

INDEX OF SHEETS: 06-11-2021 LETTING ITEM 112

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

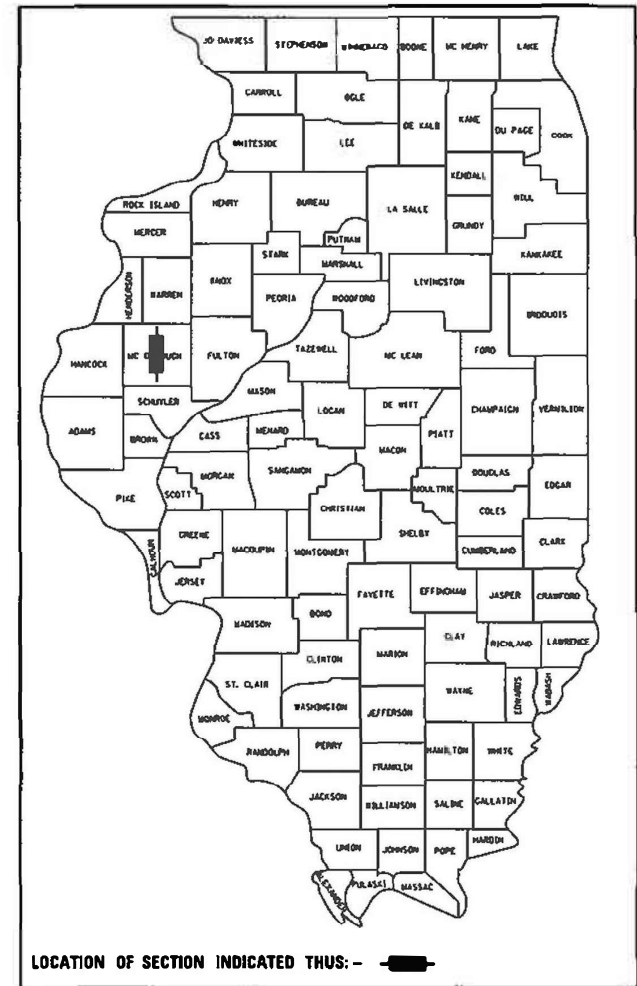
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 310 (US 67)
SECTION 39RS-10;40RS-8;41RS-7
RESURFACING
MCDONOUGH COUNTY

C-94-033-21

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	1
		ILLINOIS	CONTRACT NO. 68G16	

D-94-018-21



HIGHWAY STANDARDS

442201-03	701306-04
630001-12	701311-03
631031-17	701336-07
667101-02	701901-08
701201-05	781001-04
701301-04	782006-01

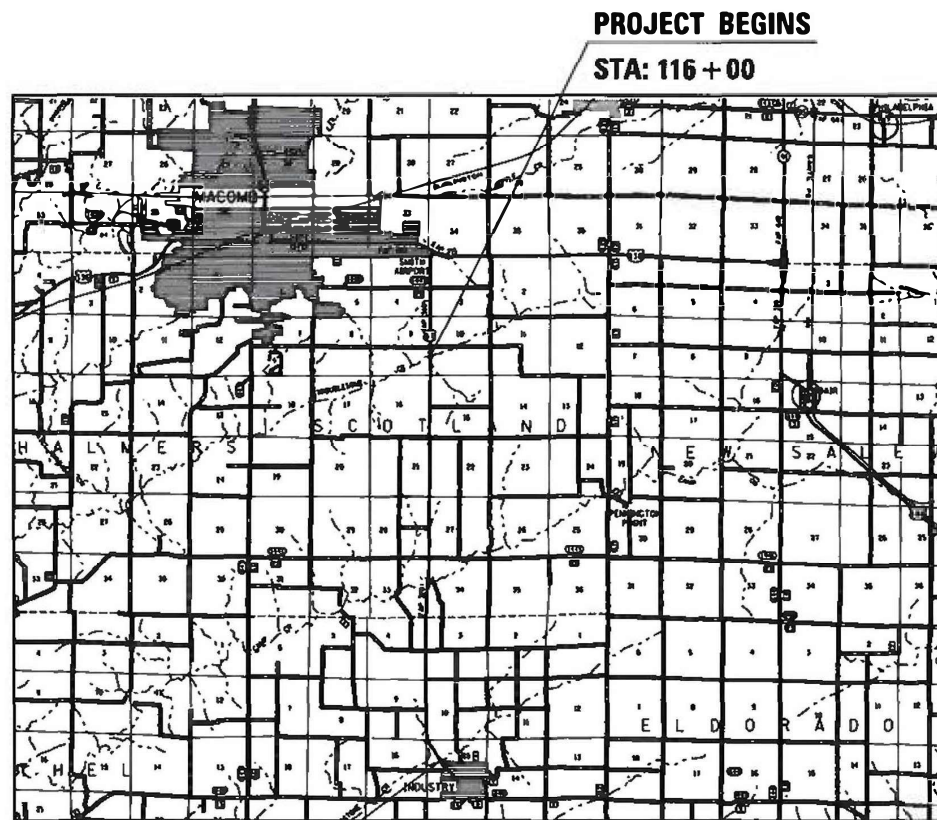
ADT: 2,700	(2019)
HCV: 480	(17.78%)
SU: 230	(8.52%)
MU: 250	(9.26%)



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: RICH DOTSON (309)671-3455
PROJECT MANAGER: MICHAEL JACOBS (309)671-3460
CATALOG NO. 036148-00D
CONTRACT NO. 68G16



PROJECT BEGINS
STA: 116 + 00

PROJECT ENDS
STA: 453 + 41

GROSS LENGTH = 33,741 FT. = 6.39 MILE
NET LENGTH = 33,677 FT. = 6.38 MILE

DESCRIPTION
RESURFACING ON US 67, NORTH OF
INDUSTRY FROM 2.2 MILES SOUTH
OF US 136 TO GRINDSTONE CREEK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 25, 2021
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7, 2021 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

NO COMMITMENTS HAVE BEEN MADE ON THIS PROJECT.

GENERAL NOTES:

CROSSING EXISTING STRUCTURES WITH EQUIPMENT

The following structures: SN 055-0005, SN 055-0006, SN 055-0049, may be crossed with the empty MTD with a maximum gross weight of 40 tons per bridge.

Any structures not listed above shall be verified by the resident prior to beginning work.

PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

NO PASSING ZONE VERIFICATION

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

CONSECUTIVE SIDE STREET (ROAD) CLOSURE – PROHIBITED

1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).
2. Adjacent side roads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and /or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Cultural and Natural Resource Review of Borrow Areas)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form-D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required waste site environmental clearances and six weeks for the required borrow site environmental clearances.

AGGREGATE FOR DRIVEWAY REPLACEMENT

The material used for construction of permanent aggregate driveways shall be gravel or crushed stone, as directed by the Engineer, to replace in kind the existing aggregate driveways.

No additional compensation shall be provided for this requirement but shall be considered as included in the cost of the pay item for the aggregate as specified on the plans.

TEMPORARY MATERIAL REQUIREMENTS – UTILITY AND DRIVEWAY CROSSINGS

Incidental hot-mix asphalt surface shall be used for all temporary side road crossings. Aggregate surface course may be used for all driveway crossings except during winter shutdown in accordance with Article 107.09.

FILE NAME =	USER NAME = nichtingpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\plnroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 4\Projects\04-6861\Drawings\CA04\Drawings\04xxxx-CA00.dgn		CHECKED -	REVISED -			310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	2	
Default		DATE -	REVISED -			CONTRACT NO. 68G16		ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.		

PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

PAVEMENT STATION NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20 mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm) from the inside edge of the pavement marking

Location:

– 2, 3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations

– Multi-Lane Divided Roadways – outside edge of pavement in both directions

– Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format *XXX (XX + X00)*,

where X represents the pavement station

This work will not be paid for separately, but will be included in the cost of the associated pavement and/or overlay pay items.

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

MIX DESIGN REQUIREMENTS

The following mixture requirements are applicable for this project:

Mixture Use(s):	Surface Course And HMA Shoulder	Class D Patches (12’)	INCIDENTAL SURFACE
AC/PG:	SBS or SBR 64-28	SBS or SBR 64-28	PG 58-28
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 19	IL 9.5
Friction Aggregate:	Mix D	N/A	MIX C
Quality Management Program:	PFP	QCOA	QCOA

- Note:
- 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer.
 - 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y./in., unless otherwise noted.
 - 3) Sublot sizes for PFP and QCP mixes will be 1000 tons, unless otherwise agreed to by the Engineer and the paving contractor.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

Surface Type	Residual Rate
Milled (HMA)	0.08 lb /sq ft

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONST. CODE
				MCDONOUGH 100% STATE 0005
25000750	MOWING	ACRE	43	43
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	68158	68158
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	895	895
40600990	TEMPORARY RAMP	SO YD	679	679
40604160	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	10268	10268
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	100	100
44000157	HOT - MIX ASPHALT SURFACE REMOVAL, 2 "	SO YD	90026	90026
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	383	383
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	215	215
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	2150	2150
48101200	AGGREGATE SHOULDERS, TYPE B	TON	960	960
48203100	HOT - MIX ASPHALT SHOULDERS	TON	38	38
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	814	814
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	12	12

*= SPECIALTY ITEM

FILE NAME :	USER NAME : letemove	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\planroom.dot,illinois.gov\PIDOT\Documents\IDOT Offices\District 4\Projects\04.686167\04.686167.dwg		CHECKED -	REVISED -		SCALE:	SHEET 1 OF 3 SHEETS	STA.	TO STA.	310	39RS-10,40RS-8,41RS-7	MCDONOUGH	20	4
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED -						CONTRACT NO. 68G16				
PLOT DATE = 3/26/2021					ILLINOIS FED. AID PROJECT								

MAINLINE RESURFACING TABLE																
LOCATION				LENGTH	WIDTH	AREA		40600982	44000157	X4400196	40600285	40604060	48203100	40800050	Z0034105	X0328001
								HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL	HMA SURFACE REMOVAL SPECIAL	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N50	HMA SHOULDERS	INCIDENTAL HMA SURFACING	MATERIAL TRANSFER DEVICE	REGENERATIVE AIR SWEEPER
STATION	TO	STATION	LT/RT	FOOT	FOOT	SQ FT	SQ YD	10 FT SQ YD	2 INCH SQ YD	SQ YD	0.08 LB/SQ FT POUND	2 INCH TON	2 INCH TON	TON	TON	SQ YD
116+00	-	116+10	LT/RT	10	12	120.0	13.3	26.7		0.6	19.2	3.0			3.0	26.7
116+10	-	286+48	LT/RT	17,038	12	204,456.0	22,717.3		45,434.7	946.6	32,713.0	5,088.7			5,088.7	45,434.7
286+48	-	286+58	LT/RT	10	12	120.0	13.3	26.7		0.6	19.2	3.0			3.0	26.7
BRIDGE OMISSION				SN:												
286+58	-	287+22		055-0006												
287+22	-	287+32	LT/RT	10	12	120.0	13.3	26.7		0.6	19.2	3.0			3.0	26.7
287+32	-	450+36	LT/RT	16,304	12	195,648.0	21,738.7		43,477.3	905.8	31,303.7	4,869.5			4,869.5	43,477.3
450+36	-	453+31	LT/RT	295	17	5,015.0	557.2		1,114.4	16.4	802.4	88.1	36.7		124.8	1,114.4
453+31	-	453+41	LT/RT	10	17	170.0	18.9	37.8		0.6	27.2	3.0	1.2		4.2	37.8
MILL WIDE PAVE WIDE				33,677	0.5	16,838.5	1,870.9				2,694.2	209.5			209.5	
SIDE ROADS / MAILBOX TURNOUT								777.0			560.0			100.0		
TOTAL								895	90,026	1,871	68,158	10,268	38	100	10,306	90,144

TEMPORARY RAMPS						
LOCATION	LENGTH	WIDTH	AREA		TEMPORARY RAMPS	
			FOOT	FOOT	SQ FT	SQ YD
JOB BEGINS	7	24	168	18.67		18.67
950TH RD	7	37	259	28.78		57.56
900TH RD	7	37	259	28.78		86.33
750TH RD	7	37	259	28.78		57.56
700TH RD	7	37	259	28.78		86.33
1525 RD (1)	7	37	259	28.78		57.56
1525 RD (2)	7	37	259	28.78		57.56
NORTH END OF BRIDGE OMISSION	7	24	168	18.67		18.67
SOUTH END OF BRIDGE OMISSION	7	24	168	18.67		18.67
550TH RD	7	37	259	28.78		86.33
500TH RD	7	37	259	28.78		57.56
450TH RD	7	37	259	28.78		57.56
JOB ENDS	7	24	168	18.67		18.67
TOTAL						679

AGGREGATE SHOULDER, TYPE B *							
LOCATION				LENGTH	WIDTH	DEPTH	TON
STATION	TO	STATION	LT/RT	FOOT	FOOT	INCH	
116+00	-	450+36	LT/RT	33,372	3	2	960
TOTAL							960
48101200							
* LOW SHOULDERS							

RUMBLE STRIP						
LOCATION				LENGTH	WIDTH	AREA
SOUTHBOUND LANE				FOOT	FOOT	SQ FT
STATION	TO	STATION	LT/RT	FOOT	FOOT	SQ FT
413+44	-	413+69		25	12	300
421+50	-	421+75		25	12	300
423+50	-	423+75		25	12	300
TOTAL						900
Z0055500						

PAVEMENT MARKING TABLE												
LOCATION				LENGTH	78009004			70300220	70300100	70300150	78100100	78300200
					WHITE LINE 4"	NO PASSING ZONE - YELLOW LINE 4"	SKIP DASH - YELLOW LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 4"	SHORT-TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKING	RAISED REFLECTIVE PAVEMENT MARKING REMOVAL
STATION	TO	STATION	LT/RT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	EACH	EACH	
116+00	-	453+41	LT/RT	33,741	67,482			67,482	10128*	1,125	421	421
116+00	-	126+55	LT	1055		1055		1055				
132+52	-	140+65	RT	813		813		813				
142+34	-	147+51	LT	517		517		517				
223+78	-	242+92	RT	1914		1914		1914				
233+22	-	252+22	LT	1900		1900		1900				
264+37	-	276+30	RT	1193		1193		1193				
274+69	-	287+46	LT	161		161		161				
284+21	-	300+95	RT	3171		3171		3171				
299+14	-	309+64	LT	2561		2561		2561				
418+71	-	453+41	RT	3470		3470		3470				
427+80	-	453+41	LT	2561		2561		2561				
116+00	-	233+22	LT/RT	11722			2940	2940				
242+42	-	274+69	LT/RT	3,227			810	810				
276+30	-	284+21	LT/RT	791			200	200				
287+46	-	299+14	LT/RT	1168			300	300				
300+95	-	427+80	LT/RT	12685			3180	3180				
SUBTOTAL					67,482	19,316	7,430	94,228	10,128	1,125	421	421
TOTAL						94,228		94,228	10,128	1,125	421	421

* 3 APPLICATIONS

GUARDRAIL TABLE										
LOCATION				LENGTH	63200310	63000001	63100167	72501000	78200005	Z0001002
					GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL AGGREGATE EROSION CONTROL
STATION	TO	STATION	LT/RT	FOOT	FOOT	FOOT	EACH	EACH	EACH	TON
236+55		238+93	RT	238	100	138	2	2	3	36
236+92		239+30	LT	238	100	138	2	2	3	36
284+93		286+18	RT	125	125	75 *	1	1	2	19
284+93		286+18	LT	125	125	75 *	1	1	2	19
287+62		289+37	RT	175	175	125 *	1	1	2	26
287+62		289+37	LT	175	175	125 *	1	1	2	26
407+43		409+43	LT	200	0	100	2	2	3	31
407+85		409+23	RT	138	138	38	2	2	2	41
TOTAL					938	814	12	12	19	234

* EXISTING BRIDGE RAIL SHALL REMAIN IN PLACE. THE PROPOSED GUARDRAIL TRANSITION AND CONNECTION TO THE EXISTING GUARDRAIL SHALL BE INCIDENTAL TO THE PRICE OF THE PROPOSED "STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS."

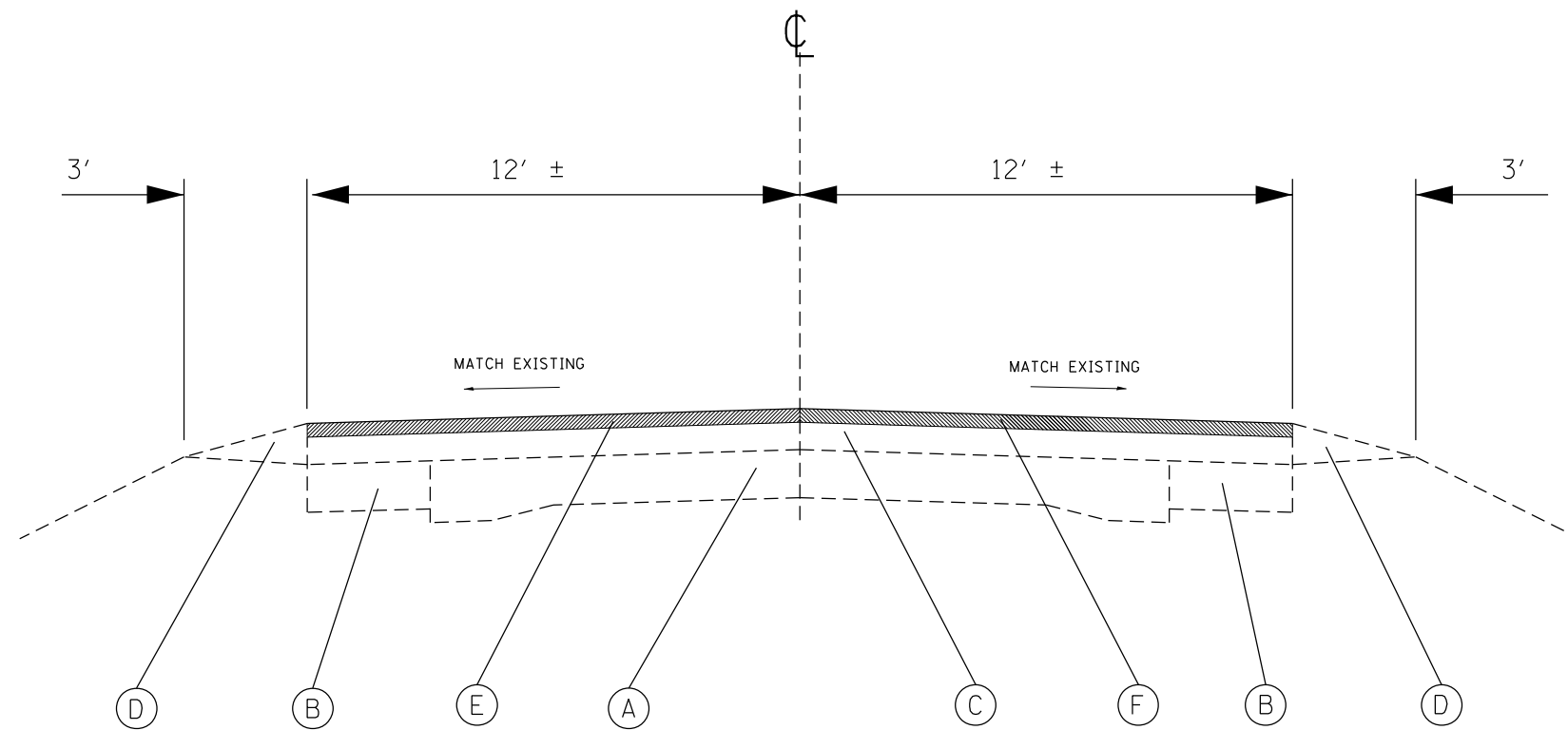
CLASS D PATCH 12"				
LOCATION	Area	44201789	4421794	4421796
		TYPE 2	TYPE 3	TYPE 4
	SQ YD	SQ YD	SQ YD	SQ YD
NORTHBOUND LANE				
PROJECT END TO 450 ROAD	157.33	8.00	16.00	133.33
450 ROAD TO 550 ROAD	331.33	46.00	32.00	253.33
550 ROAD TO 700 ROAD	286.67	53.33	20.00	213.33
700 ROAD TO 750 ROAD	97.78	44.44	0.00	53.33
750 ROAD TO PROJECT BEGINNING	96.00	53.33	16.00	26.67
SUBTOTAL	969.11	205.11	84.00	680.00
SOUTHBOUND LANE				
PROJECT END TO 450 ROAD	117.33	8.00	16.00	93.33
450 ROAD TO 550 ROAD	357.33	24.00	0.00	333.33
550 ROAD TO 700 ROAD	373.33	13.33	0.00	360.00
700 ROAD TO 750 ROAD	213.33	13.33	0.00	200.00
750 ROAD TO PROJECT BEGINNING	168.00	42.67	72.00	53.33
SUBTOTAL	1229.33	101.33	88.00	1040.00
TOTAL	2198.44	306.44	172.00	1720.00
WINTER BREAKUP (ADD 25%)	549.61	76.61	43.00	430.00
GRAND TOTAL	2748	383	215	2150

PERMANENT SURVERY MARKERS TYPE 1		
LOCATION	DESCRIPTION	EACH
STA. 450+50	POT	1
STA. 458+00	POT	1
TOTAL		2

66700205

GENERAL TABLE								
LOCATION	25000750	67000400	67100100	70100450	70100460	70100600	70107025	XZ013798
	MOWING	ENGINEERS FIELD OFFICE, TYPE A	MOBILIZATION	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	CHANGEABLE MESSAGE SIGN	CONSTRUCTION STATION LAYOUT
	ACRE	CAL MO	L SUM	L SUM	L SUM	L SUM	CAL DA	L SUM
JOBSITE	43	3	1	1	1	1	14	1
TOTAL	43	3	1	1	1	1	14	1

*2 SIGNS @ 7 DAYS



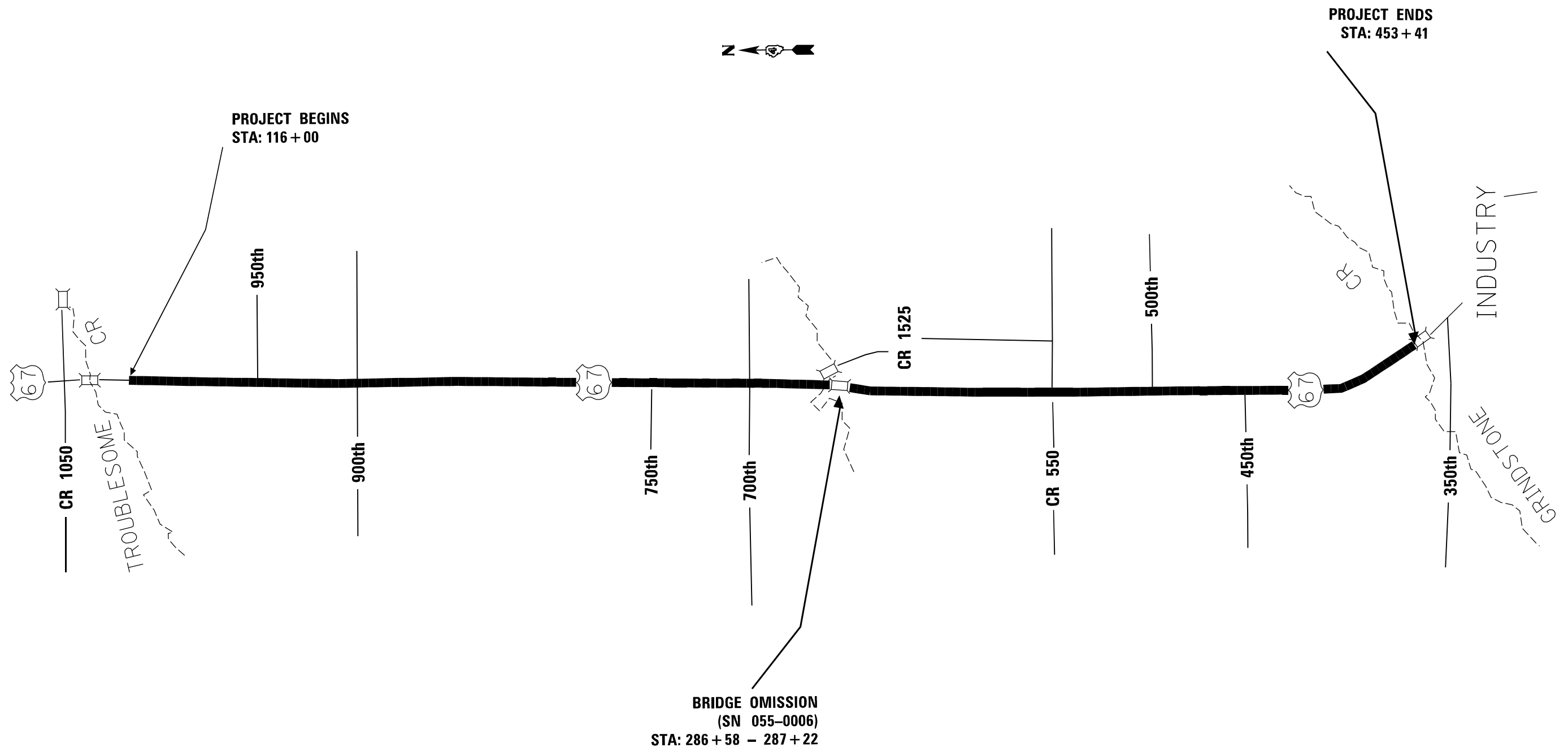
LEGEND

- (A) EXISTING P.C.C. PAVEMENT 9-6-9
- (B) EXISTING P.C.C. BASE COURSE WIDENING
- (C) EXISTING BITUMINOUS OVERLAY
- (D) EXISTING AGGREGATE SHOULDER
- (E) PROPOSED HMA SURFACE REMOVAL 2"
- (F) PROPOSED HMA SURFACE COURSE 2"

TYPICAL SECTION U.S. ROUTE 67
STA. 116+00 to STA. 453+41

NOT DRAWN TO SCALE

FILE NAME =	USER NAME = nichtingpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 4\Projects\D4.6861\Drawings\CA04\Drawings\04xxxx-CA00.dgn		CHECKED -	REVISED -		310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	10			
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 68G16			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/25/2021				SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.				



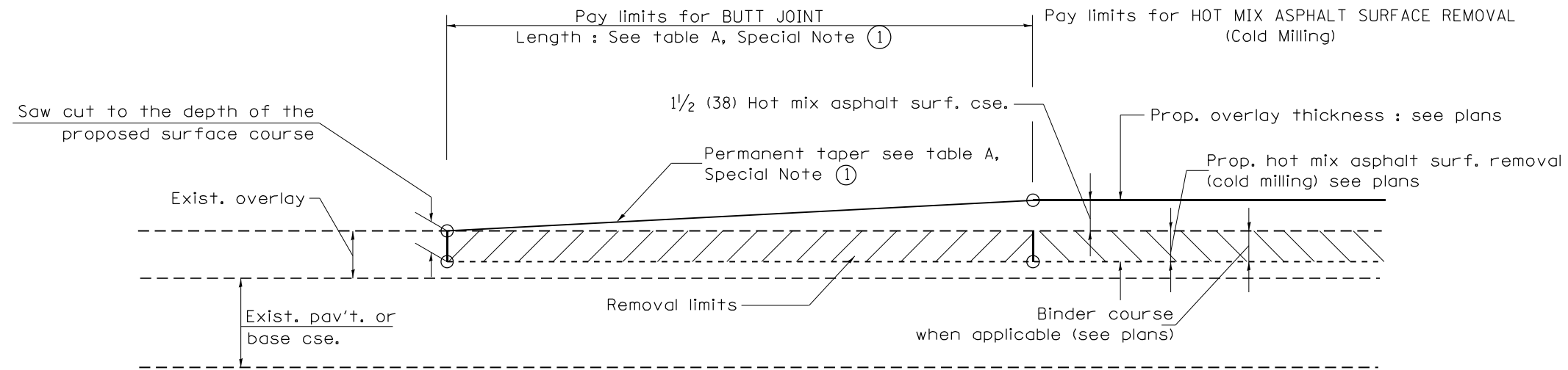
PROJECT ENDS
STA: 453 + 41

PROJECT BEGINS
STA: 116 + 00

BRIDGE OMISSION
(SN 055-0006)
STA: 286 + 58 - 287 + 22

NOT DRAWN TO SCALE

FILE NAME =	USER NAME = nichtingpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LINE DIAGRAM		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 4\Projects\D4.6861\Drawings\CA0drawings\D4xxxx-CA00.dgn	PLotted	CHECKED -	REVISED -				310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	11
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 68G16				
	PLOT DATE = 3/25/2021				ILLINOIS FED. AID PROJECT						



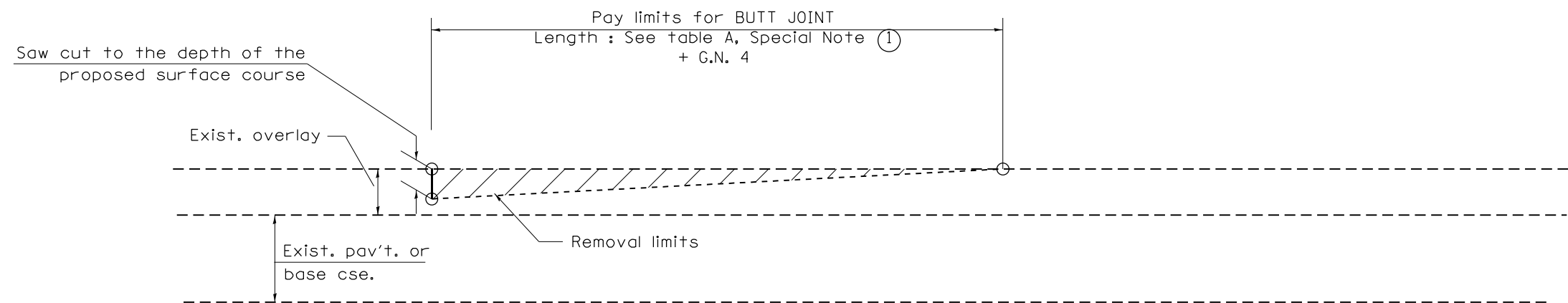
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**TABLE A
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

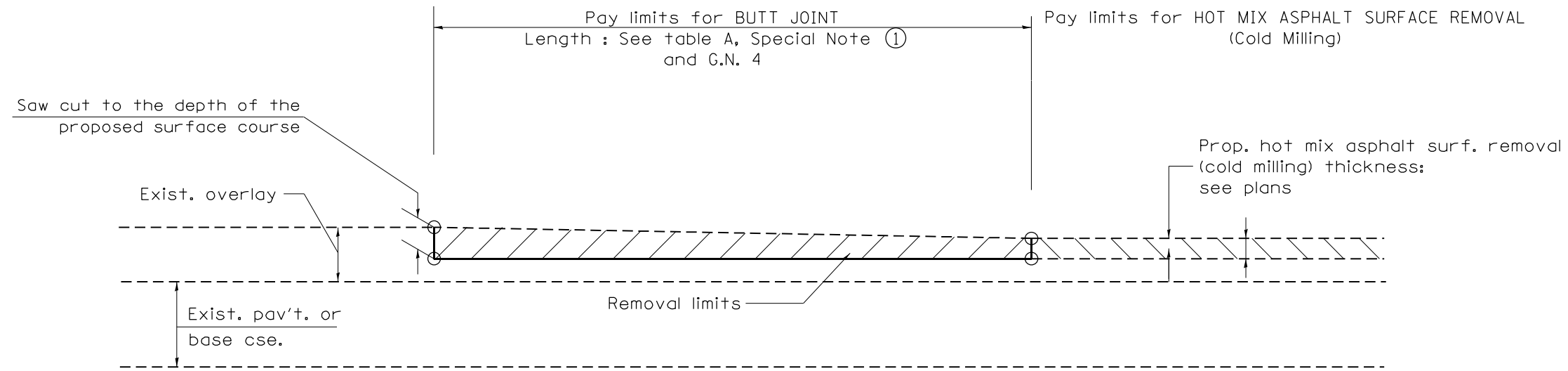
GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

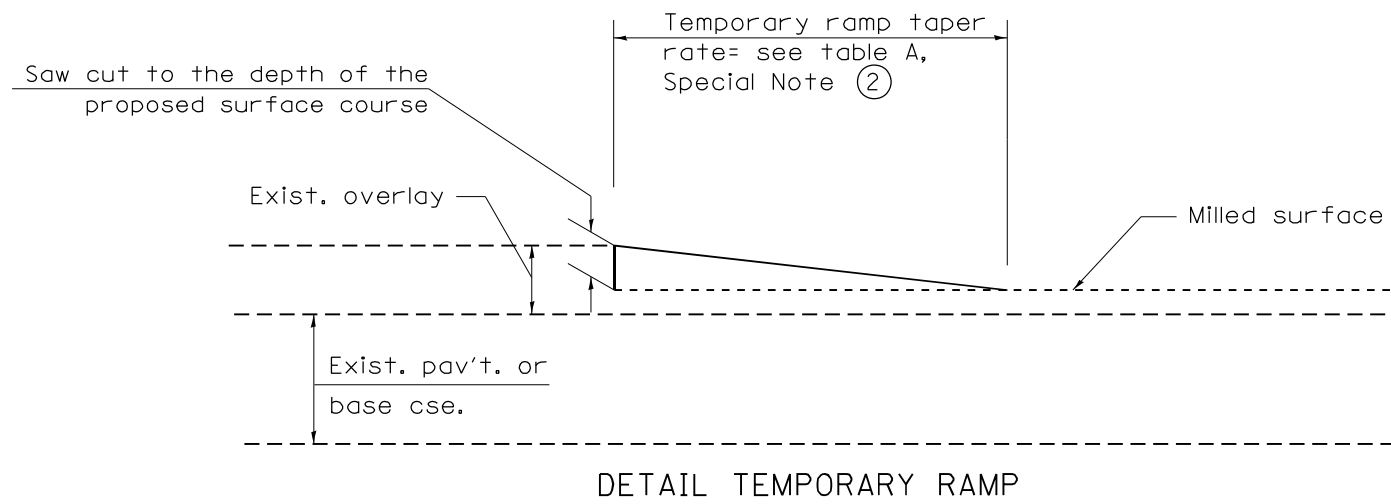


CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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

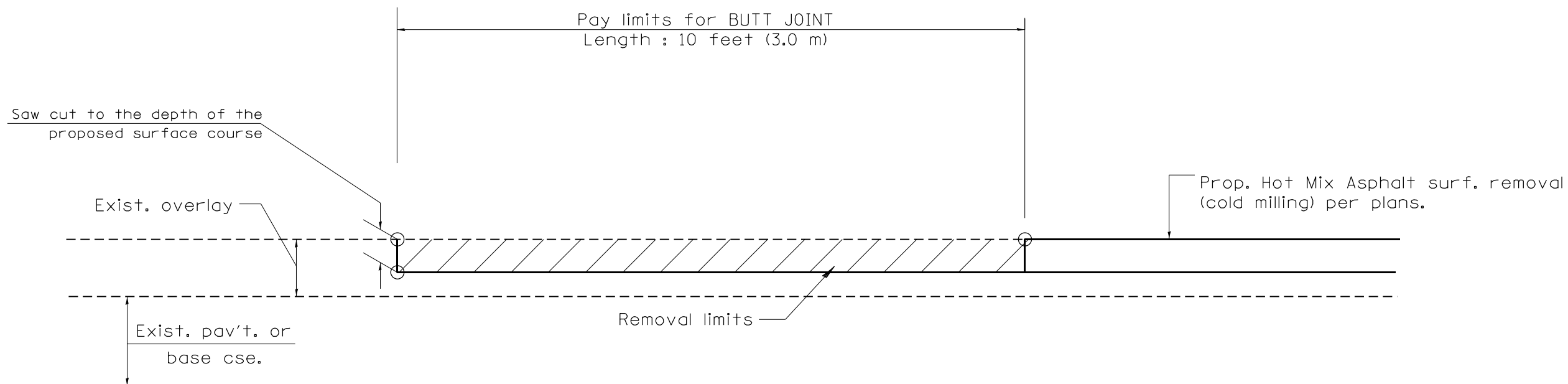


**CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



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

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 2 OF 3 CADD STD. 406101-D4	
				NOT TO SCALE				CONTRACT NO. 68G16	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
310	39R5-10;40R5-8;41R5-7	MCDONOUGH	20	13					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT							

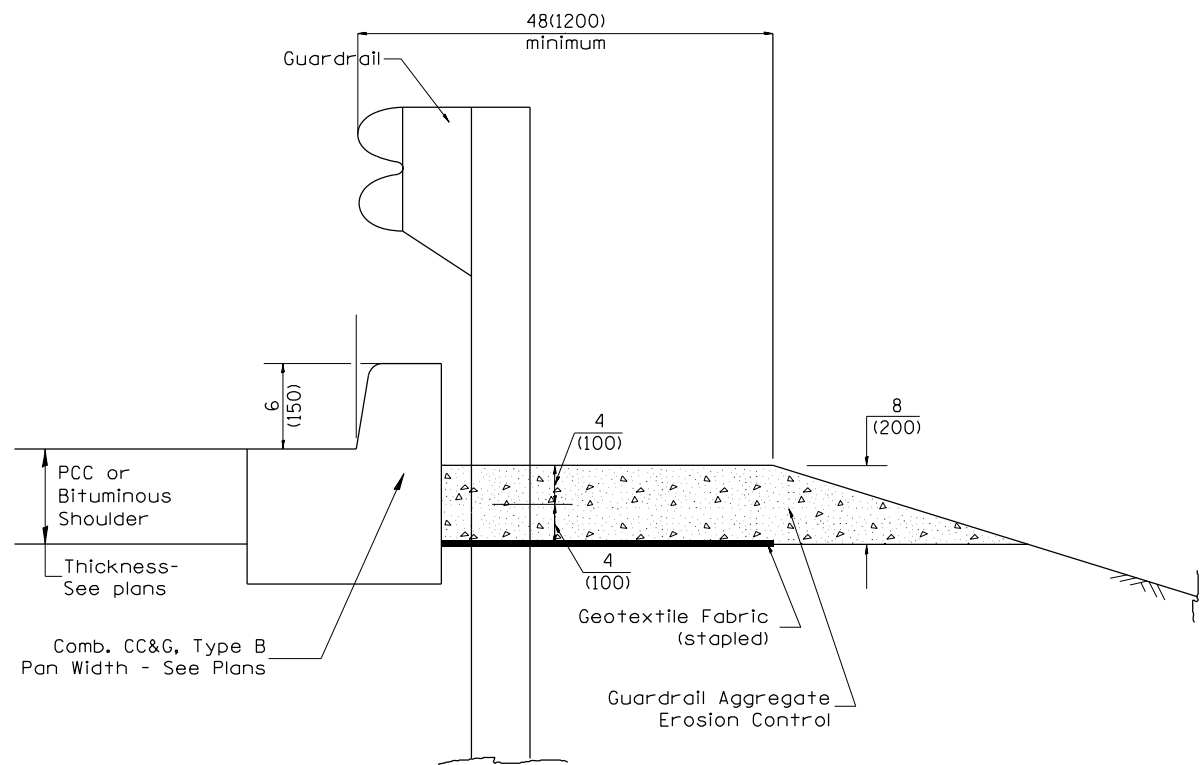


CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

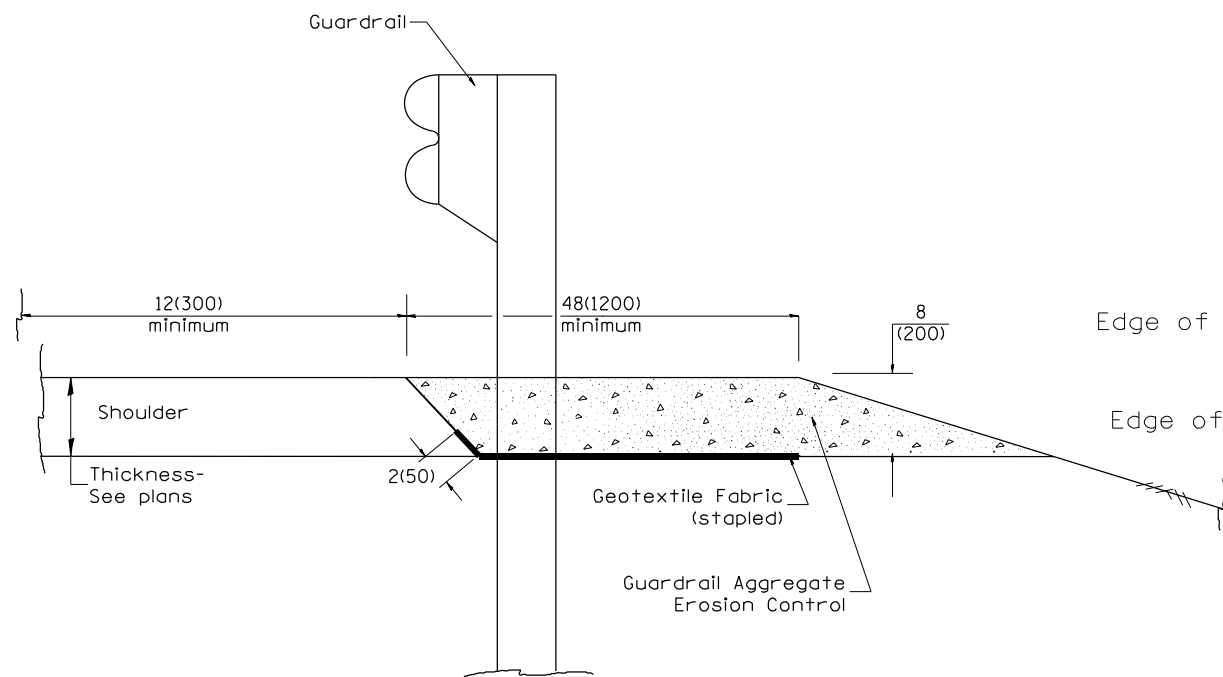
All dimensions are in inches (millimeters) unless otherwise noted.

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 3 OF 3 CADD STD. 406101-D4		<table border="1"> <tr> <th>F.A. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>310</td> <td>39RS-10;40RS-8;41RS-7</td> <td>MCDONOUGH</td> <td>20</td> <td>14</td> </tr> <tr> <td colspan="3">FED. ROAD DIST. NO.</td> <td colspan="2">ILLINOIS FED. AID PROJECT</td> </tr> </table>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	14	FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	14																						
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT																							
				NOT TO SCALE				CONTRACT NO. 68G16																		

CONSIDER USING A "B" CURB PAY ITEM AT GUARDRAIL INSTALLATIONS WHERE GRADES ARE EQUAL TO OR GREATER THAN 1% AND AT INLETS. (INCLUDE DISTRICT SPECIAL PROVISION
 1. USE "GUARDRAIL AGGREGATE EROSION CONTROL" AT GUARDRAIL INSTALLATIONS WHERE GRADES ARE LESS THAN 1% (INCLUDE DISTRICT SPECIAL PROVISION).
 2. INCLUDE STATE STANDARD 610001, IF APPLICABLE.
 3. INCLUDE THE FOLLOWING DISTRICT CADD STANDARDS AS NEEDED: SLOPE DRAINS FOR EXPOSED PIPES; SLOPE DRAINS FOR BURIED PIPES; SEE PAGE COLLARS FOR BURIED PIPES
 4. SEE PAGE COLLARS FOR EXPOSED PIPES; CONCRETE THRUST BLOCKS AND PIPE ELBOW.
 5. INCLUDE DISTRICT SPECIAL PROVISION - "AGGREGATE QUALITY" FOR PROJECTS LOCATED IN THE WESTERN AREA OF THE DISTRICT - APPROX. DIVIDING LINE IS IL 97.
 6. DELETE DESIGNER NOTES WHEN INSERTING INTO PLAN FILES.
 7. OPERATIONS PREFERS USE OF PIPE OUTLETTING ONTO FORESLOPE WITH RIPRAP. USE NON-METALLIC PIPE WHEN POSSIBLE BECAUSE OF FUTURE CORROSION ISSUES.
 8. IF NO OTHER SEEDING IS PAID FOR ON THE CONTRACT, USE DISTRICT SPECIAL PROVISION FOR SEEDING, MINOR AREAS



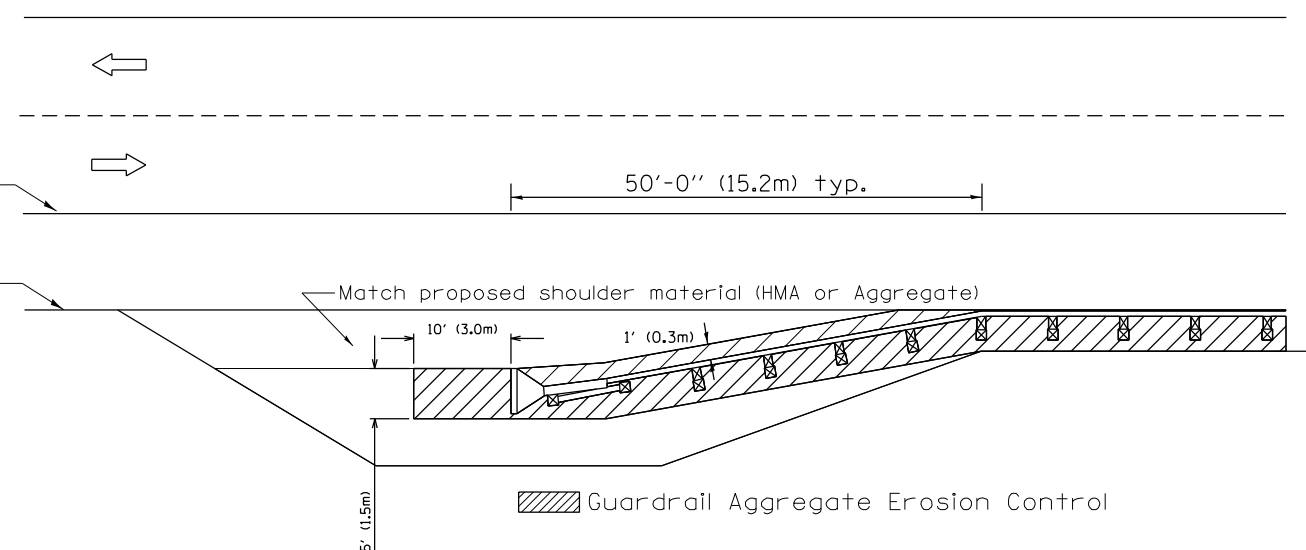
TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



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

DESIGNER NOTES:

03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.	5-30-18	CHANGE B CURB TO CC&G	R.D.
08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.	07-16-19	SPELLING CORRECTIONS	R.D.
07-15-15	ADDRESSED SHOULDER INLET CURB	R.D.			
01-26-17	REVISED	R.D.			

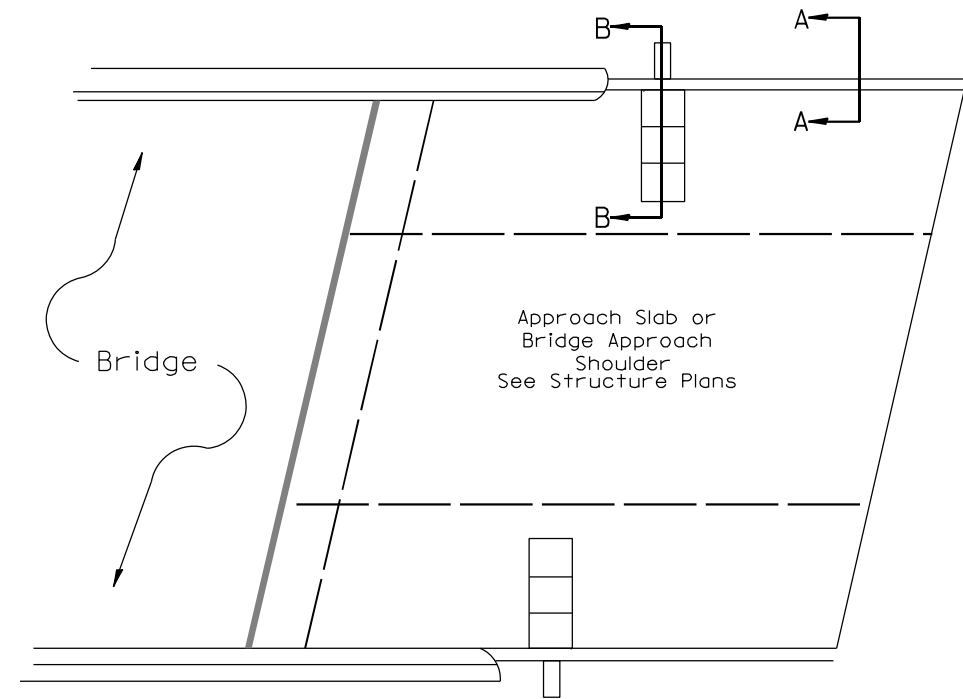
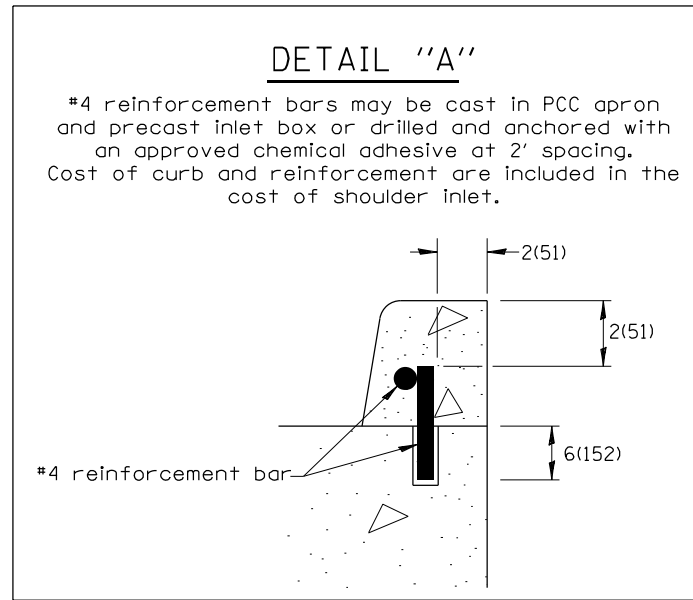
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

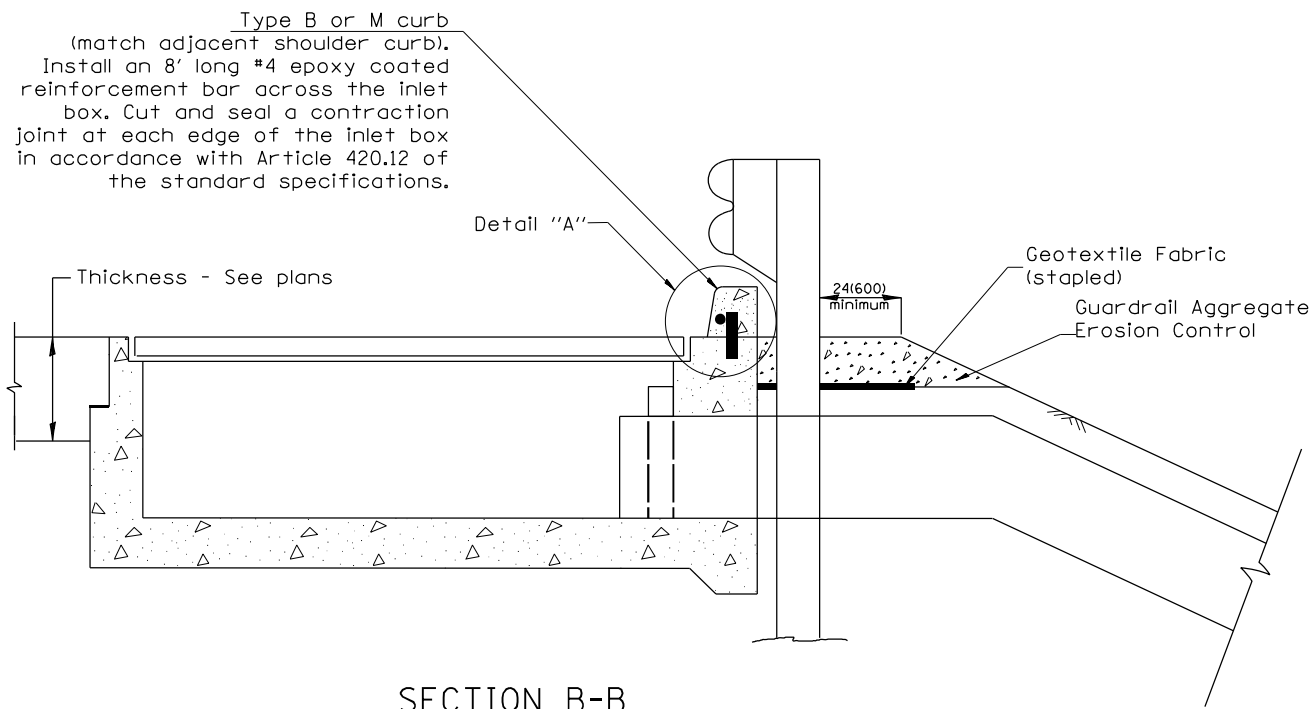
NOT TO SCALE

SHT. 1 OF 2
CADD STD. 630101-D4

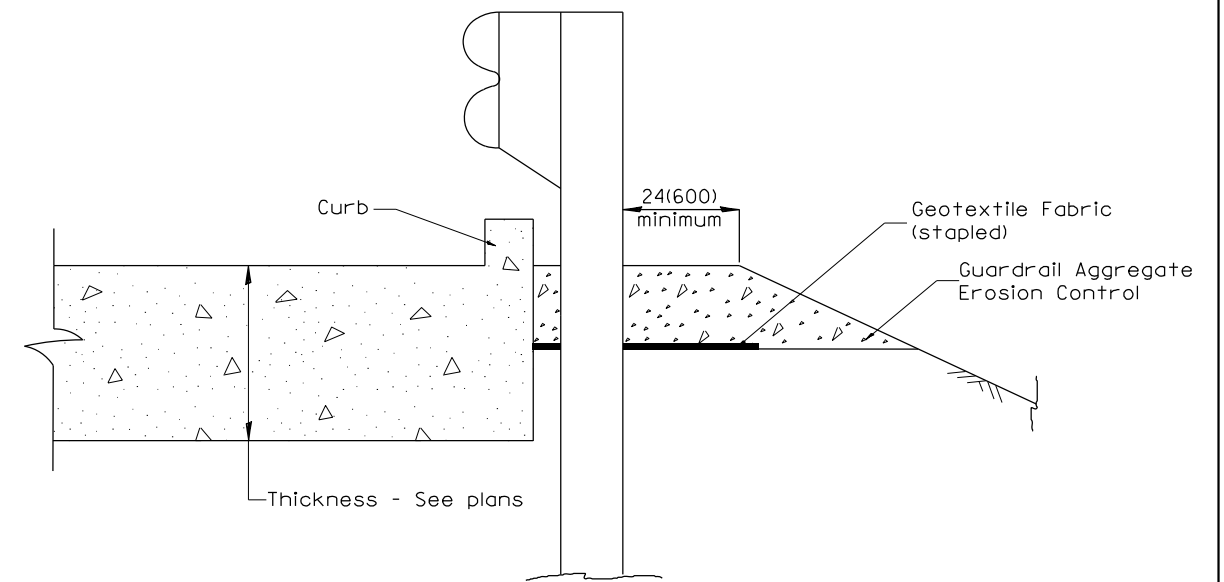
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G16	



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)



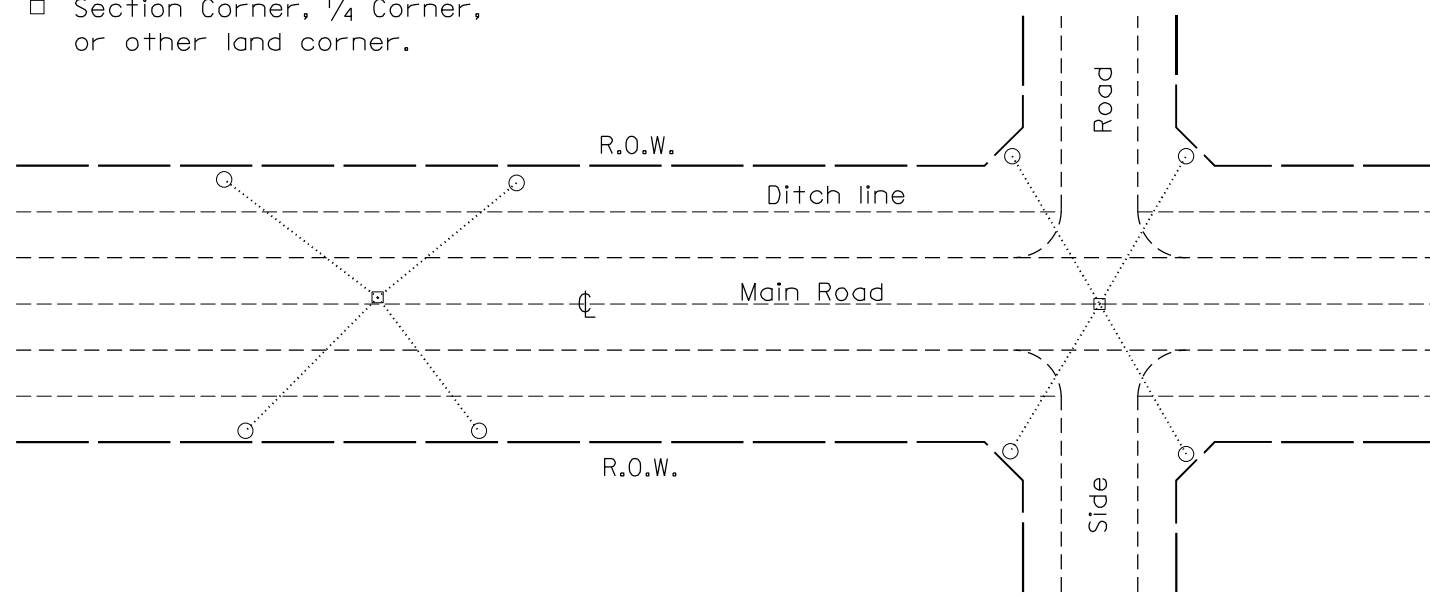
SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

STATE OF ILLINOIS				GUARDRAIL EROSION CONTROL TREATMENTS				F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DEPARTMENT OF TRANSPORTATION				NOT TO SCALE				310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	16
				SHT. 2 OF 2				CONTRACT NO. 68G16				
				CADD STD. 630101-D4				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PERMANENT SURVEY TIES

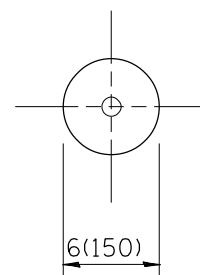
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



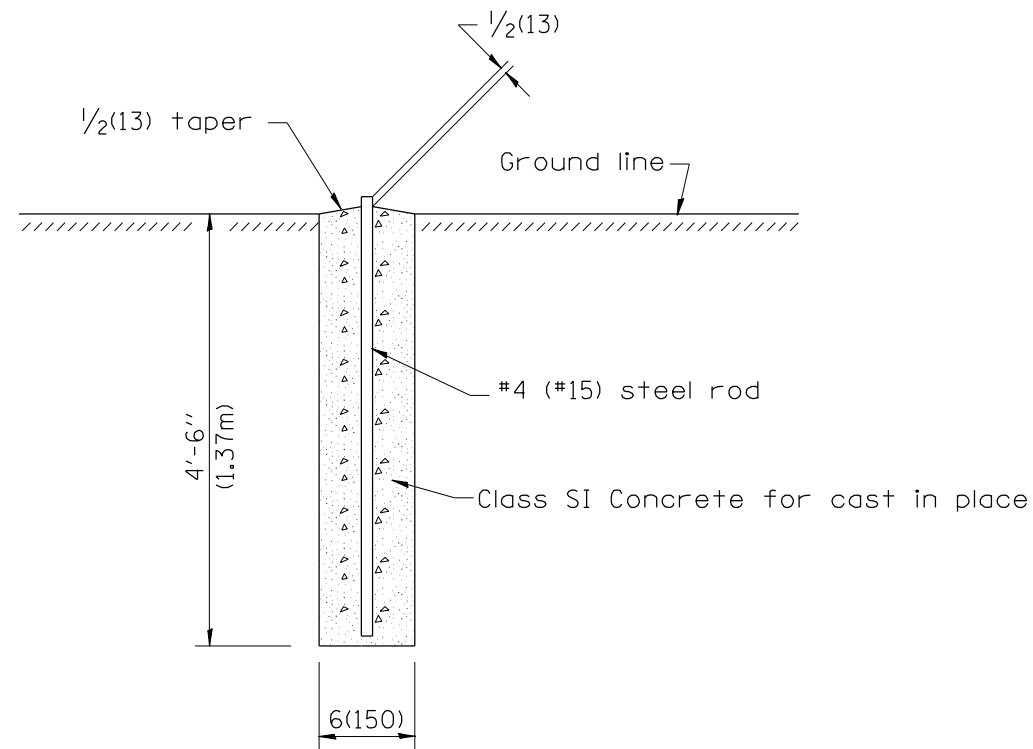
TYPICAL APPLICATION

GENERAL NOTES

1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats for recordation.
4. All documentation shall be performed by a PLS

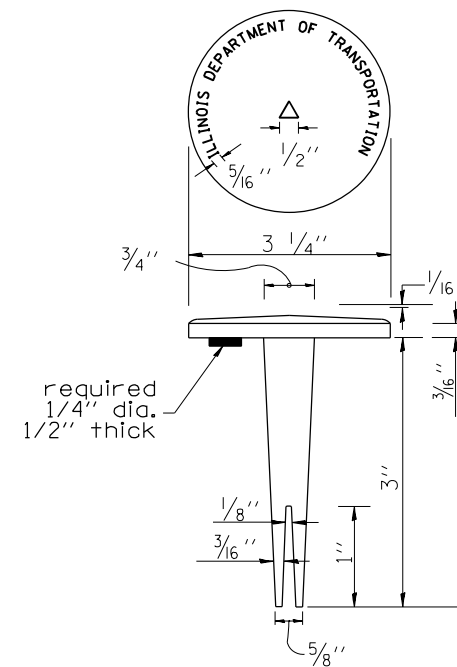


PLAN

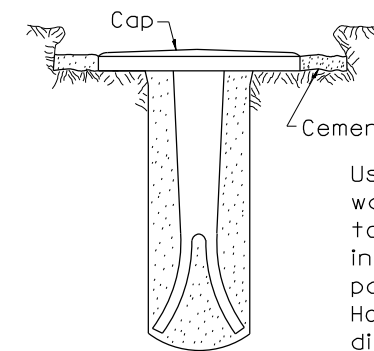


SECTION

PERMANENT SURVEY MARKERS

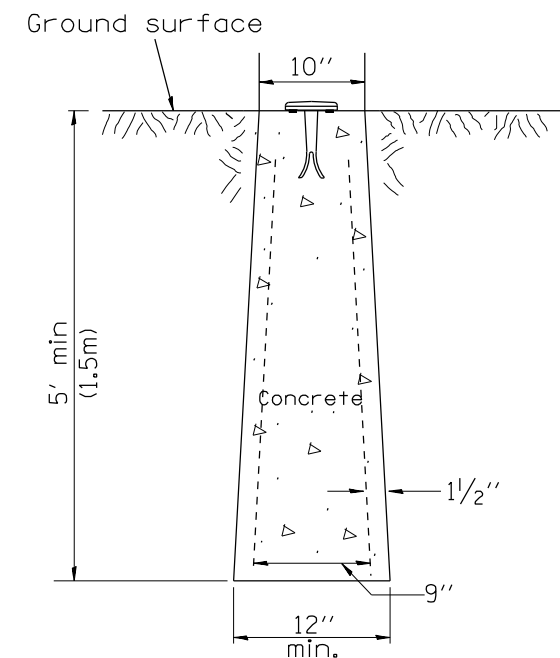


BRASS TABLET



Tablet constructed in rock ledge or concrete.

TYPE I



**TYPE II
CAST-IN-PLACE MARKER**

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.

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

DESIGNER NOTES:
 1. ADD DISTRICT SPECIAL PROVISION IF PLACING A TYPE I MARKER ON A STRUCTURE.
 2. MODIFIES STATE STD 667101. DON'T USE STATE STD IF USING CADD STANDARD
 3. PERMANENT SURVEY MARKERS SHALL BE PLACED TO PERPETUATE THE SURVEY LINES OF DIVIDED HIGHWAYS AND THE CENTERLINE OF ALL OTHERS WHERE THESE LINES HAVE BEEN ESTABLISHED BY SURVEY.
 4. PERMANENT SURVEY MARKERS SHALL BE PLACED AT ALL LAND SECTION CORNERS WITHIN THE STATE R.O.W. WHERE THE MONUMENTS HAVE BEEN FOUND OR RELOCATED BY SURVEY.

01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	TITLE BOX, ADD DESIGNER NOTE		01-04-11	REVISED FOR CORRECTIONS	R.D.
07-07-98	ADD DESIGNER NOTE	J.A.	08-21-13	CHANGED MIN. DIAMETER	R.D.
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.	08-25-15	REVISED MATERIAL	R.D.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

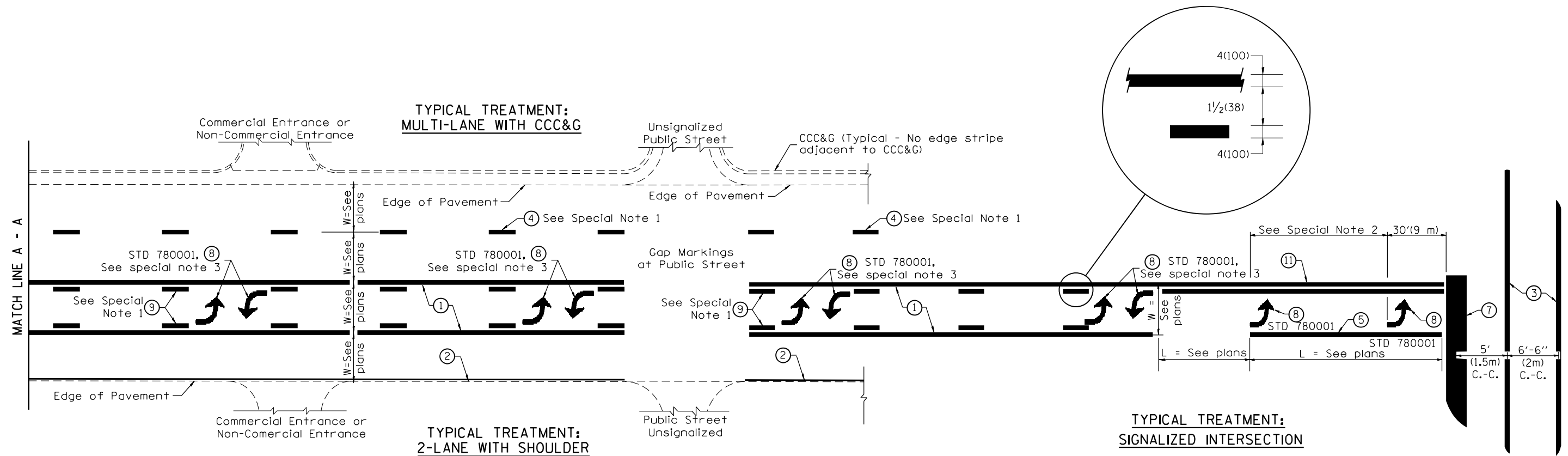
**PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I - TY.II**

NOT TO SCALE

CADD STD. 667101-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	17
CONTRACT NO. 68G16				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:
1. Include State Standard 780001 (Typical Pavement Markings)



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
 - Through Arrow= 14.8 sq. ft.
 - Large Left or Right Arrow= 21.9 sq. ft.
 - 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
 - Wrong Way Arrow= 29.5 sq. ft.
 - Railroad Crossing Symbol= 69.8 sq. ft.
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

SHT. 1 OF 2
CADD STD. 780001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	39RS-10;40RS-8;41RS-7	MCDONOUGH	20	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G16	

