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#### INDEX OF SHEETS

1	COVER SHEET
2-3	<b>GENERAL NOTES</b>

4-6 **SUMMARY OF QUANTITIES** 

7-11 TYPICAL SECTIONS

**LINE DIAGRAM** 12

13-15 SCHEDULE OF QUANTITIES

16-19 PLAN DETAILS

**DISTRICT STANDARDS** 20-31

## **HIGHWAY STANDARDS**

000001-07 001006 420001-09

701011-04 701301-04

701306-04 701311-03

701326-04

701901-08 780001-05

## **DISTRICT STANDARDS**

406101-D4

440001-D4 606101-D4

606106-D4

780001-D4

#### **DESIGN DESIGNATION:**

**MINOR ARTERIAL** ADT = 1000 (2019) MU = 5% (2019) SU = 4% (2019)



ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123 OR 811

PROJECT ENGINEER: MIKE LEWIS (309) 671-3454 PROJECT MANAGER: ELIAS ELDERZI (309) 671-3482

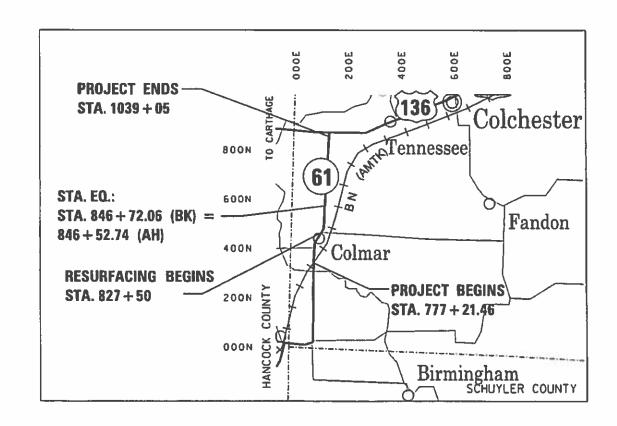
## STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

# **PROPOSED** HIGHWAY PLANS

FAP ROUTE 542 (IL 61) SECTION 105RS-4 PROJECT STP-H42P(409) **TYPE of IMPROVEMENT 3P** McDONOUGH COUNTY

C-94-019-20



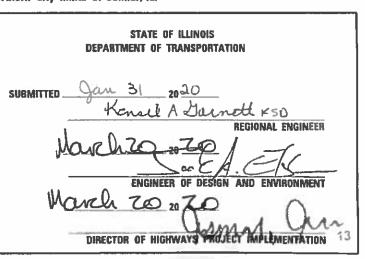
GROSS LENGTH = 26,164.22 FT. = 4.955 MILE NET LENGTH = 21,135,68 FT. = 4.003 MILE

D-94-012-20



## PROJECT DESCRIPTION:

This project improvement consists of Cold-In-Place Recycling, 4" with a Cape Seal on the southern portion and resurfacing on the northern portion of the job. The location is on IL 61 from US 136 to the northern city limits of Colmar, IL.



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#### 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 FOR THIS PROJECT.

#### **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.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to 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.

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Environmental Survey Request)
- \* 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

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

## 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.

## PAVEMENT STATIONING 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 (20mm) 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 considered included in the cost of the associated pavement and/or overlay pay items.

USER NAME = everscl	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 123.7471 / ln.	CHECKED -	REVISED -
PLOT DATE = 1/31/2020	DATE -	REVISED -

COMMITMENTS & GENERAL NOTES					F.A.P. RTE	SECTION	COUNTY	TO'
				DIES	542	105RS-4	McDONOUGH	3
							CONTRACT	NC
HEET	O.F.	CHEETE	CTA	TO CTA				

## AGGREGATE SHOULDERS, TYPE B

Aggregate Shoulders, Type B shall be required for all granular construction of side roads, entrances, and mailbox turnouts, whether or not portions of the surfaces thus constructed are to be covered with a bituminous surface, except where noted differently on the plans.

## **BUTT JOINT CUTTING TIME RESTRICTION**

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

## 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.

## POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)

Surface Type	Residual Rate
Milled (HMA or PCC)	0.08 lb / sq ft
Existing Pavement	0.08 lb / sq ft
Fog Coat (between lifts)	0.08 lb / sq ft

#### NO PASSING ZONE VERIFICATION

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

## **JOB SPECIFIC**

Area Reflective crack Control might exist within the project limits. The removal of the Area Reflective Crack Control will not be paid for separately, but will be included in the cost of COLD IN-PLACE RECYCLING, 4".

The removal and re-setting of existing grates at gutter location will not be paid for separately, but will be included in the cost of CLASS SI CONCRETE OUTLET.

Drop-off over 12" are not allowed overnight.

Traffic control and protection standard 701301 shall also be used to replace the RWIS located at structure number 055-0009 over the railroad south of Colmar.

Two applications of paint pavement marking will be required on the cape seal section. Second application of the pavement paint over Cape Seal is to be done 30 days after the first application.

#### HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Surface (1.5")	Binder Course (1")	Incidental Surface
AC/PG:	PG 64-22	SBS or SBR 76-22	PG 64-22
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 4.75	IL 9.5
Friction Aggregate:	Mix D	N.A.	Mix C
Quality Management Program:	QCQA	QCQA	QCQA

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 800 tons, unless otherwise agreed to by the Engineer and the paving contractor.

USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS								F.A.P.	SECTION	COUNTY TOTAL SHEET
	DRAWN -	REVISED -			STATE OF ILLINOIS	GENERAL NO		GENERAL NOTES			542	105RS-4	McDONOUGH 31 3
PLOT SCALE = 123.7471 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								CONTRACT NO. 68F22		
PLOT DATE = 1/31/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

					McDONOUGH COUNTY
				0005	0044
CODE			TOTAL		
NO.	ITEM	UNIT	TOTAL QUANTITY	FED/STATE	STATE
110.			QUANTITI	80/20	100
21101615	TOPSOIL FURNISH & PLACE, 4"	SQ YD	363	363	
25100115	MULCH, METHOD 2	ACRE	0.1	0.1	
28000400	PERIMETER EROSION BARRIER	FOOT	1634	1634	
28000500	INLET AND PIPE PROTECTION	EACH	5	5	
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	134	134	
40500061	CAPE SEAL, TYPE II	SQYD	24377	24377	
		3415			
		1			
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	55237	55237	
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1509	1509	
40600990	TEMPORARY RAMP	SQ YD	312	312	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	2094.8	2094.8	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	3200	3200	
40800050	INCIDENTAL HOT - MIX ASPHALT SURFACING	TON	157.8	157.8	
		1			
44000400	CULTED DEMOVAL	FOOT	1674	1674	
14000400	GUTTER REMOVAL	FOOT	1634	1634	
		1			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1946.4	1946.4	

MODEL: Default

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.			
542	105RS-4	McD0N0UGH	31	4			
		CONTRACT	NO. 6	8F22			
(THE INDISCREED, AID PROJECT							

				CONSTRUCT	ION CODE
				McDONOUGH COUNTY	
				0005	0044
CODE	TIEN	LINITT	TOTAL		
NO.	ITEM	UNIT	QUANTITY	FED/STATE 80/20	STATE 100
				80/20	100
60403400	GRATES, TYPE A	EACH	2	2	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	41.2	41.2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4	
67000400	ENGINEER 3 FIELD OFFICE, TIFE A	CAL MO	7	7	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7607	7607	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	705	705	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	62477	62477	
10300220	TEMI ONANT LAVEMENT MARKING LINE 4	1 001	02411	02411	
70001110	DATA DAVENENT MARKANG LAWE 40	F007	F7100	F71.05	
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	53196	53196	
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	35881	35881	
X0325754	REPLACEMENT OF SENSORS FOR ROADWAY INFORMATION SYSTEM	L SUM	1		1
X0326645	UPGRADE RPU EQUIPMENT AND COMMUNICATIONS AT RWIS SITE	EACH	1		1
X0326646	INSTALL CCTV CAMERA AT RWIS SITE	EACH	1		1
*= SPECIAL	I TV ITEM				
	TOTAL DEVICED				

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
542	105RS-4	McD0N0UGH	31	5			
		CONTRACT	NO. 6	8F22			
ILLINOIS FED. AID PROJECT							

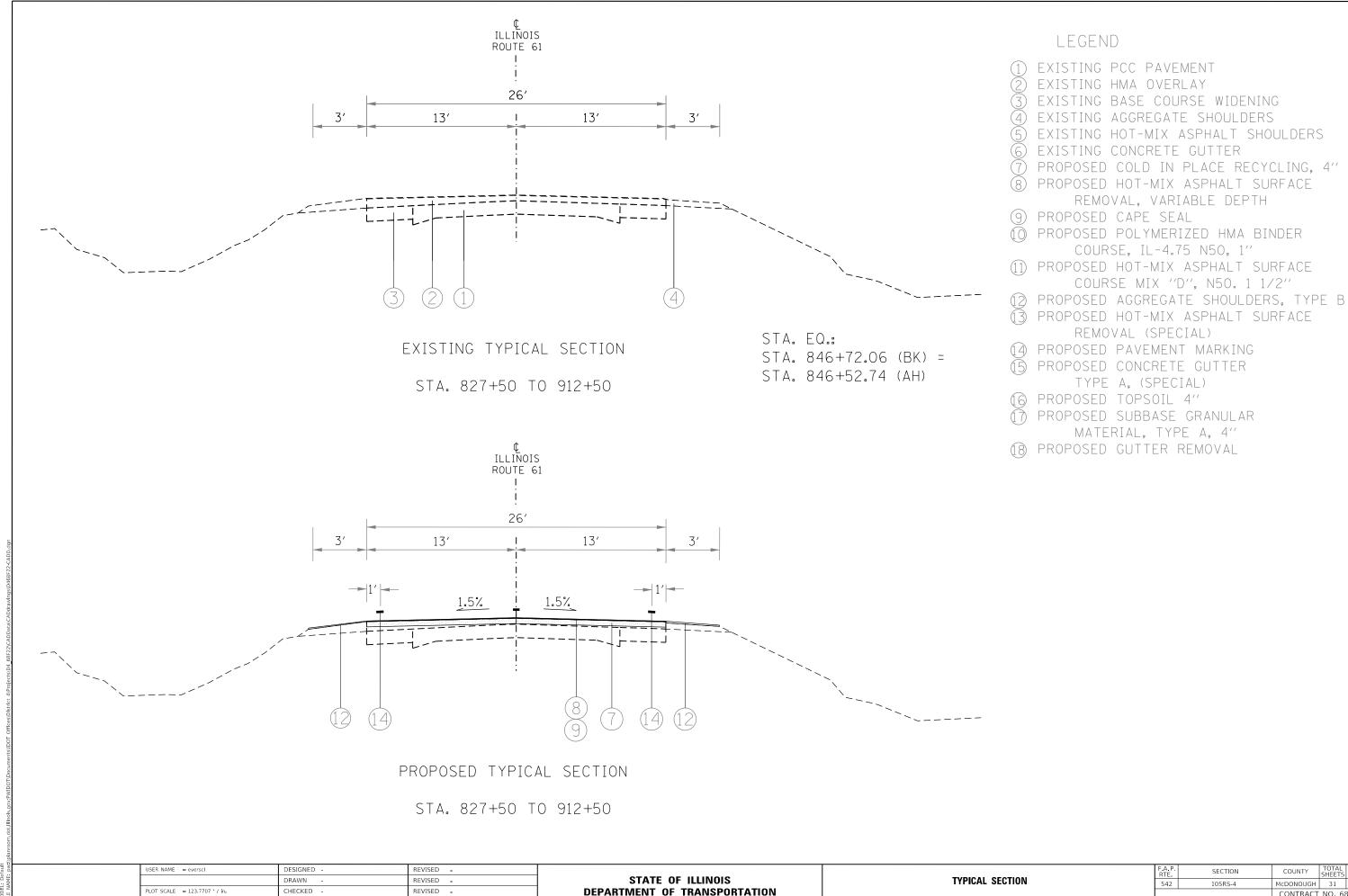
				CONSTRUC	TION CODE
				McDONOUGH COUNTY	
		1		0005	0044
CODE	ITEM	UNIT	TOTAL	FED/STATE	STATE
NO.	I I LIVI	UNII	QUANTITY	80/20	100
				00/20	100
X4200001	CIR-FDR EMULSIFIED ASPHALT	GALLON	91588	91588	
		1			
X4200002	COLD IN-PLACE RECYCLING, 4.0"	SQ YD	61059	61059	
				01000	
V440010C	HOT - MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	706	706	
X4400196	HUI - MIX ASPHALI SURFACE REMOVAL, SPECIAL	Su TD	706	706	
		1			<u>                                       </u>
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	61059	61059	
X6062700	CONCRETE GUTTER, TYPE A (SPECIAL)	FOOT	1319	1319	
XZ013798	CONSTRUCTION STATION LAYOUT	L SUM	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
		<u> </u>			
Z0034105	MATERIAL TRANSFER DEVICE	TON	5294.7	5294.7	

MODEL: Default

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE T			
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CONTRACT NO. 68F							
ILLINOIS FED. AID PROJECT							



COUNTY

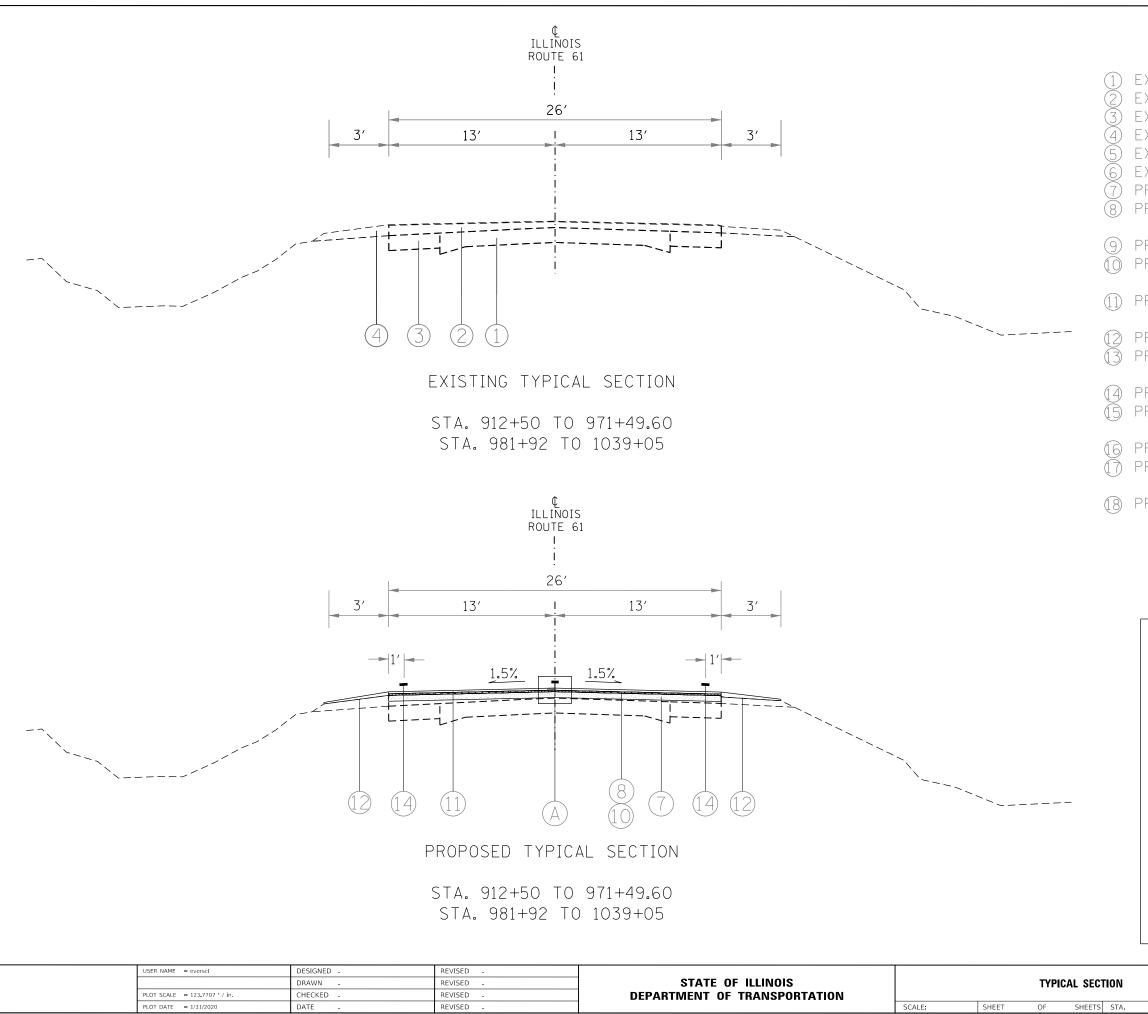
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OF SHEETS STA.

McDONOUGH 31 7

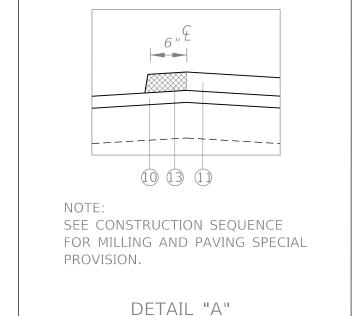
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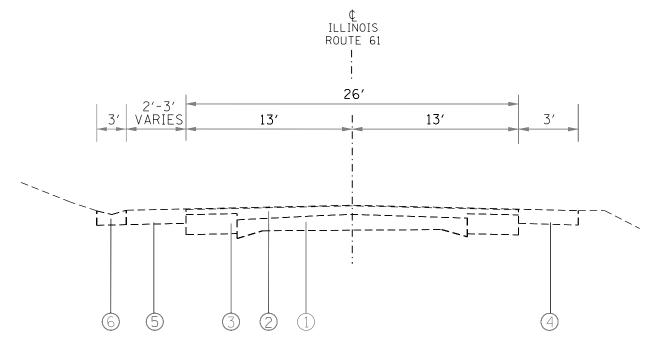
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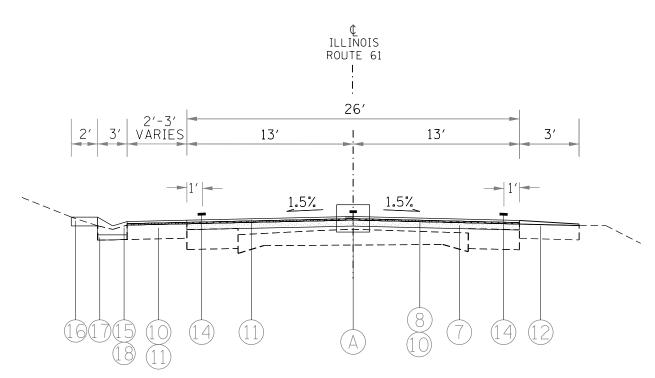
- 1) EXISTING PCC PAVEMENT
- (2) EXISTING HMA OVERLAY
- (3) EXISTING BASE COURSE WIDENING
- (4) EXISTING AGGREGATE SHOULDERS
- (5) EXISTING HOT-MIX ASPHALT SHOULDERS
- (6) EXISTING CONCRETE GUTTER
- (7) PROPOSED COLD IN PLACE RECYCLING, 4"
  - PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (9) PROPOSED CAPE SEAL
- PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75 N50, 1"
- (1) PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50. 1 1/2"
- PROPOSED AGGREGATE SHOULDERS, TYPE B
- PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)
- (14) PROPOSED PAVEMENT MARKING
- 15 PROPOSED CONCRETE GUTTER
  TYPE A. (SPECIAL)
- (6) PROPOSED TOPSOIL 4"
- PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- (18) PROPOSED GUTTER REMOVAL





EXISTING TYPICAL SECTION

STA. 971+49.60 TO 973+45

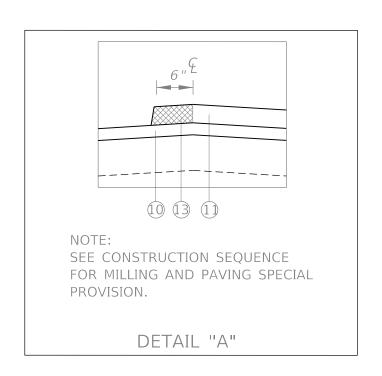


PROPOSED TYPICAL SECTION

STA. 971+49.60 TO 973+45

## LEGEND

- (1) EXISTING PCC PAVEMENT
- (2) EXISTING HMA OVERLAY
- (3) EXISTING BASE COURSE WIDENING
- (4) EXISTING AGGREGATE SHOULDERS
- (5) EXISTING HOT-MIX ASPHALT SHOULDERS
- (6) EXISTING CONCRETE GUTTER
- 7) PROPOSED COLD IN PLACE RECYCLING, 4"
- 8) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (9) PROPOSED CAPE SEAL
- 10 PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75 N50, 1"
- (1) PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50. 1 1/2"
- 12 PROPOSED AGGREGATE SHOULDERS, TYPE B
- PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)
- (14) PROPOSED PAVEMENT MARKING
- (5) PROPOSED CONCRETE GUTTER
  TYPE A. (SPECIAL)
- 6 PROPOSED TOPSOIL 4"
- PROPOSED SUBBASE GRANULAR
  MATERIAL, TYPE A, 4"
- (18) PROPOSED GUTTER REMOVAL



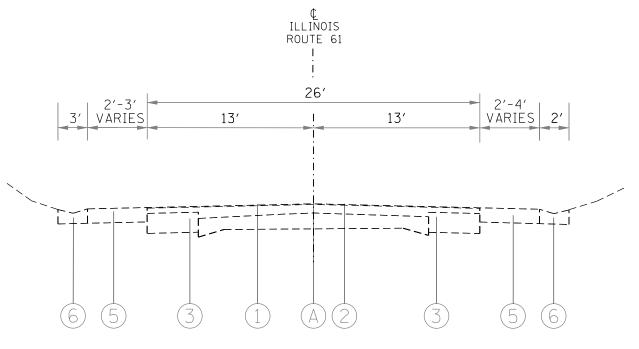
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

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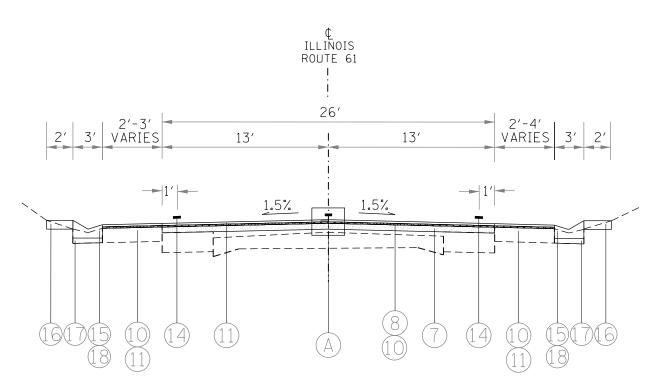
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2 105RS-4 McDONOUGH 31 9
CONTRACT NO. 68F22

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EXISTING TYPICAL SECTION

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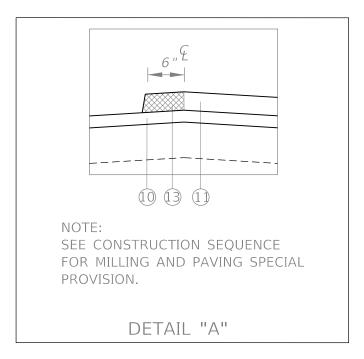


PROPOSED TYPICAL SECTION

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## LEGEND

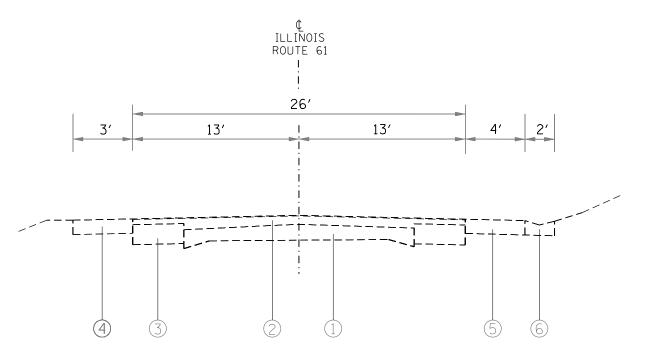
- (1) EXISTING PCC PAVEMENT
- (2) EXISTING HMA OVERLAY
- (3) EXISTING BASE COURSE WIDENING
- (4) EXISTING AGGREGATE SHOULDERS
- (5) EXISTING HOT-MIX ASPHALT SHOULDERS
- (6) EXISTING CONCRETE GUTTER
- 7) PROPOSED COLD IN PLACE RECYCLING, 4"
- 8 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (9) PROPOSED CAPE SEAL
- 10 PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75 N50, 1"
- (1) PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50. 1 1/2"
- 2) PROPOSED AGGREGATE SHOULDERS, TYPE B
- 3) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)
- (14) PROPOSED PAVEMENT MARKING
- (5) PROPOSED CONCRETE GUTTER
  TYPE A, (SPECIAL)
- 6 PROPOSED TOPSOIL 4"
- PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- (18) PROPOSED GUTTER REMOVAL



USER NAME = eversol	DESIGNED -	REVISED -
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PLOT DATE = 1/31/2020	DATE -	REVISED -

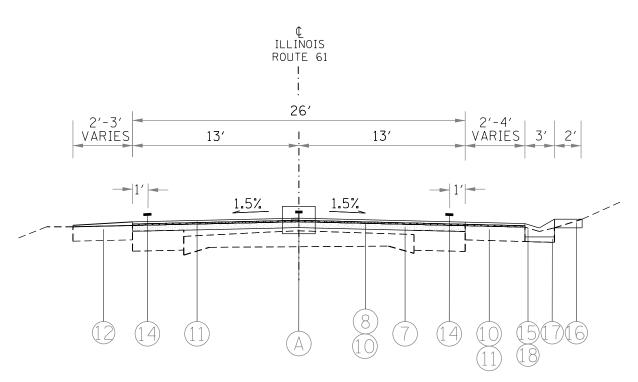
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	F.A.P. RTE	SECTION	COUNTY
TYPICAL SECTION	542	105RS-4	McDONOUGH
			CONTRAC



EXISTING TYPICAL SECTION

STA. 979+36 TO 981+92

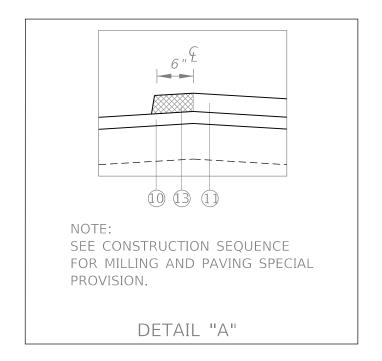


PROPOSED TYPICAL SECTION

STA. 979+36 TO 981+92

## LEGEND

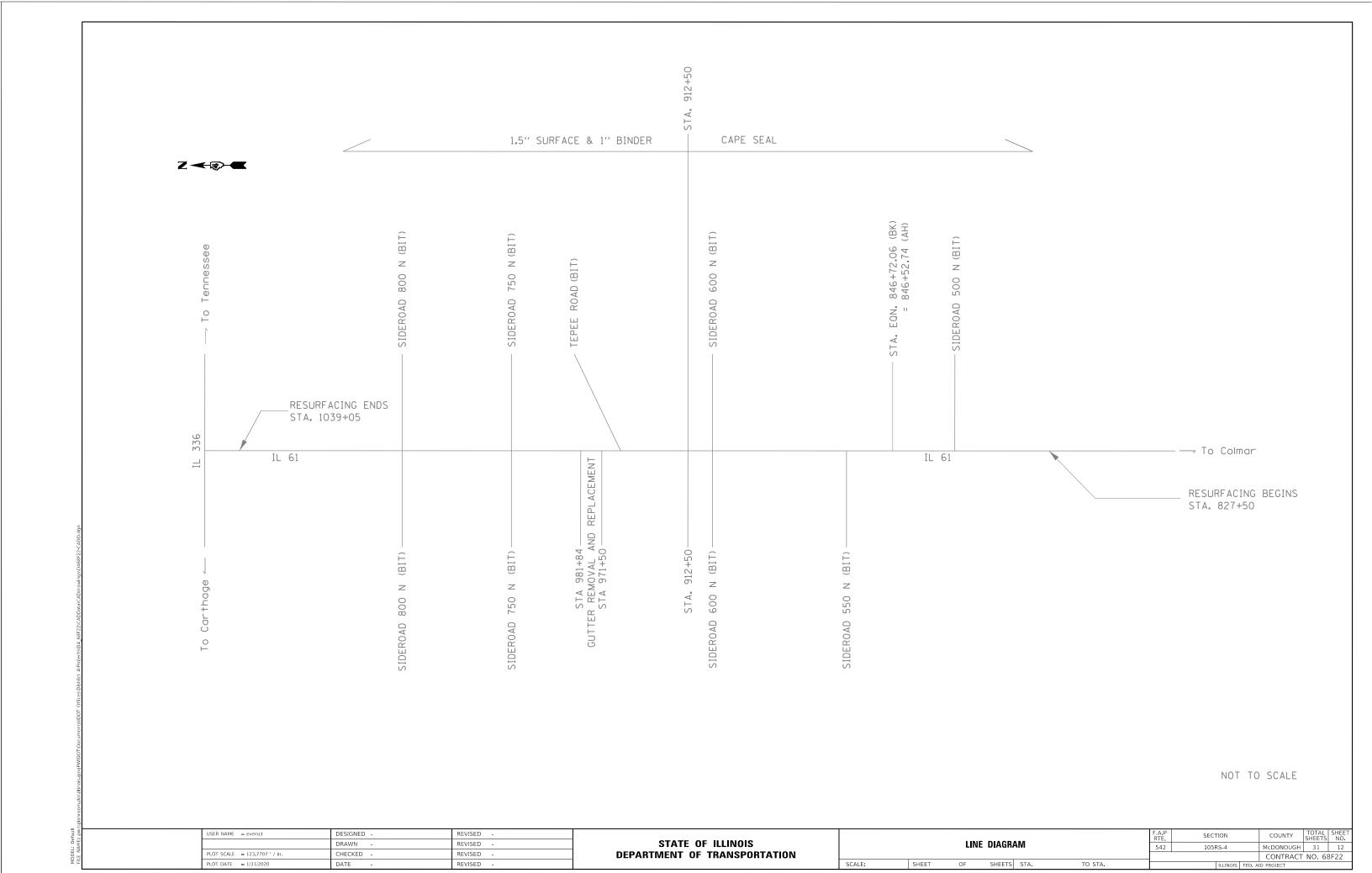
- (1) EXISTING PCC PAVEMENT
- (2) EXISTING HMA OVERLAY
- (3) EXISTING BASE COURSE WIDENING
- (4) EXISTING AGGREGATE SHOULDERS
- (5) EXISTING HOT-MIX ASPHALT SHOULDERS
- (6) EXISTING CONCRETE GUTTER
- 7) PROPOSED COLD IN PLACE RECYCLING, 4"
  - PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (9) PROPOSED CAPE SEAL
- 10 PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75 N50, 1"
- (1) PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50. 1 1/2"
- (2) PROPOSED AGGREGATE SHOULDERS, TYPE B
- (3) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)
- (4) PROPOSED PAVEMENT MARKING
- TYPE A. (SPECIAL)
- (6) PROPOSED TOPSOIL 4"
- PROPOSED SUBBASE GRANULAR
  MATERIAL, TYPE A, 4"
- (18) PROPOSED GUTTER REMOVAL



USER NAME = everscl	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 123.7707 / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	<b>T</b> 1/D1			F.A.P. RTE	SECTIO	N	COUNTY	TOTAL SHEETS	SHEET NO.
	TYPI	CAL SECTION		542	105RS-	4	McDONOUGH	31	11
							CONTRACT	NO. 68	3F22
SHEET	OF	SHEETS STA	TO STA		l nu	LINOIS FED AL	ID PROJECT		



								RESURFACING TABLE										
	LOCATI	ON		WIDTH	LENGTH	AREA	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMPS	HMA SURFACE REMOVAL, VARIABLE DEPTH	COLD IN PLACE RECYCLING, 4"	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	CAPE SEAL, TYPE II	HMA SURFACE COURSE MIX D, N50 1 1/2"	POLY HMA BINDER COURSE 1"	HMA SURFACE REMOVAL SPECIAL	INCIDENTAL HMA SURFACING	MATERIAL TRANSFER DEVICE	AGGREGATE SHOULDERS TYPE B
				(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(POUND)	(SQ YD)	(TON)	(TON)	(SQ YD)	(TON)	(TON)	(TON)
STA.	827+50	to	827+70	26	20	57.78	57.78	14.44	57.78	57.78	-	57.78	-	-	-	-	-	1.14
STA.	827+70	to	828+50	26	80.00	231.11	-	-	231.11	231.11	-	231.11	i	-	-	-	-	4.56
STA.	828+50	to	829+50	26	100.00	288.89	-	-	288.89	288.89	-	288.89	-	-	-	-	-	5.69
STA.	829+50	to	830+50	26	100.00	288.89	-	-	288.89	288.89	-	288.89	-	-	-	-	-	5.69
STA.	830+50	to	846+52.74	26	1602.74	4630.14	-	-	4630.14	4630.14	-	4630.14	·	-	-	-	-	91.27
STA. EQN.	846+52.74 (A	H) =	846+72.06 (Bk	()														
STA.	846+72.06	to	912+00	26	6527.94	18858.49	-	-	18858.49	18858.49	-	18858.49	-	-	=	-	=	371.73
STA.	912+00	to	912+50	26	50.00	144.44	144.44	28.89	144.44	144.44	210.83	-	12.37	8.09	2.78	-	20.46	2.85
STA.	912+50	to	969+18	26	5668.00	16374.22	-	-	16374.22	16374.22	23900.07	-	1401.89	916.96	314.89	-	2318.84	645.52
STA.	969+18	to	971+49.6	26	231.60	669.07	-	-	669.07	669.07	976.58	-	57.28	37.47	12.87	-	94.75	26.38
LT. STA.	971+50	to	973+45	13	195.40	282.24	-	-	282.24	282.24	511.30	-	29.18	19.45	10.86	-	48.63	-
RT. STA.	971+49.6	to	973+45	13	195.40	282.24	-	-	282.24	282.24	417.50	-	24.79	15.81	10.60	-	40.60	11.13
LT. STA.	973+45	to	979+36	13	591.00	853.67	-	-	853.67	853.67	1641.01	-	93.77	62.51	32,83	-	156.29	-
RT. STA.	973+45	to	979+36	13	591.00	853.67	-	-	853.67	853.67	1641.01	-	94.85	62.51	32,03	-	157.37	-
LT. STA.	979+36	to	981+92	13	256.00	369.78	-	-	369.78	369.78	710.83	-	40.62	27.08	14.22	-	67.70	14.58
RT. STA.	979+36	to	981+92	13	256.00	369.78	-	-	369.78	369.78	546.99	-	32.14	20.71	14.22	-	52.85	-
STA.	981+92	to	1038+55	26	5663.00	16359.78	-	-	16359.78	16359.78	23878.98	-	1400.65	916.15	314.61	-	2316.80	644.95
STA.	1038+55	to	1039+05	26	50.00	144.44	144.44	28.89	144.44	144.44	210.83	-	12.37	8.09	2.78	-	20.46	5.69
SIDEROAD	S (SEE RESUR	ACIN	G TABLE-SIDER	OADS)			819.62	240.00	-	-	590.13	-	-	-	-	109.79	-	36.25
DRIVEWAY	/S & MAILBOX	TURN	OUTS &FIELD E	NTRANCE	S (SEE TABI	_E)	342.61	-	-	-	-	21.28	-	-	-	47.97	-	78.93
						TOTALS	1508.90	312	61058.63	61058.63	55236.06	24376.58	3199.90	2094.82	705.83	157.76	5294.73	1946.35

USER NAME = everscl	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2020	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

	SCHEDULI	E OF QU	ANTITIE	S	F.A.P. RTE	SECTION		TOTAL SHEETS	
					542	105RS-4	McDONOUGH	31	13
							CONTRACT	NO. 68	3F22
SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		

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SUBBASE GRANULAR MATERIAL, TYPE A									
LOCATION	QUANTITY		CALCULATED AREA (SQ FT)		WIDTH (FOOT)	DEPTH (IN)	TONS		
GUTTER ENTRANCE	4	51.75				4	5.24		
GUTTER INLET	5	226.5				4	28.66		
	START		STOP						
	971+61.60	to	973+81.29	219.69	3	4	16.68		
LT STA	974+34.71	to	975+73.29	138.58	3	4	10.52		
LISIA	976+26.71	to	977+39.29	112.58	3	4	8.55		
	977+92.71	to	979+24.00	131.29	3	4	9.97		
	973+57.00	to	975+73.29	216.29	3	4	16.42		
RT STA	976+26.71	to	977+36.29	109.58	3	4	8.32		
	977+89.71	to	981+80.0	390.29	3	4	29.63		

GUTTER REMOVAL								
LOCATION	LENGTH (FOOT)							
LT STA	971+50	971+50 to 973+45						
LT &RT STA	973+45	to	979+36	1182.00				
RT STA	979+36	to	981+92	256.00				
			TOTAL	1634				

INLET AND PI	PE PROTEC	CTION
LOCATION	UNIT	QTY
LT STA 974+08	EACH	1
LT STA 976+00	EACH	1
LT STA 977+66	EACH	1
RT STA 976+00	EACH	1
RT STA 977+63	EACH	1
TOTAL	Į.	5

	INSTALL CCTV CAMERA AT RWIS SITE							
	LOCATION	UNIT	QTY					
ſ	JOBSITE	EACH	1					
	TOTAL	1						

SCALE:

CONSTRUCTION STATION LAYOUT								
LOCATION	UNIT	QTY						
JOBSITE	L SUM	1						
TOTAL	1							

GRATES, TYPE A							
LOCATION	UNIT	QTY					
974+08	EACH	2					
TOTAL 2							

TOPSOIL FURNISH & PLACE, 4"										
LOCATION				LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)				
LT STA	971+50	to	973+45	195.40	2	43.42				
LT & RT STA	973+45	to	979+36	1182.00	2	262.67				
RT STA	979+36	6 to 981+92 256.00		256.00	2	56.89				
					TOTAL	362.98				

REPLACEMENT OF SENSORS FOR ROADWAY INFORMATION SYSTEM								
LOCATION	UNIT	QTY						
JOBSITE	JOBSITE L SUM 1							
TOTAL 1								

UPGRADE RPU EQUIPMENT AND COMMUNICATIONS AT RWIS SITE								
LOCATION	UNIT	QTY						
JOBSITE	EACH	1						
TOTAL 1								

TRAFFIC CONTROL & PROTECTION STANDARD 701306							
LOCATION	UNIT	QTY					
JOBSITE	L SUM	1					
TOTAL		1					

TRAFFIC CONTROL & PROTECTION STANDARD 701326							
LOCATION	UNIT	QTY					
JOBSITE	L SUM	1					
TOTAL	TOTAL 1						

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

						F.A.P. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
						542	105RS-4		McDONOUGH	31	14
									CONTRACT	NO. 68	3F22
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS F	ED. A	D PROJECT		

	RESURFACING TABLE - SIDEROADS										
LOCATION	WIDTH 1	WIDTH 2	LENGTH	AREA	HMA SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMPS	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HMA SURFACING	AGGREGATE SHOULDERS TYPE B		
	(FOOT)	(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)	(POUND)	(TON)	(TON)		
RT SIDEROAD 500 N	20	-	30	109.59	109.59	26.67	78.90	13.81	2.68		
LT SIDEROAD 550 N	19	-	30	106.25	106.25	26.67	76.50	13.39	2.68		
LT SIDEROAD 600 N	21	-	30	112.92	112.92	26.67	81.30	14.23	2.68		
RT SIDEROAD 600 N	45	20	7	25.28	25.28	26.67	18.20	3.19	2.16		
RT TEPEE ROAD	21	-	30	112.92	112.92	26.67	81.30	15.81	5.35		
LT SIDEROAD 750 N	20	-	30	109.59	109.59	26.67	78.90	15.34	5.35		
RT SIDEROAD 750 N	45	25	7	27.22	27.22	26.67	19.60	3.81	4.65		
LT SIDEROAD 800 N	21	-	30	112.93	112.93	26.67	81.31	15.81	5.35		
RT SIDEROAD 800 N	18	-	30	102.93	102.93	26.67	74.11	14.41	5.35		
		тот	ALS	819.62	819.62	240.00	590.13	109.79	36.25		

CLASS SI CONCRETE (OUTLET)									
LOCATION				DESCRI	PTION	VOLUME (CU YD)			
LT STA	971+49.60	to	971+61.60	GUTTER E	NTRANCE	1.2			
LT STA	973+81.29	to	974+34.71	GUTTER	INLET	7.28			
LT STA	975+73	to	976+27	GUTTER INLET		7.28			
LT STA	977+39.29	to	977+92.71	GUTTER INLET		7.28			
LT STA	979+24.00	to	979+36.00	GUTTER E	NTRANCE	1.2			
RT STA	973+45.00	to	973+57.00	GUTTER E	NTRANCE	1.2			
RT STA	975+73.29	to	976+26.71	GUTTER	INLET	7.28			
RT STA	977+36.29	to	977+89.71	GUTTER INLET		7.28			
RT STA	981+80.00	to	981+92.00	GUTTER ENTRANCE		1.2			
					TOTAL	41.2			

SHORT-TERM PAVEMENT MARKING									
L	OCATIC	NO	LENGTH	DASH	x3 APPS & x4 APPS	SHORT TERM PAVEMENT MARKING REMOVAL			
			(FOOT)	(FOOT)	(FOOT)	(SQ FT)			
827+50	to	828+00	50	5	15	1.7			
828+00	to	829+00	100	10	30	3.3			
829+00	to	846+53	1753	175	526	58.4			
STA. EQN.	846+5	2.74 (AH)= 84	6+72.06 (B	K)					
846+72	to	866+04	1932	193	580	64			
866+04	to	912+40	4636	464	1391	155			
912+40	to	954+54	4214	421	1686	140			
954+54	to	993+30	3876	388	1550	129			
993+30	to	1039+05	4575	458	1830	153			
	•	TOTA	LS	2114	7607	705			

MODIFIED URETHANE PAVEMENT MARKING - LINE 4"								
LOCATION			LENGTH	MODIFIED URETHANE PAVEMENT MARKING				
	LOCATION			4" WHITE		4" YELLOW		
				LT	RT	CL		
	IL 61		(FOOT)	(FOOT)	(FOOT)	(FOOT)		
912+50	to	1039+05	12655.00	12655	12655	10571		
			TOTAL		35881			

CONCRETE GUTTER, TY A (SPECIAL)									
LOCATION		LENGTH (FOOT)							
LT STA	971+61.60	to	973+81.29	219.69					
LT STA	974+34.71	to	975+73.29	138.58					
LT STA	976+26.71	to	977+39.29	112.58					
LT STA	977+92.71	to	979+24.00	131.29					
RT STA	973+57.00	to	975+73.29	216.29					
RT STA	976+26.71	to	977+36.29	109.58					
RT STA	977+89.71	390.29							
			TOTAL	1319					

	PERI	MET	ER EROSION	N BARRIEF	3
	LOCA	TIOI	V	UNIT	QTY
LT	971+49.60	to	979+36.00	FOOT	786.4
RT	973+45.00	to	981+92.00	FOOT	847
			TOTAL	1633	

N	MULCH METH	HOD	2		
	LOCA	TIOI	V	UNIT	QTY
LΤ	971+49.60	to	979+36.00	ACRE	0.036
RT	973+45.00	to	981+92.00	ACRE	0.038
				TOTAL	0.1

ENGINEER'S FIEL	.D OFFICE,	ΓΥ Α					
LOCATION	UNIT	QTY					
JOBSITE	CAL MO 4						
TOTAL		4					

UNIT

L SUM

QTY

1

MOBILIZATION LOCATION

JOBSITE

TOTAL

CONSTRUCTION	CONSTRUCTION LAYOUT										
LOCATION	UNIT	QTY									
JOBSITE	L SUM	1									
TOTAL	1										

CIR-FDR EMULSIFIED ASPHALT									
LOCATION	UNIT	QTY							
JOBSITE	GALLON 91587.95								
TOTAL	91	588							

1.0	CATI	ON	LENGTH	PAINT PAVEMENT MARKING						
	CAII	ON	LENGIH	4" W	4" WHITE					
				LT	RT	CL				
	IL 61	!	(FOOT)	(FOOT)	(FOOT)	(FOOT)				
827+50 to 846+53		846+53	1902.74	1903	1903	3806				
STA. EQN. 846+52.74 (AH) = 846+72.06 (BK)										
846+72	to	912+50	6578.00	6578 6578		5831				
			TOTAL		53196					

PAINT PAVEMENT MARKING - LINE 4"

SCALE:

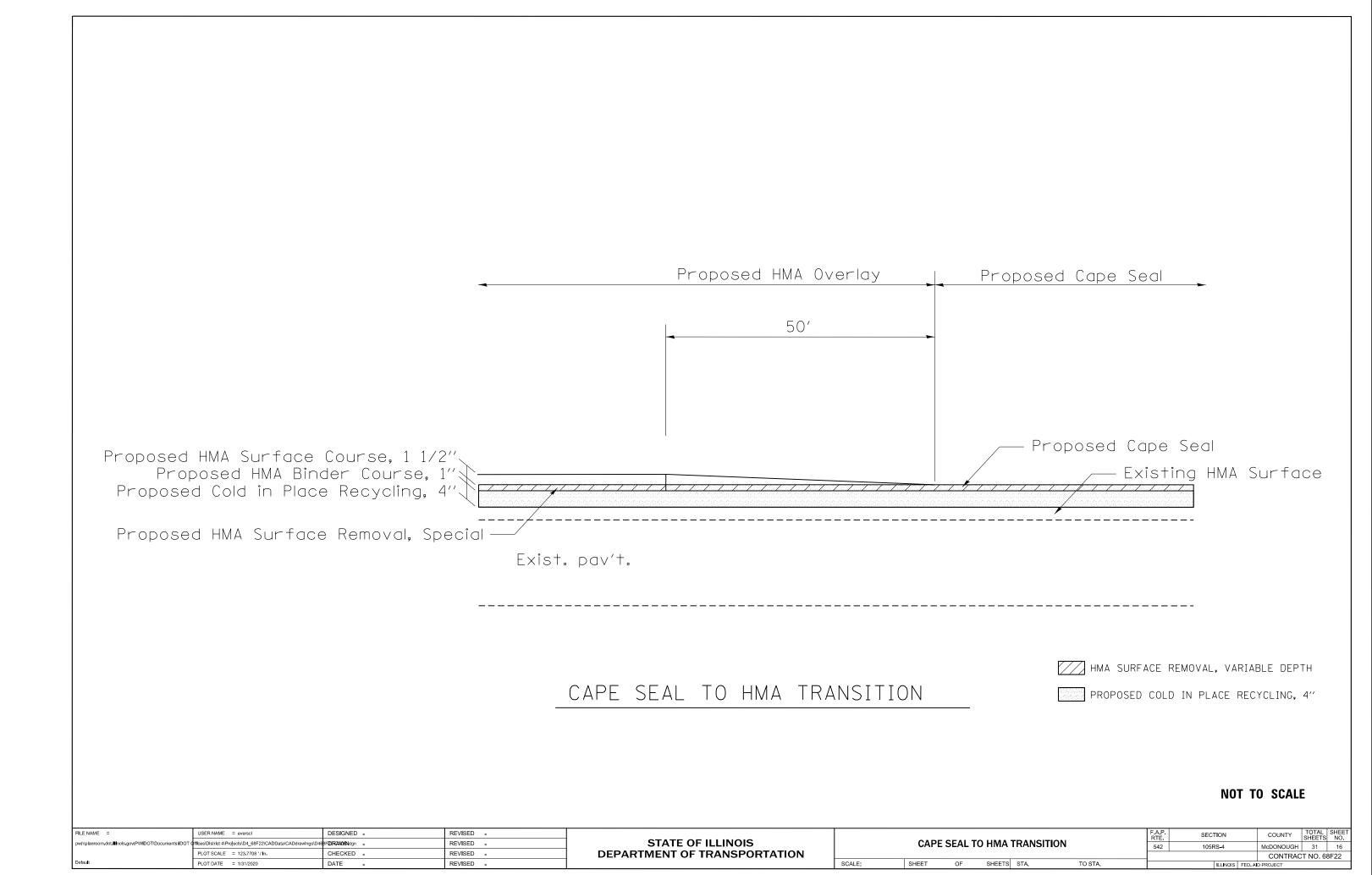
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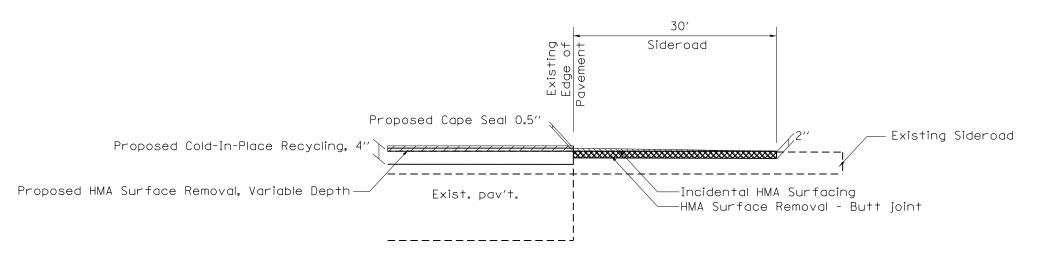
STATE 0	F ILLINOIS
<b>DEPARTMENT OF</b>	TRANSPORTATION

	SCHEDUL	F.A.P. RTE	SEC <sup>-</sup>	COUNTY	TOTAL SHEETS	SHEET NO.						
				542	105F	lS-4		McDonough	31	15		
									CONTRACT	3F22		
SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS F			ID PROJECT			

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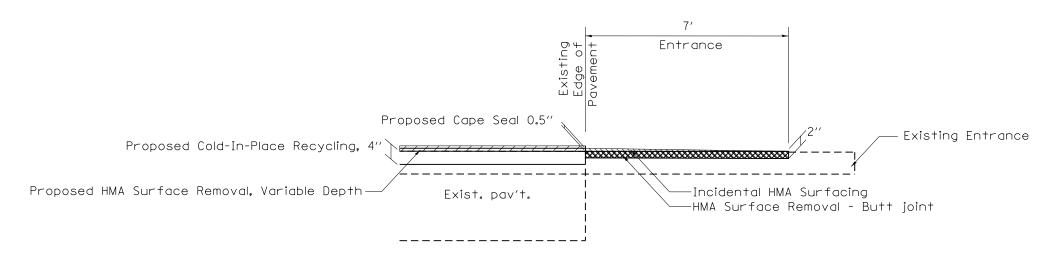
## DETAIL AT CAPE SEAL SIDEROADS

500 N 550 N 600 N (LT)

HMA SURFACE REMOVAL, VARIABLE DEPTH

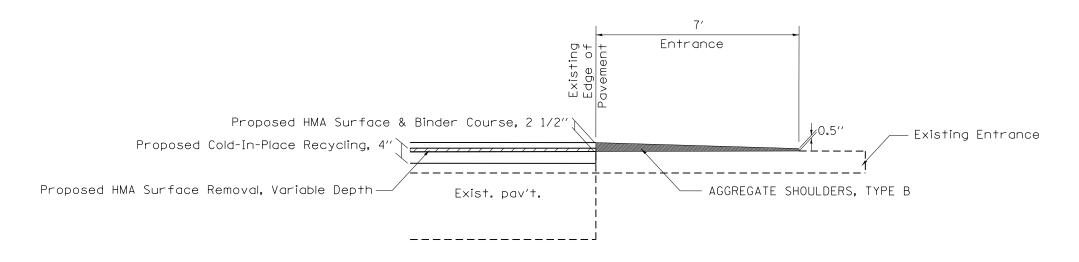
INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL - BUTT JOINT

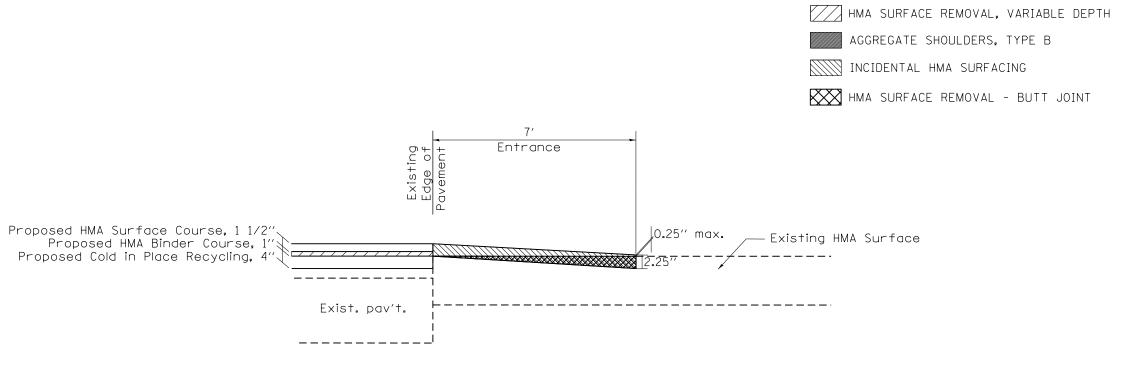


## DETAIL AT CAPE SEAL BITUMINOUS ENTRANCES

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	PLOT SCALE = 123.7708'/ln.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								CONTRA	ACT NO. 68F22
Default	PLOT DATE = 1/31/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT	



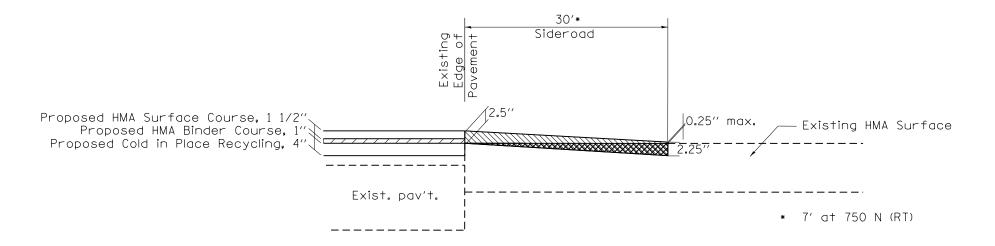
## DETAIL AT AGGREGATE ENTRANCES



## DETAIL AT BITUMINOUS ENTRANCES

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	PLOT SCALE = 123.7708 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						012	100110-4	CONTRAC	CT NO. 68F22
Default	PLOT DATE = 1/31/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.	<b>-</b>	ILLINOIS FED. A	D PROJECT	

DETAIL in OVERLAY LOCATIONS STA. 912+50 TO 1039+05



HMA SURFACE REMOVAL, VARIABLE DEPTH

AGGREGATE SHOULDERS, TYPE B

INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL - BUTT JOINT

## DETAIL AT HMA SIDEROADS

TEPEE ROAD 750 N (LT) 750 N (RT)\* 800 N

FILE NAME =	USER NAME = eversol	DESIGNED -	REVISED -							F.A.P.	SECTION	COUNTY	TOTAL	SHEET
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	PLOT SCALE = 123.7708 ' / In.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								CONTRAC	CT NO. 6	8F22
Default	PLOT DATE = 1/31/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

#### **CONSTRUCTION NOTES**

- EXISTING UTILITY LOCATION INFORMATION IS NOT SHOWN ON THE PLAN SHEETS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES PRIOR TO THE INSTALLATION OF ANY COMPONENTS. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS AND TERRAIN PRIOR TO COMMENCING WORK ON THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING A SITE VISIT TO VERIFY EXISTING FIELD CONDITIONS PRIOR TO BIDDING AS THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
- 3. ANY MAINTENANCE OF EXISTING ELECTRICAL FACILITIES WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- 4. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- 6. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
- 7. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
- 8. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
- ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE RWIS UPGRADES.
- 11. REMOVAL OF EXISTING ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE PROPOSED ITEMS.
- 12. THE RWIS EQUIPMENT FURNISHED UNDER THIS CONTRACT SHALL BE COMPATIBLE WITH THE EXISTING STATEWIDE RWIS (ROADWAY WEATHER INFORMATION SYSTEM). ALL EQUIPMENT SHALL BE FURNISHED AND COMMISIONED BY VAISALA TO ENSURE COMPATIBILITY WITH AND INTEGRATION INTO THE STATEWIDE SYSTEM.
- 13. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER FOR SENSOR LOCATION APPROVAL PRIOR TO COMMENCING WORK.
- 14. ROADWAY SENSORS SHALL BE INSTALLED IN THE MIDDLE OF THE TRAFFIC LANES.
- 15. THE CONTRACTOR SHALL FURNISH AND INSTALL CONDUITS, NON-METALLIC CONDUIT, JUNCTION BOXES, BRACKETS, HARDWARE, AND ALL OTHER ITEMS REQUIRED TO INSTALL NEW CONDUIT, REPAIR EXISTING FACILITIES, AND INSTALL THE PROPOSED SENSORS.
- 16. ALL CONDUITS, BRACKETS, AND HARDWARE SHALL BE GALVANIZED OR STAINLESS STEEL
- 17. ALL JUNCTION BOXES SHALL BE STAINLESS STEEL.
- 18. ALL WORK SHALL CONFORM TO NEC REQUIREMENTS.
- 19. THE CONTRACTOR MAY RE-USE EXISTING CONDUITS AND JUNCTION BOXES PROVIDED THEY ARE IN GOOD SHAPE. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY COMPONENTS THAT ARE MISSING, DAMAGED, OR CORRODED TO THE POINT WHERE FAILURE IS IMMINENT.
- 20. THE CONTRACTOR SHALL ENSURE THAT THE CONDUIT SYSTEM IS COMPLETE AND CONTINUOUS FOR FUTURE USE. THE CONTRACTOR SHALL INSTALL ADDITIONAL SUPPORTS WHERE NEEDED TO ANCHOR CONDUIT, JUNCTION BOXES, AND OTHER COMPONENTS.
- 21. THE CONTRACTOR SHALL SEAL ALL HOLES AND INGRESS POINTS IN CONDUITS, JUNCTION BOXES, CABINET, AND OTHER COMPONENTS TO PREVENT WATER INTRUSION AND RODENT ENTRY.
- 22. THE CONTRACTOR SHALL DELIVER ALL RWIS REMOVAL ITEMS TO THE DEPARTMENT FOR USE IN THE MAINTENANCE AND REPAIR OF OTHER RWIS SITES. THE CONTRACTOR SHALL DELIVER ALL ITEMS TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR., PEORIA. THE CONTRACTOR SHALL NOTIFY TONY BRIDSON AT (309) 370-7522 A MINIMUMOF FORTY-EIGHT HOURS PRIOR TO DELIVERY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "UPGRADE RPU EQUIPMENT AND COMMUNICATIONS AT RWIS SITE".



EXISTING RWIS SITE — IL 61

**COLMAR** 

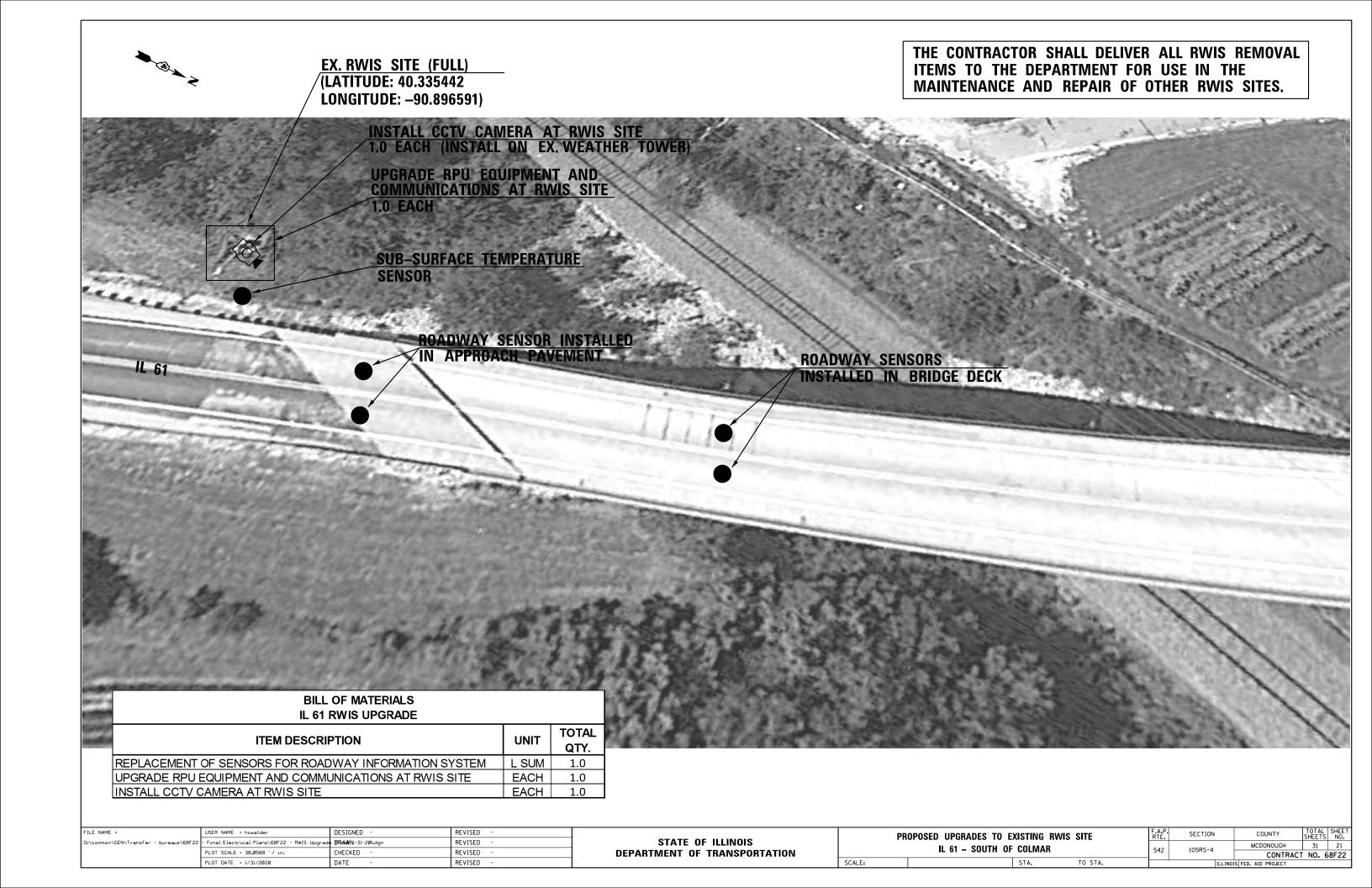


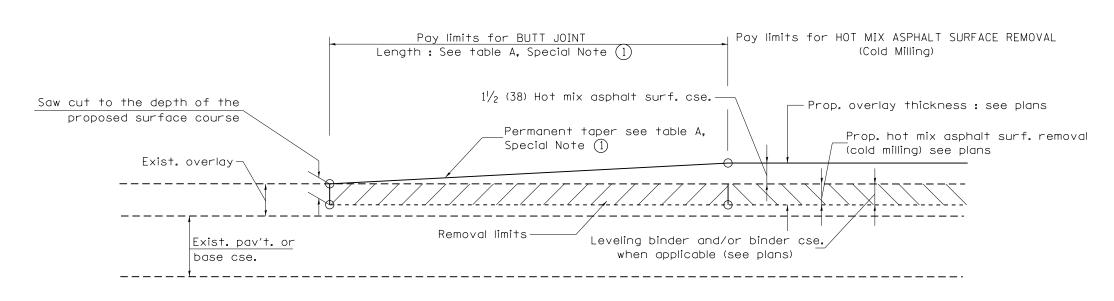
**EXISTING RWIS TOWER** 

FILE NAME =	USER NAME = howalder	DESIGNED -	REVISED -
0:\common\GEN\Transfer - bureaus\68F22	- Final Electrical Plans\68F22 - RWIS Upgrade	DRAMN-31-20).dgn	REVISED -
	PLOT SCALE = 38.0588 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 1/31/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RWIS CONSTRUCTION NOTES AND EXISTING SITE PICTURES





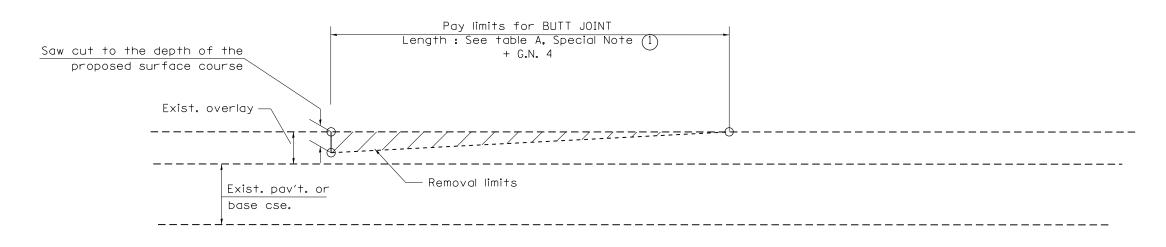
## CASE 1: WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

## TABLE A TAPER RATES

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

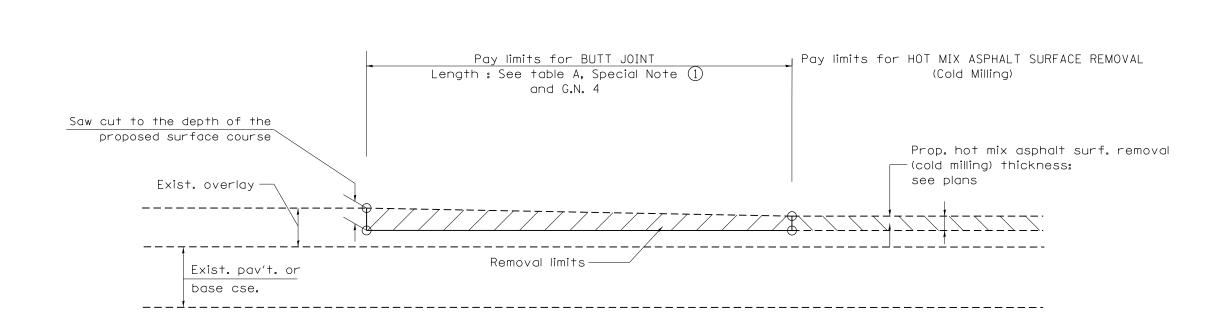
## GENERAL NOTES

- 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.

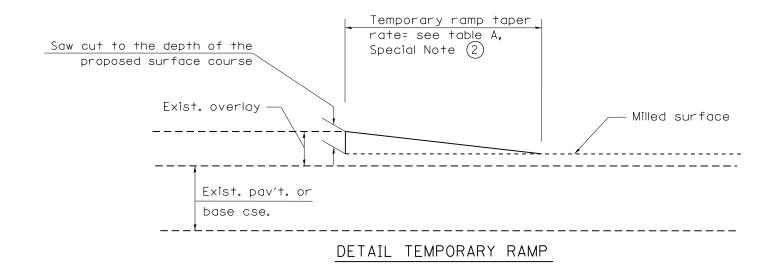


## CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

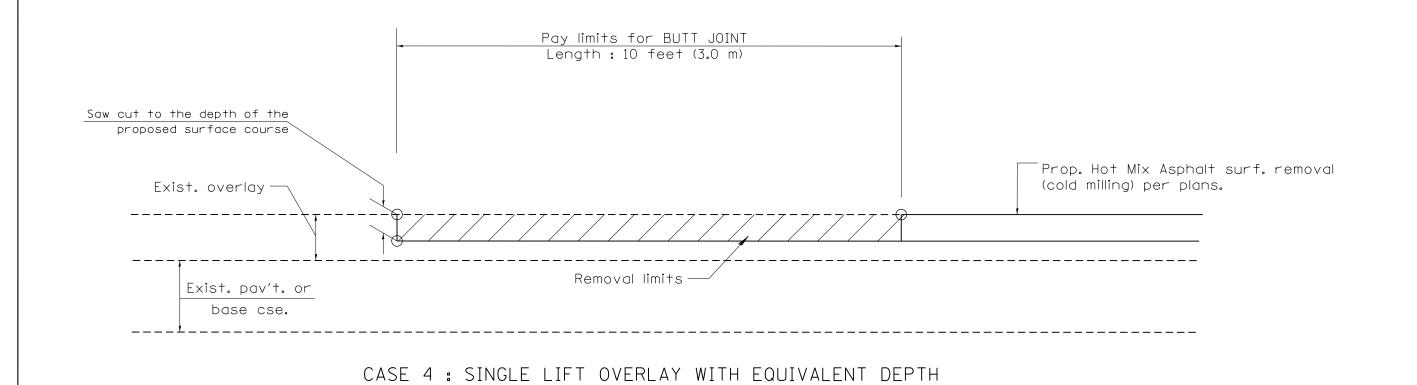
01-01-97 RENUM. C-23.01, NEW REVISION BOX T.P.	08-21-13 MAJOR MODIFICATIONS	R.D.			RTE.	SECTION	COUNTY SHEETS NO.
04-01-97 CORRECTION TO DEPTH J.A.	02-29-16 MINOR CORRECTIONS	R.D.	STATE OF ILLINOIS	BUTT JOINTS	542	105RS-4	McDONOUGH 31 22
09-15-05 REVISED DESIGNER NOTE M.M.A.	04-12-16 MINOR CORRECTIONS	R.D.	DEPARTMENT OF TRANSPORTATION	SHT, 1 OF 3			CONTRACT NO. 68F22
10-16-06 REVISED TO 2007 SPEC. M.A.	O2-14-17 ADDED NOTE 5	R.D.	NOT TO SCALE	CADD STD. 406101-D4	FED. ROAD DIST.	. NO. ILLINOIS FED.	. AID PROJECT



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



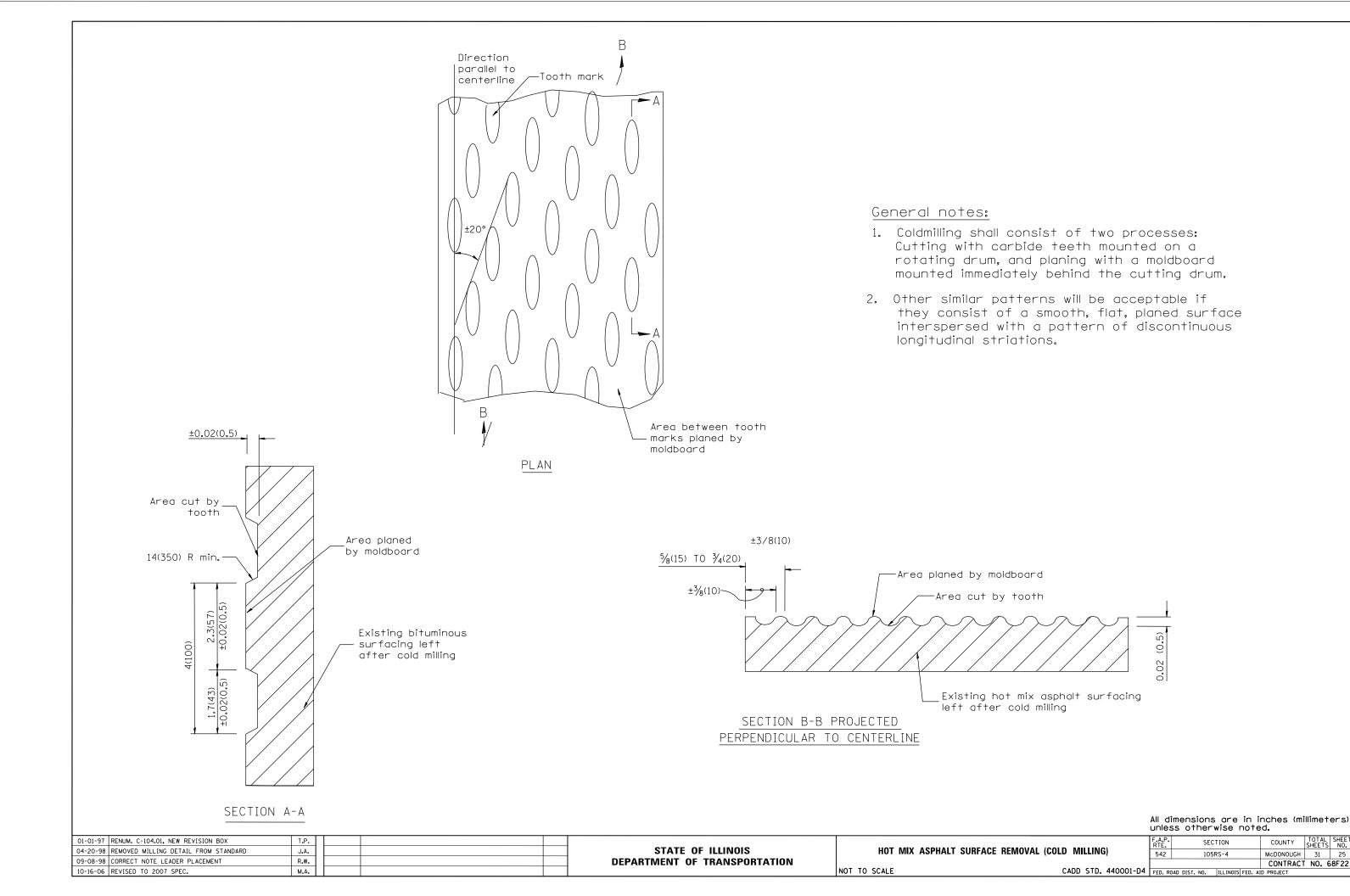
						ECTION	COUNTY TOTAL SHEET NO.
		STATE OF ILLINOIS	BUTT JOINTS		542 10	05RS-4	McDONOUGH 31 23
		DEPARTMENT OF TRANSPORTATION		SHT. 2 OF 3			CONTRACT NO. 68F22
			NOT TO SCALE	CADD STD. 406101-D4	FED. ROAD DIST. NO.	ILLINOIS FED. AI	D PROJECT

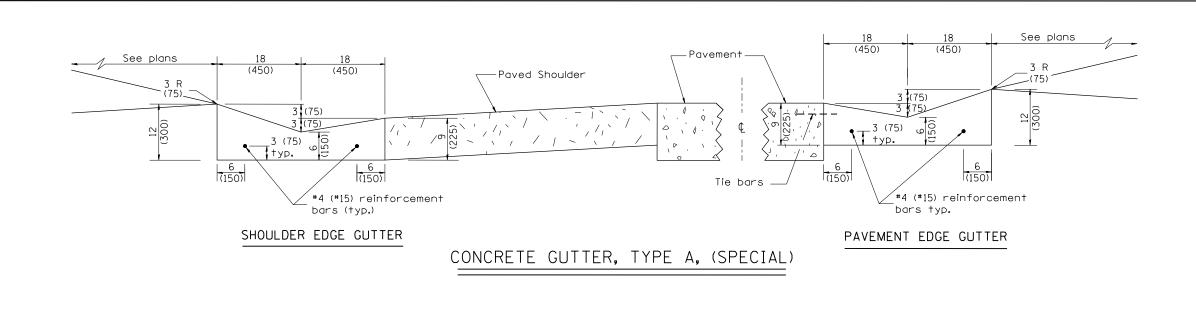


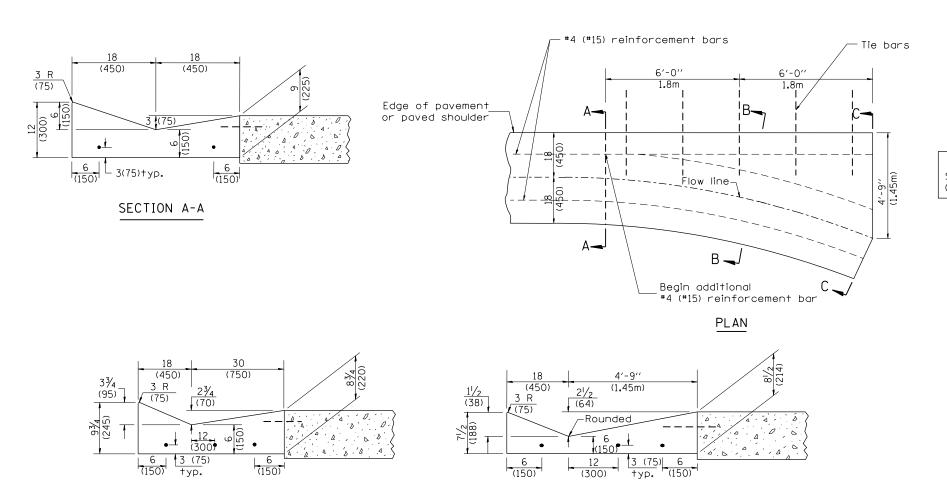
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TIE-IN TO EXISTING BITUMINOUS TAPER

_				F   F		CTION	COUNTY	TOTAL SHEET SHEET NO.
		STATE OF ILLINOIS	BUTT JOINTS		542 105	SRS-4	McDONOUGH	31 24
		DEPARTMENT OF TRANSPORTATION		SHT. 3 OF 3				NO. 68F22
			NOT TO SCALE	CADD STD. 406101-D4	ED. ROAD DIST. NO.	ILLINOIS FED. AID	PROJECT	







 $\frac{\text{QUANTITY}}{\text{Section C-C to A-A= 1.2 cu. yd.}}$  Section C-C to A-A= 1.2 cu. yd. (0.92 m³) concrete.

## GENERAL NOTES:

- 1. CONCRETE GUTTER, TYPE A, (SPECIAL) shall conform to the applicable portions of Section 606.
- 2. Tie bars shall be No. 6x24 (No. 19x600) at 36" (900mm) centers unless otherwise shown.
- 3. Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
- 4. Joints shall be constructed in accordance with Article 606.06.
- 5. Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 58 lbs/100 sq.ft. (2.83 kg/m²).

SECTION B-B

QUANTITIES

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION;

DOCUMENTATION SECTION

DATE:

DATE:

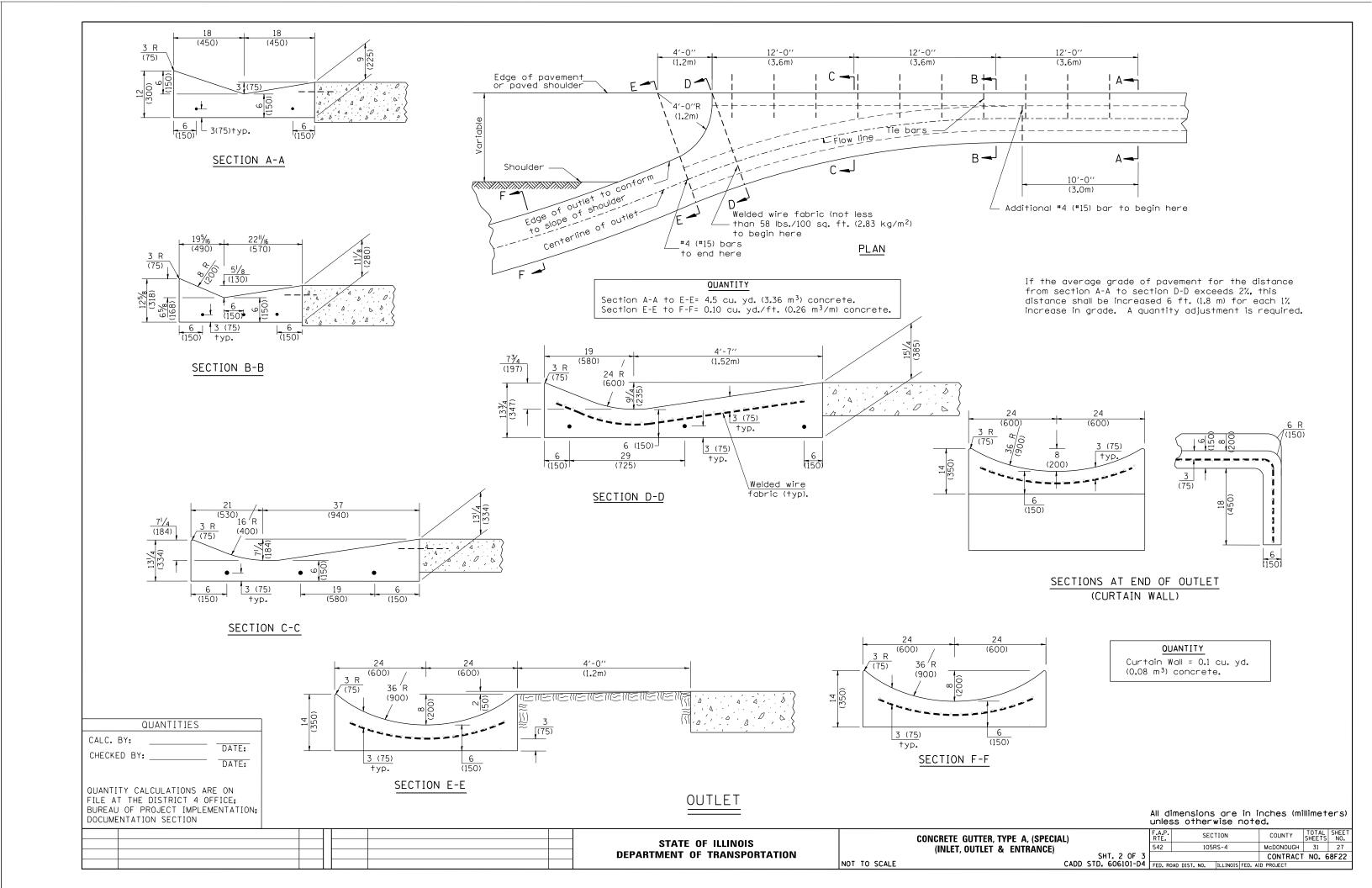
CALC. BY:

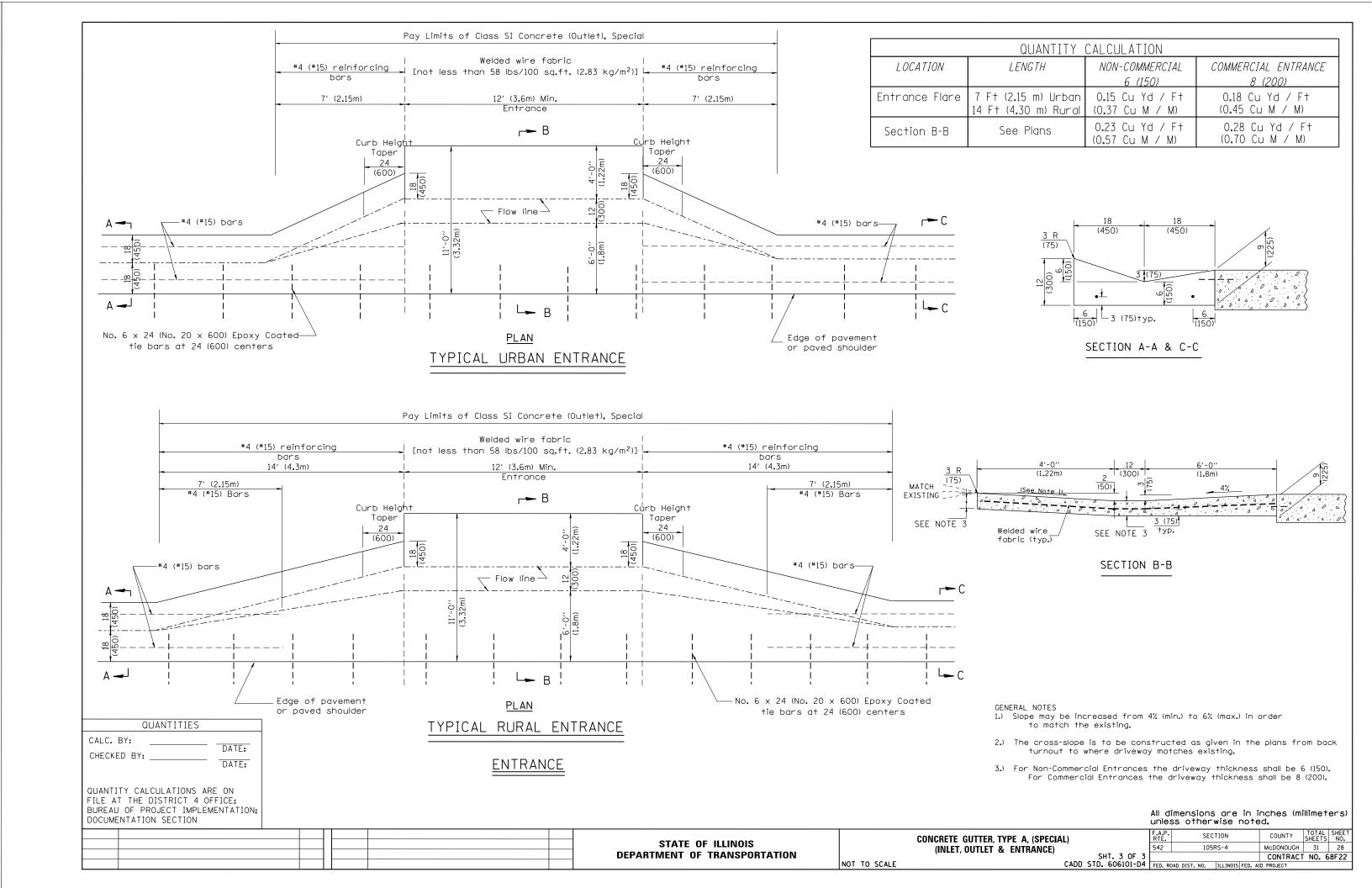
CHECKED BY:

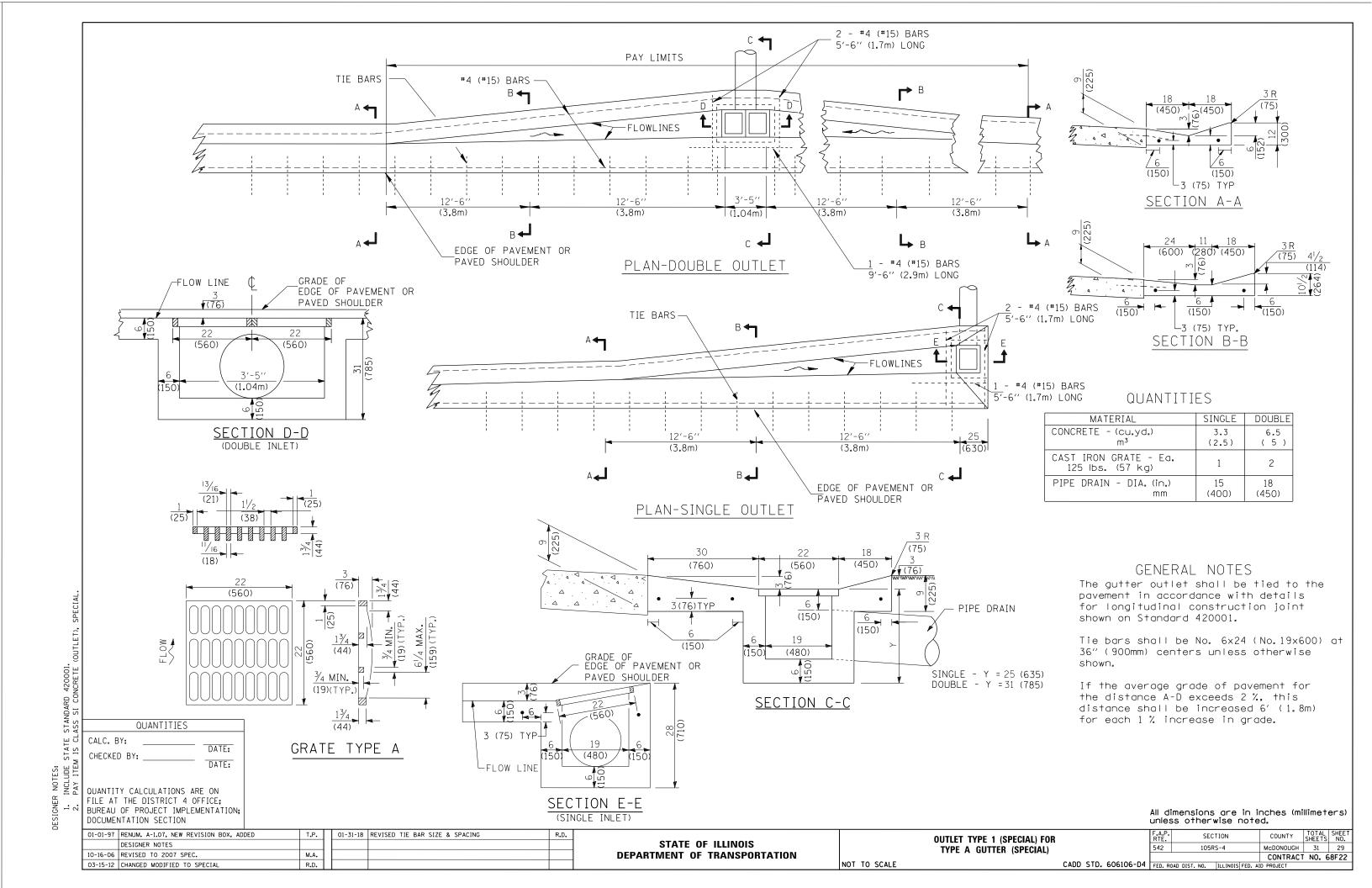
INLET

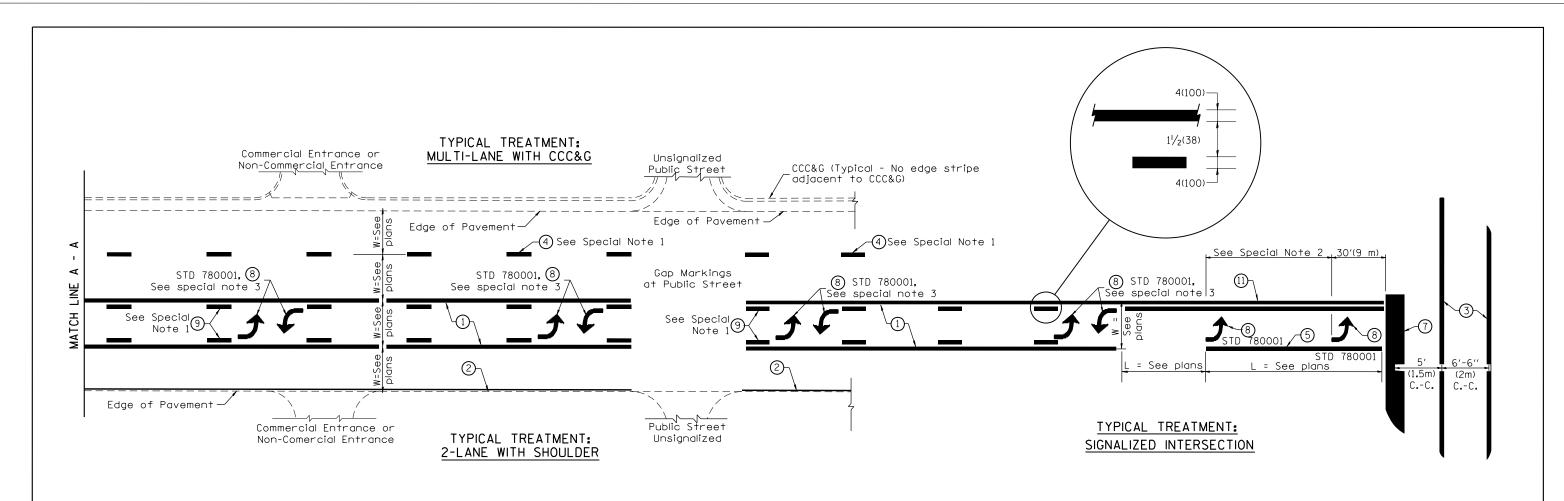
SECTION C-C

01-01-97 RENUM. A-1.02, NEW REVISION BOX, ELIMINATED	T.P.	01-10-07 REVISED QUANTITY	M.A.		CONCRETE GUTTER, TYPE A, (SPEC	IAI\	F.A.P.	SECTION	COUNTY	TOTAL SHEET
EXPANSION ANCHOR TIES		11-16-07 REVISED QUANTITY	M.A.	STATE OF ILLINOIS	(INLET, OUTLET & ENTRANCE)		542	105RS-4	McDONOUGH	31 26
02-28-02 ENTRANCE TYPICALS REVISED	M.A.	02-15-11 CHANGED MODIFIED TO SPECIAL	R.D.	DEPARTMENT OF TRANSPORTATION	(INLET, OUTLET & ENTRANGE)	SHT. 1 OF 3	3		CONTRACT	NO. 68F22
10-16-06 REVISED TO 2007 SPEC.	M.A.	01-31-18 REVISED TIE BAR SIZE & SPACING	R.D.		NOT TO SCALE	CADD STD. 606101-D4	FED. ROAD	DIST. NO.   ILLINOIS FED.	AID PROJECT	









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

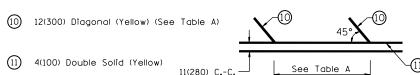
#### TYPICAL PAVEMENT MARKING LEGEND

(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)
- 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)
- 10' 30' 10' (See Special Note 1)

(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) 10' (3.05m)



#### SPECIAL NOTES

- Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
- 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).

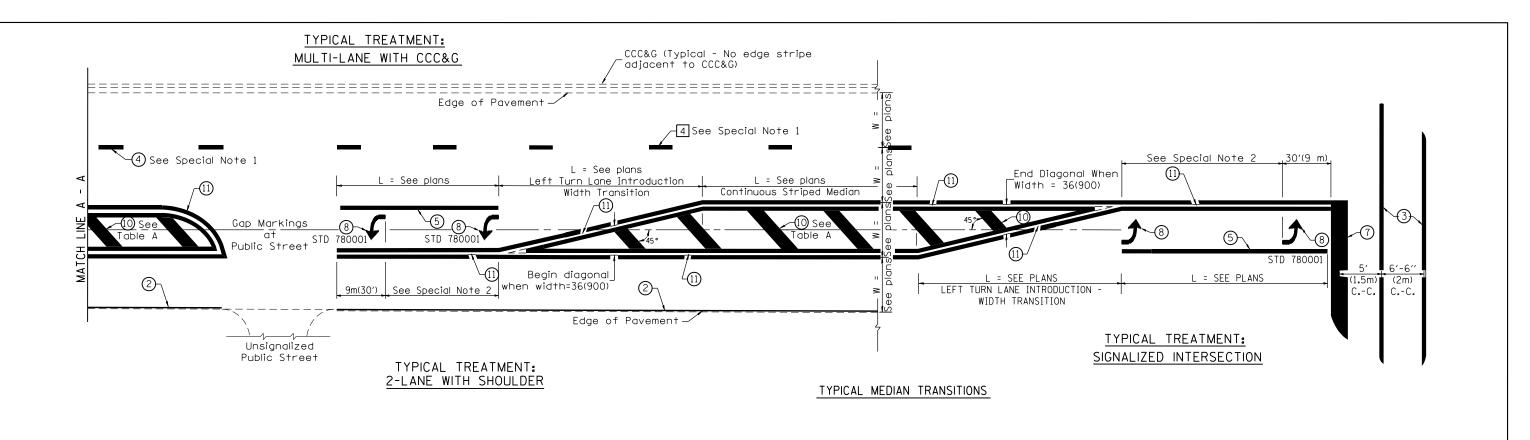
#### GENERAL NOTES

- Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
- 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.
02-07-97 ADD BI DIRECTIONAL DIMENSION J.A.
10-97 CORRECT BI DIRECTIONAL DIMENSION J.A.
08-02 ADD CROSSWALK DMNS. WITH T.S. M.A.

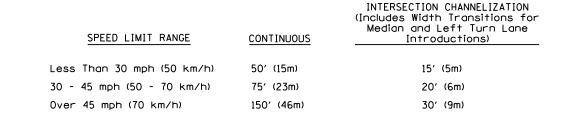
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

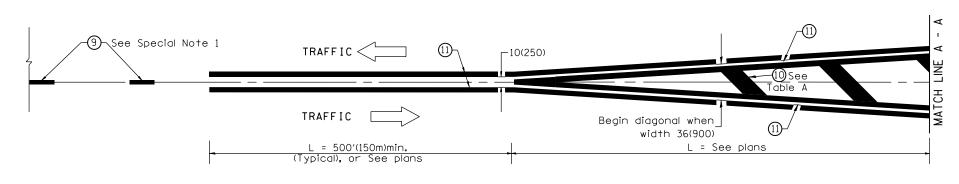
TYPICAL PAVEMENT MARKINGS



## FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

## TABLE A RECOMMENDED SPACING BETWEEN DIAGONAL LINES





MEDIAN INTRODUCTION - WIDTH TRANSITIONS

	STATE OF ILLINOIS PARTMENT OF TRANSPORTATION  NOT TO SCALE	342 103K3-4 MCD0N0B0H 31	SHE NO 31 <b>68F2</b>
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