.

PAVEMENT STRIPING:

BEFORE BEGINNING WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES) ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. LOCATIONS OF ALL PROPOSED STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.

SAW CUTTING FOR REMOVAL:

THE CONTRACTOR SHALL BE REQUIRED TO MAKE A FULL DEPTH SAW CUT AT THE EDGE OF PAVEMENT ADJACENT TO THE REMOVAL OF ALL CONCRETE CURB OR COMBINATION CONCRETE CURB AND GUTTER. THE CONTRACTOR SHALL MAKE FULL DEPTH SAW CUTS FOR THE REMOVAL OF ALL CONCRETE CURB AND GUTTERS, SIDEWALKS, AND DRIVEWAYS AS SPECIFIED, OR AS DIRECTED BY THE ENGINEER. THE COST SHALL BE CONSIDERED INCLUDED IN THE COST FOR REMOVAL OF THE SPECIFIED ITEM IN THE CONTRACT.

BASE COURSE CLEANING:

PRIOR TO APPLYING THE BITUMINOUS TACK COAT, THE BASE SURFACE INCLUDING GUTTERS SHALL BE CLEANED OF LOOSE GRINDINGS, LEAVES, OF ALL DUST, DIRT, WEEDS, AND OTHER FOREIGN MATERIALS. ALL CRACK FILL MATERIAL SHALL BE REMOVED IN ITS ENTIRETY ALONG THE CURB LINE. COST TO BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE WORK.

CLEAN-UP AND DISPOSAL:

THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND ANY SURPLUS MATERIAL SHALL BE REMOVED AND RESTORATION SHALL PROCEED AS THE WORK PROCEEDS. IF THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN APPROVED OFF-SITE DISPOSAL AREA.

CONSTRUCTION LIMITS:

THE CONTRACTOR SHALL CONFINE OPERATIONS WITHIN THE DEDICATED ROADWAY RIGHTS-OF-WAY. ANY DAMAGE OUTSIDE OF THE LIMITS OF OPERATION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

LANDSCAPING RESTORATION:

ALL LANDSCAPING DAMAGED DURING CONSTRUCTION SHALL BE RESTORED WITH A MINIMUM OF 4" OF PULVERIZED TOP SOIL, SODDING, AND FERTILIZER NUTRIENTS.

PUBLIC UTILITY LOCATIONS:

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC UTILITIES IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL FOLLOW SECTION 107.39 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CURB AND GUTTER REPLACEMENT:

THE MINIMUM THICKNESS OF THE PROPOSED GUTTER FLAG SHALL BE 10" UNLESS OTHERWISE STATED IN THE PLANS OR DIRECTED BY THE ENGINEER. DISTURBED PAVEMENT AND GROUND AREAS SHALL BE RESTORED IMMEDIATELY FOLLOWING REPLACEMENT OPERATIONS AND IN ALL CASES WITHIN THREE (3) WORKING DAYS FROM THE DATE THE CURB AND GUTTER WAS CAST. THE ENGINEER SHALL STOP THE CONTRACTOR FROM FURTHER REMOVAL OPERATIONS AT ANY TIME HE DETERMINES THE RESTORATION SHALL RESULT IN THE ENFORCEMENT OF LIQUIDATED DAMAGES IN THE AMOUNT SPECIFIED IN ARTICLE 108.09 OF THE STANDARD SPECIFICATIONS.

REMOVAL OF EXISTING PAVEMENT AND APPURTENANCES:

WHEN PORTIONS OF EXISTING PAVEMENTS OR APPURTENANCES ARE TO REMAIN IN PLACE, OR ADJACENT EXISTING PAVEMENTS OR APPURTENANCES ARE TO REMAIN IN PLACE, THE CONTRACTOR SHALL FORM A PERPENDICULAR STRAIGHT JOINT BY FULL-DEPTH MACHINE SAWING AT THE ENDS AND ALL EDGES OF PORTIONS TO BE REMOVED TO PREVENT SURFACE SPALLING. IF DAMAGED, THE EXISTING PAVEMENT OR APPURTENANCE TO REMAIN IN PLACE SHALL BE REPAIRED OR REMOVED AND REPLACED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE, AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM ORIGINALLY BEING REMOVED.

PHASE 3 CONSTRUCTION ENGINEERING

PHASE 3 CONSTRUCTION ENGINEERING WILL BE PERFORMED BY THE CITY OF NAPERVILLE OR DESIGNEE.

INDEX OF SHEETS

STANDARD NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES & STANDARDS
3-4	SUMMARY OF QUANTITIES
5-6	TYPICAL SECTIONS
7-10	PROPOSED ROADWAY PLANS
11-13	PAVEMENT MARKING PLAN
14-21	DISTRICT 1 STANDARD DETAILS
	IDOT STANDARD DETAILS

DISTRICT 1 STANDARD DETAILS

STANDARD NO.	DESCRIPTION
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT SECTIONS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

IDOT STANDARD DETAILS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

FILE NAME = 02-General Notes & Standards.dwg

DESIGNED	CLN	REVISED	-
DRAWN	CLN	REVISED	-
CHECKED	PJZ	REVISED	-
DATE	03/14/2016	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES & STANDARDS

SCALE: N.T.S.

SHEET NO. 1 OF 1 SHEETS

STA. -- TO STA. --

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C83	

SPECIALTY ITEM	S.P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	160
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2
		25200110	SODDING, SALT TOLERANT	SQ YD	160
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	13440
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30
		40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	860
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	222
		40600990	TEMPORARY RAMP	SQ YD	402
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2260
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	909
		42400800	DETECTABLE WARNINGS	SQ FT	157
		44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	19910

SPECIALTY ITEM	S.P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	41
		44000600	SIDEWALK REMOVAL	SQ FT	979
		44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	200
		44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	60
		44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	400
		48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	36
		67100100	MOBILIZATION	LSUM	1
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1
		70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LSUM	1
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	1892
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	480
		70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	353

FILE NAME = 03-Summary of Quantities.dwg

DESIGNED -	CLN	REVISED -	-
DRAWN -	CLN	REVISED -	-
CHECKED -	PJZ	REVISED -	-
DATE -	03/14/2016	REVISED -	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	3
CONTRACT NO. 61C83				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	S.P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	13220
		70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1110
		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	390
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	23
*		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	353
*		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13220
*		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1110
*		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	390
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	23
	*	X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	567
	*	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3
	*	Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	41
	*	Z0017500	DRAINAGE & UTILITY STRUCTURE ADJUSTMENT (SPECIAL)	EACH	21

FILE NAME = 03-Summary of Quantities.dwg

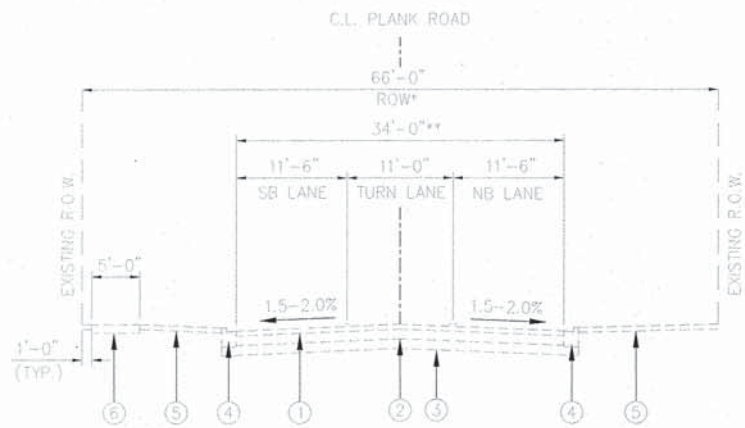
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

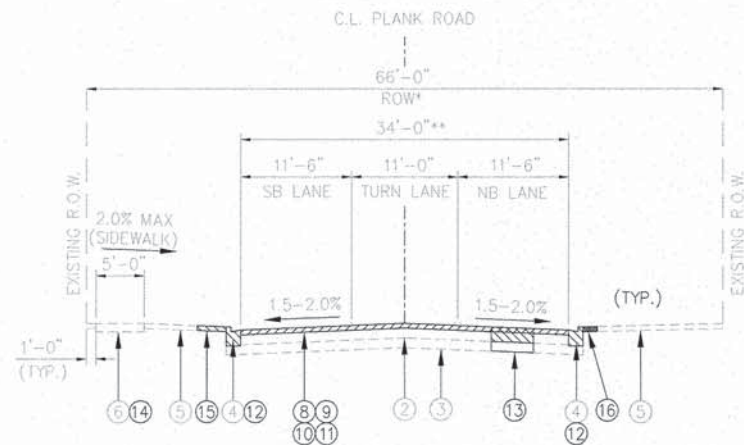
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	4
CONTRACT NO. 61C83				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



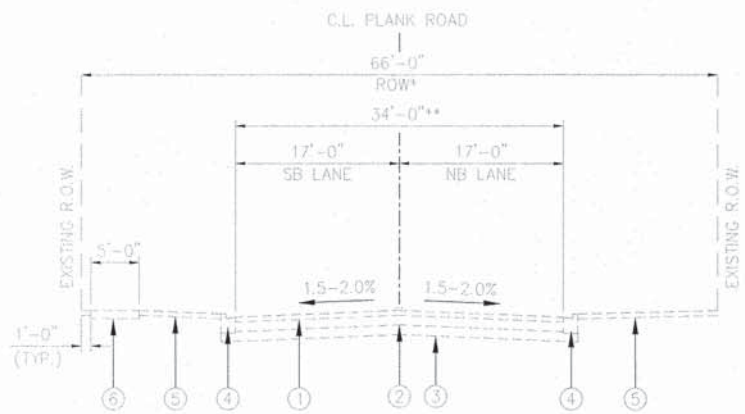
EXISTING TYPICAL SECTION NO. 1

PLANK ROAD
 STA 4+74 TO STA 7+95
 STA 11+20 TO STA 15+40
 STA 26+50 TO STA 28+11
 STA 30+32 TO STA 31+50
 STA 49+85 TO STA 61+86



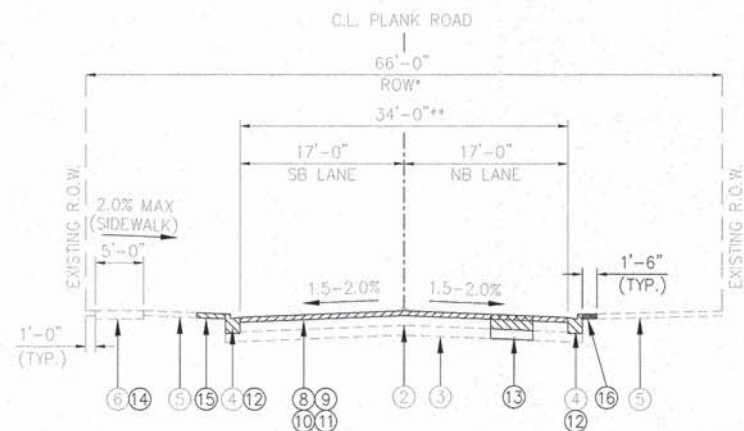
PROPOSED TYPICAL SECTION NO. 1

PLANK ROAD
 STA 4+74 TO STA 7+95
 STA 11+20 TO STA 15+40
 STA 26+50 TO STA 28+11
 STA 30+32 TO STA 31+50
 STA 49+85 TO STA 61+86



EXISTING TYPICAL SECTION NO. 2

PLANK ROAD
 STA 7+95 TO STA 11+20
 STA 15+40 TO STA 26+50



PROPOSED TYPICAL SECTION NO. 2

PLANK ROAD
 STA 7+95 TO STA 11+20
 STA 15+40 TO STA 26+50

*** EXISTING ROW WIDTH**

STA 4+74 TO STA 27+16 - 66'
 STA 27+16 TO STA 30+72 - 83'
 STA 30+72 TO STA 46+70 - 90'
 STA 46+70 TO STA 55+63 - 100'
 STA 55+63 TO STA 61+44 - 83'

**** EXISTING PAVEMENT WIDTHS:**

STA 4+74 TO STA 29+64 - 34'
 STA 29+64 TO STA 31+65 - 34' TO 25' (VARIES)
 STA 31+65 TO STA 35+00 - 25'
 STA 35+00 TO STA 36+50 - 25' TO 34' (VARIES)
 STA 36+50 TO STA 38+35 - 34'
 STA 38+35 TO STA 40+65 - 34' TO 25' (VARIES)
 STA 40+65 TO STA 49+83 - 25'
 STA 49+83 TO STA 51+00 - 25' TO 34' (VARIES)
 STA 51+00 TO STA 61+44 - 34'

LEGEND

EXISTING:

- ① EXISTING HMA SURFACE COURSE, 4.0"
- ② EXISTING HMA BINDER COURSE, 8.0"
- ③ EXISTING HMA AGGREGATE SUBBASE, VARIES 0 - 10.0"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑤ EXISTING TOPSOIL
- ⑥ EXISTING PCC SIDEWALK, 5"

PROPOSED:

- ⑧ HMA SURFACE REMOVAL, 2-3/4" (44000160)
- ⑨ BITUMINOUS MATERIALS (TACK COAT) (40600290)
- ⑩ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (40600827) - 3/4"
- ⑪ HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50 (40603335) - 2"
- ⑫ CURB REMOVAL AND REPLACEMENT (X4400220) - LOCATIONS SHOWN ON ROADWAY PLANS
- ⑬ CLASS D PATCHES - DEPTH AND TYPE VARIES, LOCATIONS AS DIRECTED BY ENGINEER (SEE NOTE 1)
- ⑭ SIDEWALK REMOVAL (44000600) AND PCC SIDEWALK 5" (42400200)- LOCATIONS SHOWN ON ROADWAY PLANS
- ⑮ RESTORATION OF PARKWAY - TOPSOIL, SODDING, AND FERTILIZERS - LOCATIONS SHOWN ON ROADWAY PLANS
- ⑯ RESTORATION BEHIND CURB REMOVAL AND REPLACEMENT - TOPSOIL, SODDING, AND FERTILIZERS

REMOVAL ITEMS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (2")	4% @ 50 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, (3/4")	3.5% @ 50 Gyr.
CLASS D PATCHES 6" AND 12" (AS SPECIFIED) (HMA BINDER IL-19 mm)	4% @ 70 Gyr.
DRIVEWAYS HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) 3"	4% @ 50 Gyr.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE UNIT WEIGHT USED TO CALCULATE POLYMERIZED HOT-MIX ASPHALT BINDER MIXTURE QUANTITIES IS 110 LBS/SQ YD/IN.
3. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
4. THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS-SBR76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG-64-22" UNLESS MODIFIED BY DISTRICT 1 SPECIAL PROVISIONS.

NOTE 1: CONTRACTOR SHALL PATCH BEFORE MILLING. SEE PATCHING DETAIL BD400-04 (BD-22) FOR INCLUDED ITEMS TO PATCHING COST AND FOR ADDITIONAL PATCHING DETAILS.

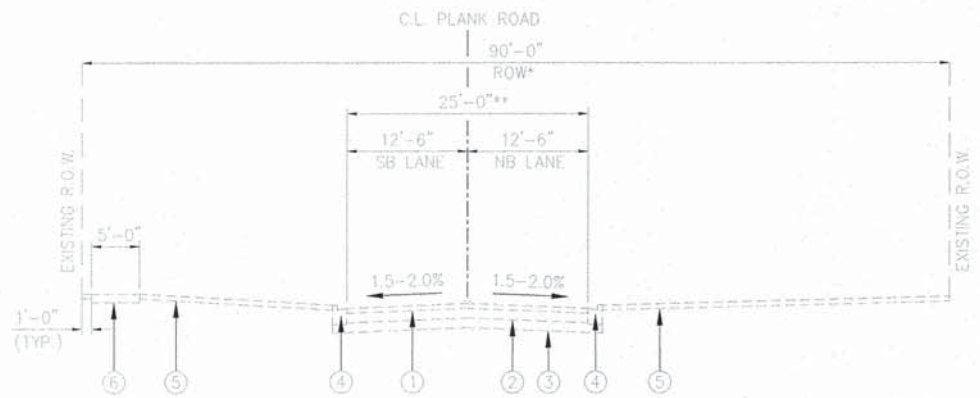
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DATE - 03/14/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

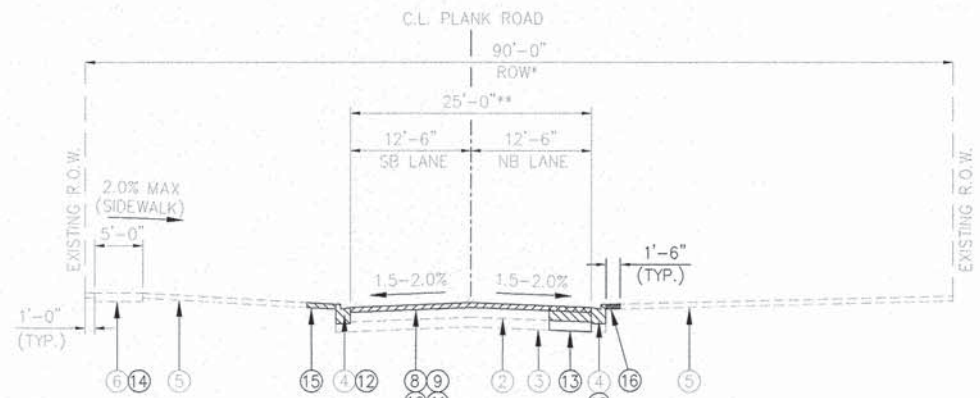
PLANK ROAD
 TYPICAL SECTIONS

SCALE: N.T.S.	SHEET NO. 1 OF 2 SHEETS	STA. - TO STA. -	F.A.U. RTE. 3830	SECTION 16-00165-00-RS	COUNTY DUPAGE	TOTAL SHEETS 21	SHEET NO. 5
			CONTRACT NO. 61C83				
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION NO. 3

PLANK ROAD
 STA 31+50 TO STA 33+00
 STA 44+16 TO STA 49+85



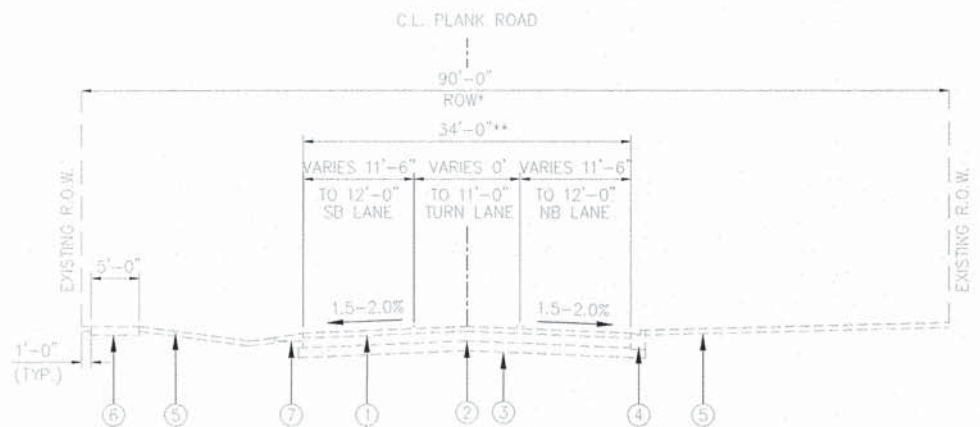
PROPOSED TYPICAL SECTION NO. 3

PLANK ROAD
 STA 31+50 TO STA 33+00
 STA 44+16 TO STA 49+85

LEGEND

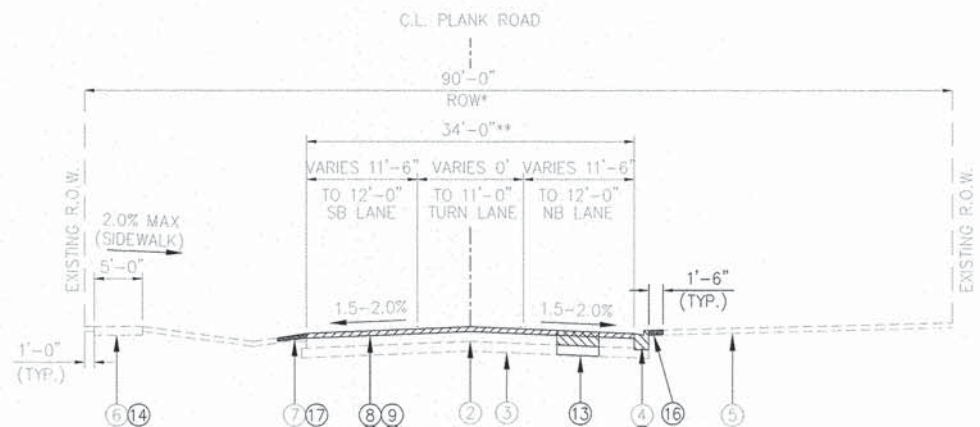
- EXISTING:**
- ① EXISTING HMA SURFACE COURSE, 4.0"
 - ② EXISTING HMA BINDER COURSE, 8.0"
 - ③ EXISTING HMA AGGREGATE SUBBASE, VARIES 0 - 10.0"
 - ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ⑤ EXISTING TOPSOIL
 - ⑥ EXISTING PCC SIDEWALK, 5"
 - ⑦ EXISTING AGGREGATE SHOULDER
- PROPOSED:**
- ⑧ HMA SURFACE REMOVAL, 2-3/4" (44000160)
 - ⑨ BITUMINOUS MATERIALS (TACK COAT) (40600290)
 - ⑩ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (40600827) - 3/4"
 - ⑪ HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50 (40603335) - 2"
 - ⑫ CURB REMOVAL AND REPLACEMENT (X4400220) - LOCATIONS SHOWN ON ROADWAY PLANS
 - ⑬ CLASS D PATCHES - DEPTH AND TYPE VARIES, LOCATIONS AS DIRECTED BY ENGINEER (SEE NOTE 1)
 - ⑭ SIDEWALK REMOVAL (44000600) AND PCC SIDEWALK 5" (42400200) - LOCATIONS SHOWN ON ROADWAY PLANS
 - ⑮ RESTORATION OF PARKWAY - TOPSOIL, SODDING, AND FERTILIZERS - LOCATIONS SHOWN ON ROADWAY PLANS
 - ⑯ RESTORATION BEHIND CURB REMOVAL AND REPLACEMENT - TOPSOIL, SODDING, AND FERTILIZERS
 - ⑰ AGGREGATE WEDGE SHOULDER, TYPE B (48102100)

REMOVAL ITEMS



EXISTING TYPICAL SECTION NO. 4

PLANK ROAD
 STA 28+11 TO STA 30+32
 STA 33+00 TO STA 44+16



PROPOSED TYPICAL SECTION NO. 4

PLANK ROAD
 STA 28+11 TO STA 30+32
 STA 33+00 TO STA 44+16

*** EXISTING ROW WIDTH**

- STA 4+74 TO STA 27+16 - 66'
- STA 27+16 TO STA 30+72 - 83'
- STA 30+72 TO STA 46+70 - 90'
- STA 46+70 TO STA 55+63 - 100'
- STA 55+63 TO STA 61+44 - 83'

**** EXISTING PAVEMENT WIDTHS:**

- STA 4+74 TO STA 29+64 - 34'
- STA 29+64 TO STA 31+65 - 34' TO 25' (VARIES)
- STA 31+65 TO STA 35+00 - 25'
- STA 35+00 TO STA 36+50 - 25' TO 34' (VARIES)
- STA 36+50 TO STA 38+35 - 34'
- STA 38+35 TO STA 40+65 - 34' TO 25' (VARIES)
- STA 40+65 TO STA 49+83 - 25'
- STA 49+83 TO STA 51+00 - 25' TO 34' (VARIES)
- STA 51+00 TO STA 61+44 - 34'

NOTE 1: CONTRACTOR SHALL PATCH BEFORE MILLING. SEE PATCHING DETAIL BD400-04 (BD-22) FOR INCLUDED ITEMS TO PATCHING COST AND FOR ADDITIONAL PATCHING DETAILS.

FILE NAME = D4-TypSections_PlankLATO.dwg

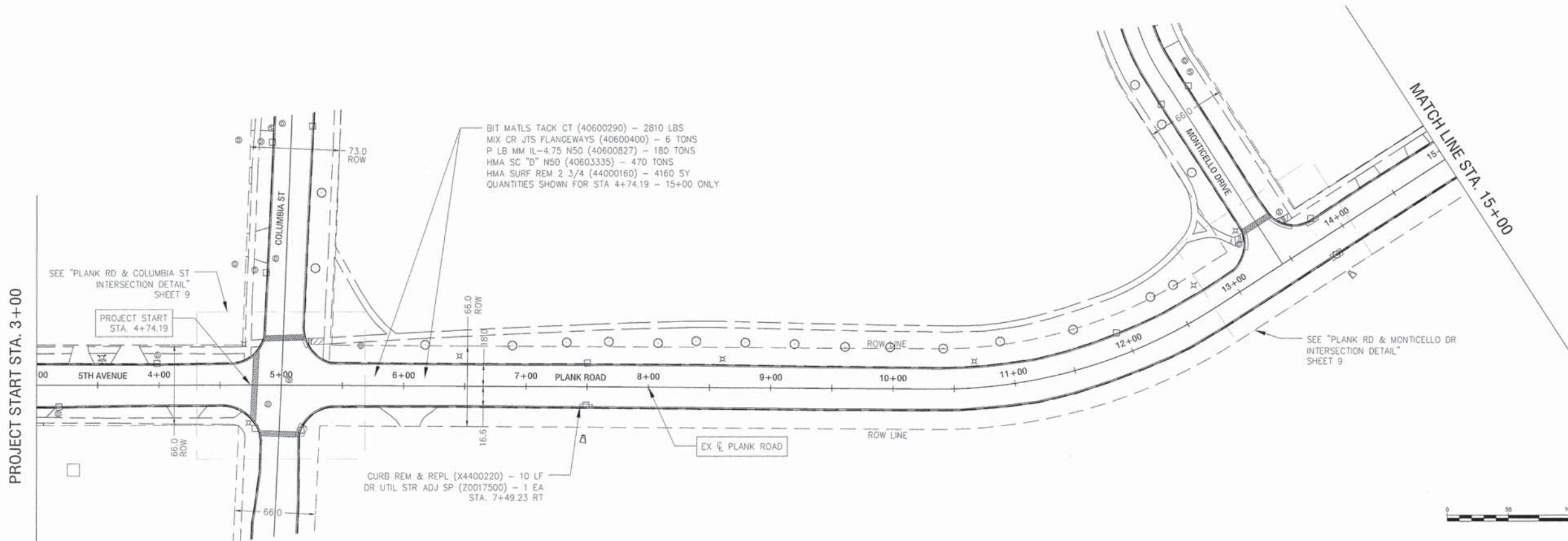
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DATE -	03/14/2016	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLANK ROAD
 TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. -- TO STA. --

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	6
CONTRACT NO. 61C83				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



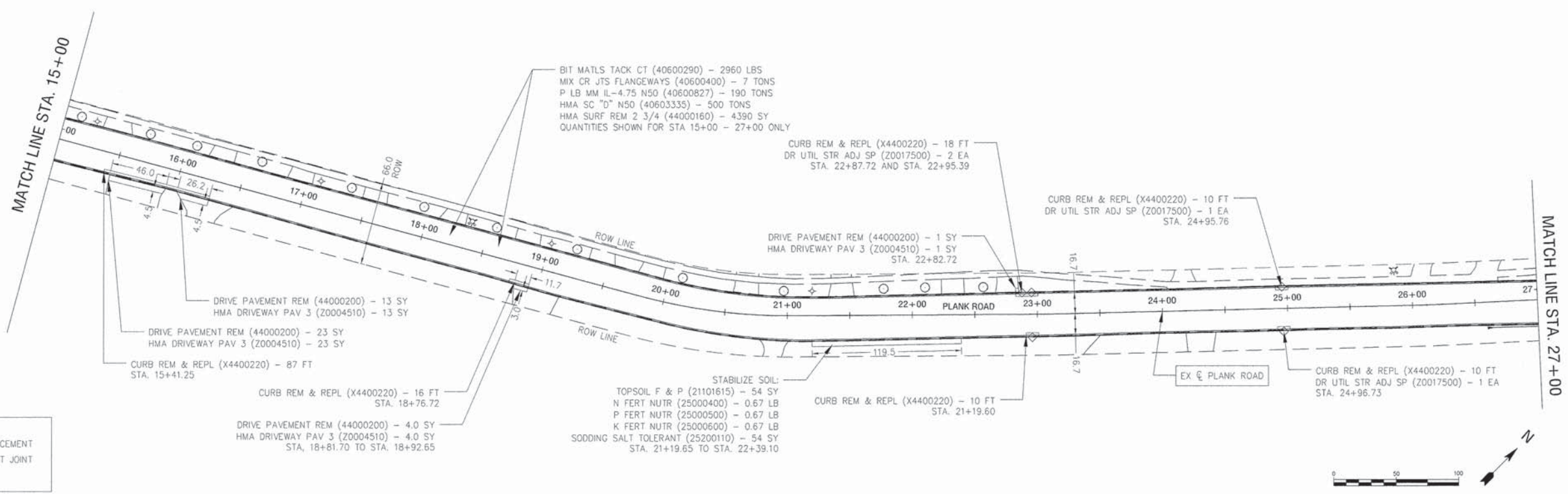
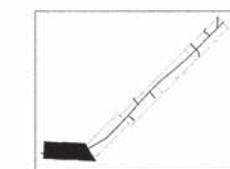
PROJECT START STA. 3+00

SEE "PLANK RD & COLUMBIA ST INTERSECTION DETAIL" SHEET 9
PROJECT START STA. 4+74.19

BIT MATLS TACK CT (40600290) - 2810 LBS
MIX CR JTS FLANGWAYS (40600400) - 6 TONS
P LB MM IL-4.75 N50 (40600827) - 180 TONS
HMA SC "D" N50 (40603335) - 470 TONS
HMA SURF REM 2 3/4 (44000160) - 4160 SY
QUANTITIES SHOWN FOR STA 4+74.19 - 15+00 ONLY

CURB REM & REPL (X4400220) - 10 LF
DR UTIL STR ADJ SP (Z0017500) - 1 EA
STA. 7+49.23 RT

SEE "PLANK RD & MONTICELLO DR INTERSECTION DETAIL" SHEET 9



MATCH LINE STA. 15+00

BIT MATLS TACK CT (40600290) - 2960 LBS
MIX CR JTS FLANGWAYS (40600400) - 7 TONS
P LB MM IL-4.75 N50 (40600827) - 190 TONS
HMA SC "D" N50 (40603335) - 500 TONS
HMA SURF REM 2 3/4 (44000160) - 4390 SY
QUANTITIES SHOWN FOR STA 15+00 - 27+00 ONLY

CURB REM & REPL (X4400220) - 18 FT
DR UTIL STR ADJ SP (Z0017500) - 2 EA
STA. 22+87.72 AND STA. 22+95.39

CURB REM & REPL (X4400220) - 10 FT
DR UTIL STR ADJ SP (Z0017500) - 1 EA
STA. 24+95.76

DRIVE PAVEMENT REM (44000200) - 1 SY
HMA DRIVEWAY PAV 3 (Z0004510) - 1 SY
STA. 22+82.72

DRIVE PAVEMENT REM (44000200) - 13 SY
HMA DRIVEWAY PAV 3 (Z0004510) - 13 SY

DRIVE PAVEMENT REM (44000200) - 23 SY
HMA DRIVEWAY PAV 3 (Z0004510) - 23 SY

CURB REM & REPL (X4400220) - 87 FT
STA. 15+41.25

CURB REM & REPL (X4400220) - 16 FT
STA. 18+76.72

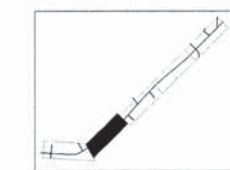
DRIVE PAVEMENT REM (44000200) - 4.0 SY
HMA DRIVEWAY PAV 3 (Z0004510) - 4.0 SY
STA. 18+81.70 TO STA. 18+92.65

STABILIZE SOIL:
TOPSOIL F & P (21101815) - 54 SY
N FERT NUTR (25000400) - 0.67 LB
P FERT NUTR (25000500) - 0.67 LB
K FERT NUTR (25000600) - 0.67 LB
SODDING SALT TOLERANT (25200110) - 54 SY
STA. 21+19.65 TO STA. 22+39.10

CURB REM & REPL (X4400220) - 10 FT
STA. 21+19.60

CURB REM & REPL (X4400220) - 10 FT
DR UTIL STR ADJ SP (Z0017500) - 1 EA
STA. 24+96.73

MATCH LINE STA. 27+00



LEGEND:

	SIDEWALK REMOVAL AND REPLACEMENT
	HMA SURFACE REMOVAL - BUTT JOINT
	DETECTABLE WARNINGS

- NOTES:
- THE LOCATION OF PAVEMENT PATCHING WILL BE DETERMINED IN THE FIELD, DURING CONSTRUCTION, BY THE RESIDENT ENGINEER.

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CHECKED -	PJZ	REVISED -	
DATE -	03/14/2016	REVISED -	

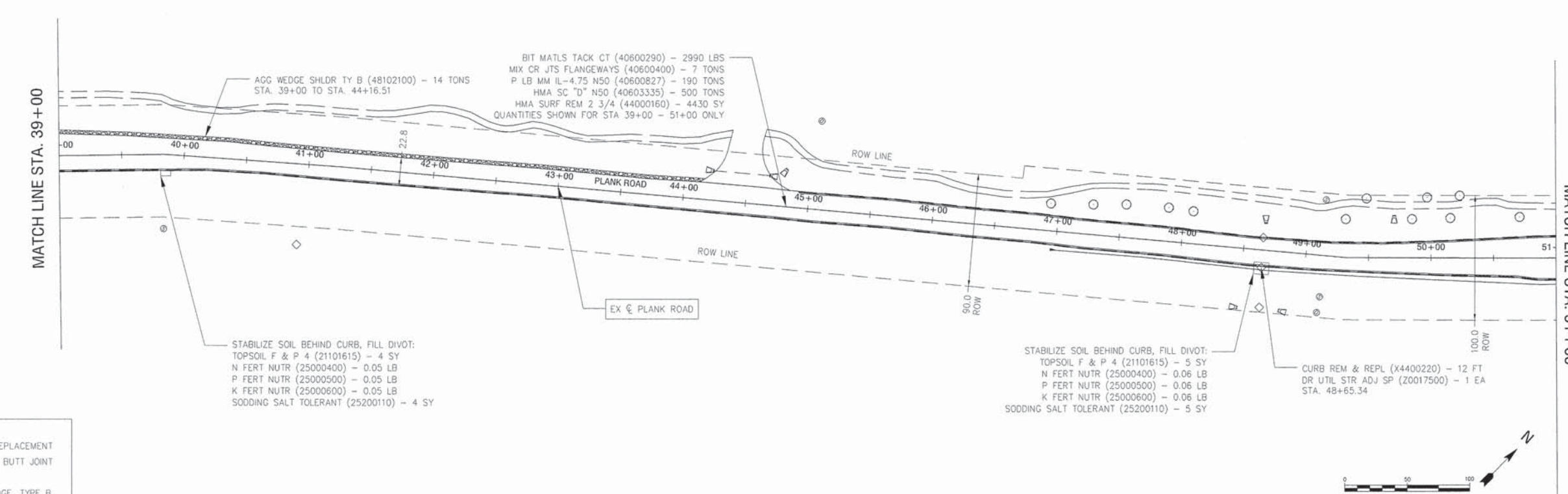
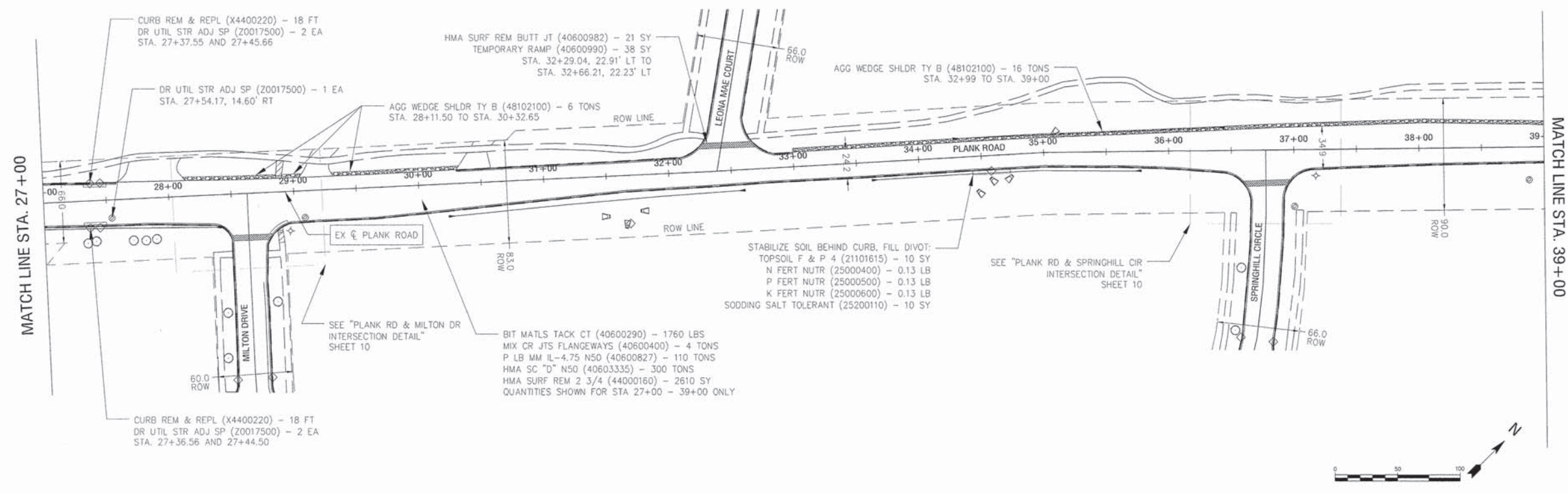
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANK ROAD
PROPOSED ROADWAY PLAN

SCALE: 1" = 50 FT SHEET NO. 1 OF 4 SHEETS STA. 3+00 TO STA. 27+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	7
CONTRACT NO. 61C83				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = 05-RdwyPlans_PlankLATO.dwg



LEGEND:

- SIDEWALK REMOVAL AND REPLACEMENT
- HMA SURFACE REMOVAL - BUTT JOINT
- DETECTABLE WARNINGS
- AGGREGATE SHOULDER WEDGE, TYPE B

NOTES:

1. THE LOCATION OF PAVEMENT PATCHING WILL BE DETERMINED IN THE FIELD, DURING CONSTRUCTION, BY THE RESIDENT ENGINEER.

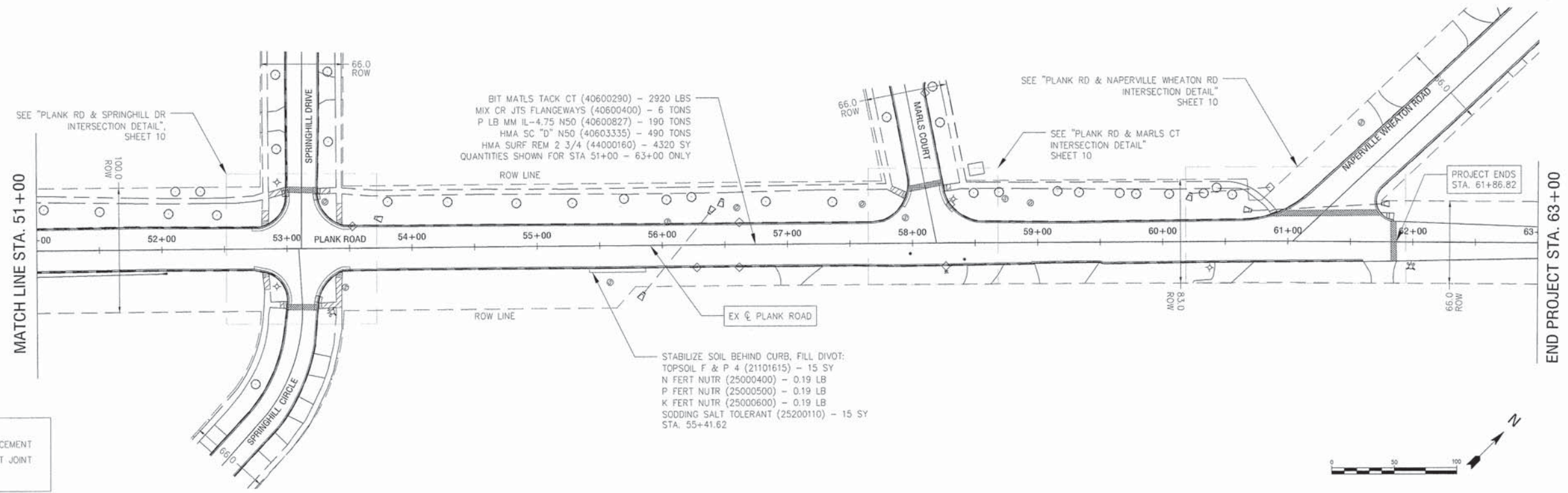
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DATE -	03/14/2016	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLANK ROAD
PROPOSED ROADWAY PLAN**

SCALE: 1" = 50 FT	SHEET NO. 2 OF 4 SHEETS	STA. 27+00 TO STA. 51+00	F.A.U. RTE. 3830	SECTION 16-00165-00-RS	COUNTY DUPAGE	TOTAL SHEETS 21	SHEET NO. 8
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
			CONTRACT NO. 61C83				

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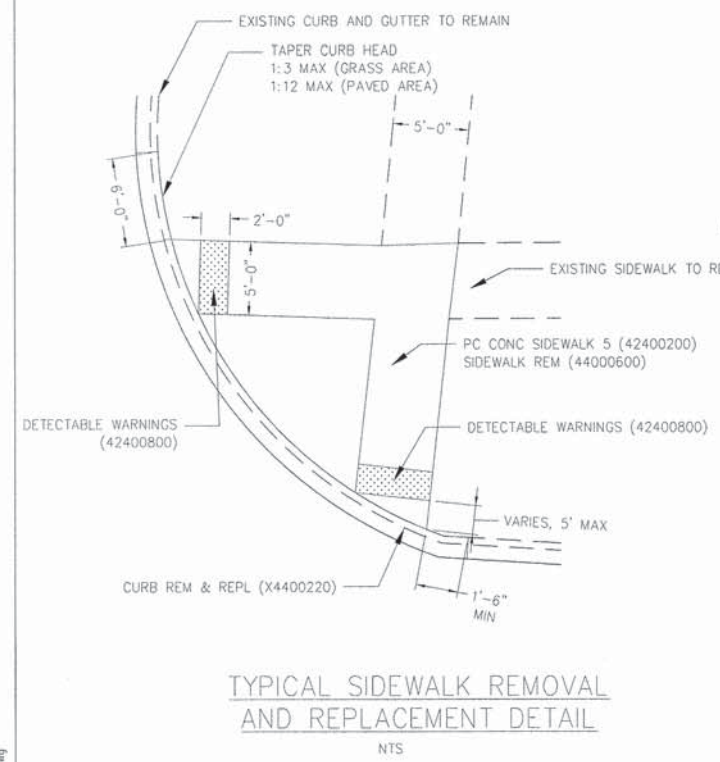


LEGEND:

- SIDEWALK REMOVAL AND REPLACEMENT
- HMA SURFACE REMOVAL - BUTT JOINT
- DETECTABLE WARNINGS

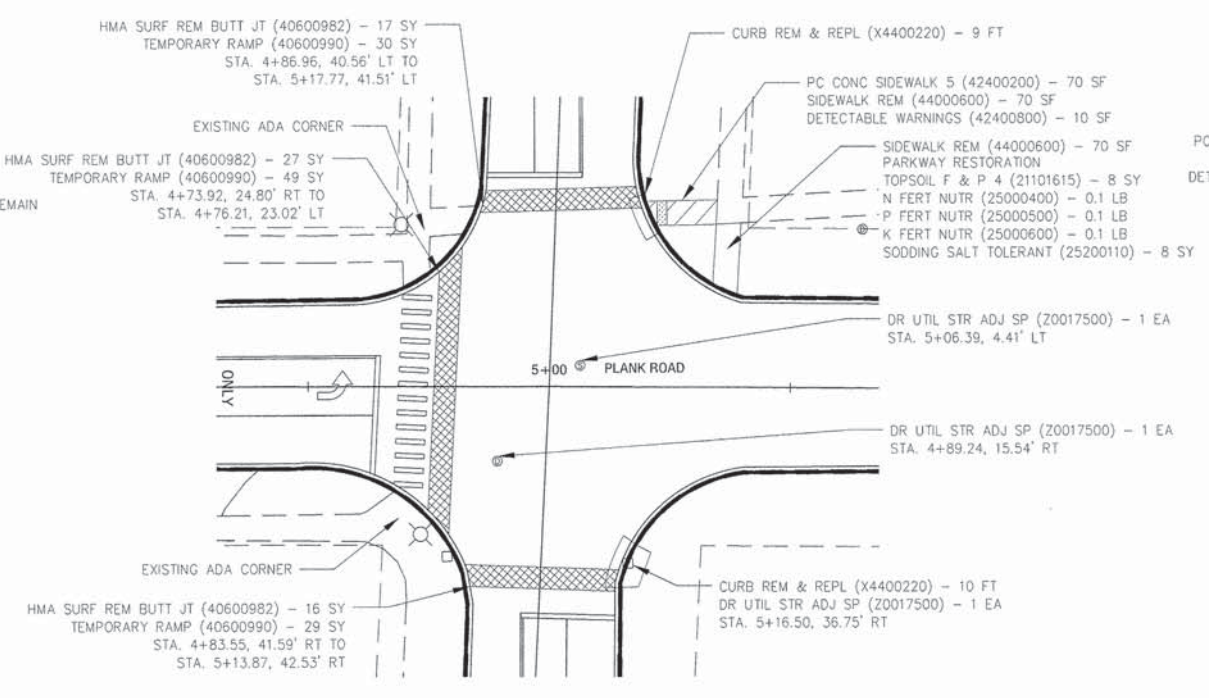
NOTES:

- THE LOCATION OF PAVEMENT PATCHING WILL BE DETERMINED IN THE FIELD, DURING CONSTRUCTION, BY THE RESIDENT ENGINEER.



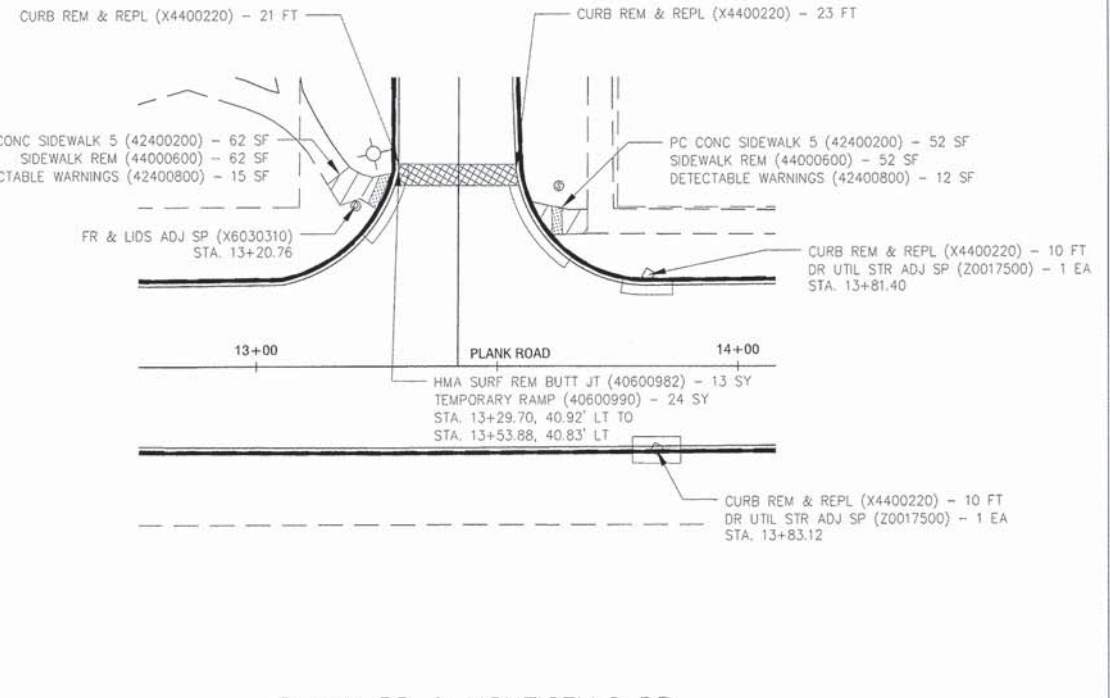
TYPICAL SIDEWALK REMOVAL AND REPLACEMENT DETAIL

SEE IDOT STANDARDS 424001, 424006, 424011, 424016, AND 424021 FOR ADDITIONAL DETAILS. QUANTITIES SHOWN ON ROADWAY PLANS OR INTERSECTION DETAILS. LIMITS OF REMOVAL AND REPLACEMENT VARY BY LOCATION.



PLANK RD & COLUMBIA AVE INTERSECTION DETAIL

SCALE: 1" = 20'



PLANK RD & MONTICELLO DR INTERSECTION DETAIL

SCALE: 1" = 20'

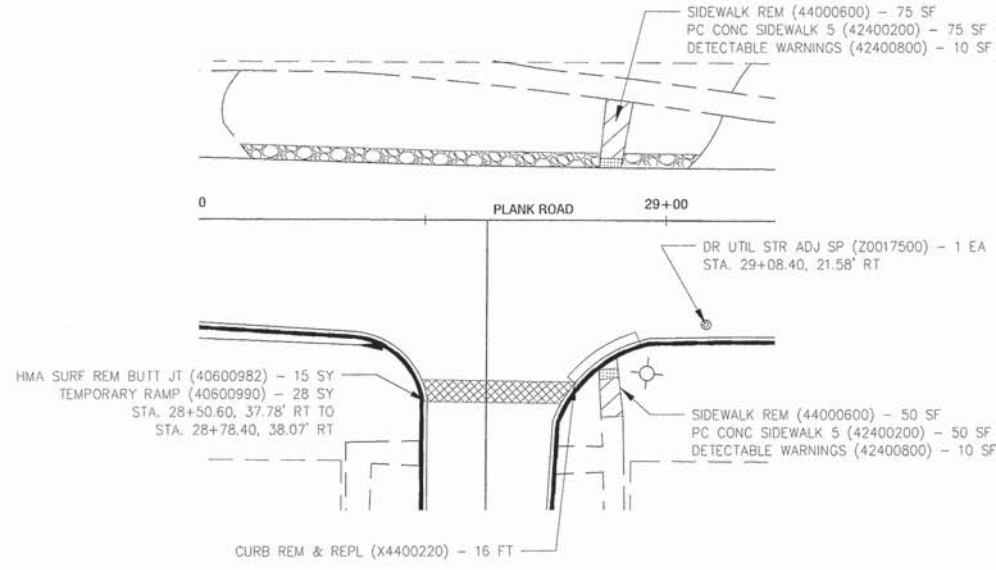
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DATE	-	03/14/2016	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

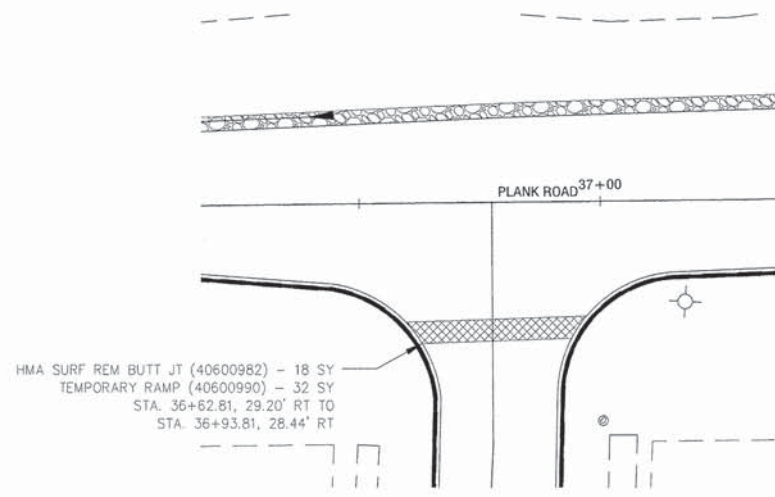
PLANK ROAD PROPOSED ROADWAY PLAN	
SCALE: 1" = 50 FT	SHEET NO. 3 OF 4 SHEETS
STA. 51+00	TO STA. 63+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	9
CONTRACT NO. 61C83				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



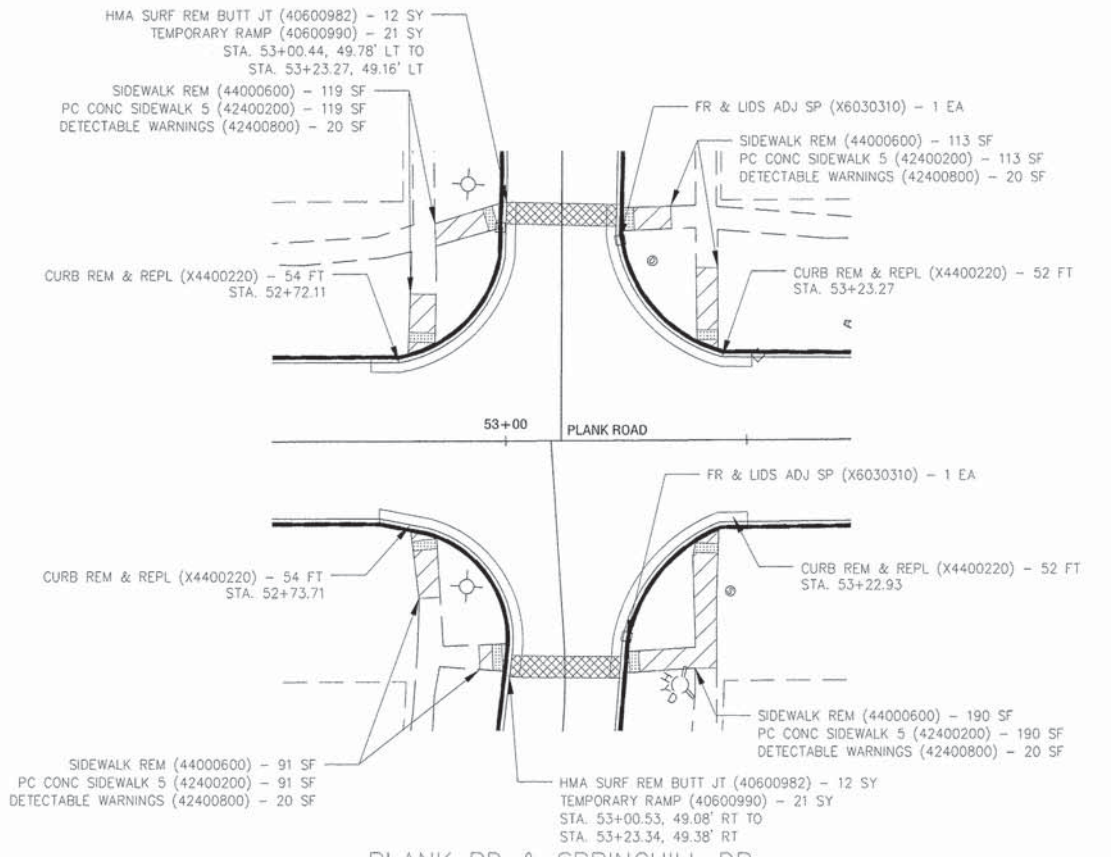
PLANK RD & MILTON DR
INTERSECTION DETAIL

SCALE: 1" = 20'



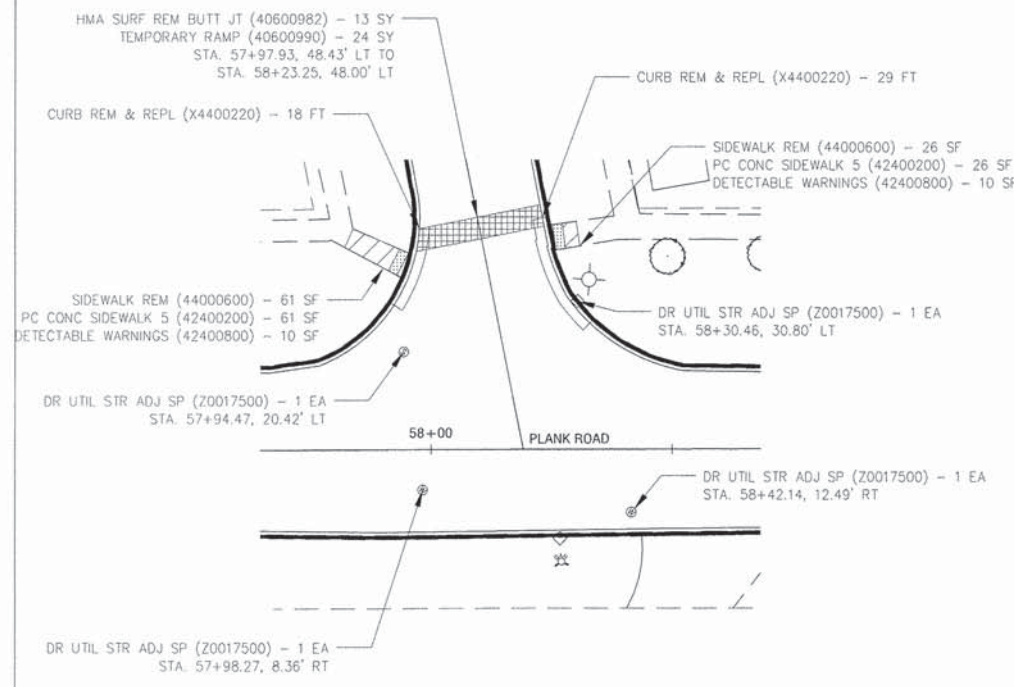
PLANK ROAD & SPRINGHILL CIR
INTERSECTION DETAIL

SCALE: 1" = 20'



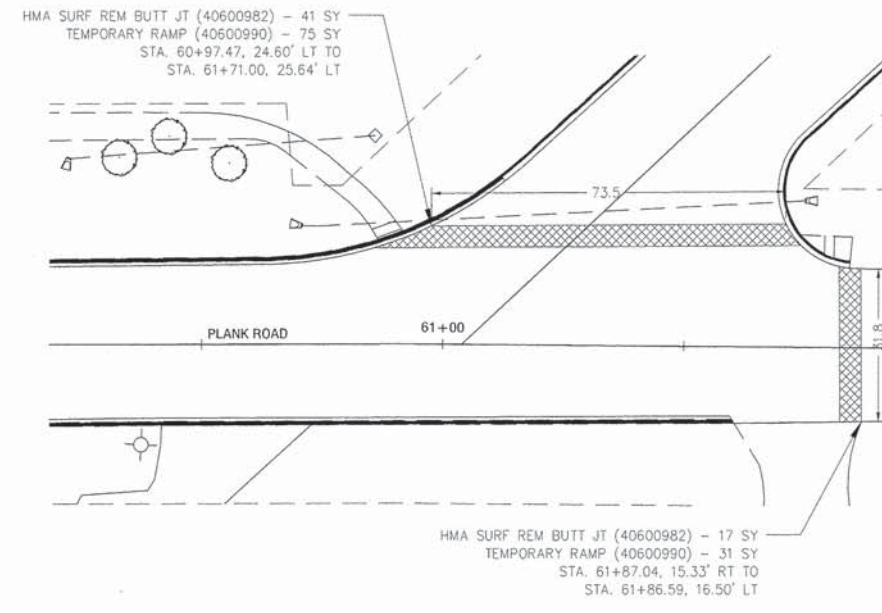
PLANK RD & SPRINGHILL DR
INTERSECTION DETAIL

SCALE: 1" = 20'



PLANK RD & MARLS CT
INTERSECTION DETAIL

SCALE: 1" = 20'



PLANK RD & NAPERVILLE WHEATON RD
INTERSECTION DETAIL

SCALE: 1" = 20'

LEGEND:	
	SIDEWALK REMOVAL AND REPLACEMENT
	HMA SURFACE REMOVAL - BUTT JOINT
	DETECTABLE WARNINGS

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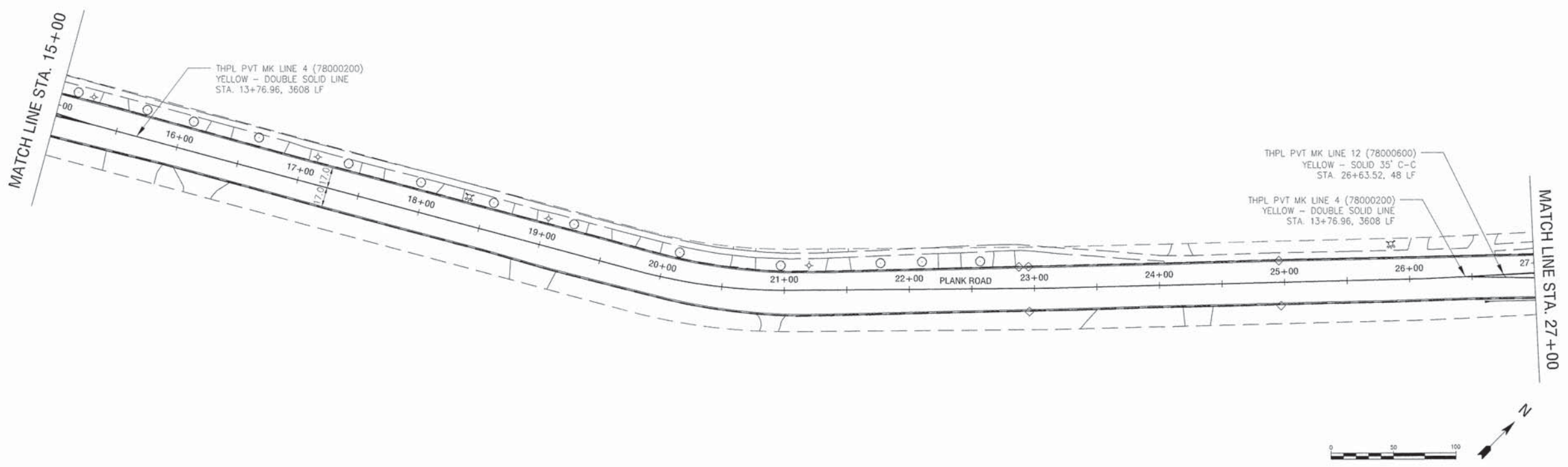
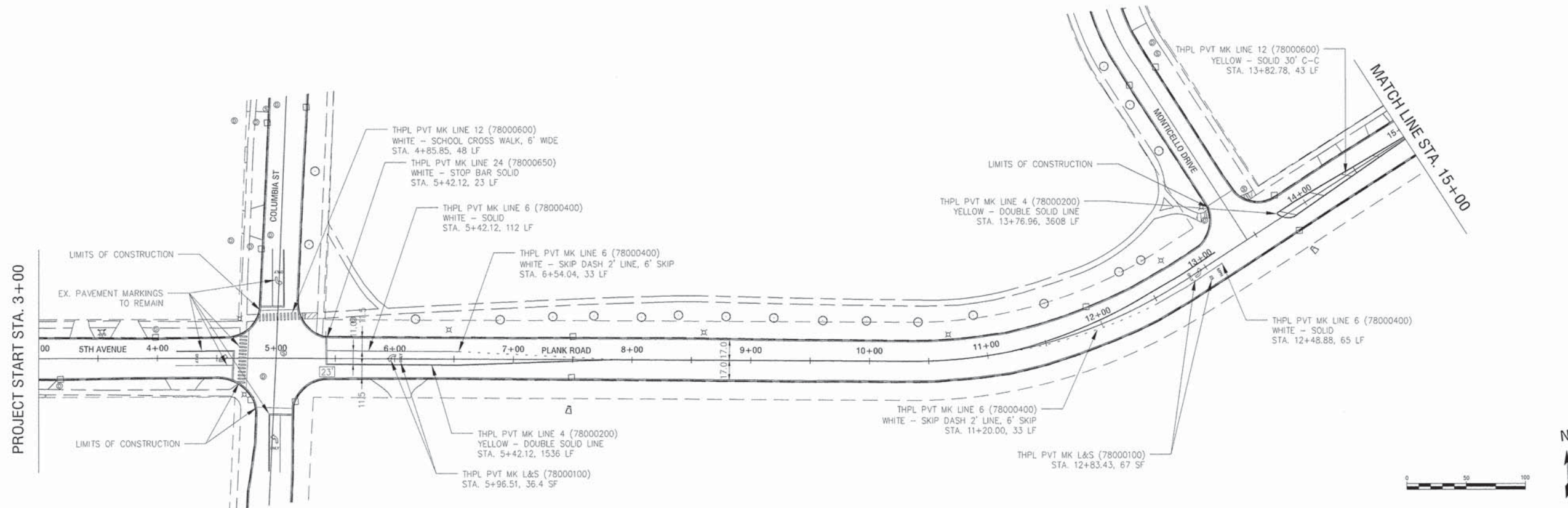
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CHECKED	- PJZ	REVISED	-
DATE	- 03/14/2016	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANK ROAD
PROPOSED ROADWAY PLAN

SCALE: 1" = 20 FT SHEET NO. 4 OF 4 SHEETS STA. VARIOUS TO STA. VARIOUS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C83	



- NOTES:
- 1) SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR GUIDANCE
 - 2) [12] DENOTES STOP BAR LENGTH
 - 3) ALL DIMENSIONS AND LAYOUT TO BE VERIFIED BY CONTRACTOR PRIOR TO REMOVAL OF EXISTING PAVEMENT MARKINGS OR SURFACE COURSE.

FILE NAME: 05-RoadPlans_PlanLAF0.dwg

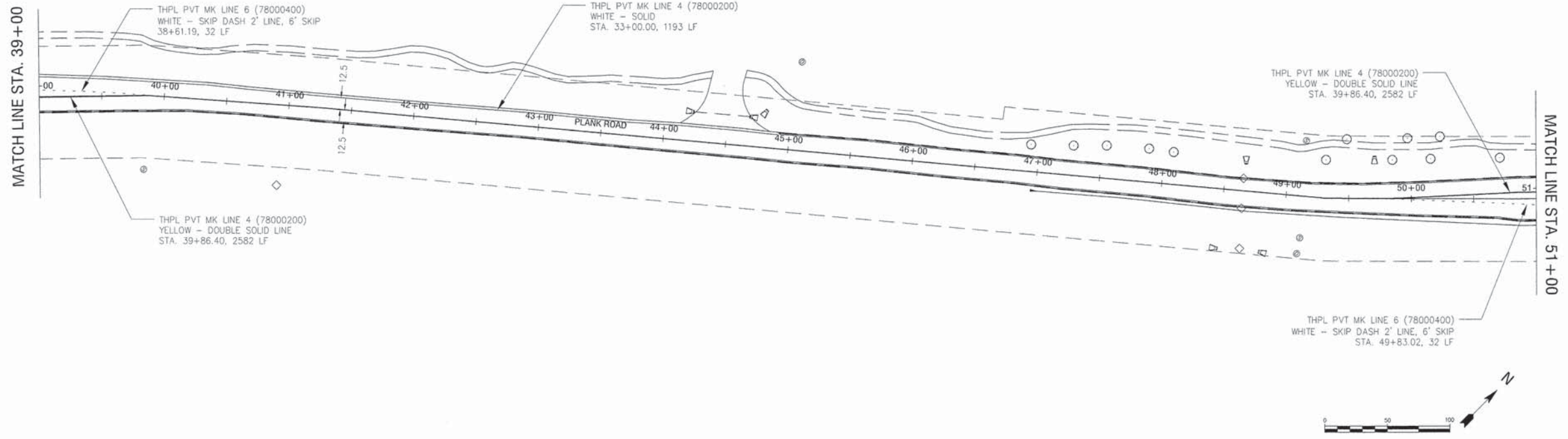
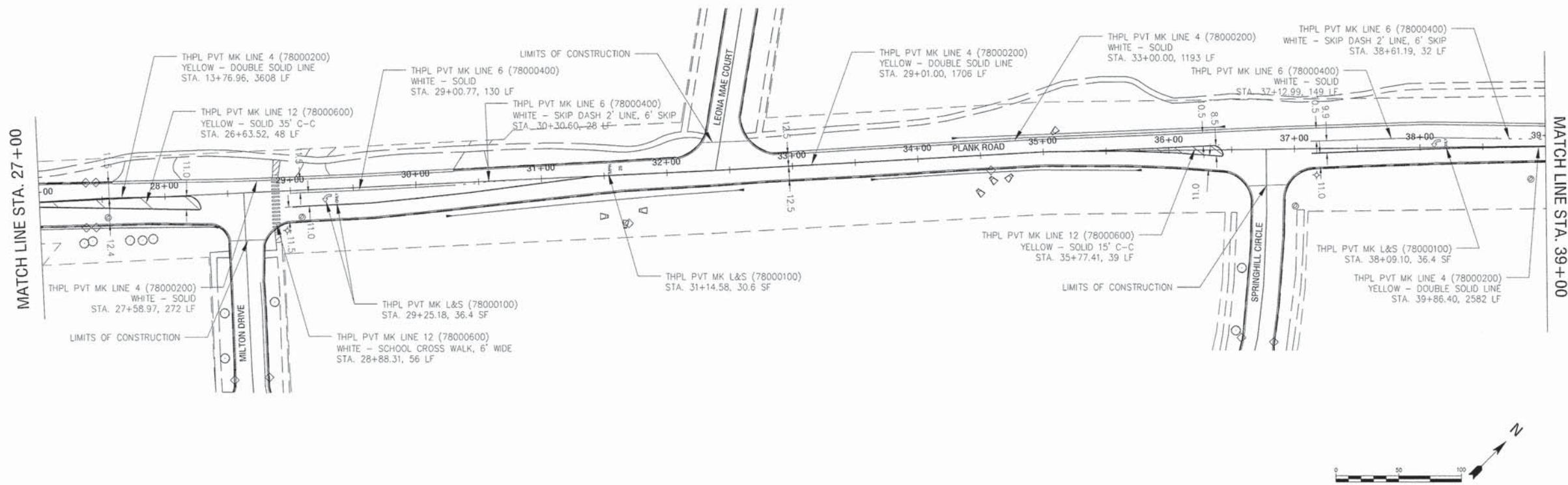
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CHECKED	-	PJZ	REVISED	-
DATE	-	03/14/2016	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLANK ROAD
PAVEMENT MARKING PLAN**

SCALE: 1" = 50 FT SHEET NO. 1 OF 3 SHEETS STA. 3+00 TO STA. 27+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	11
CONTRACT NO. 61C83				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:
- 1) SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR GUIDANCE
 - 2) [12] DENOTES STOP BAR LENGTH
 - 3) ALL DIMENSIONS AND LAYOUT TO BE VERIFIED BY CONTRACTOR PRIOR TO REMOVAL OF EXISTING PAVEMENT MARKINGS OR SURFACE COURSE.

FILE NAME = 05-RoadPlans_Plank_MKO.dwg

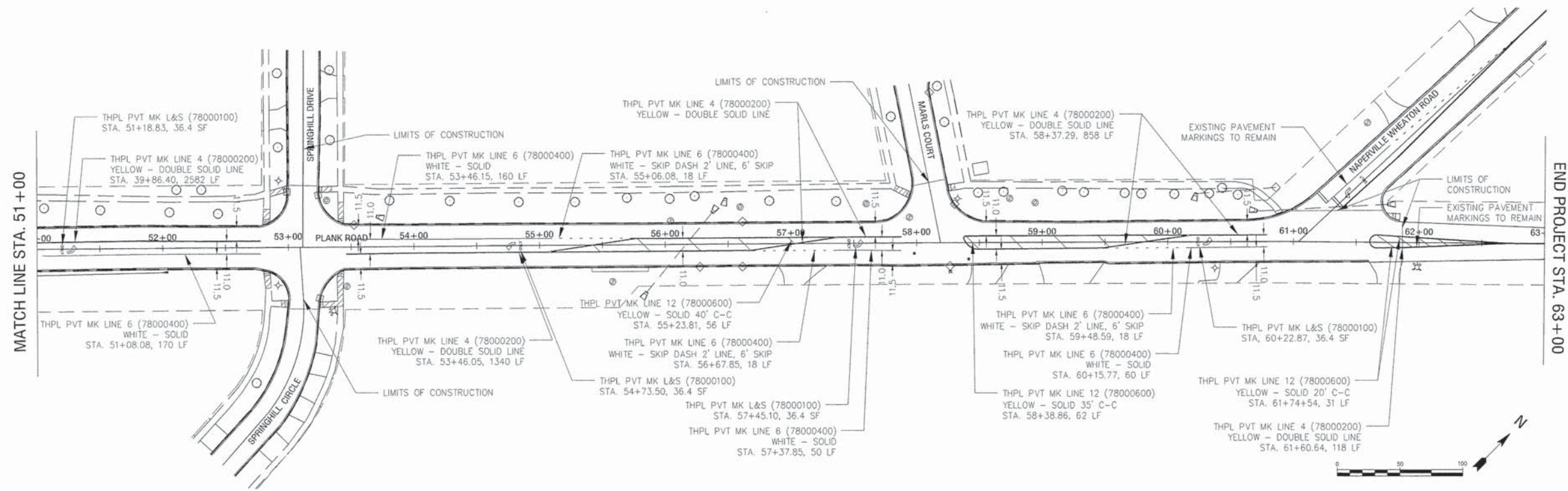
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DRAWN	-	CLN	REVISED	-
CHECKED	-	PJZ	REVISED	-
DATE	-	03/14/2016	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLANK ROAD
PAVEMENT MARKING PLAN**

SCALE: 1" = 50 FT SHEET NO. 2 OF 3 SHEETS STA. 27+00 TO STA. 51+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	12
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 61CB3	



- NOTES:
- 1) SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR GUIDANCE
 - 2) 12 DENOTES STOP BAR LENGTH
 - 3) ALL DIMENSIONS AND LAYOUT TO BE VERIFIED BY CONTRACTOR PRIOR TO REMOVAL OF EXISTING PAVEMENT MARKINGS OR SURFACE COURSE.

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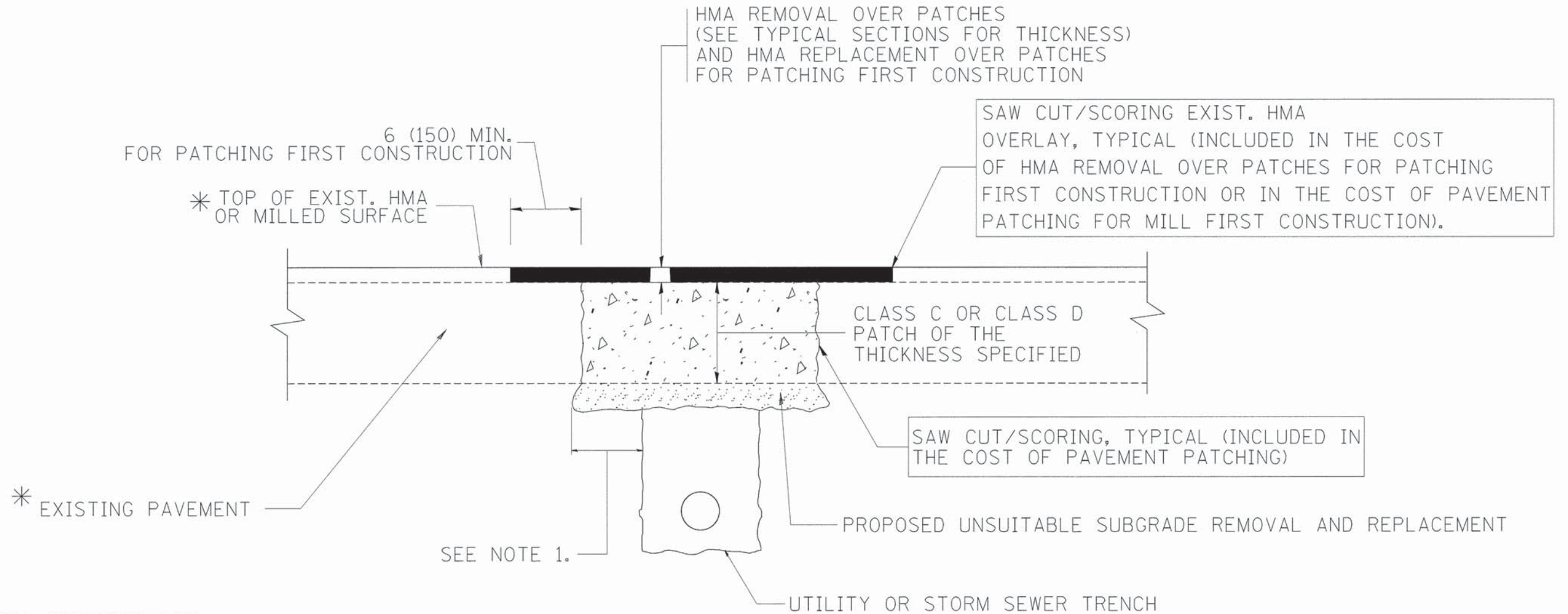
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DATE	-	03/14/2016	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLANK ROAD
PAVEMENT MARKING PLAN**

SCALE: 1" = 50 FT SHEET NO. 3 OF 3 SHEETS STA. 51+00 TO STA. 63+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	13
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C83	



* 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 = c:\projects\diststd22x34\bd22.dgn	USER NAME = beverd	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.U. RTE. 3830	SECTION 16-00165-00-RS	COUNTY DUPAGE	TOTAL SHEETS 21	SHEET NO. 15
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07					BD400-04 (BD-22)				
	PLOT DATE = 10/27/2008	DATE = 10-25-94	REVISED - K. ENG 10-27-08					CONTRACT NO. 61C83				
					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).

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.)

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

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

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

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

* 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.

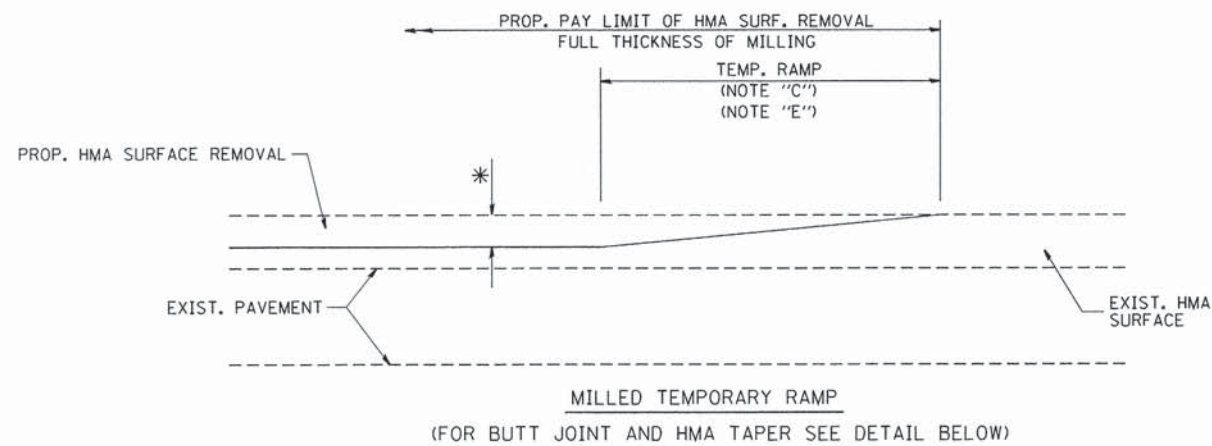
BASIS OF PAYMENT:

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".

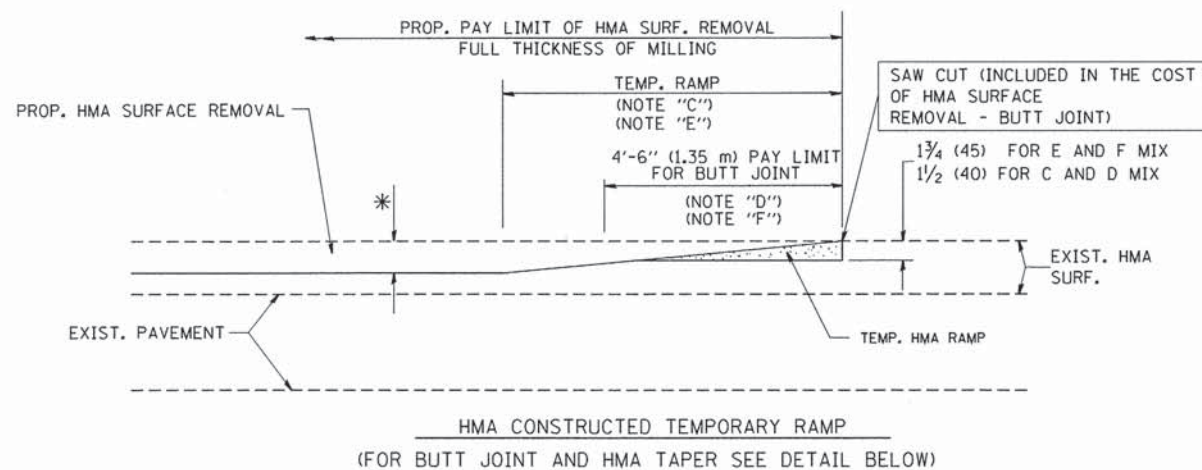
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

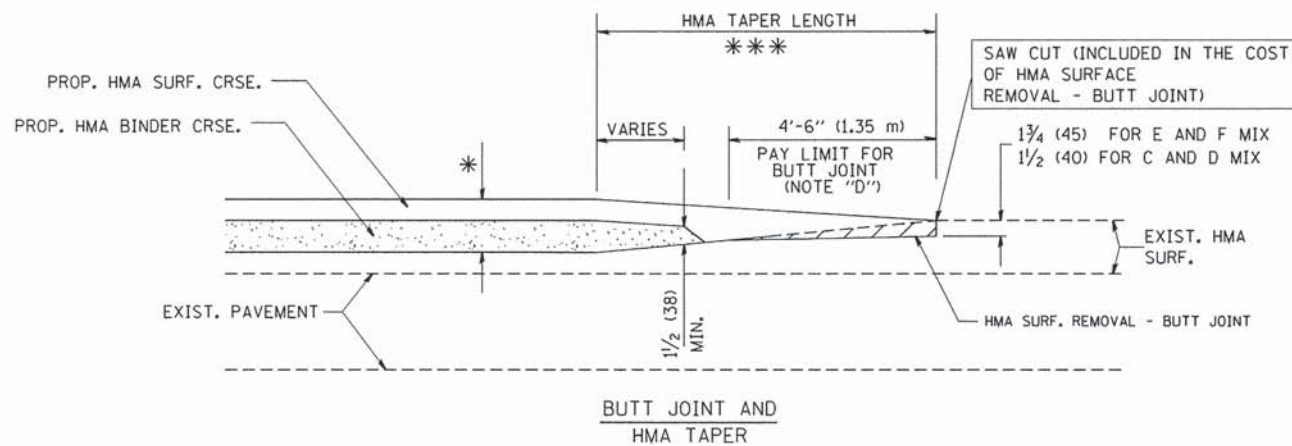
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	PLOT SCALE = 50.000 * / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09									



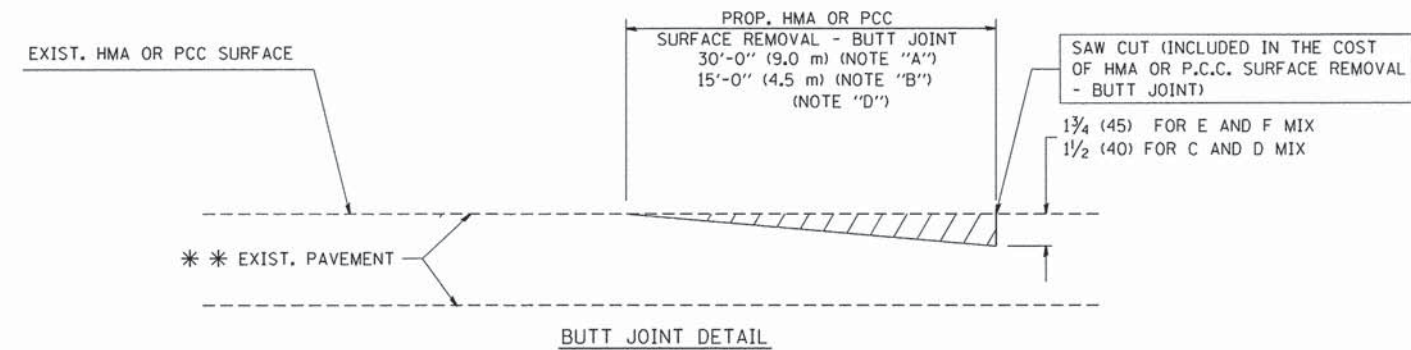
OPTION 1



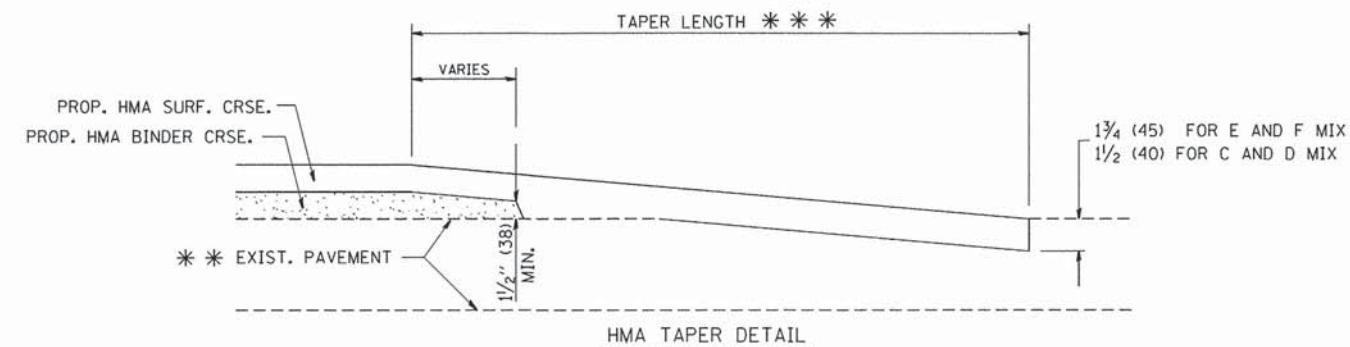
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



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.

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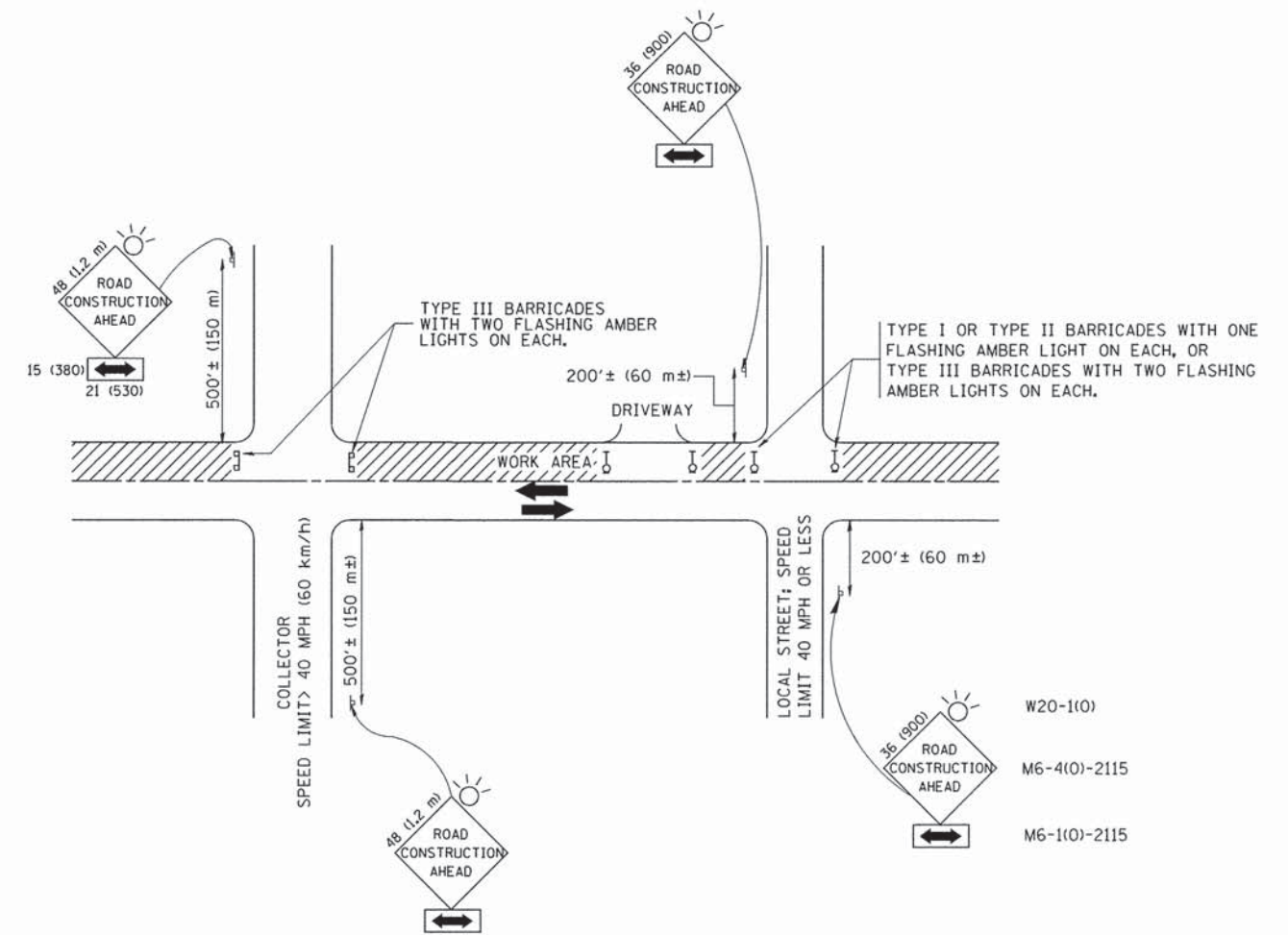
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PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R. BORO 01-01-07

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.U. RTE. 3830	SECTION 16-00165-00-RS	COUNTY DUPAGE	TOTAL SHEETS 21	SHEET NO. 17
BD400-05 BD32		CONTRACT NO. 61C83		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

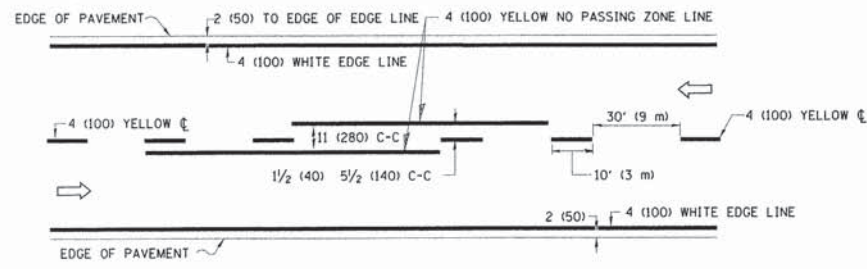
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN 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. 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).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

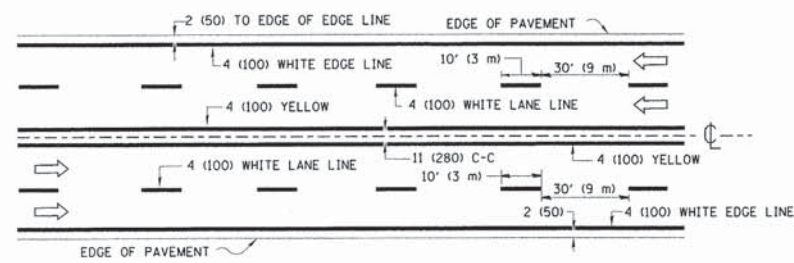
 - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
 - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

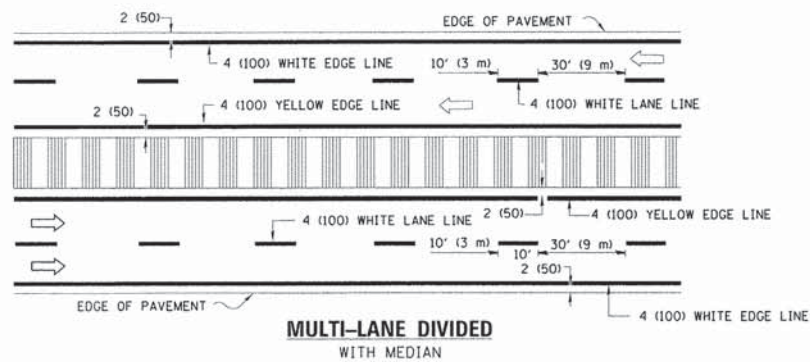
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PLOT DATE = 1/4/2008	DATE = 06-89	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



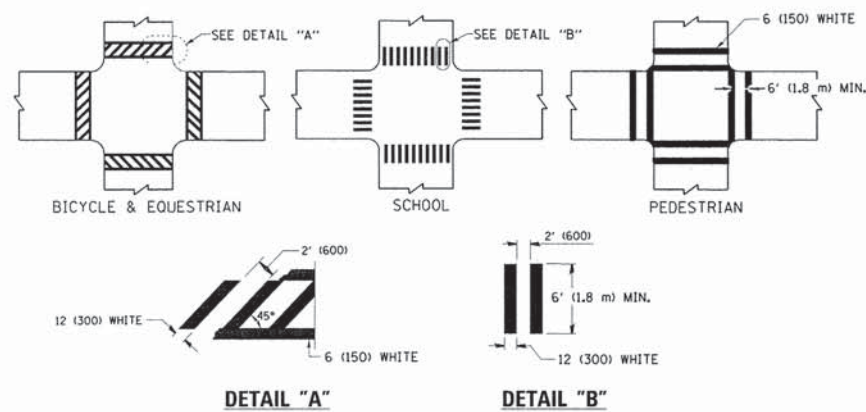
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

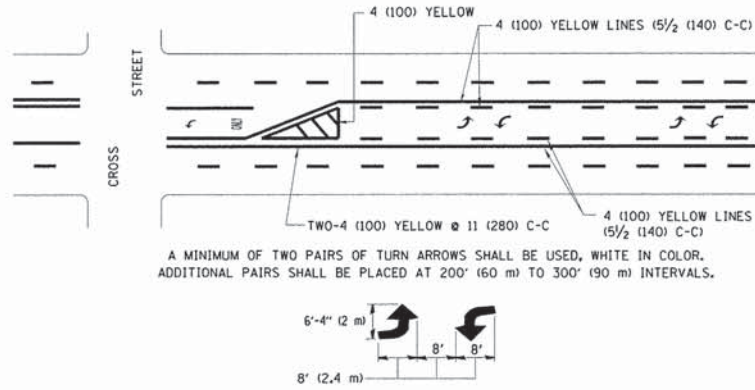
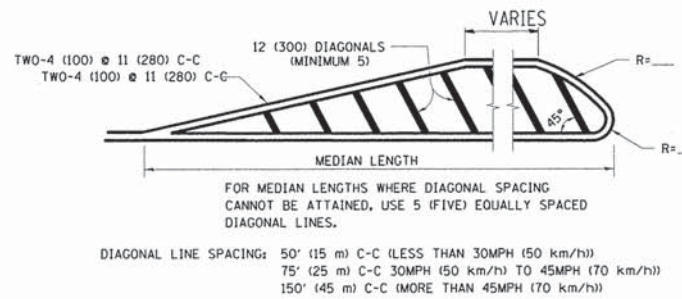
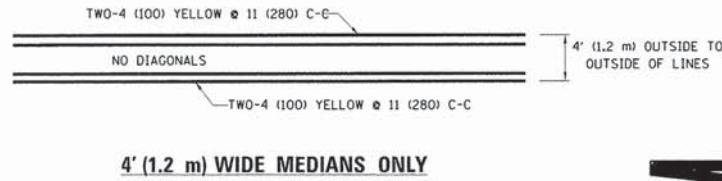


TYPICAL LANE AND EDGE LINE MARKING

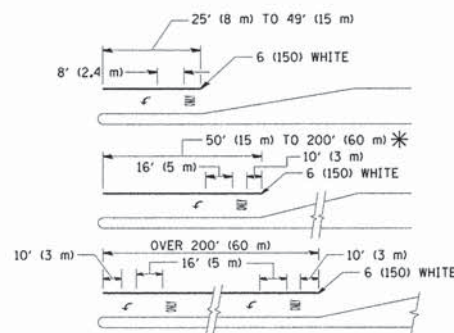


TYPICAL CROSSWALK MARKING

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



TYPICAL PAINTED MEDIAN MARKING

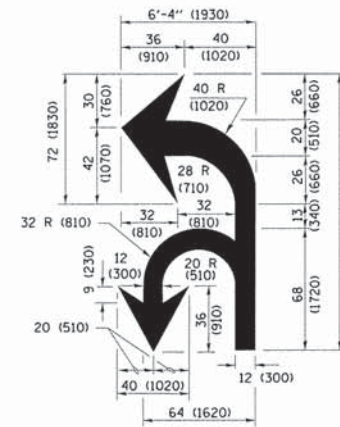
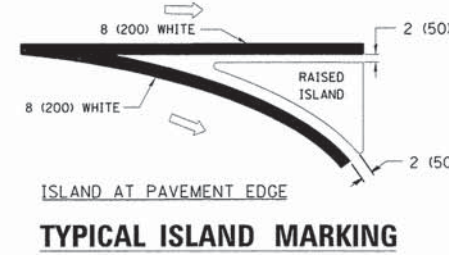
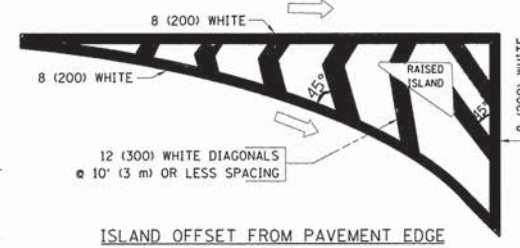


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

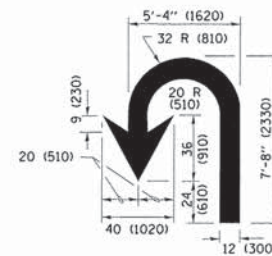
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



COMBINATION LEFT AND 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	5/2 (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; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE 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.

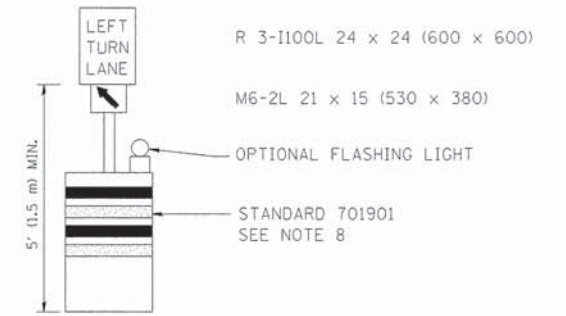
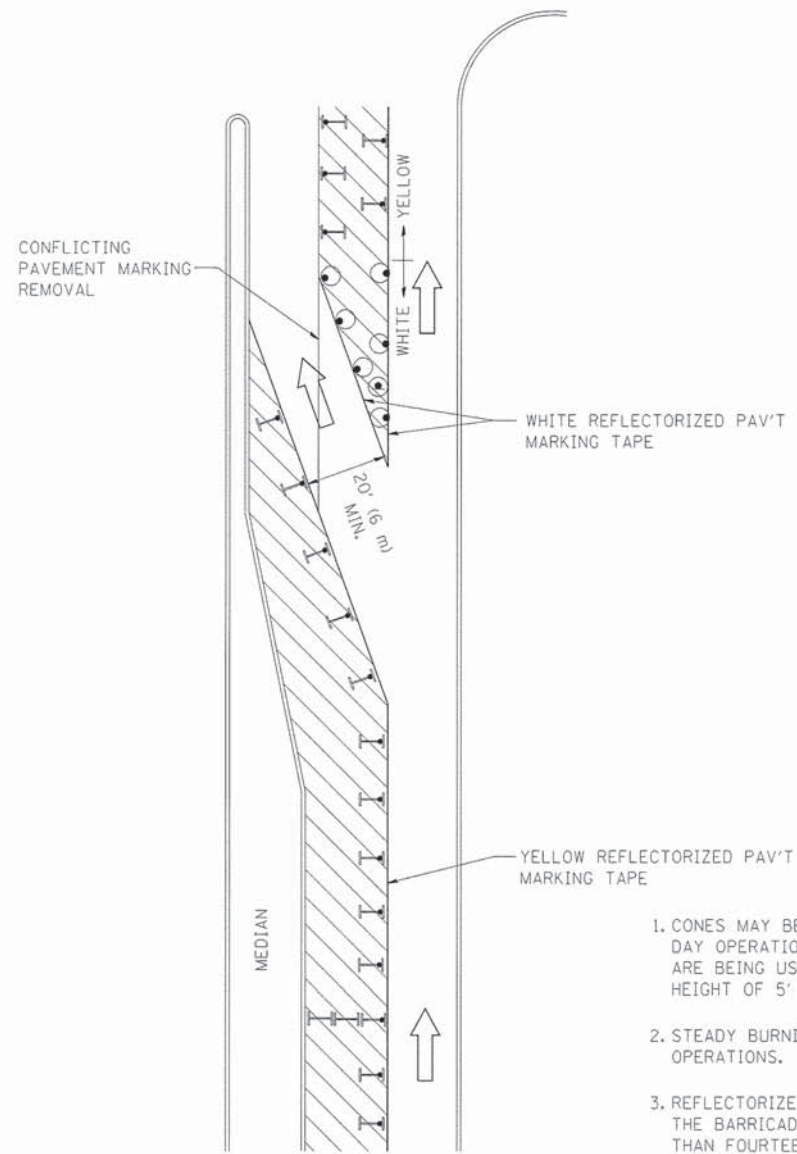
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	19
TC-13				CONTRACT NO. 61C83
ILLINOIS FED. AID PROJECT				









GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

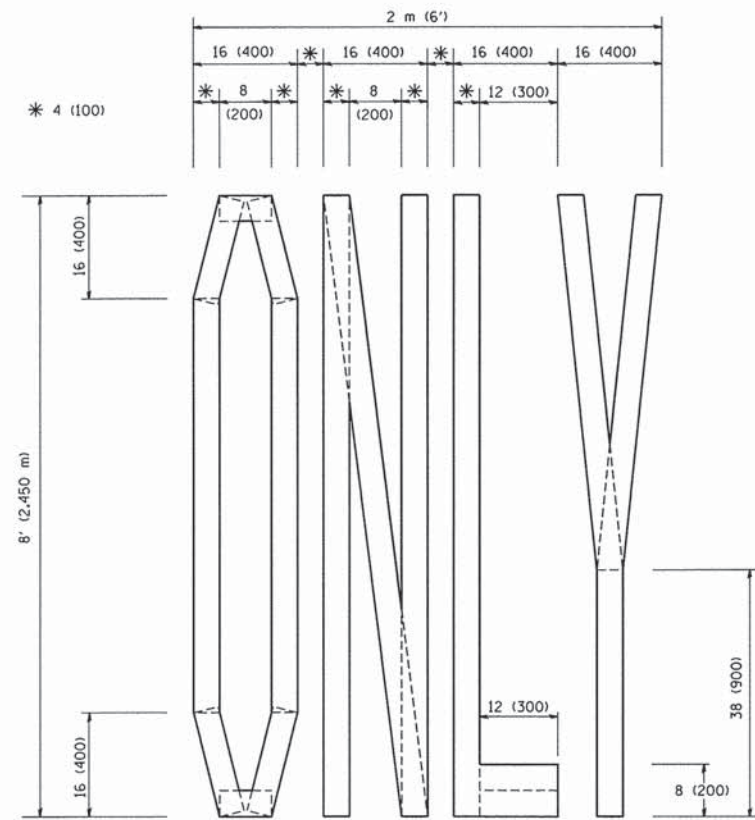
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

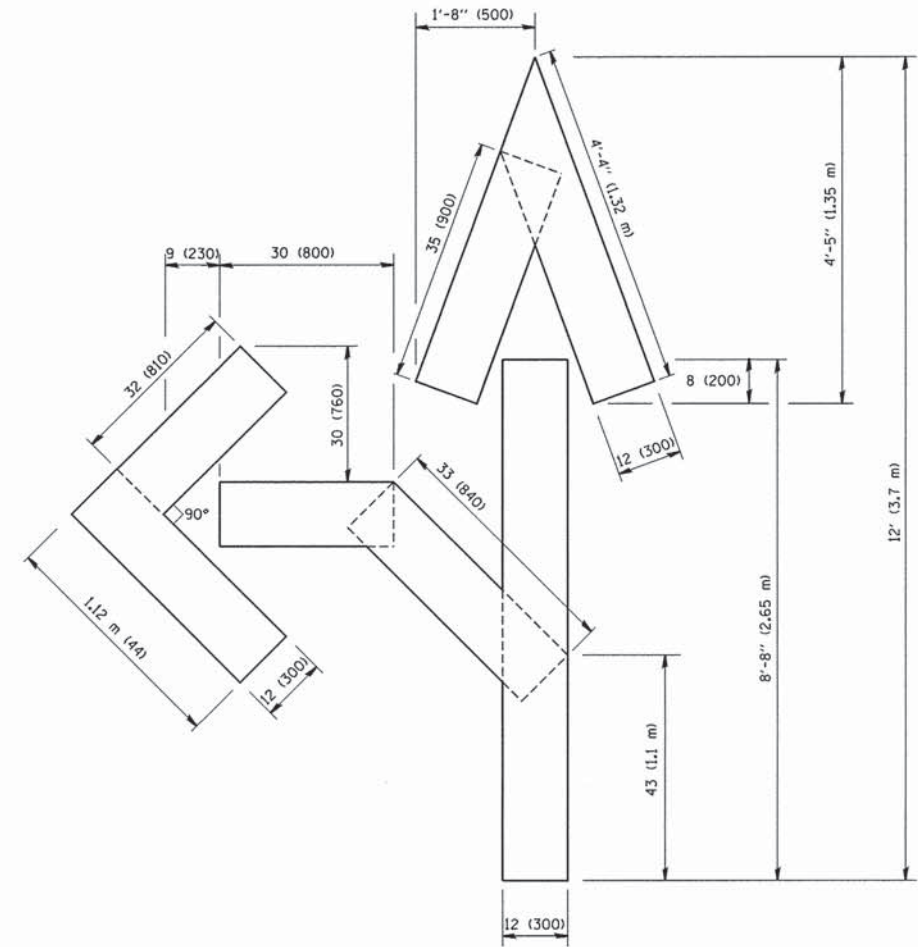
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	PLOT DATE = 9/14/2009	REVISED -T. RAMMACHER 01-06-00	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3830	16-00165-00-RS	DUPAGE	21	20
TC-14		CONTRACT NO. 61C83		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

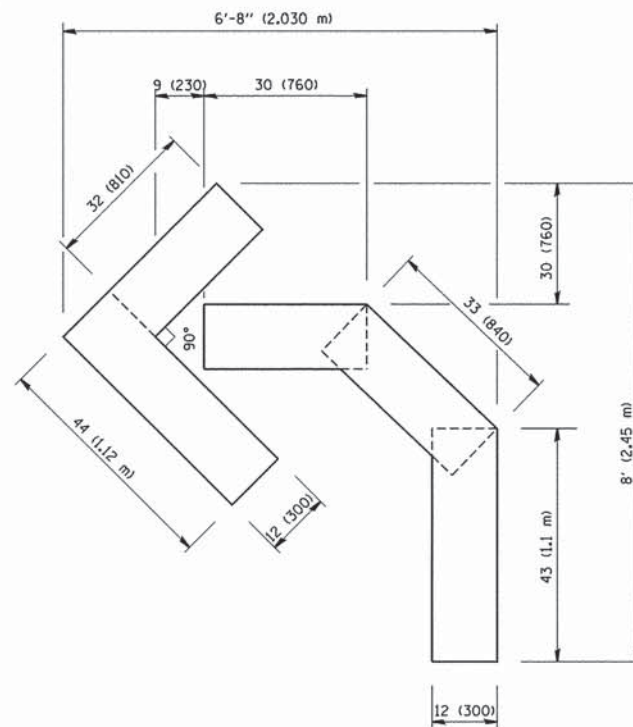
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

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		DRAWN -	REVISED -T. RAMMACHER 11-04-97
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	PLOT DATE = 1/4/2000	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A.U. RTE. 3830	SECTION 16-00165-00-RS	COUNTY DUPAGE	TOTAL SHEETS 21	SHEET NO. 21
TC-16		CONTRACT NO. 61C83		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				