

112

04-24-2020 LETTING ITEM 112

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	1
		ILLINOIS	CONTRACT NO. 68A81	

INDEX OF SHEETS

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- 2.-4. GENERAL NOTES /JOB SPECIFIC NOTES & COMMITMENTS
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- 21. LINE DIAGRAM
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- 27. HOT MIX ASPHALT DEPTH
- 28. ABANDONED RAILROAD REMOVAL
- 29. TEMPORARY INLET DRAINAGE TREATMENT
- 30.-32. INTERSECTION STRIPING DETAILS
- 33.-45. TRAFFIC SIGNAL AND OVERHEAD LIGHTING PLANS
- 46.-53. DISTRICT CADD STANDARDS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 318 (IL 29)
SECTION 8RS-6, 9RS-3; 10RS-7
PROJECT NO.: NHPP-A059(293)
RESURFACING
PEORIA COUNTY

C-94-040-12

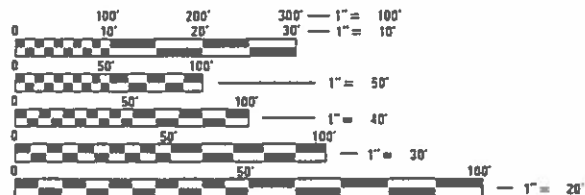
HIGHWAY STANDARDS

442101-09	701602-10
630001-12	701901-08
630106-02	780001-05
631011-10	782006-01
701421-08	821101-02
701426-09	886001-01
701601-09	886006-01

DISTRICT STANDARDS

406101-D4	630101-D4
440001-D4	780001-D4

ADT	=	9516
MU (%)	=	3.81
SU (%)	=	3.10



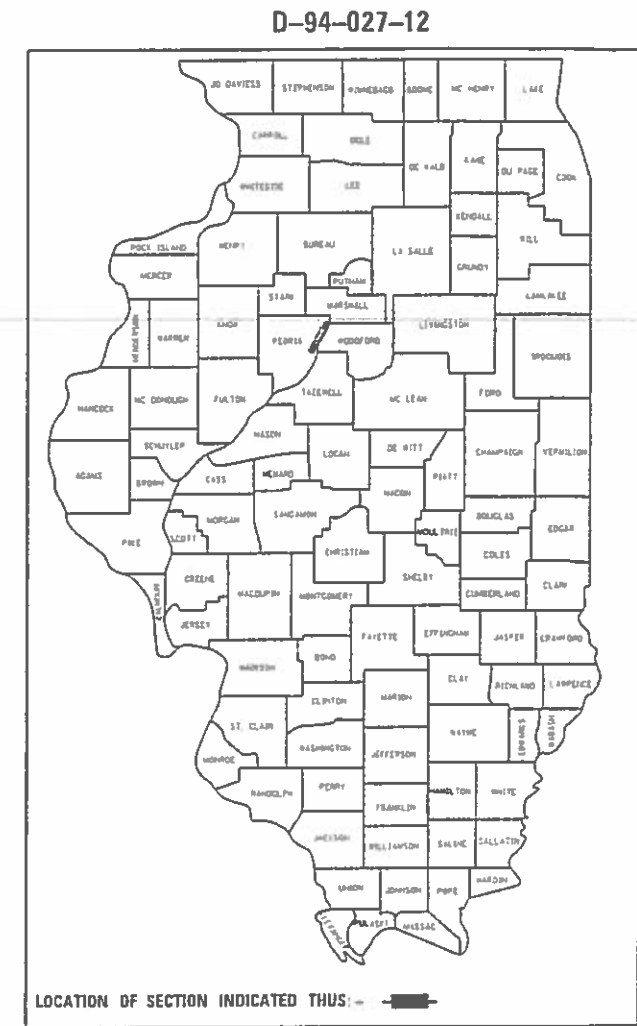
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: SAMPSON ADADE 309-671-3467
PROJECT MANAGER: MICHAEL LEWIS 309-671-3454

CONTRACT NO. 68A81
CATALOG NO. 034755-00D

GROSS LENGTH = 34,997 FT. = 6.63 MILES
NET LENGTH = 34,997 FT. = 6.63 MILES



DESCRIPTION OF WORK:
THIS PROJECT INVOLVES RESURFACING ON IL 29 FROM 0.2 MI SOUTH OF CLOVERDALE ROAD IN CHILlicothe TO DICKISON RUN CREEK, NORTH OF IL 6.

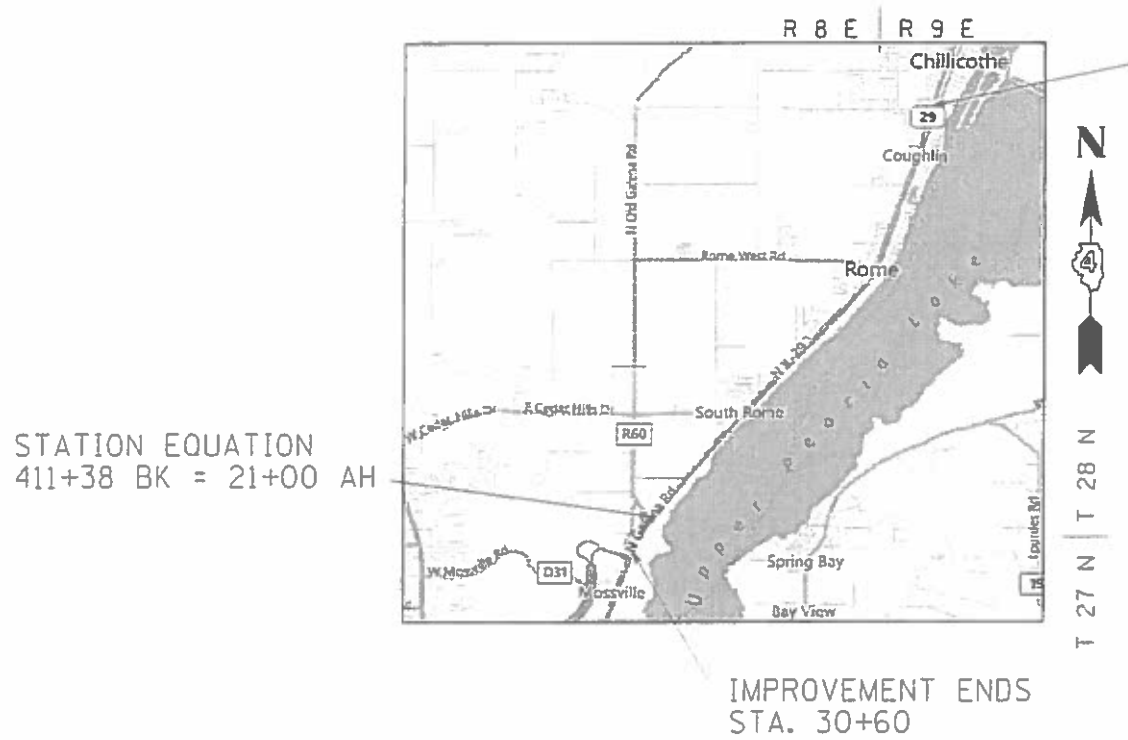
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb 07, 20 20
Kensel A. Garnett, P.E.
REGIONAL ENGINEER

Mark Z...
as E.A. Etk...
ENGINEER OF DESIGN AND ENVIRONMENT

Mark Z...
Garnett, Jim
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



STATION EQUATION
411+38 BK = 21+00 AH

IMPROVEMENT BEGINS
STA. 70+80

IMPROVEMENT ENDS
STA. 30+60

AVAILABILITY OF ELECTRONIC FILES

MicroStation and GEOPAK files of this project will be made available to the Contractor after contract award. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.
NO COMMITMENTS WERE MADE.

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.

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 Resources 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 environmental clearances and six weeks for the required borrow site environmental clearances.

CROSSING EXISTING STRUCTURES WITH EQUIPMENT

The following structures may be crossed with the empty MTD with the following weight restrictions:
 072-0015 (40 tons)
 072-0016 (40 tons)
 Any structures not listed above shall be verified by the resident prior to beginning work.

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USER NAME = hudelsonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES /JOB SPECIFIC NOTES & COMITMENTS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -				318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	2	
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -		SCALE:		SHEET OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT	
PLOT DATE = 2/7/2020	DATE -	REVISED -		CONTRACT NO. 68A81							

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 (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.

TRANSITION PAYMENT METHOD – NEW/OLD CONSTRUCTION

Ten feet (10 ft.) (3 m) transitions shall be used to match proposed items of work to existing items in the field unless otherwise shown. The transition shall be paid for at the contract unit price for the proposed item of work specified.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

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

TAPER REMOVAL @ FRAME & GRATES ADJUSTED BY OTHERS

At locations where frames and grates have previously been adjusted by others and they are surrounded by hot-mix asphalt tapers, the Contractor for this contract shall remove and dispose of the hot-mix asphalt taper material prior to the placement of the hot-mix asphalt surface course. This work will not be paid for separately, but will be considered as included in the cost of the HOT-MIX ASPHALT SURFACE COURSE pay item.

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.

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DRAWN -	REVISED -	318			8RS-6, 9RS-3, 10RS-7	PEORIA	53	3	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68A81				
PLOT DATE = 2/7/2020	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	POLYMER SMA SURFACE COURSE (1.75")
AC/PC:	SBS OR SBR 76-28
Design Air Voids:	4.0% N = 80
Mixture Composition: (Gradation Mixture):	IL 9.5
Friction Aggregate:	MIXTURE E
Quality Management:	PFP

Mixture Use(s):	POLYMER BINDER 2"
AC/PC:	SBS OR SBR 76-28
Design Air Voids:	4.0% N = 70
Mixture Composition: (Gradation Mixture):	IL 9.5
Friction Aggregate:	N.A.
Quality Management:	PFP

Mixture Use(s):	POLYMER SURFACE 2" (TURN LANES AND MEDIAN)
AC/PC:	SBS OR SBR 76-28
Design Air Voids:	4.0% N = 70
Mixture Composition: (Gradation Mixture):	IL 9.5
Friction Aggregate:	N.A.
Quality Management:	QC/QA

Mixture Use(s):	INCIDENTAL SURFACE (IF NEEDED)
AC/PC:	PG 64-22
Design Air Voids:	4.0% N = 50
Mixture Composition: (Gradation Mixture):	IL 9.5
Friction Aggregate:	MIXTURE C
Quality Management:	QC QA

Notes:

- 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.
- 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 1,000 tons, unless otherwise agreed to by the Engineer and the paving Contractor.

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 DATE: 2/7/2020

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES /JOB SPECIFIC NOTES & COMMITMENTS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	4
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0006	0021	0006
				PEORIA COUNTY	PEORIA COUNTY	PEORIA COUNTY
				80% FED 20% STATE	80% FED 20% STATE	0% FED 100% STATE
25000750	MOWING	ACRE	37			37
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	390216	390216		
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	3905	3905		
40600990	TEMPORARY RAMP	SQ YD	2032	2032		
40603208	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	21484	21484		
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	6085	6085		
40605024	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "E", N80	TON	20163	20163		
40800050	INCIDENTAL HOT - MIX ASPHALT SURFACING	TON	604	604		
44000151	HOT - MIX ASPHALT SURFACE REMOVAL, 1/2"	SQ YD	44473	44473		
44000156	HOT - MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	23213	23213		
44000158	HOT - MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	207782	207782		
44000164	HOT - MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	26446	26446		
44201019	CLASS B PATCHES, TYPE II, 14 INCH	SQ YD	2371	2371		
44201023	CLASS B PATCHES, TYPE III, 14 INCH	SQ YD	48	48		

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PLOT DATE = 2/7/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	5
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0006	0021	0006
				PEORIA COUNTY	PEORIA COUNTY	PEORIA COUNTY
				80% FED 20% STATE	80% FED 20% STATE	0% FED 100% STATE
44201025	CLASS B PATCHES, TYPE IV, 14 INCH	SQ YD	434	434		
44201299	DOWEL BARS 1 1/2"	EACH	608	608		
44213000	PATCHING REINFORCEMENT	SQ YD	516	516		
44213200	SAW CUTS	FOOT	4065	4065		
44213204	TIE BARS 3/4"	EACH	80	80		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	4132	4132		
48203100	HOT - MIX ASPHALT SHOULDERS	TON	8758	8758		
60260100	INLETS TO BE ADJUSTED	EACH	16	16		
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	580.5	580.5		
* 63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	87.5	87.5		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	3		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3		
63200310	GUARDRAIL REMOVAL	FOOT	358	358		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10		

*= SPECIALTY ITEM

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PLOT DATE = 2/7/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	6
				CONTRACT NO. 68A81
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0006	0021	0006
				PEORIA COUNTY	PEORIA COUNTY	PEORIA COUNTY
				80% FED 20% STATE	80% FED 20% STATE	0% FED 100% STATE
67100100	MOBILIZATION	L SUM	1	1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1		
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1		
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	60		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	12354	12354		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4118	4118		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1966.4	1966.4		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	137269	137269		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	69410	69410		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	9123	9123		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2988	2988		

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	7
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0006	0021	0006
				PEORIA COUNTY 80% FED 20% STATE	PEORIA COUNTY 80% FED 20% STATE	PEORIA COUNTY 0% FED 100% STATE
* 70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	211	211		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1966.4	1966.4		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	137269	137269		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	69410	69410		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	9123	9123		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2988	2988		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	211	211		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1267	1267		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	12	12		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1267	1267		
* 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	9		9	
* 82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 60 AMP	EACH	1		1	
* 88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	5		5	

*= SPECIALTY ITEM

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SUMMARY OF QUANTITIES

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318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	8
CONTRACT NO. 68A81				

ILLINOIS FED. AID PROJECT

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				0006	0021	0006
				PEORIA COUNTY	PEORIA COUNTY	PEORIA COUNTY
				80% FED 20% STATE	80% FED 20% STATE	0% FED 100% STATE
X 88600100	DETECTOR LOOP, TYPE I	FOOT	2218		2218	
X X0322986	MICROWAVE DETECTION UNIT	EACH	1		1	
X X0325922	CELLULAR MODEM	EACH	2		2	
X X0326812	CAT 5 ETHERNET CABLE	FOOT	130.5		130.5	
X X0326851	ADJUST EXISTING DETECTOR LOOP RISER	EACH	11		11	
X X1400179	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1		1	
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	1966.4	1966.4		
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	137269	137269		
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	69410	69410		
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	9123	9123		
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	2988	2988		
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	211	211		
X X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1		1	
XZ013798	CONSTRUCTION STATION LAYOUT	L SUM	1	1		

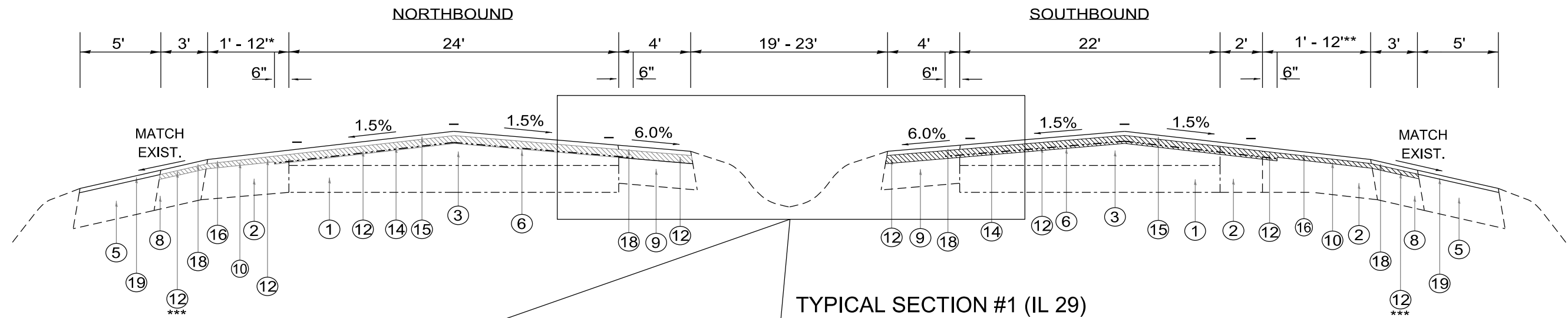
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**STATE OF ILLINOIS
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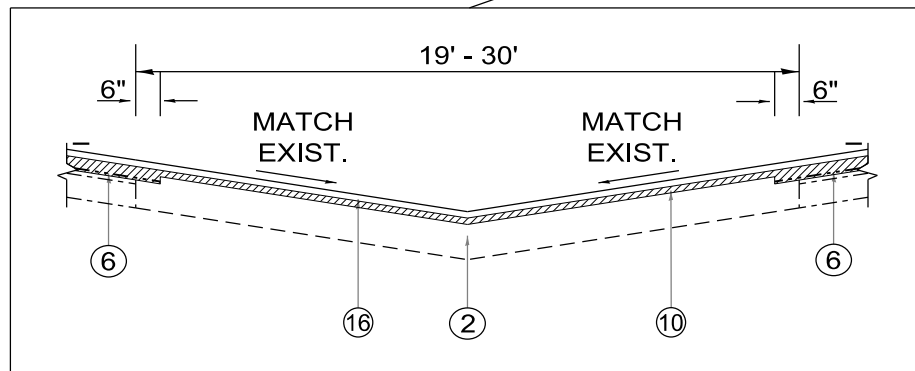
SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	9
CONTRACT NO. 68A81				
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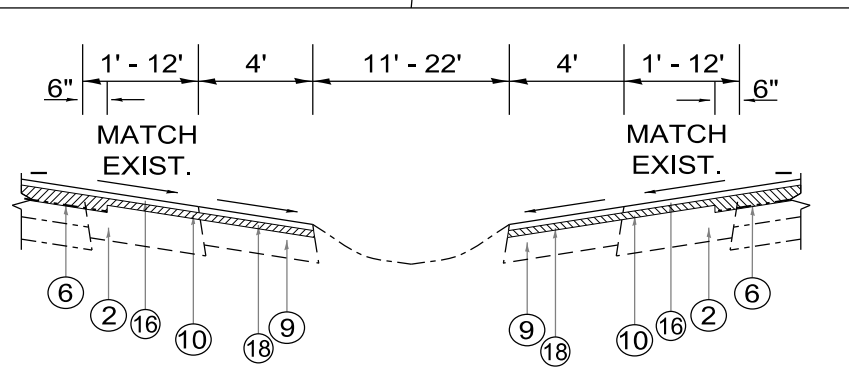


TYPICAL SECTION #1 (IL 29)
 STA 74+20 TO 310+75
 STA 317+75 TO 333+00

* NORTHBOUND RIGHT TURN LANES
 STA 171+50 TO 177+00
 **SOUTHBOUND RIGHT TURN LANES
 STA 308+24 TO 310+75
 STA 115+30 TO 117+70
 STA 166+00 TO 171+00
 *** MILL OUTSIDE SHOULDER 2.25" IF NO TURN LANE



- | | |
|----------------------|----------------------|
| STA 74+20 TO 75+12 | STA 203+39 TO 204+40 |
| STA 77+82 TO 78+63 | STA 210+76 TO 213+53 |
| STA 90+25 TO 91+33 | STA 217+71 TO 218+61 |
| STA 104+27 TO 105+27 | STA 223+39 TO 224+28 |
| STA 118+25 TO 119+23 | STA 233+42 TO 234+50 |
| STA 126+81 TO 127+79 | STA 245+49 TO 246+42 |
| STA 158+53 TO 159+60 | STA 260+19 TO 261+80 |
| STA 162+61 TO 163+82 | STA 266+82 TO 267+73 |
| STA 165+61 TO 166+53 | STA 277+53 TO 284+66 |
| STA 182+19 TO 183+13 | STA 294+63 TO 295+54 |
| STA 190+48 TO 191+39 | STA 307+30 TO 308+37 |
| | STA 322+31 TO 333+00 |



- **(NB LEFT TURN LANES)
- | | |
|----------------------|-------------------------------|
| STA 79+61 TO 83+01 | STA 234+50 TO 237+89 |
| STA 91+33 TO 94+87 | STA 246+42 TO 249+89 |
| STA 105+27 TO 107+02 | STA 261+80 TO 263+98 |
| STA 119+23 TO 122+98 | STA 284+66 TO 287+66 |
| STA 159+60 TO 162+61 | STA 295+54 TO 299+12 |
| STA 163+82 TO 165+61 | STA 303+69 TO 310+75 |
| STA 166+53 TO 167+87 | *** (SB LEFT TURN LANES) |
| STA 183+13 TO 186+60 | STA 71+70 TO 74+20 |
| STA 191+39 TO 194+58 | STA 75+12 TO 77+82 |
| STA 204+40 TO 207+86 | STA 114+64 TO 118+25 |
| STA 213+53 TO 215+53 | STA 154+54 TO 158+53 |
| STA 218+61 TO 220+29 | STA 166+90 TO 170+93 |
| STA 224+28 TO 227+69 | STA 263+98 TO 266+82 |
| | STA 301+50 TO 310+75 (ACC LN) |

LEGEND

1. EXIST. P.C.C. PAVEMENT
2. EXIST. HMA PAVEMENT
3. EXIST. HMA OVERLAY
4. EXIST. CONCRETE CURB & GUTTER
5. EXIST. 8" AGG. SHLDR TYPE B
6. EXIST. AREA REFLECTIVE CRACK CONTROL SYSTEM A
7. EXIST. CONCRETE MEDIAN
8. EXIST. 8" HMA SHOULDER
9. EXIST. 7 1/2" HMA SHLDR
10. PROP. HMA SURFACE REMOVAL 0.5"
11. PROP. HMA SURFACE REMOVAL 1.75"
12. PROP. HMA SURFACE REMOVAL 2.25"
13. PROP. HMA SURFACE REMOVAL 3.75"
14. PROP. POLY HMA BINDER COURSE, IL-9.5, N70 2.0"
15. PROP. POLY HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80 1.75"
16. PROP. POLY HMA SURFACE COURSE, MIX "E", N70 2.0"
17. PROP. HMA SHOULDER 1.75"
18. PROP. HMA SHOULDER 3.75"
19. PROP. AGG WEDGE

NOT TO SCALE

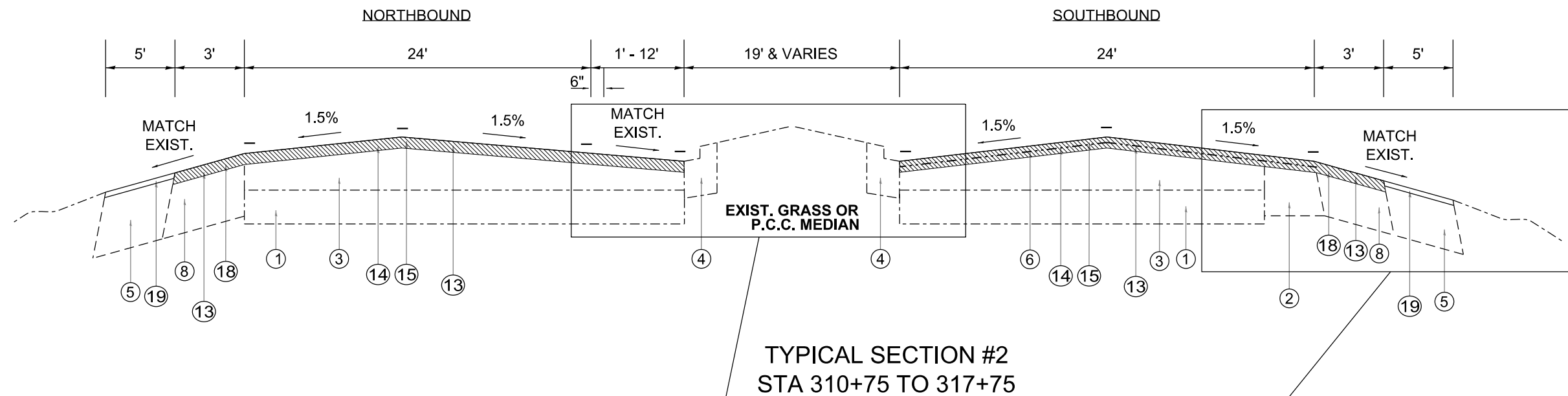
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 OFFICE: Peoria
 DATE: 2/7/2020

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PLOT DATE = 2/7/2020	CHECKED -	REVISIED -
	DATE -	REVISIED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

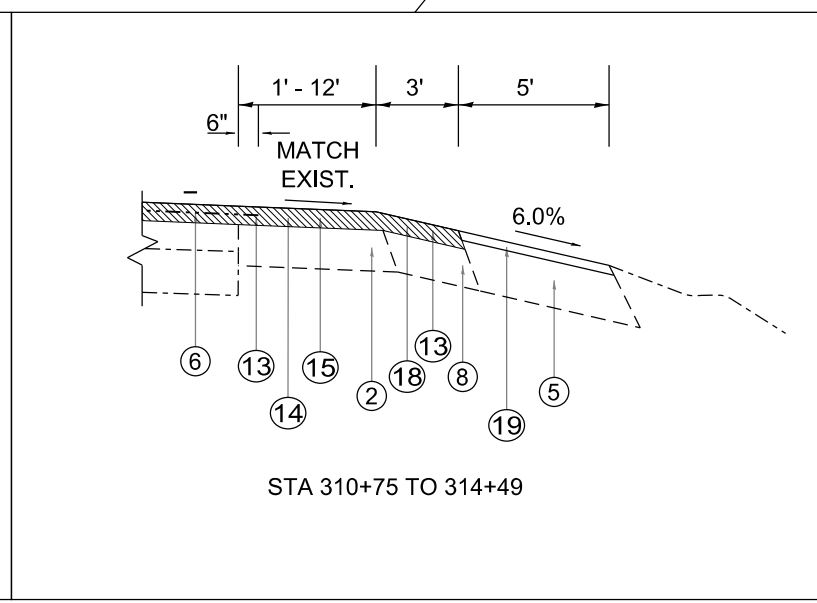
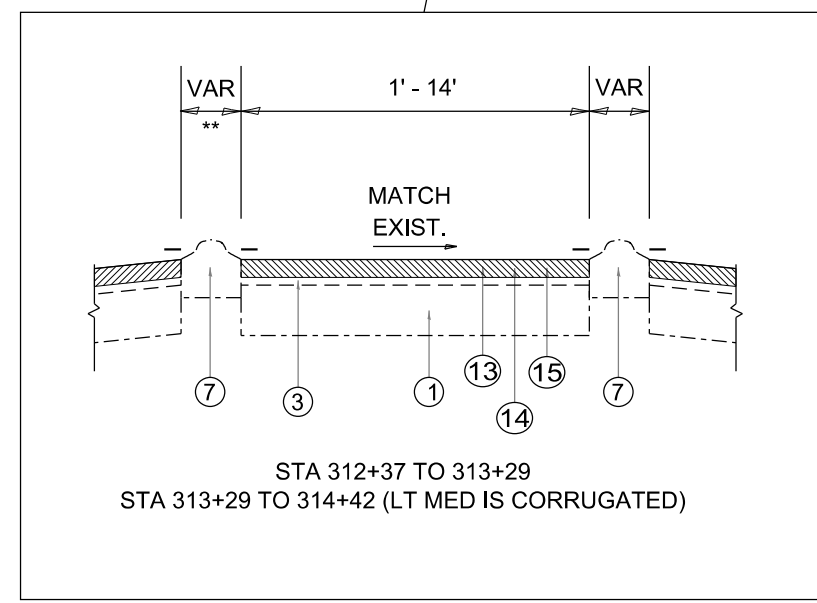
TYPICAL SECTIONS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	11
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				



LEGEND

1. EXIST. P.C.C. PAVEMENT
2. EXIST. HMA PAVEMENT
3. EXIST. HMA OVERLAY
4. EXIST. CONCRETE CURB & GUTTER
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18. PROP. HMA SHOULDER 3.75"
19. PROP. AGG WEDGE



NOT TO SCALE

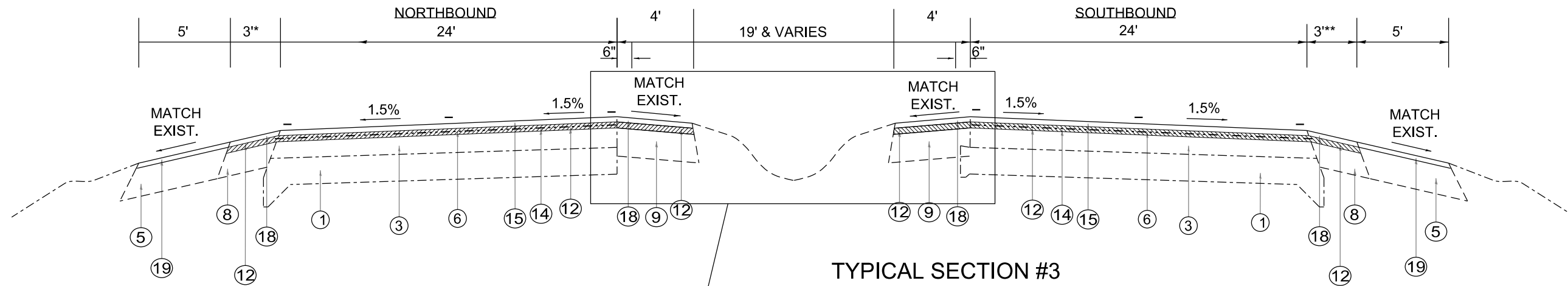
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PLOT DATE = 2/7/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	12
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

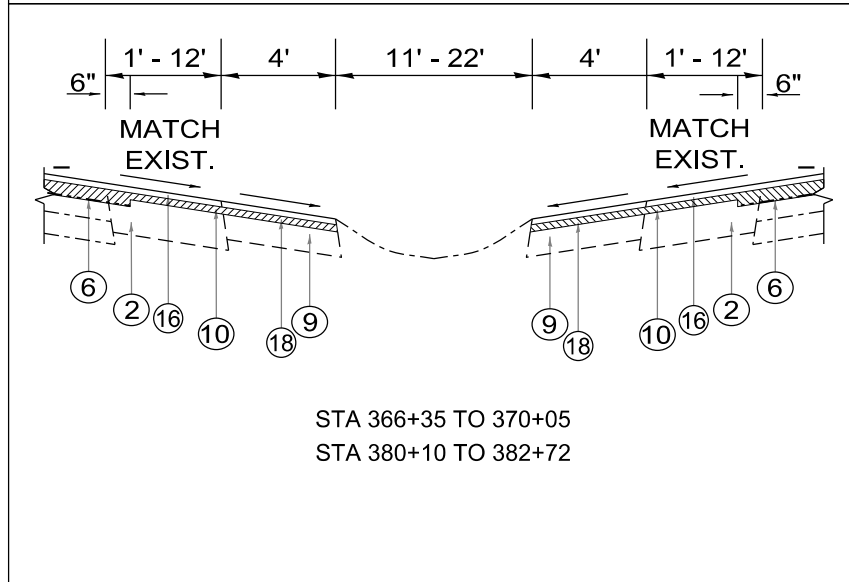
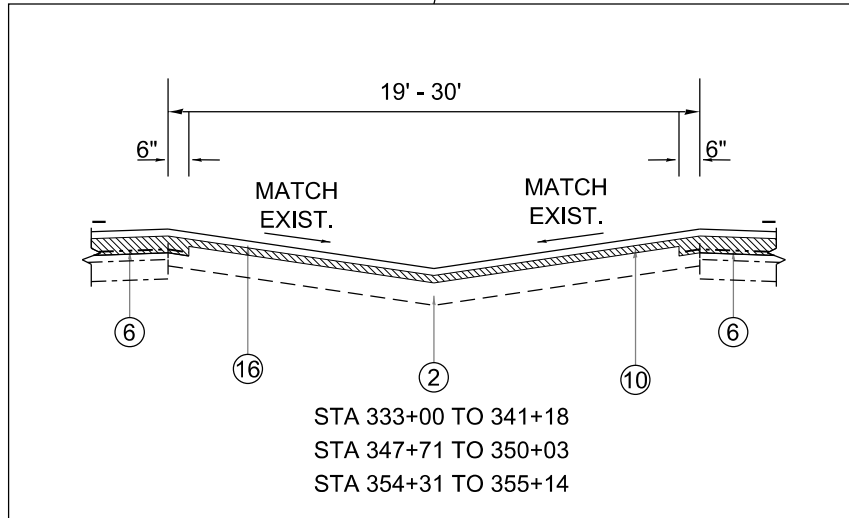


TYPICAL SECTION #3
 NB STA 333+00 TO 370+05
 SB STA 333+00 TO 356+37
 STA 380+10 TO 394+86

* NB SHOULDER WIDTH = 10'
 STA 366+00 TO 370+05
 STA 380+10 TO 381+00
 **SB SHOULDER WIDTH = 10'
 STA 380+10 TO 387+44

LEGEND

1. EXIST. P.C.C. PAVEMENT
2. EXIST. HMA PAVEMENT
3. EXIST. HMA OVERLAY
4. EXIST. CONCRETE CURB & GUTTER
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17. PROP. HMA SHOULDER 1.75"
18. PROP. HMA SHOULDER 3.75"
19. PROP. AGG WEDGE



NOT TO SCALE

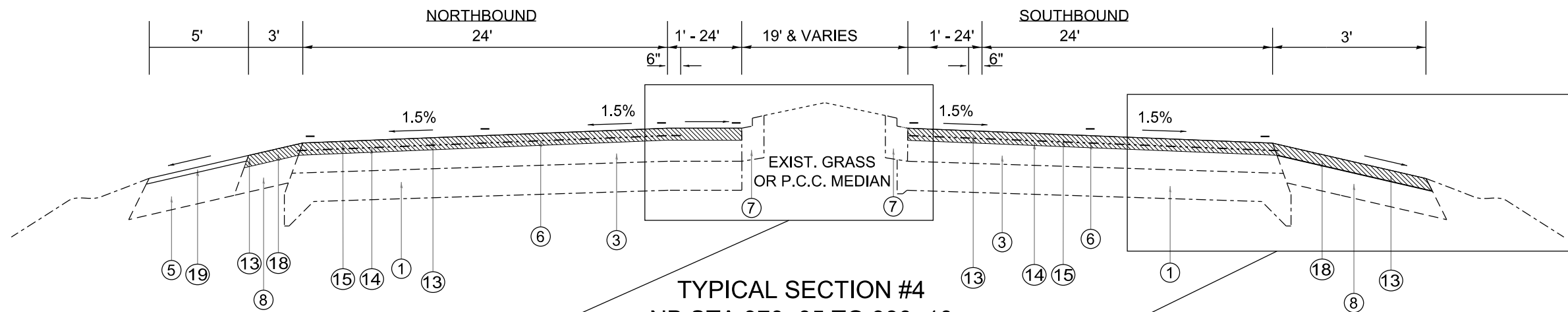
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	DATE -	REVISED -

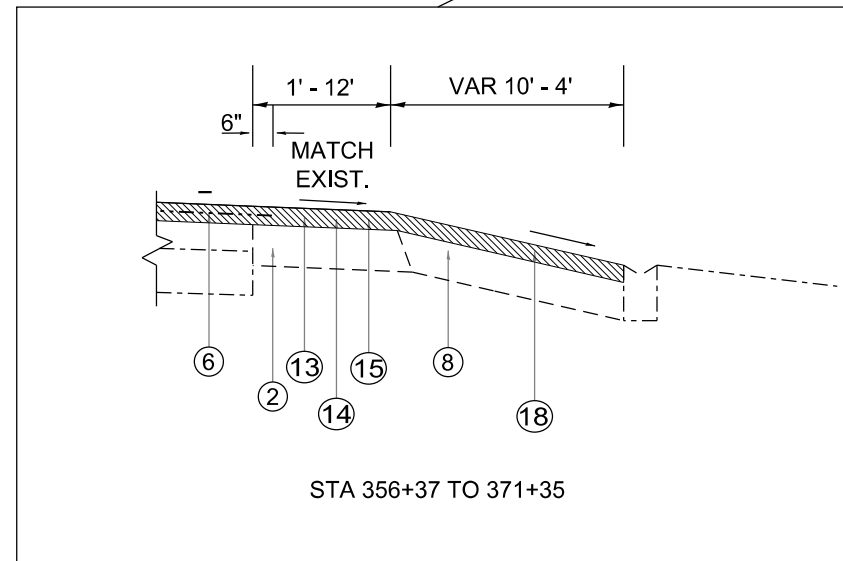
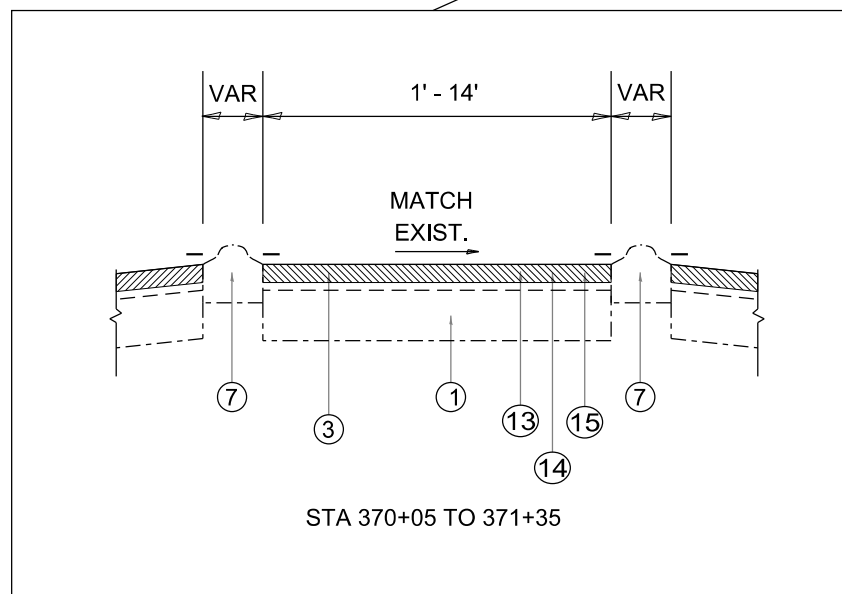
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	13
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION #4
 NB STA 370+05 TO 380+10
 SB STA 356+37 TO 380+10



LEGEND

1. EXIST. P.C.C. PAVEMENT
2. EXIST. HMA PAVEMENT
3. EXIST. HMA OVERLAY
4. EXIST. CONCRETE CURB & GUTTER
5. EXIST. 8" AGG. SHLDR TYPE B
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17. PROP. HMA SHOULDER 1.75"
18. PROP. HMA SHOULDER 3.75"
19. PROP. AGG WEDGE

NOT TO SCALE

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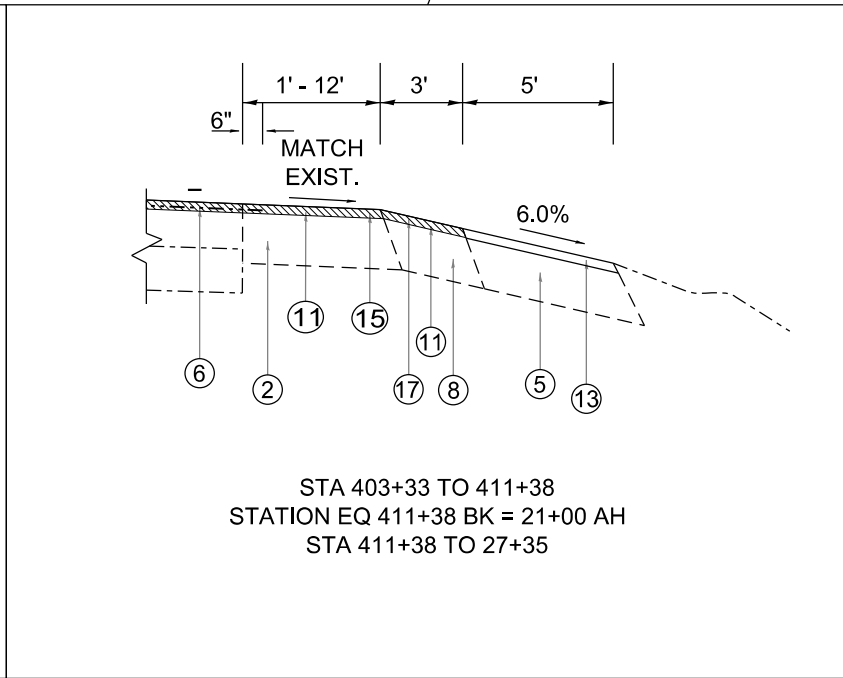
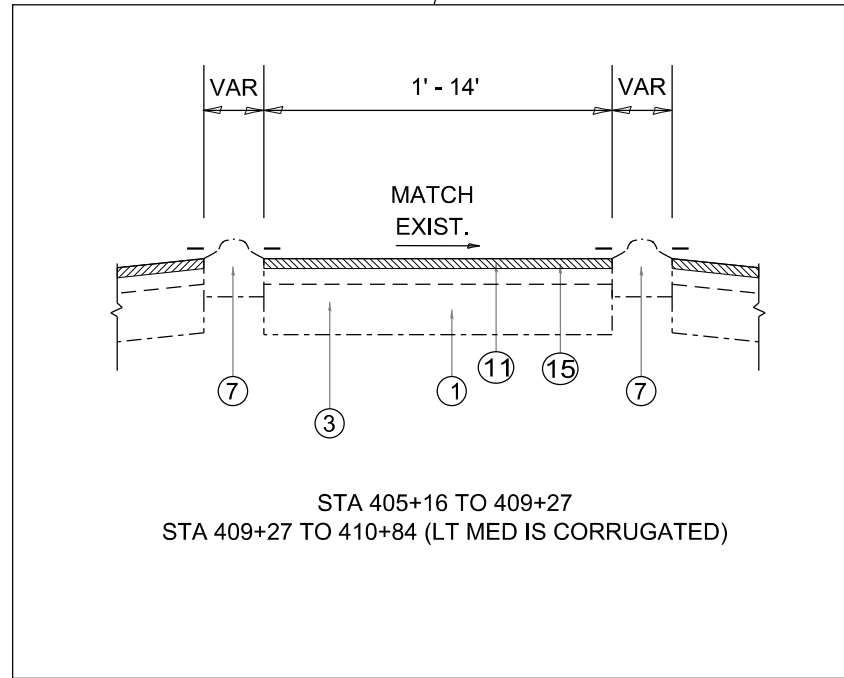
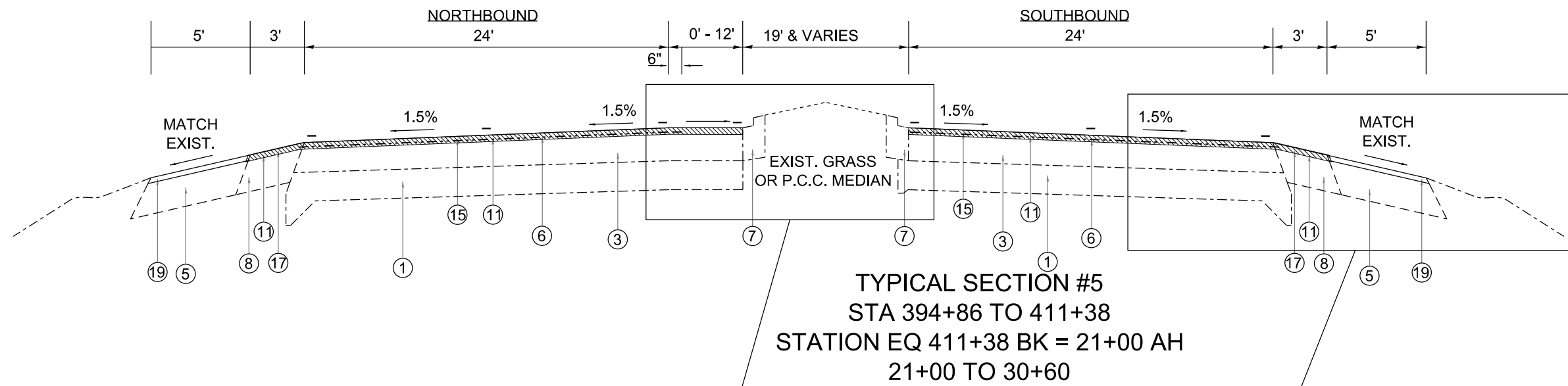
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/7/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	14
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				



LEGEND

1. EXIST. P.C.C. PAVEMENT
2. EXIST. HMA PAVEMENT
3. EXIST. HMA OVERLAY
4. EXIST. CONCRETE CURB & GUTTER
5. EXIST. 8" AGG. SHLDR TYPE B
6. EXIST. AREA REFLECTIVE CRACK CONTROL SYSTEM A
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17. PROP. HMA SHOULDER 1.75"
18. PROP. HMA SHOULDER 3.75"
19. PROP. AGG WEDGE

*NB LEFT TURN LANES
 STA 397+50 TO 404+70
 STA 410+60 TO 24+70

NOT TO SCALE

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 PROJECT: ILLINOIS DOT
 OFFICE: DISTRICT 4
 PROJECT: 815-688-1111

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PLOT DATE = 2/7/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	15
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

THERMOPLASTIC & TEMPORARY PAVEMENT MARKING												
LOCATION	4"				6"	8"		12"		24"	LETTERS & SYMBOLS	
	WHITE	YELLOW			WHITE				YELLOW	WHITE		
	SOLID	SOLID	SKIP-DASH	DOUBLE SOLID	SKIP-DASH	SOLID	SKIP-DASH	SOLID CHEVRON/DIAGONALS	SOLID DIAGONALS	STOP BAR	LT/RT Turn PMK	Yield PMK
	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	SQ FT	SQ FT
Old Galena Rd. to Engine Rd./Rench Rd.		8112		1320		2811	160	1136	1059	72	312.0	
Engine Rd./Rench Rd. to Edgewater Dr.		10747				1966			98	139	343.2	
Edgewater Dr. to Terrance Dr.		12335		290		790			95		202.8	
Terrance Dr. to Stevenson Ave.		8686	495			648					140.4	
Stevenson Ave. to Marquette St.		4128		2430		1030			600		109.2	281.2
Marquette St. to Three Sisters Park/Hamms Crossing		9591	188			753					171.6	140.6
Three Sisters Park/Hamms Crossing to Hillcrest/End of Jobsite		9438		19		965					124.8	140.6
Mainline					69410							
Shoulder/Edge Line	69490											
SUBTOTAL	69490	63037	683	4059	69410	8963	160	1136	1852	211	1404	562.4
TOTAL		137269			69410	9123		2988		211	1966.4	

GROOVING FOR RECESSED PAVEMENT MARKING						
TYPE	5"	7"	9"	13"	25"	LETTER & SYMBOLS
	FT	FT	FT	FT	FT	SQ FT
TOTAL	137269	69410	9123	2988	211	1966.4

PATCHING TABLE										
APPROX. LOCATION RANGE	CLASS B PATCHES 14 INCH						SAW CUTS	DOWEL BARS, 1/2"	TIE BARS, 3/4"	PATCHING WIRE REINFS
	TYPE II		TYPE III		TYPE IV					
	SOUTHBOUND	NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND	NORTHBOUND				
	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.				
South End of Project to Rench Road	213	341					744	80		
Rench Road to Railroad Tracks	21	48					198	80		
Railroad Track					200	200	400	128	80	434
Railroad to Cedar Hills	171	144					475	80		
Cedar Hills to Riverview Rd	88	115	16	32	34		622	80		82
Riverview Rd to Richland	203	376					771	80		
Richland to North end of project	379	272					855	80		
SUB TOTAL	1075	1296	16	32	234	200				
TOTAL	2371		48		434		4065	608	80	516

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/7/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	16
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

RAISED REFLECTIVE PAVEMENTT MAKER	
LOCATION	EACH
70+80 to 411+38; 21+00 to 30+60	1267
TOTAL	1267

RAISED REFLECTIVE PAVEMENTT MAKER REMOVAL	
LOCATION	EACH
70+80 to 411+38; 21+00 to 30+60	1267
TOTAL	1267

ENGINEER'S FIELD OFFICE, TYPE A	
LOCATION	CAL MO
JOBSITE	10
TOTAL	10

CHANGEABLE MESSAGE SIGN	
LOCATION	CAL DA.
JOBSITE	60
TOTAL	60

MOWING	
LOCATION	ACRES
GRASS MEDIAN & SIDE SLOPES	37
TOTAL	37

TUBULAR MARKERS	
LOCATION	EACH
NB IL 29 LEFT TURN LANE FOR KNOX AVE	59
TOTAL	59

TRAFFIC CONTROL SURVEILLANCE	
LOCATION	CAL DA.
JOBSITE	10
TOTAL	10

NOTE: TO BE SPACED 10 FEET CENTER - CENTER

TRAFFIC CONTROL AND PROTECTION, STD. 701421	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

TRAFFIC CONTROL AND PROTECTION, STD. 701422	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

TRAFFIC CONTROL AND PROTECTION, STD. 701601	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

TRAFFIC CONTROL AND PROTECTION, STD. 701602	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

CONSTRUCTION STATION LAYOUT	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

MOBILIZATION	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

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PLOT DATE = 2/7/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	17
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

PROPOSED GUARDRAIL														
LOCATION			LT	RT	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	SPBGR TYPE A 6 FT	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL TANGENT	TRAFFIC BARRIER TERMINAL TYPE 2	GUARDRAIL REFLECTORS, TYPE A	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL AGGREGATE EROSION CONTROL			
IL 29		STA.	TO	STA.	FT	FT	FT	FT	EACH	EACH	EACH	EACH	TON	
NORTH BOUND LANE		144+49	TO	144+61	X				1					
		144+61	TO	145+11	X		50							
		145+11	TO	145+55	X		43.75							
		145+55	TO	146+86	X			137.5		4			35.0	
		146+86	TO	147+23	X				1		1			
		312+73	TO	312+84	X					1				
		312+84	TO	314+97	X			212.5		4			33.0	
		314+97	TO	315+36	X				1		1			
	SOUTH BOUND LANE		143+43	TO	143+81		X			1				
			143+81	TO	145+11		X		130.5		4			34.0
			145+11	TO	145+55		X	43.75						
			145+55	TO	146+05		X		50					
			146+05	TO	146+17		X				1		1	
	TOTAL							87.5	580.5	3	3	12	3	102.0

INLETS TO BE ADJUSTED	
LOCATION	
STATION	EACH
77+90	1
73+25	1
157+80	1
162+40	1
165+00	1
168+00	1
203+75	1
211+00	1
217+80	1
245+70	1
261+50	1
278+70	1
283+00	1
295+15	1
333+00	1
381+65	1
TOTAL	16

SHORT TERM PAVEMENT MARKING REMOVAL				
STATION			MAINLINE	SHOULDER
			SQ FT	SQ FT
70+80	TO	411+38	2,271	1,816
21+00	TO	78+30	64	51
TOTAL			4,202	

SHORT TERM PAVEMENT MARKING							
STATION			LENGTH	NORTHBOUND		SOUTHBOUND	
				SHOULDER	MAINLINE	MAINLINE	SHOULDER
			FEET	FEET	FEET	FEET	FEET
70+80	TO	411+38	34058	2,725	3,406	3,406	2,725
21+00	TO	30+60	960	77	96	96	77
SUBTOTAL				2,801	3,502	3,502	2,801
MAINLINE SUBTOTAL				7,004			
SHOULDER SUBTOTAL				5,603			
TOTAL				12,606			

GUARDRAIL REMOVAL					
LOCATION				LT	RT
	STA.	TO	STA.	FT	FT
NB	312+26	-	314+29	203.0	
SB	144+18	-	145+73		155.0
SUBTOTAL				203.0	155.0
TOTAL				358.0	

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 PROJECT: ILLINOIS STATE ROADWAY DIVISION
 OFFICE: ILLINOIS STATE ROADWAY DIVISION
 PROJECT: ILLINOIS STATE ROADWAY DIVISION
 SHEET: 53 OF 18
 CONTRACT NO. 68A81

LOCATIONS	LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL							HMA SHOULDERS		POLY HMA SURF CSE SMA N80	POLY HMA SURF CSE MIX "E" N70	POLY MAT (TACK CT)	MAT TRANSFER DEVICE (MTD)	POLY HMA BNDR CSE IL 9.5 N70	AGG WEDGE SHLD TYPE B	TEMP RAMP	INCIDENTAL HMA SURF 2 1/2"	
				3.75"	1.75"	0.5"	2.25"	BUTT JT	SPECIAL	3.75"	1.75"	1.75"	2.00"			2.00"					
STATION		FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TONS	TONS	POUNDS	TONS	TONS	TON	SQ YD	TONS	
MAINLINE (N.B.)																					
70+80	TO	71+15	35	24	93					117			9		134	20	10		23		
71+15	TO	310+15	23,900	24	63,733			63,733					6,246		91,776	13,384	7,138				
310+15	TO	317+05	690	24	1,840	1,840							180		2,650	386	206				
317+05	TO	370+65	5,360	24	14,293			14,293					1,401		20,582	3,002	1,601				
370+65	TO	380+10	945	24	2,520	2,520							247		3,629	529	282				
380+10	TO	394+86	1,476	24	3,936			3,936					386		5,668	827	441				
394+86	TO	411+38	1,652	24	4,405		4,405						432		6,344	432					
411+38 BK = 21+00 AH																					
21+00	TO	30+25	925	24	2,467		2,467						242		3,552	242					
30+25	TO	30+60	35	24	93					117			9		134	9			23		
MAINLINE (S.B.)																					
70+80	TO	71+15	35	24	93					117			9		134	20	10		23		
71+15	TO	310+15	23,900	24	63,733			63,733					6,246		91,776	13,384	7,138				
310+15	TO	317+05	690	24	1,840	1,840							180		2,650	386	206				
317+05	TO	356+37	3,932	24	10,485			10,485					1,028		15,099	2,202	1,174				
356+37	TO	380+10	2,373	24	6,328	6,328							620		9,112	1,329	709				
380+10	TO	394+86	1,476	24	3,936			3,936					386		5,668	827	441				
394+86	TO	411+38	1,652	24	4,405		4,405						432		6,344	432					
411+38 BK = 21+00 AH																					
21+00	TO	30+25	925	24	2,467		2,467						242		3,552	242					
30+25	TO	30+60	35	24	93					117			9		134	9			23		
MILL WIDE (CEDAR HILLS / RENCH)		10,356	0.5	575						575			56		829	121	64				
MILL WIDE (OTHERS)		91,092	0.5	5,061									496		7,287	1,063	567				
TURN LANES																					
SB Cedar Hills					403	403							39.5		580.3	118	45				
NB Cedar Hills					2,014	2,014							197.4		2,900.2	456	226				
NB (All other Turn Lns)					6,628			6,628						928	9,544	33					
SB (All other Turn Lns)					3,789			3,789						530	5,456	33					
SB Rench Rd					2,482	2,482							243.2		3,574	554	278				
NB Rench Rd					2,759	2,759							270.4		3,973	612	309				
SB Old Galena Rd					3,610		3,610						354		5,198	791	404				
NB Old Galena Rd					2,082		2,082						204		2,998	470	233				
SHOULDERS AND SIDE ROADS					6,260	3,777	34,056	47,665	3,438	0	8,371	388	0	4,627	78,937	8,371	0	4,132	1,939	604	
TOTALS					216166	26446	23213	44473	207782	3905	575	8758		20163	6085	390216	50282	21484	4132	2032	604

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	19
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

RESURFACING QUANTITIES - SHOULDERS AND SIDE ROADS (FOR INFORMATION ONLY)

LOCATIONS			LENGTH FT	AVRG WIDTH SHOULDE (INSIDE) FT	AVRG WIDTH SHOULDER (OUTSIDE) FT	TOTAL WIDTH FT	AREA SQ YD	HMA SURFACE REMOVAL						HMA SHOULDERS		POLY HMA SURF CSE SMA N80 1.75" TON	POLY HMA SURF CSE MIX "E" N70 2.00" TONS	POLY MAT (TACK CT) POUND	MAT TRANSFER DEVICE (MTD) TON	POLY HMA BNDR CSE IL 9.5 N70 2.00" TON	AGG WEDGE SHLD TYPE B TON	TEMP RAMP SQ YD	INCIDENTAL HMA SURF 2 1/2" TON
								3.75" SQ YD	1.75" SQ YD	0.5" SQ YD	2.25" SQ YD	BUTT JT SQ YD	Special SQ YD	3.75" TON	1.75" TON								
SHOULDER (N.B.)																							
70+80	TO	310+15	23,935	4	3	7	18,616				18,616			1,824				26,807	1,824			1,364	
310+15	TO	317+05	690	4	3	7	537	537						53				773	53			39	
317+05	TO	356+37	3,932	4	3	7	3,058				3,058			300				4,404	300			224	
356+37	TO	366+00	963	4	3	7	749				749			73				1,079	73			55	
366+00	TO	370+05	405	4	10	14	630				630			62				907	62			23	
370+05	TO	380+10	1,005	4	10	14	1,563	1,563						153				2,251	153			57	
380+10	TO	381+00	90	4	10	14	140				140			14				202	14			5	
381+00	TO	394+86	1,386	4	3	7	1,078				1,078			106				1,552	106			79	
394+86	TO	411+38	1,652	4	3	7	1,285		1,105						126			1,850	0			94	
411+38 BK = 21+00 AH																							
21+00	TO	30+60	960		6	6	640		640						63			0	0			55	
SHOULDER (S.B.)																							
70+80	TO	310+15	23,935	4	3	7	18,616				18,616			3,909				26,807	3,909			1,364	
310+15	TO	317+05	690	4	3	7	537	537						113				773	113			39	
317+05	TO	356+37	3,932	4	3	7	3,058				3,058			642				4,404	642			224	
356+37	TO	368+45	1,208	4	10	14	1,879	1,879						395				0	395			69	
368+45	TO	373+35	490	6	4	10	544	544						114				0	114			28	
373+35	TO	380+10	675	6	10	16	1,200	1,200						252				1,728	252			38	
380+10	TO	387+44	734	4	10	14	1,142				1,142			240				1,644	240			42	
387+44	TO	394+86	742	4	3	7	577				577			121				831	121			42	
394+86	TO	411+38	1,652	4	3	7	1,285		1,285						126			1,850	0			94	
411+38 BK = 21+00 AH																							
21+00	TO	30+60	960	4	3	7	747		747						73			1,075	0			55	
SIDE ROADS																							
Cedar Hills Dr			105	75			875			875												6	123
Cedar Hills Butt JT			30	46			153				153											26	21
Other Sides Rd							3,153				3,153											132	441
Other Sides Rd Butt JJ																						1,889	
Rench Rd			27	44			132			132												2	18
Rench Rd Butt JT											132												24
PAVED MEDIANS																							
70+80 TO 411+38 ; 21+00 TO 30+60							33,049			33,049								4,627					
SUB TOTALS							95,243	6,260	3,777	34,056	47,665	3,438	0	8,371	388	0	4,627	78,937	8,371	0	4,132	1,939	604

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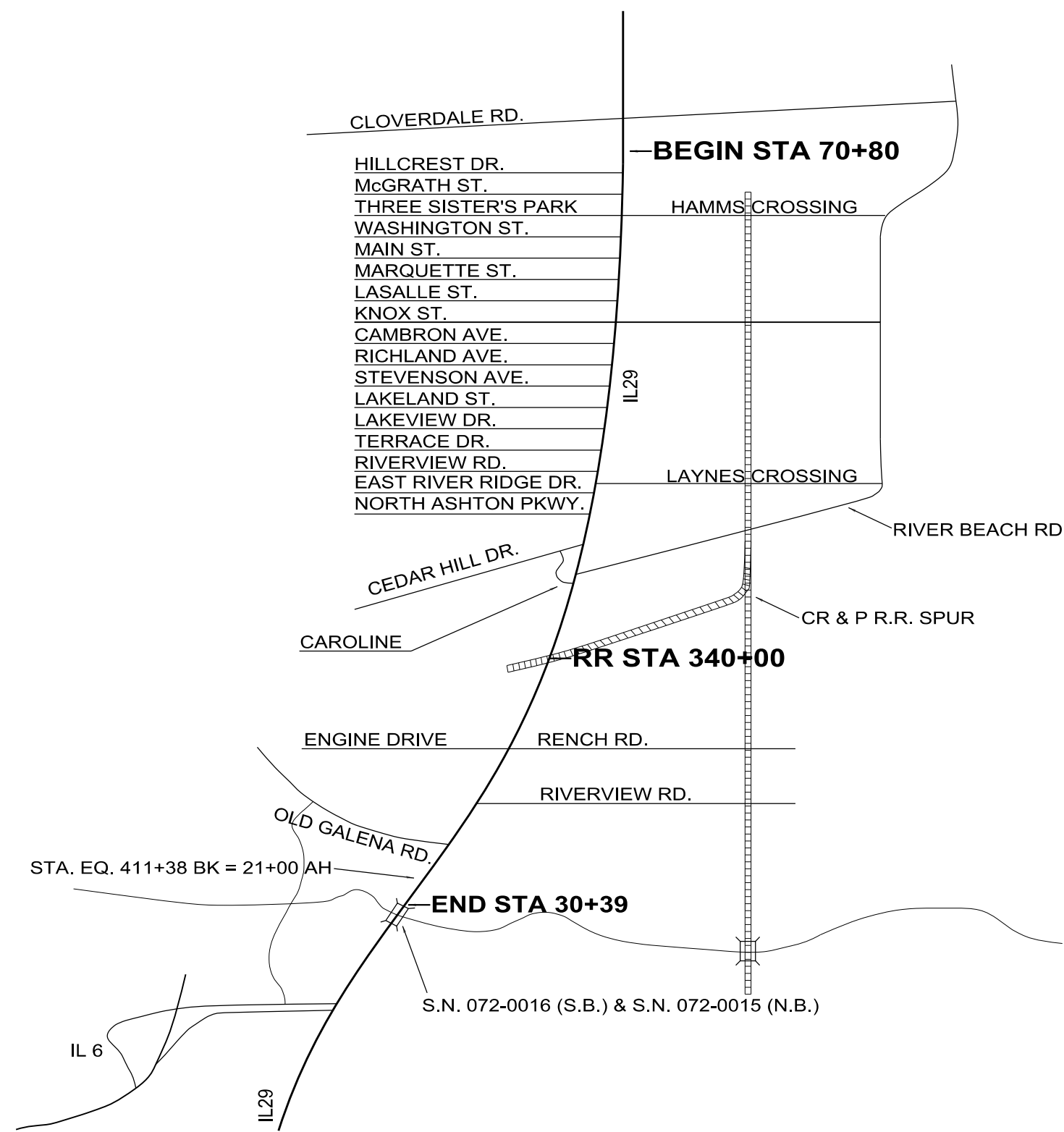
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	20
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

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ENGLISH STATION	METRIC STATION	SAFETY STATION	SIDEROAD
46+90	15+804.8	11.65	IL 29 SPUR TO IL 6
	16+594.2		STA. EQ. 411+38 BK = 21+00 AH
407+19	16+721.9	12.23	GALENA ROAD
394+64	17+095.0	12.45	RIVERVIEW ROAD
371+90	17+797.6	12.89	RENCH ROAD / ENGINE DRIVE
322+50	19+303.3	13.83	CAROLINE
317+25	19+463.3	13.93	RIVER BEACH ROAD
312+90	19+595.9	14.00	CEDAR HILLS DRIVE
294+50	20+156.7	14.35	NORTH ASHTON PARKWAY
278+50	20+644.4	14.69	EAST RIVER RIDGE DRIVE
267+60	20+976.7	14.89	LAYNES CROSSING
262+00	21+147.3	15.00	RIVERVIEW ROAD
245+40	21+653.3	15.29	TERRACE DRIVE
233+85	22+005.4	15.52	LAKEVIEW DRIVE
223+30	22+326.9	15.71	LAKELAND STREET
203+00	22+945.7	16.07	STEVENSON AVENUE
190+35	23+331.2	16.33	RICHLAND AVENUE
182+00	23+585.8	16.47	CAMBRON AVENUE
170+87	23+925.0	16.69	KNOX STREET
168+10	24+009.4	16.74	LASALLE STREET
165+45	24+090.2	16.79	MARQUETTE STREET
162+62	24+176.5	16.84	MAIN STREET
158+38	24+305.7	16.92	WASHINGTON STREET
118+15	25+531.9	17.68	HAMMS CROSSING
118+15	25+531.9	17.90	THREE SISTERS PARK ENTRANCE
90+00	26+389.9	18.24	PLAZA (McGRATH)
78+30	26+746.5	18.43	HILLCREST DRIVE

NOT TO SCALE

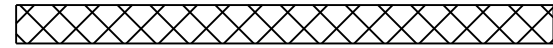
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

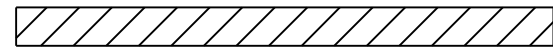
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SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	21
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

LEGEND



HMA SURFACE REMOVAL, 0.50"
OR
HMA SURFACE REMOVAL, 1.75"
OR
HMA SURFACE REMOVAL, 2.25"
OR
HMA SURFACE REMOVAL, 3.75"
OR
HMA SURFACE REMOVAL, SPECIAL
(SEE RESURFACING TABLE)



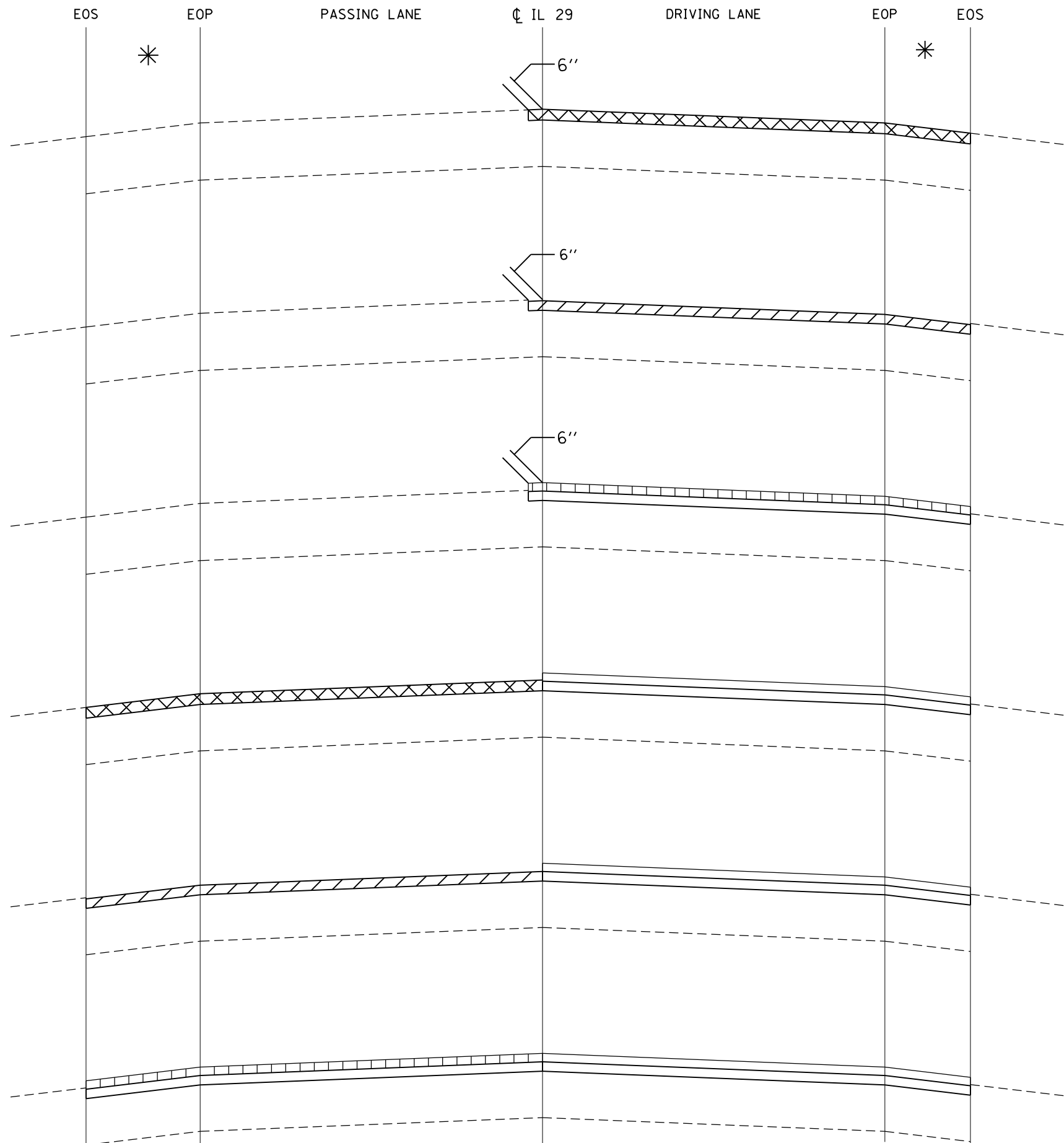
HMA POLY BINDER COURSE, 2.00"
(SEE RESURFACING TABLE)



HMA SHOULDERS, 1.75"
OR
HMA SURFACE COURSE, 2.00"
OR
SMA SURFACE COURSE, 1.75"
(SEE RESURFACING TABLE)

NOTES

- * SHOULDER WIDTH LESS THAN OR EQUAL TO 4'
- ** SHOULDER WIDTH GREATER THAN 4'



STAGE 1-A
HMA SURFACE REMOVAL, 2.25" ON
OUTSIDE SHOULDER, DRIVING LANE,
AND 6" OF PASSING LANE.

STAGE 1-B
HMA BINDER COURSE, 2.00" ON
OUTSIDE SHOULDER, DRIVING LANE,
AND 6" OF PASSING LANE.

STAGE 1-C
SMA SURFACE COURSE, 1.75" ON
OUTSIDE SHOULDER, DRIVING LANE,
AND 6" OF PASSING LANE.

STAGE 2-A
HMA SURFACE REMOVAL, 2.75" ON
INSIDE SHOULDER AND PASSING LANE.

STAGE 2-B
HMA BINDER COURSE, 2.00" ON INSIDE
SHOULDER AND PASSING LANE.

STAGE 2-C
SMA SURFACE COURSE, 1.75" ON
INSIDE SHOULDER AND PASSING LANE.

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION SEQUENCE
(MAINLINE AND THROUGH SHOULDERS)

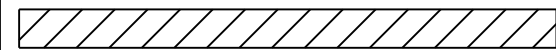
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6;9RS-3;10RS-7	PEORIA	53	22
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

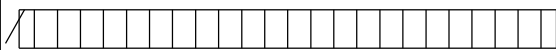
LEGEND



HMA SURFACE REMOVAL, 0.50"
OR
HMA SURFACE REMOVAL, 1.75"
OR
HMA SURFACE REMOVAL, 2.25"
OR
HMA SURFACE REMOVAL, 3.75"
OR
HMA SURFACE REMOVAL, SPECIAL
(SEE RESURFACING TABLE)



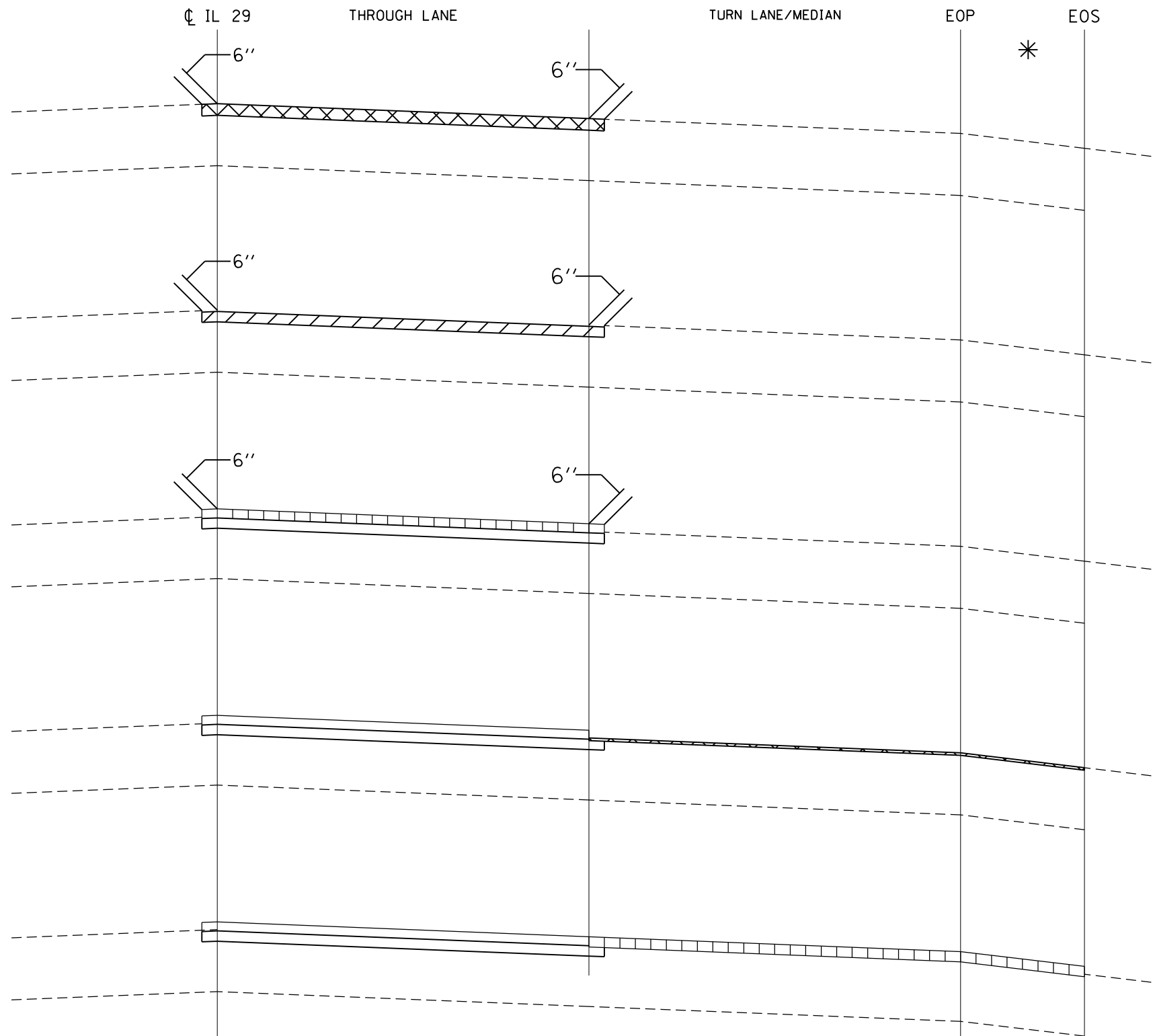
HMA POLY BINDER COURSE, 2.00"
(SEE RESURFACING TABLE)



HMA SHOULDERS, 1.75"
OR
HMA SURFACE COURSE, 2.00"
OR
SMA SURFACE COURSE, 1.75"
(SEE RESURFACING TABLE)

NOTES

- * SHOULDER WIDTH LESS THAN OR EQUAL TO 4'
- ** SHOULDER WIDTH GREATER THAN 4'



STAGE 1-A
HMA SURFACE REMOVAL, 2.25" ON THROUGH LANE, 6" OF ADJACENT THROUGH LANE, AND 6" OF TURN LANE/MEDIAN.

STAGE 1-B
HMA BINDER COURSE, 2.00" ON THROUGH LANE, 6" OF ADJACENT THROUGH LANE, AND 6" OF TURN LANE/MEDIAN.

STAGE 1-C
SMA SURFACE COURSE, 1.75" ON THROUGH LANE, 6" OF ADJACENT THROUGH LANE, AND 6" OF TURN LANE/MEDIAN.

STAGE 2-A
HMA SURFACE REMOVAL, 0.50" ON TURN LANE/MEDIAN AND SHOULDER.

STAGE 2-B
HMA SURFACE COURSE, 2.00" ON TURN LANE/MEDIAN AND SHOULDER.

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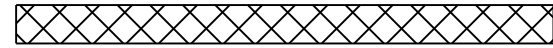
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION SEQUENCE
(MAINLINE AND THROUGH SHOULDERS)

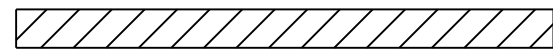
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6;9RS-3;10RS-7	PEORIA	53	23
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

LEGEND



HMA SURFACE REMOVAL, 0.50"
OR
HMA SURFACE REMOVAL, 1.75"
OR
HMA SURFACE REMOVAL, 2.25"
OR
HMA SURFACE REMOVAL, 3.75"
OR
HMA SURFACE REMOVAL, SPECIAL
(SEE RESURFACING TABLE)



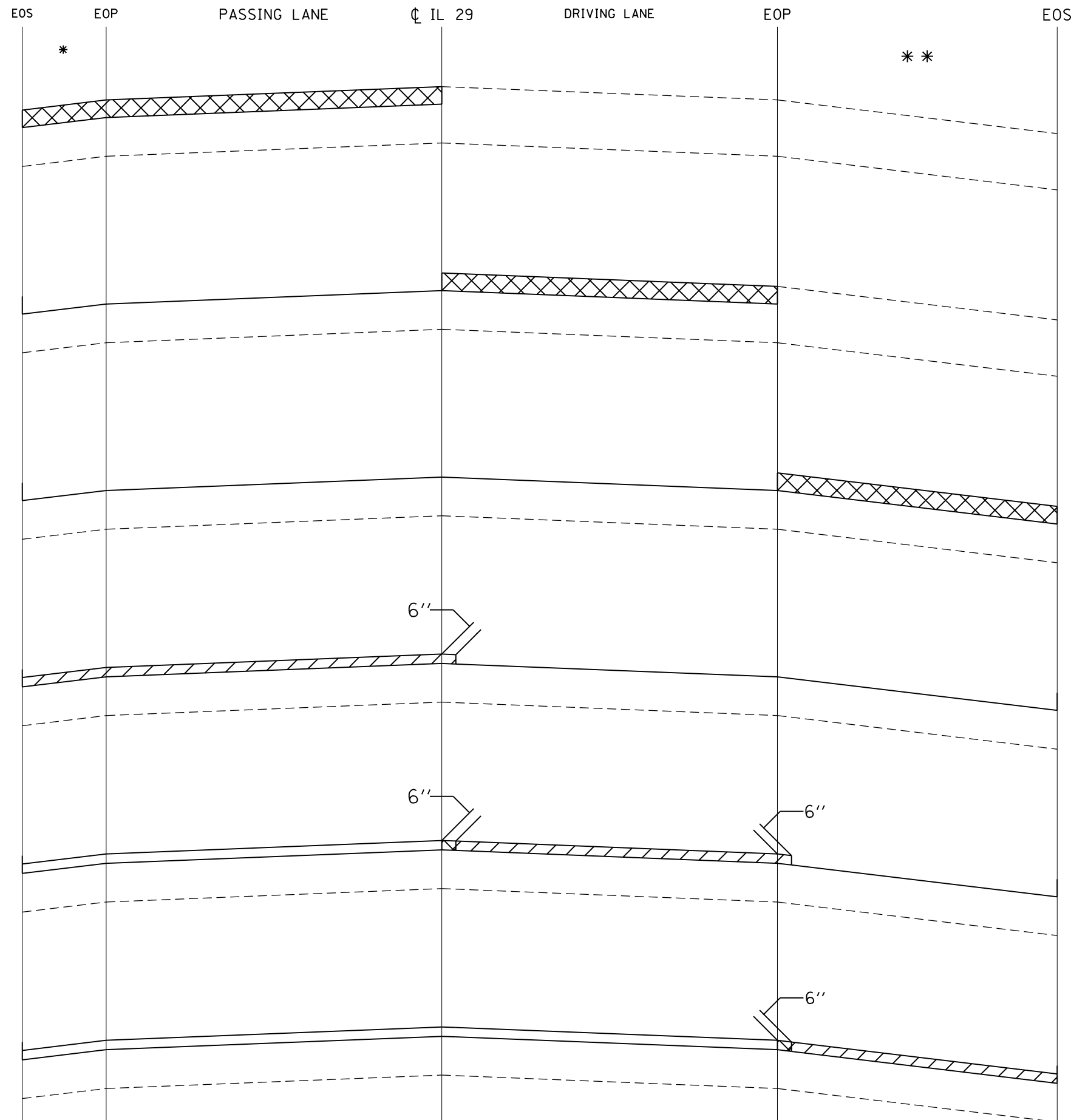
HMA POLY BINDER COURSE, 2.00"
(SEE RESURFACING TABLE)



HMA SHOULDERS, 1.75"
OR
HMA SURFACE COURSE, 2.00"
OR
SMA SURFACE COURSE, 1.75"
(SEE RESURFACING TABLE)

NOTES

- * SHOULDER WIDTH LESS THAN OR EQUAL TO 4'
- ** SHOULDER WIDTH GREATER THAN 4'



STAGE 1-A
HMA SURFACE REMOVAL, 3.75" ON
INSIDE SHOULDER AND PASSING LANE.

STAGE 1-B
HMA SURFACE REMOVAL, 3.75" ON
DRIVING LANE.

STAGE 1-C
HMA SURFACE REMOVAL, 3.75" ON
OUTSIDE SHOULDER.

STAGE 2-A
HMA BINDER COURSE, 2.00" ON INSIDE
SHOULDER, PASSING LANE, AND 6" OF
DRIVING LANE.

STAGE 2-B
HMA SURFACE REMOVAL, SPECIAL ON
6" OF DRIVING LANE (REMOVE HMA
BINDER COURSE). HMA BINDER COURSE,
2.00" ON DRIVING LANE AND 6" OF
OUTSIDE SHOULDER.

STAGE 2-C
HMA SURFACE REMOVAL, SPECIAL ON
6" OF OUTSIDE SHOULDER (REMOVE
HMA BINDER COURSE). HMA BINDER
COURSE, 2.00" ON OUTSIDE SHOULDER.

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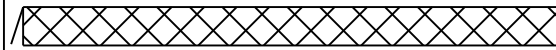
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION SEQUENCE
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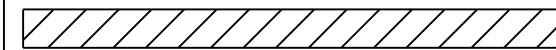
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6;9RS-3;10RS-7	PEORIA	53	24
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

LEGEND



HMA SURFACE REMOVAL, 0.50"
OR
HMA SURFACE REMOVAL, 1.75"
OR
HMA SURFACE REMOVAL, 2.25"
OR
HMA SURFACE REMOVAL, 3.75"
OR
HMA SURFACE REMOVAL, SPECIAL
(SEE RESURFACING TABLE)



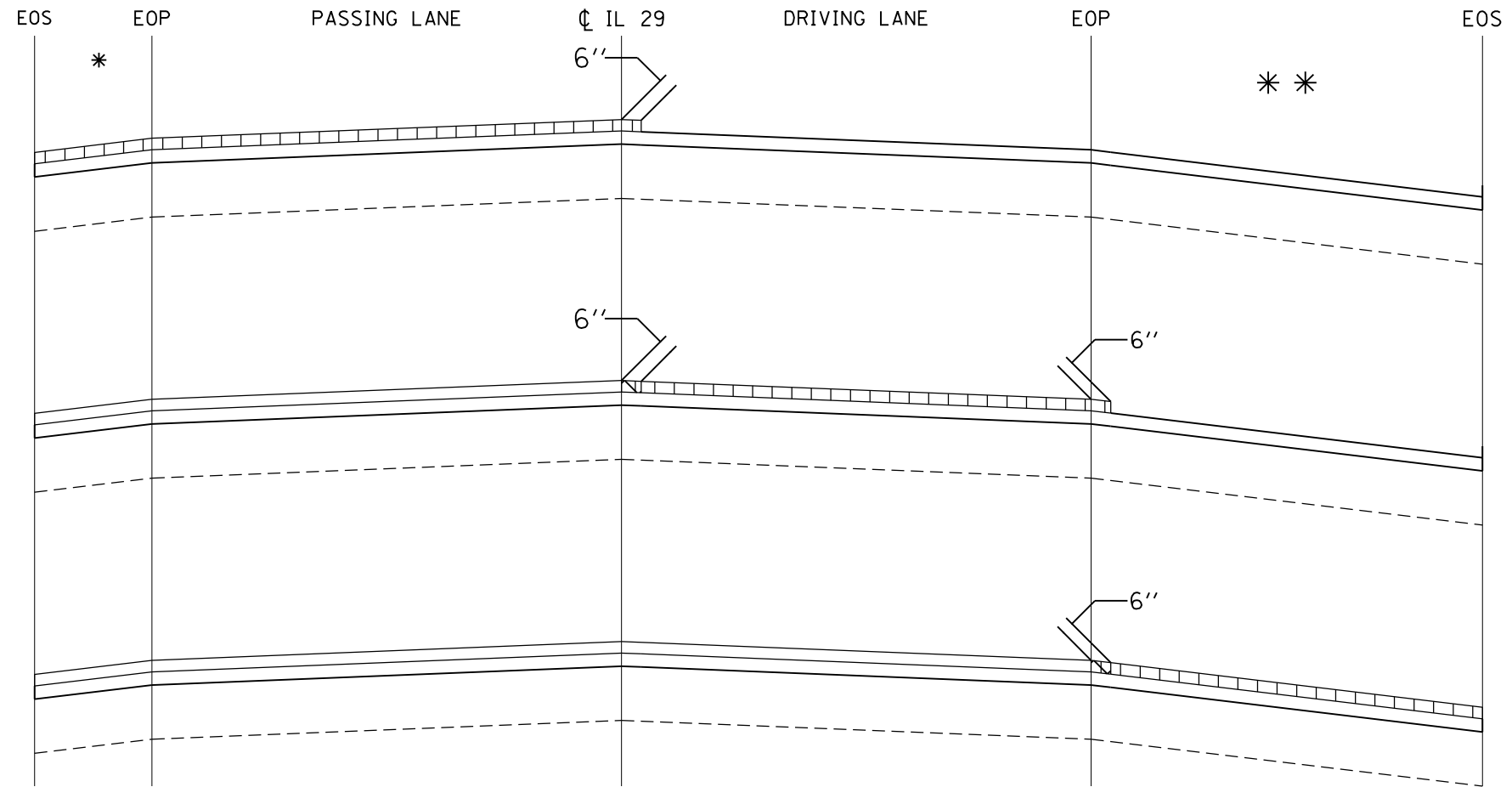
HMA POLY BINDER COURSE, 2.00"
(SEE RESURFACING TABLE)



HMA SHOULDERS, 1.75"
OR
HMA SURFACE COURSE, 2.00"
OR
SMA SURFACE COURSE, 1.75"
(SEE RESURFACING TABLE)

NOTES

- * SHOULDER WIDTH LESS THAN OR EQUAL TO 4'
- ** SHOULDER WIDTH GREATER THAN 4'



STAGE 3-A
SMA SURFACE COURSE, 1.75" ON
INSIDE SHOULDER, PASSING LANE, AND
6" OF DRIVING LANE.

STAGE 3-B
HMA SURFACE REMOVAL, SPECIAL ON
6" OF DRIVING LANE (REMOVE SMA
SURFACE COURSE). SMA SURFACE
COURSE, 1.75" ON DRIVING LANE AND
6" OF OUTSIDE SHOULDER.

STAGE 3-C
HMA SURFACE REMOVAL, SPECIAL ON
6" OF OUTSIDE SHOULDER (REMOVE
SMA SURFACE COURSE). HMA
SHOULDERS, 1.75" ON OUTSIDE
SHOULDER.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

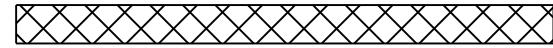
CONSTRUCTION SEQUENCE
(CEDAR HILLS DRIVE AND RENCH ROAD)

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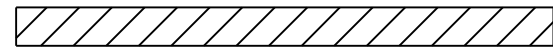
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ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 68A81

LEGEND



HMA SURFACE REMOVAL, 0.50"
OR
HMA SURFACE REMOVAL, 1.75"
OR
HMA SURFACE REMOVAL, 2.25"
OR
HMA SURFACE REMOVAL, 3.75"
OR
HMA SURFACE REMOVAL, SPECIAL
(SEE RESURFACING TABLE)



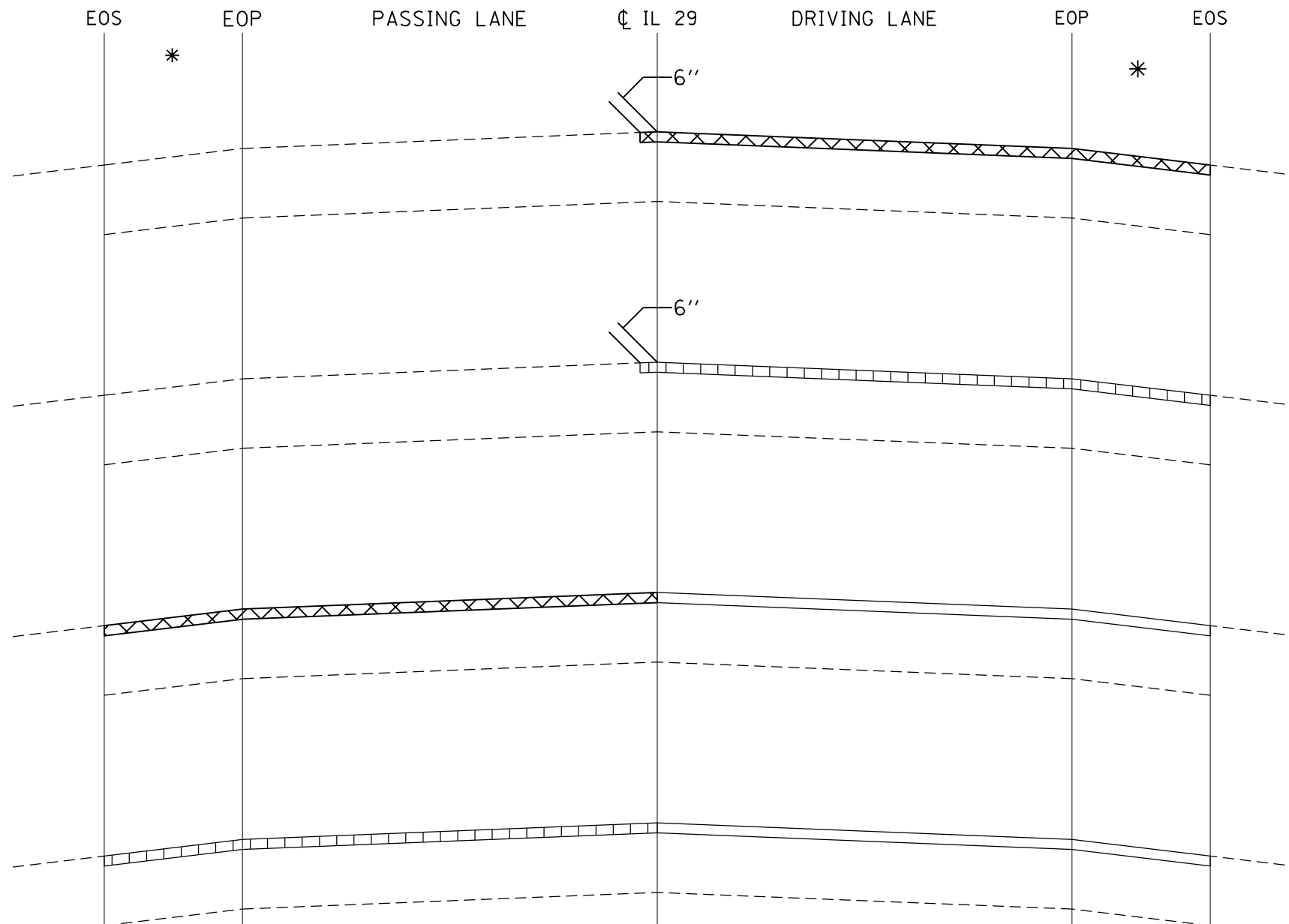
HMA POLY BINDER COURSE, 2.00"
(SEE RESURFACING TABLE)



HMA SHOULDERS, 1.75"
OR
HMA SURFACE COURSE, 2.00"
OR
SMA SURFACE COURSE, 1.75"
(SEE RESURFACING TABLE)

NOTES

- * SHOULDER WIDTH LESS THAN OR EQUAL TO 4'
- ** SHOULDER WIDTH GREATER THAN 4'



STAGE 1-A
HMA SURFACE REMOVAL, 1.75" ON
OUTSIDE SHOULDER, DRIVING LANE,
AND 6" OF PASSING LANE.

STAGE 1-B
SMA SURFACE COURSE, 1.75" ON
OUTSIDE SHOULDER, DRIVING LANE,
AND 6" OF PASSING LANE.

STAGE 2-A
HMA SURFACE REMOVAL, 1.75" ON
INSIDE SHOULDER AND PASSING
LANE.

STAGE 2-B
SMA SURFACE COURSE, 1.75" ON
INSIDE SHOULDER AND PASSING
LANE.

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PLOT DATE = 2/7/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION SEQUENCE
(OLD GALENA ROAD)

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

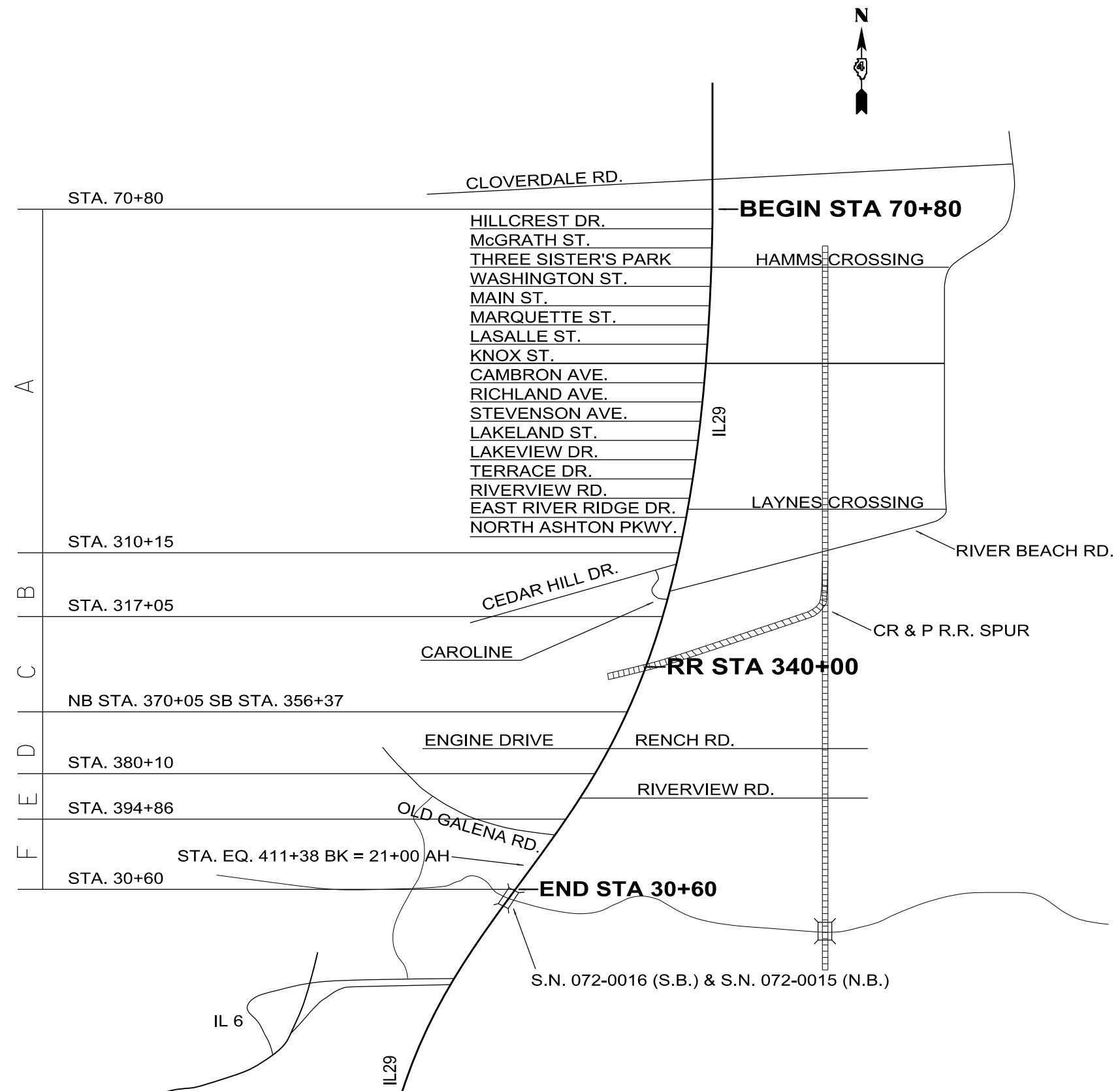
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6;9RS-3;10RS-7	PEORIA	53	26
CONTRACT NO. 68A81			ILLINOIS FED. AID PROJECT	

MAINLINE AND SHOULDER HOT MIX ASPHALT DEPTH TABLE				
LIMITS				HOT MIX ASPHALT SURFACE REMOVAL
LOCATION	STATION	TO	STATION	
A	70+80	TO	310+15	2.25"
B	310+15	TO	317+05	3.75"
C	317+05	TO	**	2.25"
D	**	TO	380+10	3.75"
E	380+10	TO	394+80	2.25"
F	394+86	TO	411+38	1.75"
	STA EQ 411+38 BK=21+00 AH			
	21+00	TO	30+60	
LIMITS *				HOT MIX ASPHALT LIFT 1
LOCATION	STATION	TO	STATION	
A	70+80	TO	310+15	2.00" HMA POLY 9.5 N70 BINDER
B	310+15	TO	317+05	2.00" HMA POLY 9.5 N70 BINDER
C	317+05	TO	**	2.00" HMA POLY 9.5 N70 BINDER
D	**	TO	380+10	2.00" HMA POLY 9.5 N70 BINDER
E	380+10	TO	394+80	2.00" HMA POLY 9.5 N70 BINDER
F	394+86	TO	411+38	1.75" SMA POLY 9.5 N80 SURFACE
	STA EQ 411+38 BK=21+00 AH			
	21+00	TO	30+60	
LIMITS *				HOT MIX ASPHALT LIFT 2
LOCATION	STATION	TO	STATION	
A	70+80	TO	310+15	1.75" SMA POLY 9.5 N80 SURFACE
B	310+15	TO	317+05	1.75" SMA POLY 9.5 N80 SURFACE
C	317+05	TO	**	1.75" SMA POLY 9.5 N80 SURFACE
D	**	TO	380+10	1.75" SMA POLY 9.5 N80 SURFACE
E	380+10	TO	394+80	1.75" SMA POLY 9.5 N80 SURFACE
F	394+86	TO	411+38	N/A
	STA EQ 411+38 BK=21+00 AH			
	21+00	TO	30+60	

** NB STA 370+05 / SB STA 356+37

TURN LANES AND PAVED MEDIANS (LOCATIONS A & C):
- HMA SURFACE REMOVAL 0.5" / 2.0" HMA POLY SURF CSE MIX E N70

TURN LANES AND PAVED MEDIANS (LOCATIONS B, D, E & F):
- HMA SURF REMOVAL AND OVERLAY MATCH MAINLINE



NOT TO SCALE

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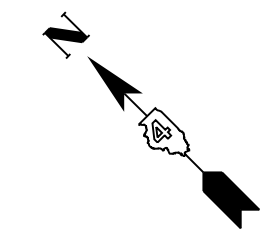
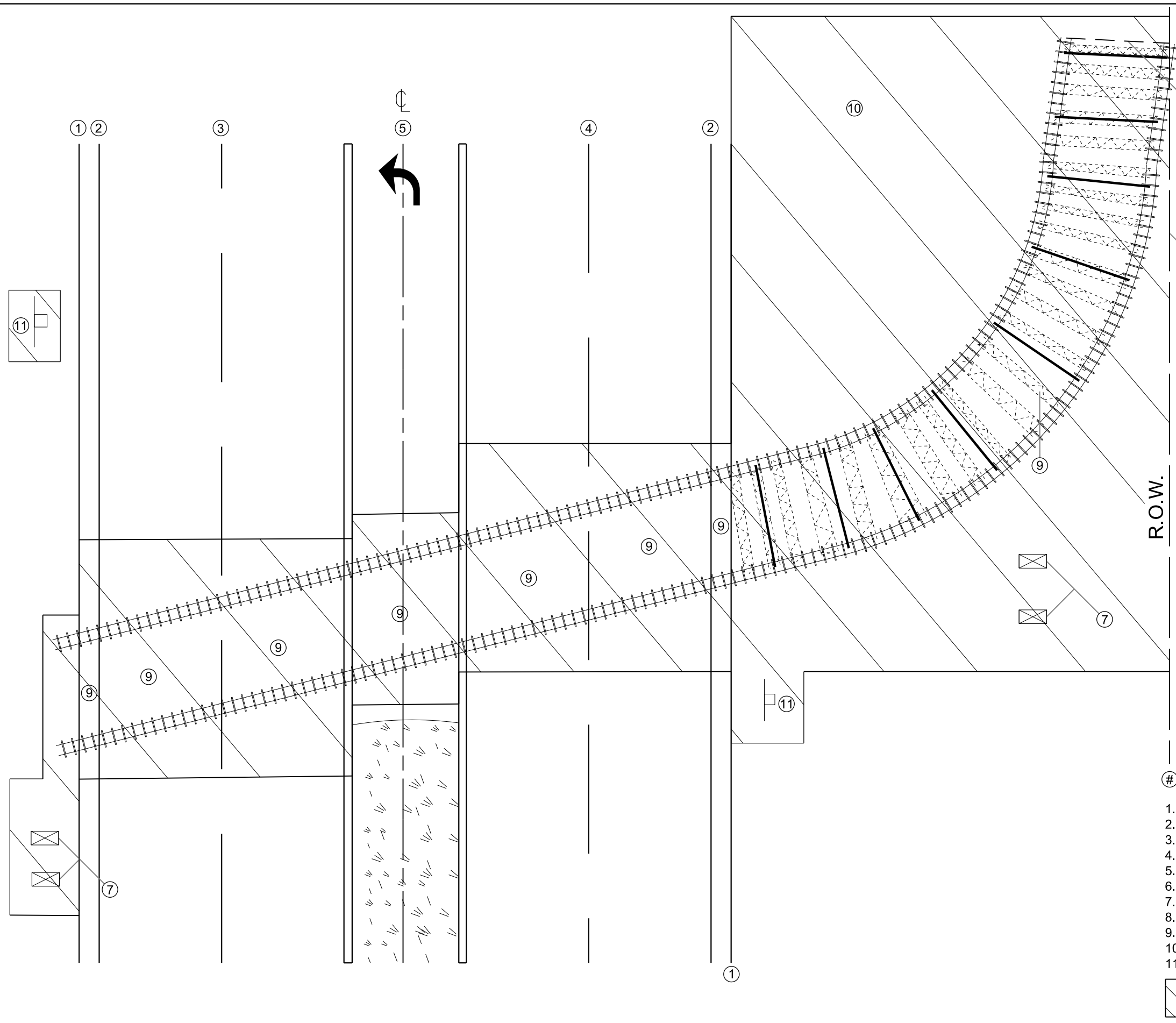
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT DEPTHS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	27
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

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NOTES:

THE RAILROAD TRACK REMOVAL BEYOND THE RIGHT OF WAY LINE, BACKFILLED AND SEEDED AS STATED IN SPECIAL PROVISION 68000.
 THE LINEAR FOOTAGE OF THE RAILROAD TRACK IS 212 FT.

LEGEND

- 1. EXIST. EDGE OF SHOULDER
- 2. EXIST. EDGE OF PAVEMENT
- 3. EXIST. CENTERLINE EB
- 4. EXIST. CENTERLINE WB
- 5. EXIST. HMA MEDIAN
- 6. EXIST. RIGHT OF WAY
- 7. CONCRETE STRUCTURE TO BE REMOVED
- 8. END OF RAILROAD CUT SECTION
- 9. RAILROAD TIES REMOVAL AND DISPOSAL
- 10. RAILROAD TRACK REMOVAL
- 11. EXIST. ROADWAY TRAFFIC SIGN



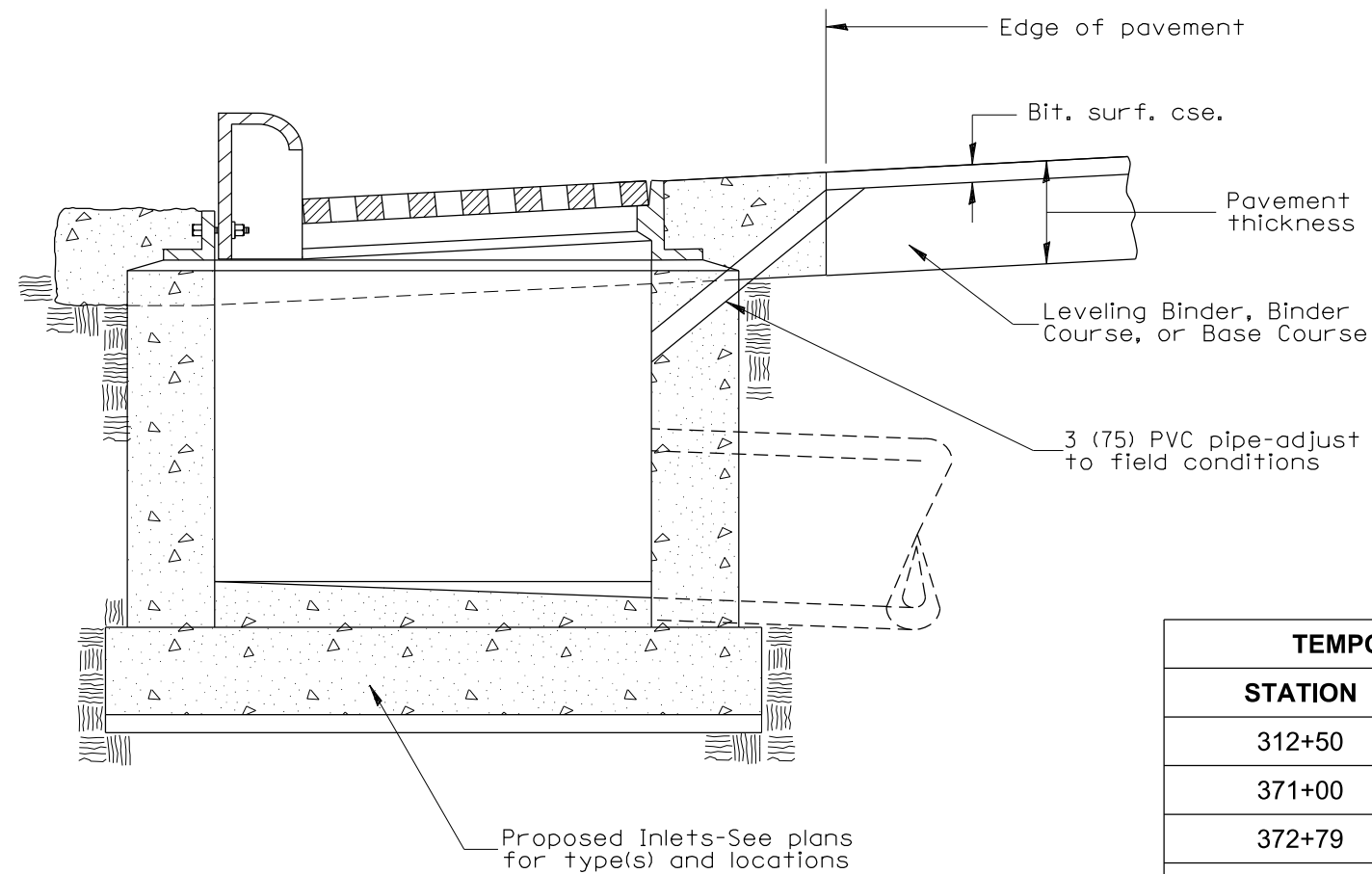
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RAILROAD TRACK REMOVAL DETAIL
 NOT TO SCALE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	28
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				



TEMPORARY INLET DRAINAGE TREATMENT		
STATION	NB / SB	SIDEROAD
312+50		CEDAR HILLS DRIVE
371+00	SB	RENCH ROAD
372+79	NB	RENCH ROAD
375+46	NB	RENCH ROAD
377+44	NB	RENCH ROAD
378+57	NB	RENCH ROAD
406+64	NB	OLD GALENA ROAD
409+16	NB	OLD GALENA ROAD
23+91	SB	OLD GALENA ROAD
27+28	SB	OLD GALENA ROAD
30+85	SB	OLD GALENA ROAD

GENERAL NOTES:

1. Temporary Drainage - This work consists of furnishing and installing a 3 (75) PVC pipe in the proposed inlet to facilitate drainage off the pavement prior to the placement of bituminous surface course.
2. Adequate pavement drainage shall be maintained during all phases of construction.
3. The PVC pipe is to be filled with mortar prior to surface course placement.
4. This detail applies to all inlet types.

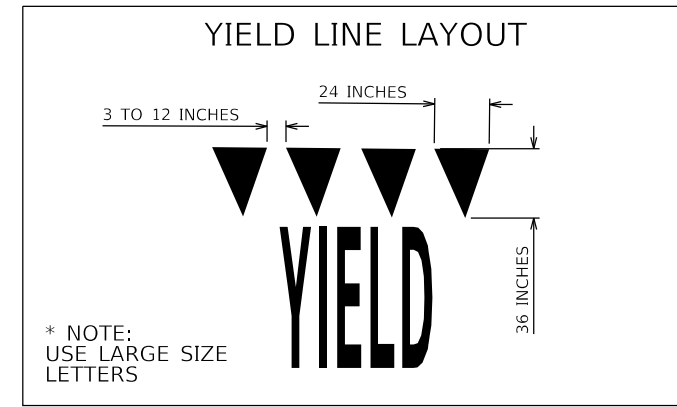
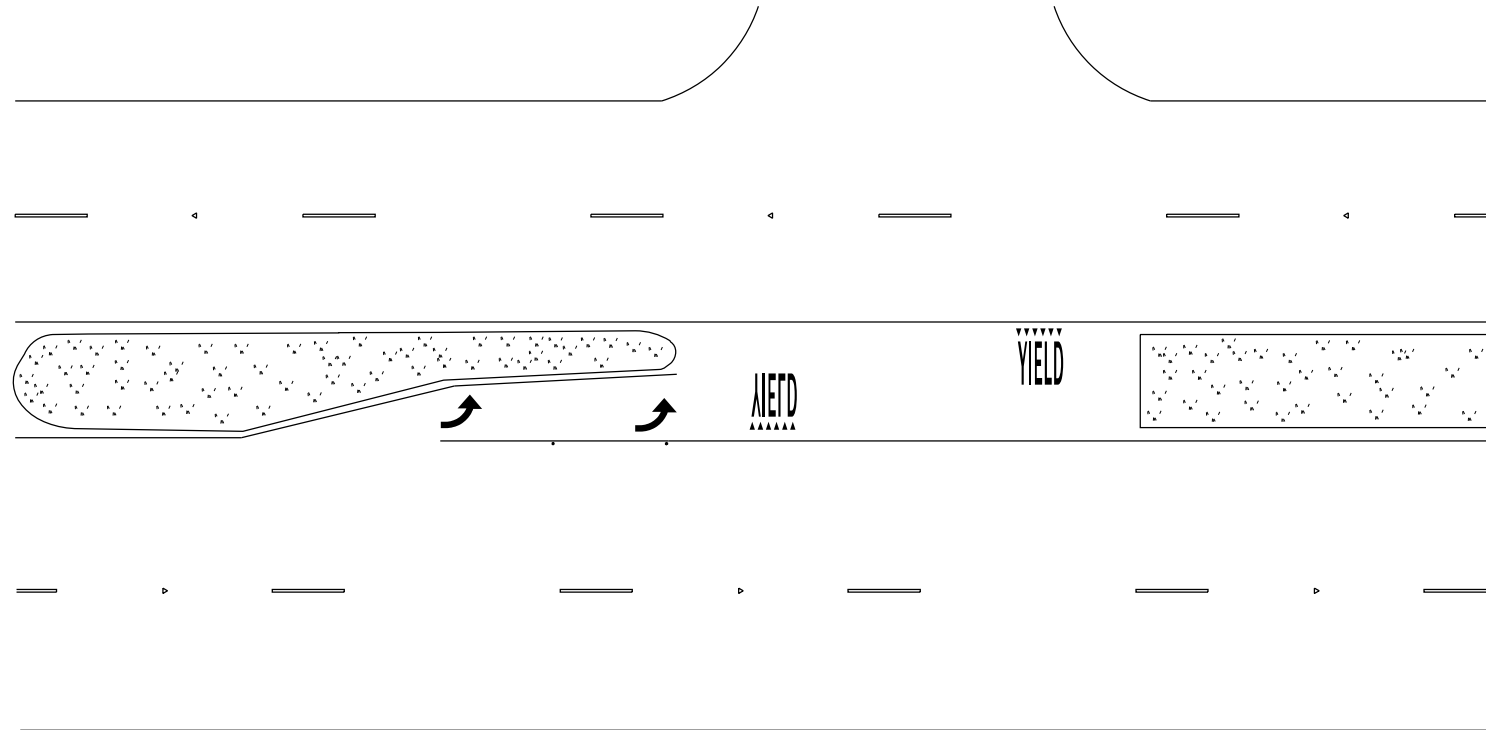
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All dimensions are in inches (millimeters) unless otherwise noted.

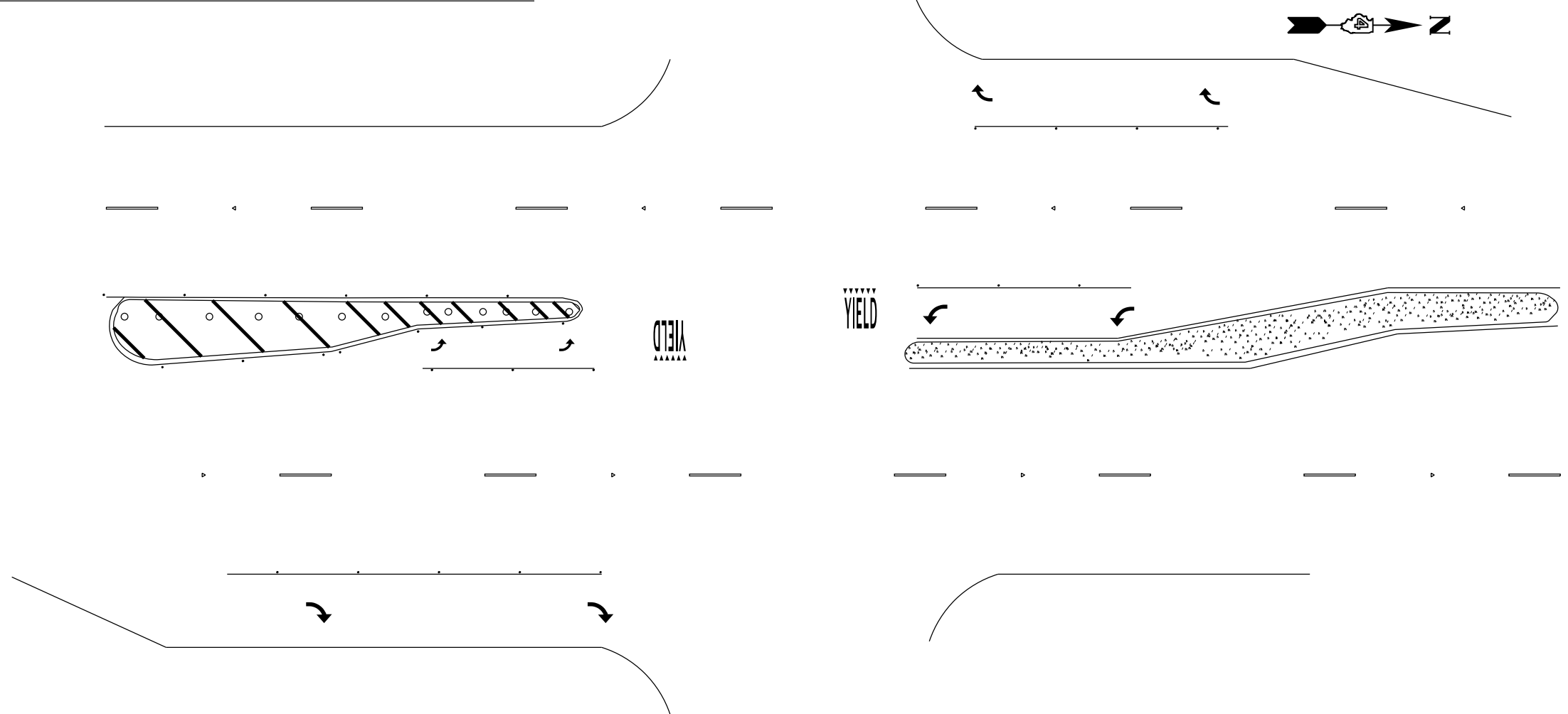
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PLOT DATE = 2/7/2020	CHECKED -	REVISED -		CONTRACT NO. 68A81			ILLINOIS FED. AID PROJECT			
	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.				

CAMBRON AVENUE



KNOX STREET



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DATE: 2/7/2020

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PLOT DATE = 2/7/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

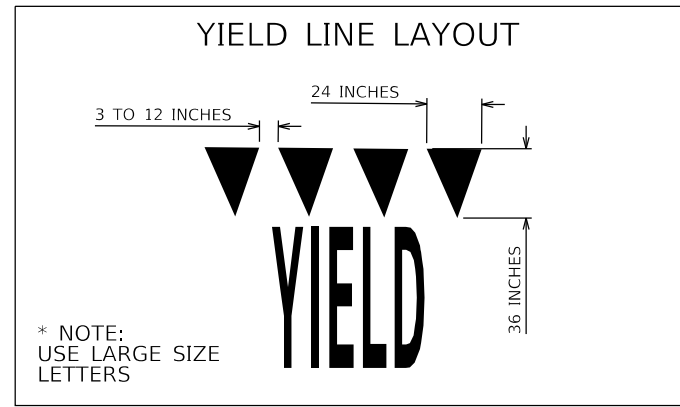
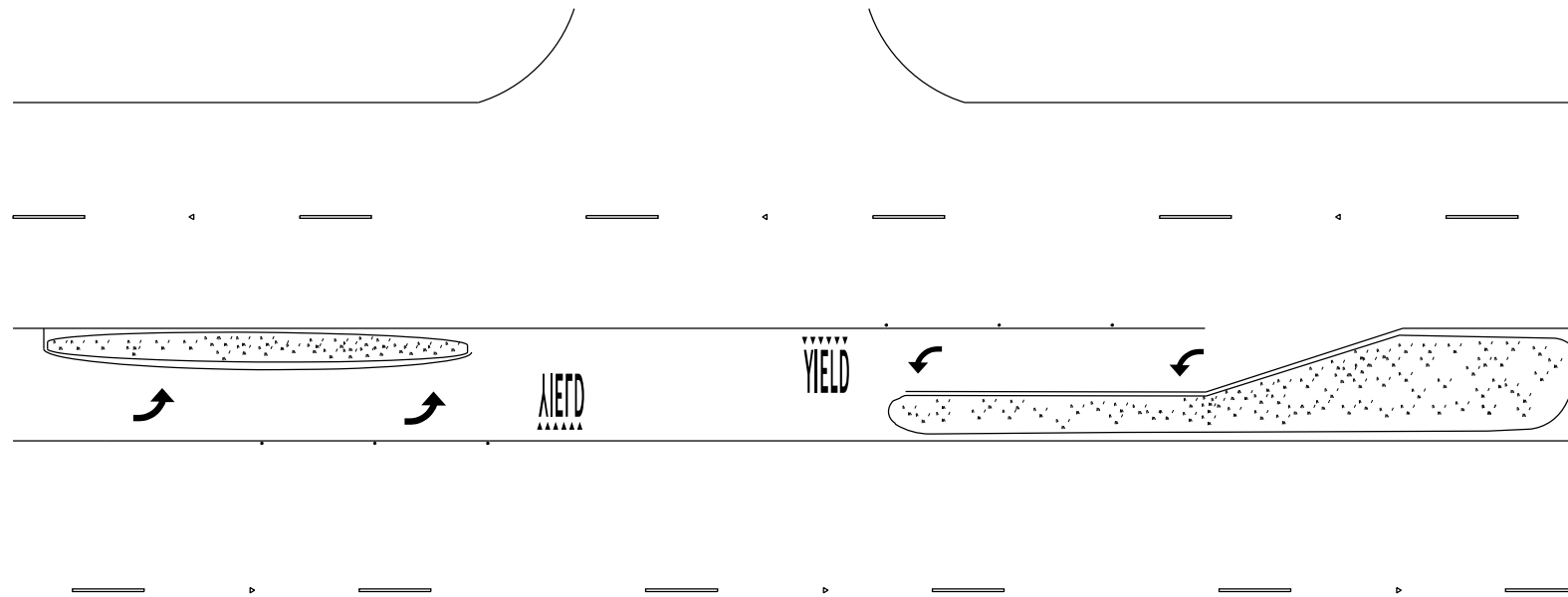
INTERSECTION STRIPING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

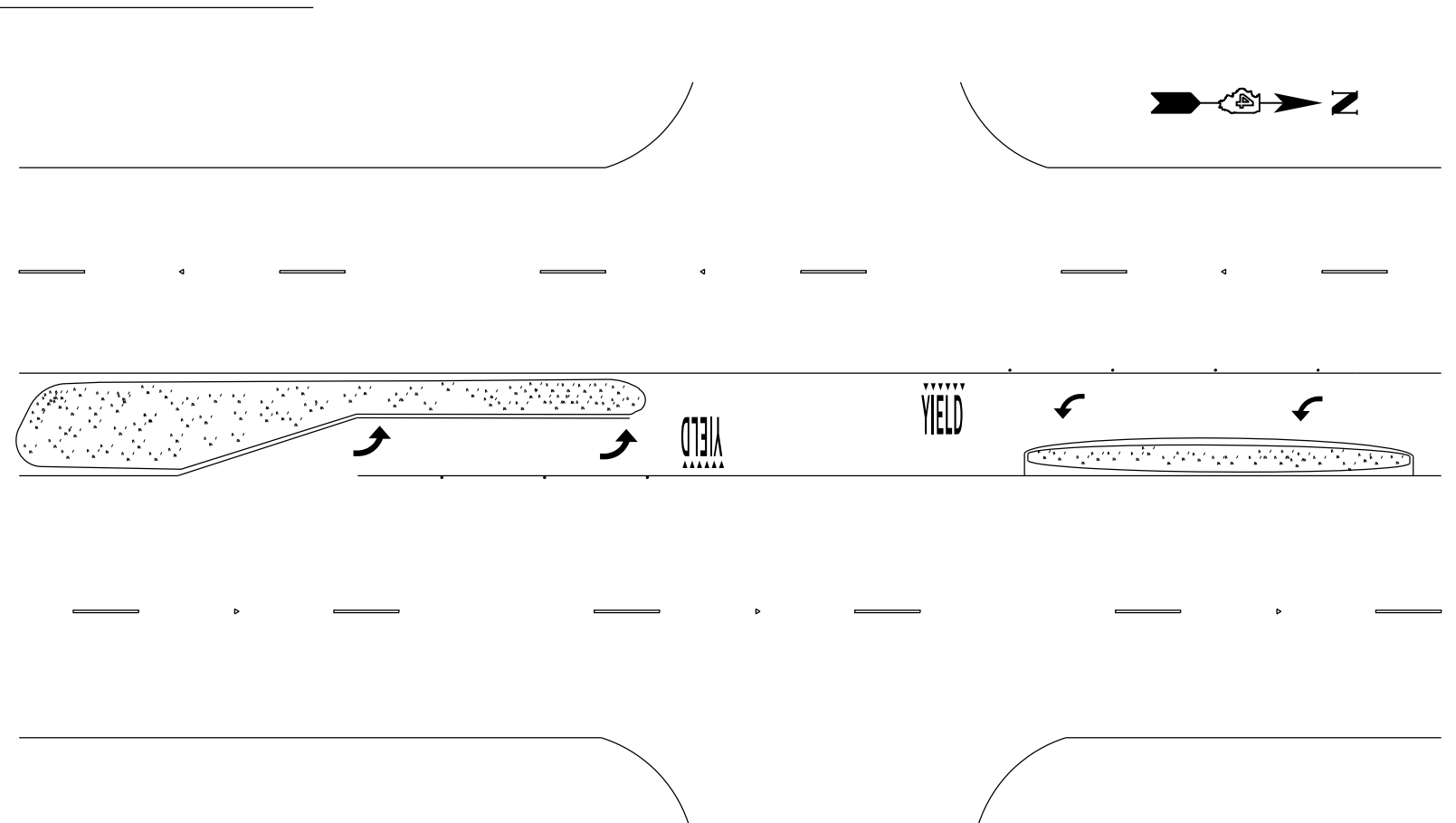
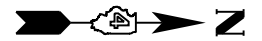
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	30
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				



WASHINGTON STREET



HILLCREST DRIVE



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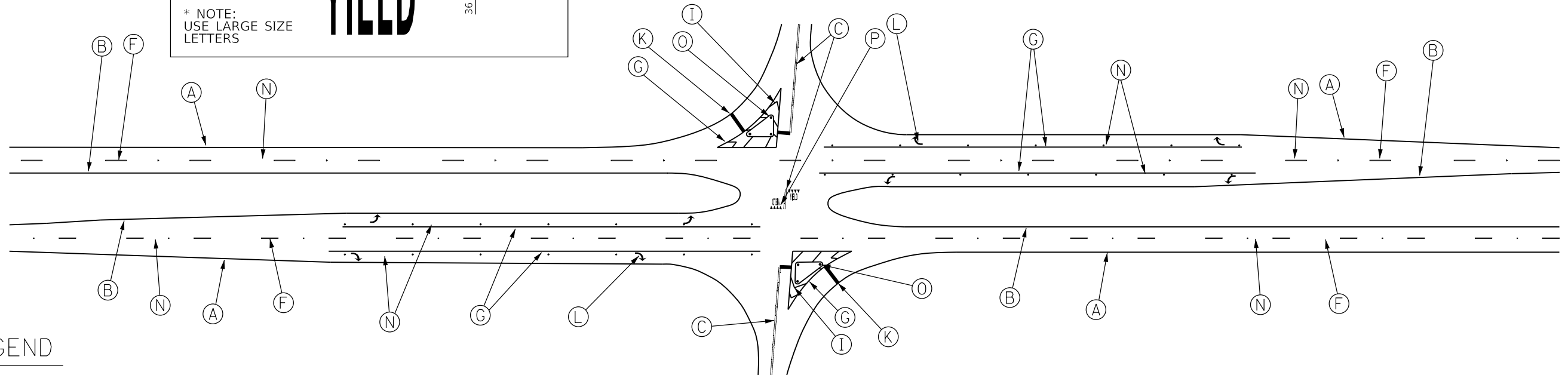
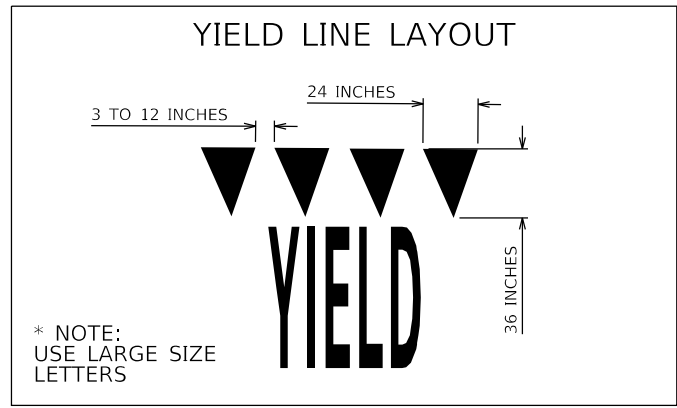
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PLOT DATE = 2/7/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION STRIPING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	31
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

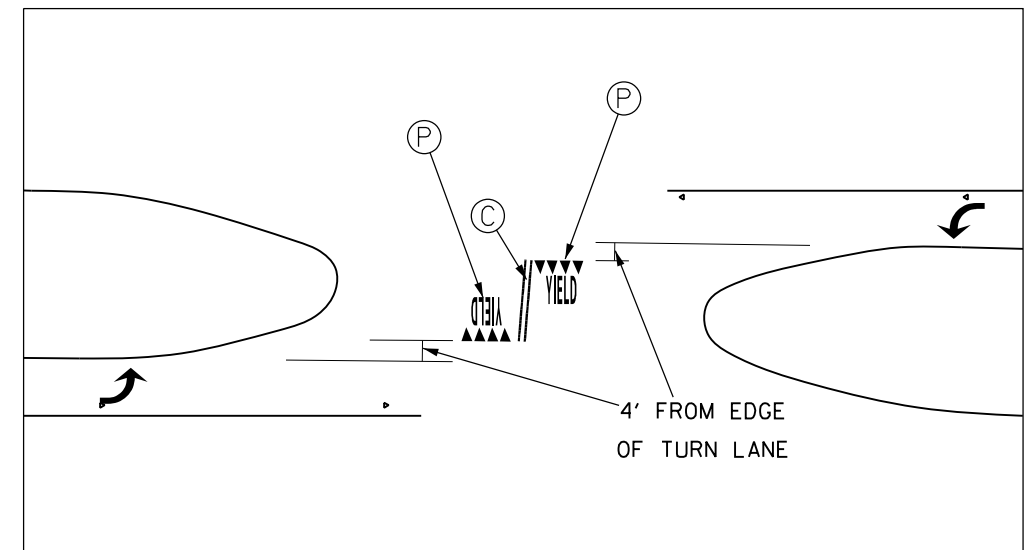


LEGEND

- (A) THERMOPLASTIC WHITE 4" SOLID LINE
- (B) THERMOPLASTIC YELLOW 4" SOLID LINE
- (C) THERMOPLASTIC DOUBLE YELLOW 4" SOLID LINE
- (D) THERMOPLASTIC YELLOW 4" SKIP LINE - 10' LONG, 30' GAP
- (E) THERMOPLASTIC WHITE 6" SOLID LINE
- (F) THERMOPLASTIC WHITE 6" SKIP LINE - 10' LONG, 30' GAP
- (G) THERMOPLASTIC WHITE 8" SOLID LINE
- (H) THERMOPLASTIC WHITE 8" SKIP LINE - 2' LONG, 6' GAP
- (I) THERMOPLASTIC WHITE 12" SOLID LINE
- (J) THERMOPLASTIC YELLOW 12" SOLID LINE
- (K) THERMOPLASTIC WHITE 24" SOLID LINE (STOP BAR)
- (L) THERMOPLASTIC WHITE LETTER & SYMBOLS
- (M) RAISED REFLECTIVE PAVEMENT MARKER - AMBER
- (N) RAISED REFLECTIVE PAVEMENT MARKER - CRYSTAL
- (O) TUBULAR MARKER
- (P) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS

INTERSECTION DETAIL #1

IL 29



NOT TO SCALE

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PLOT DATE = 2/7/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION STRIPING DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	32
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

ITEM DESCRIPTION	UNIT	TOTAL QTY.	OVERHEAD LIGHTING IL 29 & OLD GALENA RD.	TRAFFIC SIGNALS IL 29 & ENGINE DR. / RENCH RD.	TRAFFIC SIGNALS IL 29 & CEDAR HILLS DR.
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	9.0	9.0		
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1.0	1.0		
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	5.0		4.0	1.0
DETECTOR LOOP, TYPE I	FOOT	2118.0		1767.0	351.0
MICROWAVE DETECTION UNIT	EACH	1.0			1.0
CELLULAR MODEM	EACH	2.0		1.0	1.0
CAT 5 ETHERNET CABLE	FOOT	130.5			130.5
ADJUST EXISTING DETECTOR LOOP RISER	EACH	11.0		9.0	2.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0			1.0
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1.0			1.0
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1.0			1.0

FILE NAME =	USER NAME = hudelsonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL AND OVERHEAD LIGHTING SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 2/7/2020						SCALE:	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

DETECTOR LOOP INSTALLATION - CONSTRUCTION NOTES

1. DETECTOR LOOP REPLACEMENT QUANTITIES ARE ESTIMATED. THE CONTRACTOR SHALL ONLY REPLACE THE DETECTOR LOOPS THAT ARE DAMAGED BY THE MILLING PROCESS.
2. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
3. ALL DETECTOR LOOPS SHALL BE PLACED BACK INTO THEIR ORIGINAL LOCATIONS. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES.
4. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE MILLED SURFACE OR LEVELING BINDER COURSE BEFORE THE FINAL OVERLAY.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, BEN TELLEFSON, AT (309) 671-4477 FORTY-EIGHT HOURS PRIOR TO BEGINNING MILLING OR PATCHING OPERATIONS.
6. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE FOR DETECTOR LOOP, TYPE I PAY ITEM. THERE WILL BE NO ADDITIONAL COMPENSATION.

CONSTRUCTION NOTES

1. 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.
2. ANY MAINTENANCE OF EXISTING ELECTRICAL FACILITIES WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
3. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
4. 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.
5. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
6. ALL LOOP RISERS AFFECTED BY THE MILLING OPERATIONS SHALL BE REFLECTED THROUGH THE NEW SURFACE AND ALL LOOP RISERS SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK WILL BE PAID FOR UNDER THE PAY ITEM FOR "ADJUST EXISTING DETECTOR LOOP RISER".
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.
9. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
10. ALL DETECTOR LOOPS SHALL UTILIZE A SEPARATE PAIR OF LEAD-INS AND A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
11. 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 UNIT PRICES FOR THE CONDUITS.
12. THE EXISTING TRAFFIC SIGNALS AND OVERHEAD LIGHTING SHALL REMAIN IN OPERATION DURING THE INSTALLATION OF THE PROPOSED COMPONENTS.
13. REMOVAL OF EXISTING ITEMS (LUMINAIRES, WIRING, ETC.) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE PROPOSED ITEMS.
14. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW FUSEHOLDERS, FUSES, SURGE ARRESTORS, AND WIRING FOR EACH LUMINAIRE IN ACCORDANCE WITH HIGHWAY STANDARD 821101-02. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED LUMINAIRES.
15. THE CONTRACTOR SHALL REMOVE HPS LAMPS FROM THE EXISTING FIXTURES PRIOR TO DISPOSAL. THE HPS LAMP SHALL BE DISPOSED OF AT A CERTIFIED RECYCLING FACILITY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED LUMINAIRES.
16. THE CONTRACTOR SHALL FURNISH 1 FT. GALVANIZED STEEL LUMINAIRE ARMS AND INSTALL THEM ONTO THE EXISTING TENON TOP LIGHT POLES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED LUMINAIRES.

FILE NAME =	USER NAME = hudelsonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL AND OVERHEAD LIGHTING CONSTRUCTION NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLLOT DATE = 2/7/2020	DATE -	REVISED -			CONTRACT NO. 68A81		ILLINOIS FED. AID PROJECT			
						SCALE:	STA.	TO STA.			

ROUTE	LOCATION	EX. LUMINAIRE MOUNTING HEIGHT	EX. LUMINAIRE TYPE AND WATTAGE	EX. LUMINAIRE VOLTAGE	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	NOTES
IL 29	OLD GALENA ROAD	45 FT. (POLES)	HPS, 250W, MULTIMOUNT	240	9.0	FURNISH 1 FT. ARM AND INSTALL ON EX. TENON TOP LIGHT POLES, FURNISH AND INSTALL NEW SURGE ARRESTOR, FUSEHOLDER, FUSES, AND LUMINAIRE WIRING



BILL OF MATERIALS IL 29 & OLD GALENA ROAD		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	9.0
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1.0

SHEET 3 OF 13

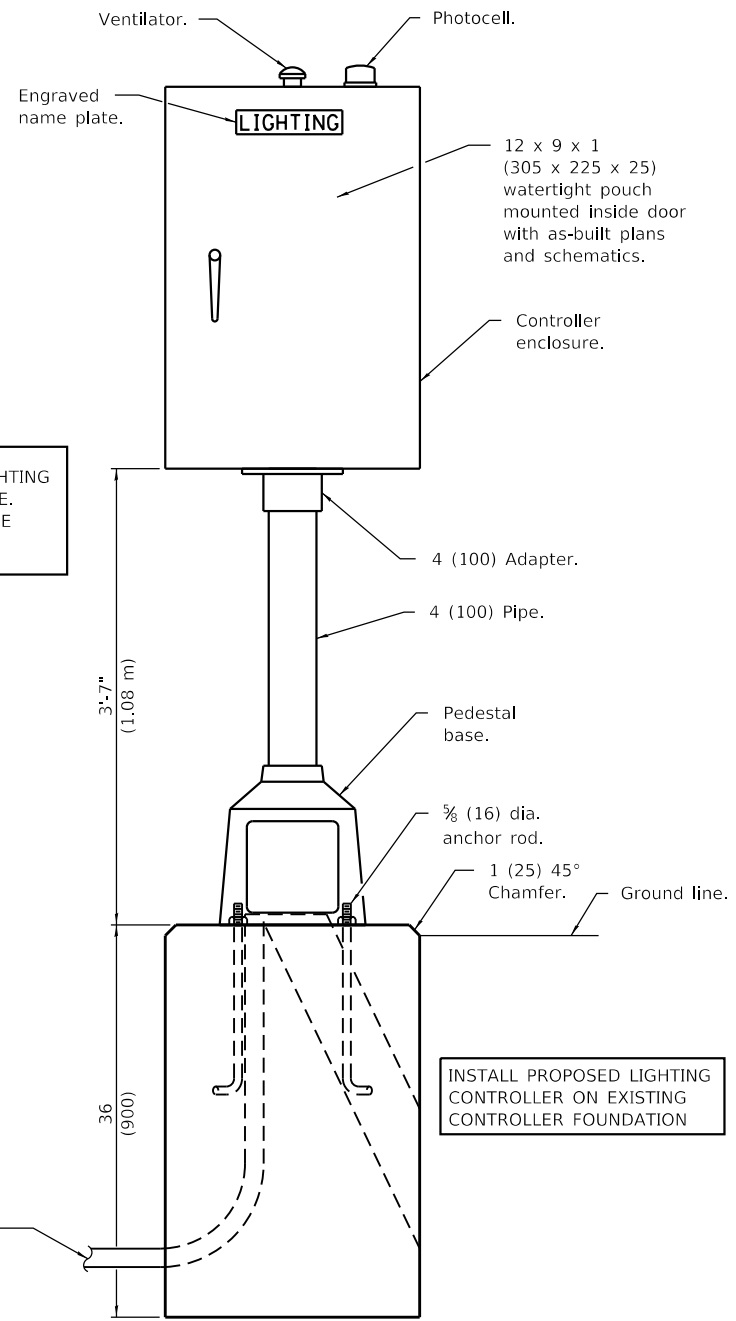
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/7/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE AND LIGHTING CONTROLLER REPLACEMENT
IL 29 & OLD GALENA ROAD

SCALE: _____ STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6;9RS-3;10RS-7	PEORIA	53	35
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				



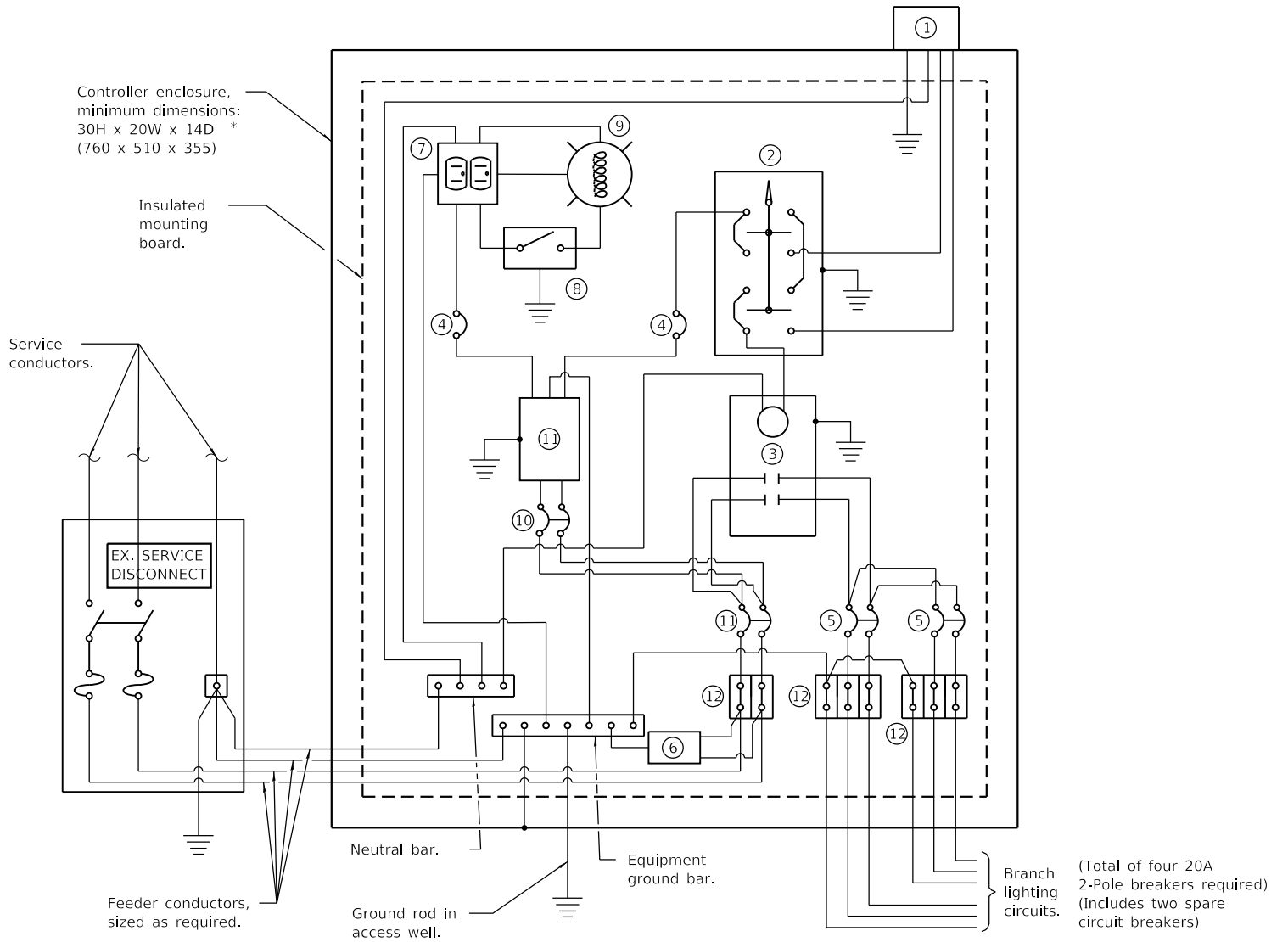
THE CONTRACTOR SHALL REMOVE THE EXISTING LIGHTING CONTROLLER AND DISPOSE OF IT FROM THE JOB SITE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED LIGHTING CONTROLLER

INSTALL PROPOSED LIGHTING CONTROLLER ON EXISTING CONTROLLER FOUNDATION

To service pole.

THE PROPOSED LIGHTING CONTROLLER WILL BE INSTALLED ON THE EXISTING CONTROLLER FOUNDATION

THE EXISTING SERVICE INSTALLATION WILL REMAIN IS USE WITH THE PROPOSED LIGHTING CONTROLLER



CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 60 amp, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 20 amp*, 2-pole circuit breaker (two spares required but not shown).
- ⑥ Surge arrester.
- ⑦ GFCI duplex receptacle.
- ⑧ Single-pole, single-throw switch.
- ⑨ Light Fixture, enclosed and gasketed with 800 Lumen LED lightbulb.
- ⑩ 15 amp, 2-pole circuit breaker.
- ⑪ 60 amp*, 2-pole circuit breaker.
- ⑫ Terminal block sized for conductors as shown on plans.

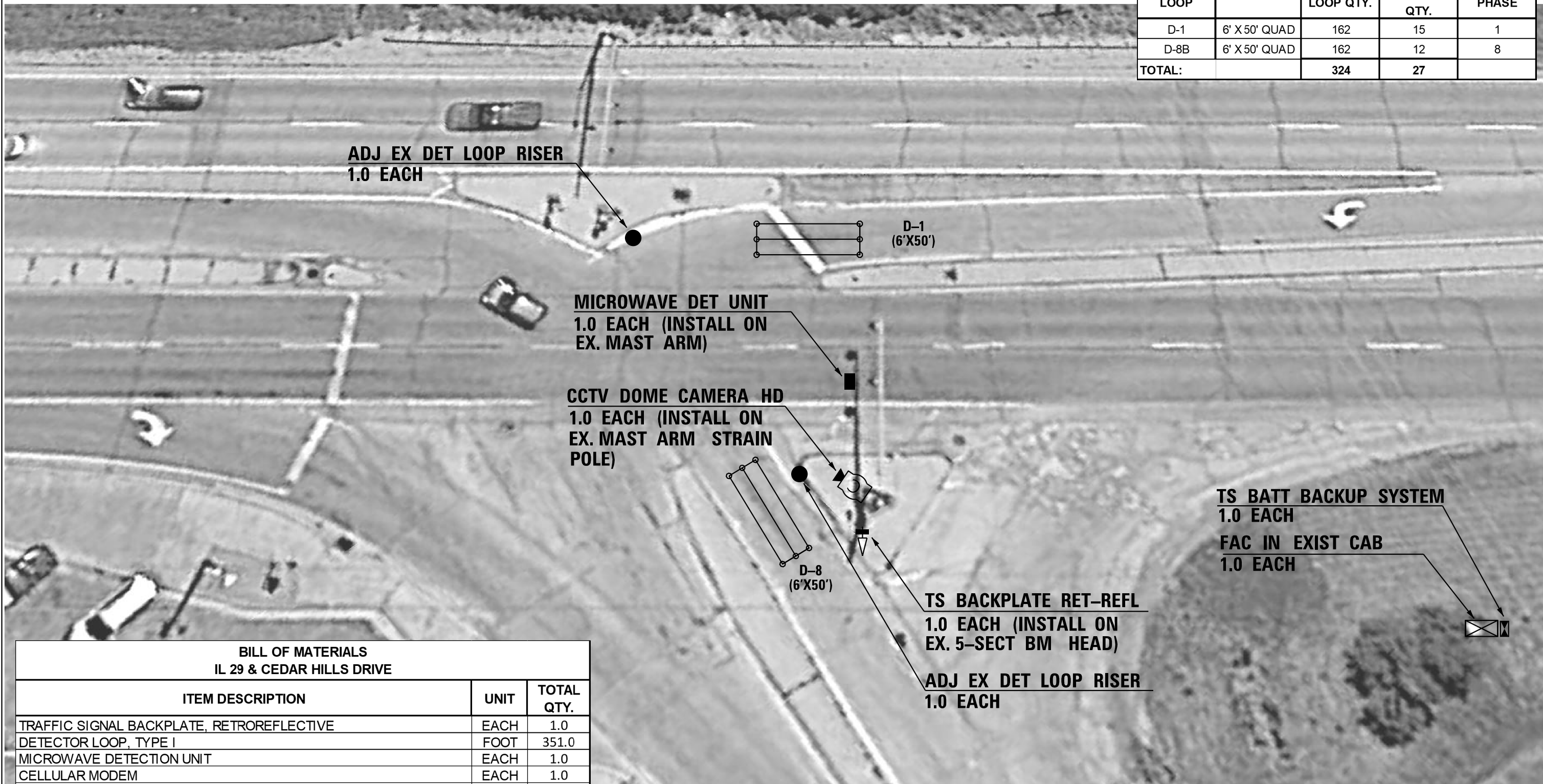
All dimensions are in inches (millimeters) unless otherwise shown.

Branch lighting circuits. (Total of four 20A 2-Pole breakers required) (Includes two spare circuit breakers)

FILE NAME =	USER NAME = hudelsonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING CONTROLLER DETAIL IL 29 & OLD GALENA ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 4\Projects\D4.68\Drawings\CADsheets\D468A81-shr-plan.dgn		CHECKED -	REVISED -			318	8RS-6;9RS-3;10RS-7	PEORIA	53	36	
PLOT SCALE = 40.0000' / in.		DATE -	REVISED -			CONTRACT NO. 68A81					
PLOT DATE = 2/7/2020						ILLINOIS FED. AID PROJECT					



DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 29 & CEDAR HILLS DR.				
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE
D-1	6' X 50' QUAD	162	15	1
D-8B	6' X 50' QUAD	162	12	8
TOTAL:		324	27	



BILL OF MATERIALS IL 29 & CEDAR HILLS DRIVE		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	1.0
DETECTOR LOOP, TYPE I	FOOT	351.0
MICROWAVE DETECTION UNIT	EACH	1.0
CELLULAR MODEM	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	130.5
ADJUST EXISTING DETECTOR LOOP RISER	EACH	2.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1.0
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1.0

FILE NAME =	USER NAME = hudelsonme	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISOR -
	PLOT DATE = 2/7/2020	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL IMPROVEMENTS
IL 29 & CEDAR HILLS DR.**

SCALE: _____ STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6;9RS-3;10RS-7	PEORIA	53	37
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF SIGNAL HEAD QUANTITIES

TOTAL QUANTITY	UNIT	ITEM	LOCATION
2	EACH	SIGNAL HEAD, ALUM, 1F, 1S MAM	6,9
2	EACH	SIGNAL HEAD, ALUM, 1F, 3S MAM	2,3
1	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD 4 IF 5S BM	4
1	EACH	COMBINATION SIGNAL HEAD, 2 FACE 1-5 SECTION OPTICALLY PROGRAMMED 1-3 SECTION BRACKET MOUNTED	6,7
1	EACH	SIGNAL HEAD, ALUMINUM, 1F, 3S, BM	5
1	EACH	SIGNAL HEAD, ALUMINUM, 1F, 5S, BM	1

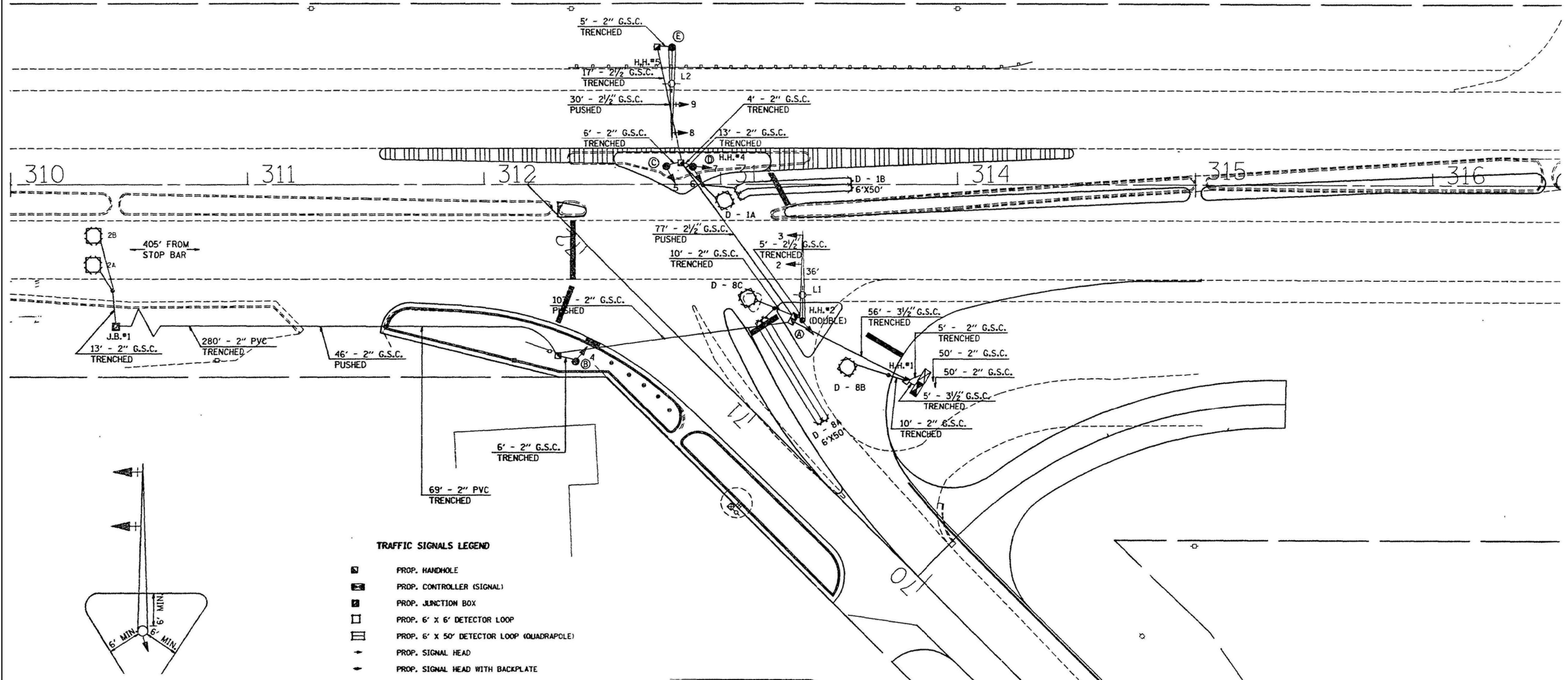
* OPTICALLY PROGRAMMED SIGNAL HEADS WILL BE SUPPLIED BY THE STATE, AND SHALL BE PICKED UP AT 5826 N. KNOXVILLE AVE.

CONSTRUCTION NOTES

- ALL DETECTOR LOOPS SHALL BE LOCATED IN THE CENTER OF THEIR RESPECTIVE LANES. THE BUREAU OF TRAFFIC SHALL BE NOTIFIED TO VERIFY PROPOSED LOOP LOCATIONS BEFORE THEY ARE CUT.
- THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT OR PROPOSED BINDER COURSE BEFORE THE FINAL OVERLAY. THIS RISER AREA SHALL THEN BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR DETECTOR LOOP.
- THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.

63	9,TS	PEORIA	26	12
STA.		TD STA.		
FED. ROAD DIST. NO.		DISTRICT		FED. AID PROJECT

FOR REFERENCE ONLY



TRAFFIC SIGNALS LEGEND

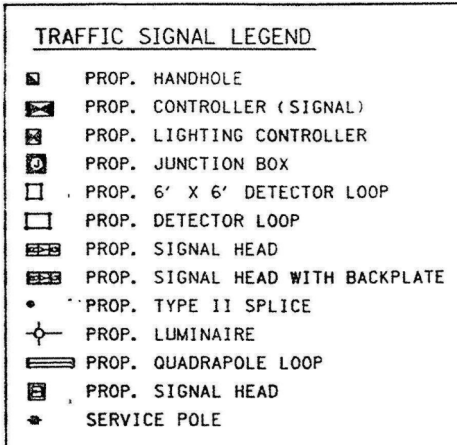
- PROP. HANDHOLE
- PROP. CONTROLLER (SIGNAL)
- PROP. JUNCTION BOX
- PROP. 6' x 6' DETECTOR LOOP
- PROP. 6' x 50' DETECTOR LOOP (QUADRANGLE)
- PROP. SIGNAL HEAD
- PROP. SIGNAL HEAD WITH BACKPLATE

FILE NAME =	USER NAME = hudelsonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL PLANS IL 29 & CEDAR HILLS DR.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 2/7/2020	DATE -	REVISED -				CONTRACT NO. 68A81				
						ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY

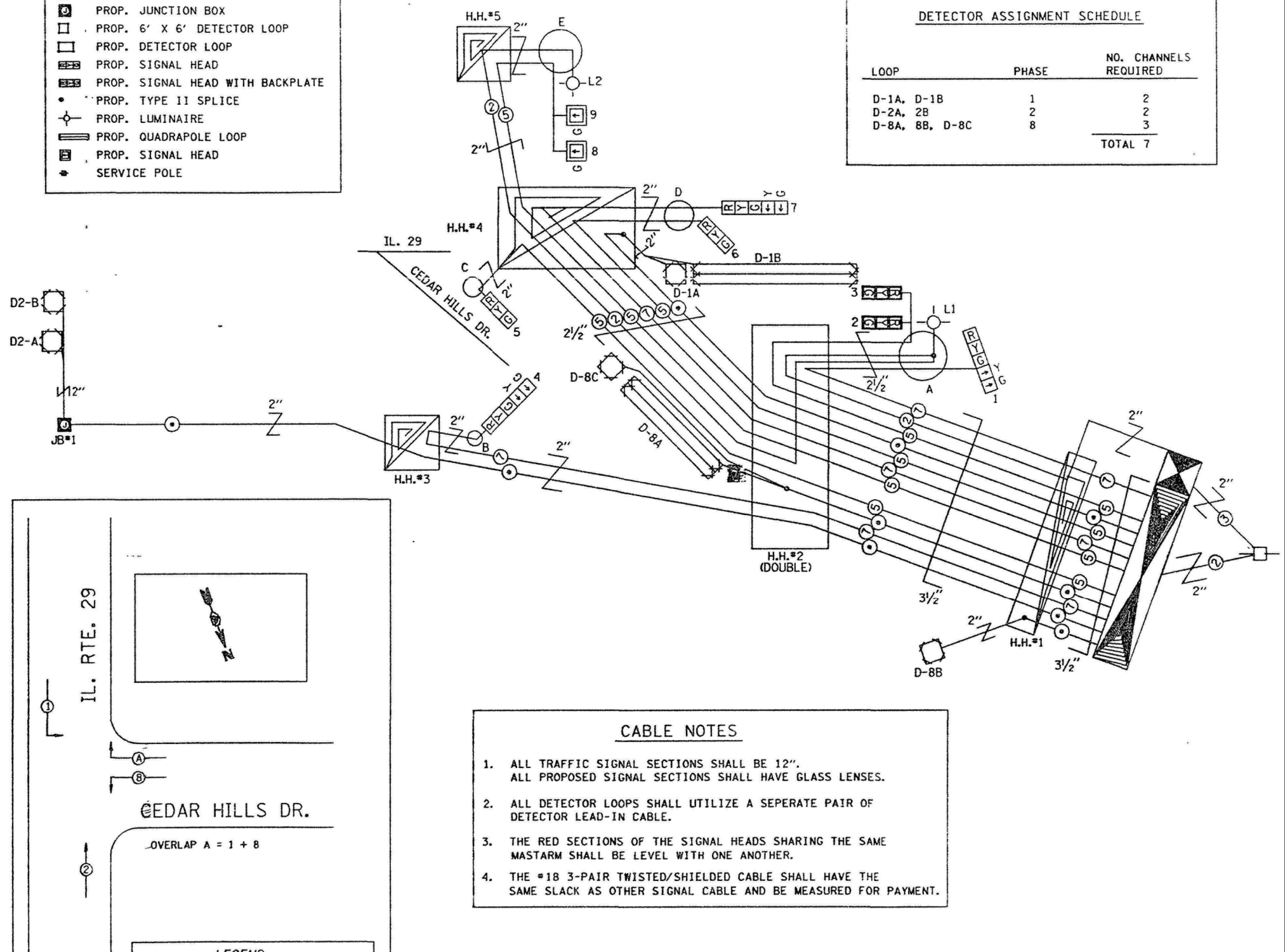
F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	9, TS	PEORIA	26	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ALTERN.	FED. AID PROJECT		

ITEM	UNIT	QUANTITY
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	2
SERVICE INSTALLATION PHOTOCCELL RELAY	EACH	1
SIGNAL HEAD, ALUMINUM, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, ALUMINUM, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, ALUMINUM, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, ALUMINUM, 1-FACE, 1-SECTION, MAST ARM MOUNTED	EACH	2
OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
COMBINATION SIGNAL HEAD, 2-FACE, 1-5 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE	EACH	7
TRAFFIC SIGNAL POST, 14 FT.	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	2
FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE IV, 4 PHASES, IN TYPE IV CABINET	EACH	1
INDUCTION LOOP DETECTOR AMPLIFIER	EACH	7
DETECTOR LOOP, TYPE I	LIN FT	544
GALVANIZED STEEL CONDUIT IN TRENCH 2"	LIN FT	200
GALVANIZED STEEL CONDUIT IN TRENCH 2 1/2"	LIN FT	22
GALVANIZED STEEL CONDUIT IN TRENCH 3 1/2"	LIN FT	61
GALVANIZED STEEL CONDUIT, PUSHED 2"	LIN FT	149
GALVANIZED STEEL CONDUIT, PUSHED 2 1/2"	LIN FT	107
PVC CONDUIT IN TRENCH 2"	LIN FT	349
ELECTRIC CABLE IN CONDUIT NO. 6 2/C	LIN FT	50
ELECTRIC CABLE IN CONDUIT NO. 6 3/C	LIN FT	50
ELECTRIC CABLE IN CONDUIT NO. 12 1/C	LIN FT	212
ELECTRIC CABLE IN CONDUIT NO. 14 5/C	LIN FT	698
ELECTRIC CABLE IN CONDUIT NO. 14 7/C	LIN FT	435
ELECTRIC CABLE IN CONDUIT NO. 18, 3 PAIR TWISTED, SHIELDED	LIN FT	827
SERVICE INSTALLATION, TYPE B	EACH	1
CONCRETE FOUNDATION, TYPE A	LIN FT	9
CONCRETE FOUNDATION, TYPE D	LIN FT	3.5
CONCRETE FOUNDATION, TYPE E 50-INCH DIAMETER	LIN FT	24



DETECTOR ASSIGNMENT SCHEDULE

LOOP	PHASE	NO. CHANNELS REQUIRED
D-1A, D-1B	1	2
D-2A, 2B	2	2
D-8A, 8B, D-8C	8	3
TOTAL		7



- ### CABLE NOTES
- ALL TRAFFIC SIGNAL SECTIONS SHALL BE 12". ALL PROPOSED SIGNAL SECTIONS SHALL HAVE GLASS LENSES.
 - ALL DETECTOR LOOPS SHALL UTILIZE A SEPERATE PAIR OF DETECTOR LEAD-IN CABLE.
 - THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MASTARM SHALL BE LEVEL WITH ONE ANOTHER.
 - THE #18 3-PAIR TWISTED/SHIELDED CABLE SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE AND BE MEASURED FOR PAYMENT.



DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 29 & ENGINE DR. / RENCH RD.				
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE
D-1	6' X 50' QUAD	162	8	1
D-2A	6' X 6' ADV	24	8	2
D-2B	6' X 6' ADV	24	15	2
D-2C	6' X 6' ADV	24	8	2
D-2D	6' X 6' ADV	24	15	2
D-2E	6' X 20'	52	15	2
D-2F	6' X 20'	52	24	2
D-4A	6' X 50' QUAD	162	8	4
D-4B	6' X 50' QUAD	162	18	4
D-4C	6' X 50' QUAD	162	8	4
D-5A	6' X 50' QUAD	162	36	5
D-5B	6' X 50' QUAD	162	48	5
D-6A	6' X 6' ADV	24	8	6
D-6B	6' X 6' ADV	24	15	6
D-6C	6' X 6' ADV	24	8	6
D-6D	6' X 6' ADV	24	15	6
D-6E	6' X 20'	52	18	6
D-6F	6' X 20'	52	8	6
D-8	6 X 30 QUAD	102	10	8
TOTAL:		1474	293	

BILL OF MATERIALS IL 29 & ENGINE DRIVE / RENCH ROAD		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	4.0
DETECTOR LOOP, TYPE I	FOOT	1767.0
CELLULAR MODEM	EACH	1.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	9.0

● EX. LOOP RISER TO BE ADJUSTED
 ◁ PROP. BACKPLATE ON EX. SIGNAL HEAD

FILE NAME =	USER NAME = hudsonme	DESIGNED -	REVISED -
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	PLOT DATE = 2/7/2020	DATE -	REVISED -

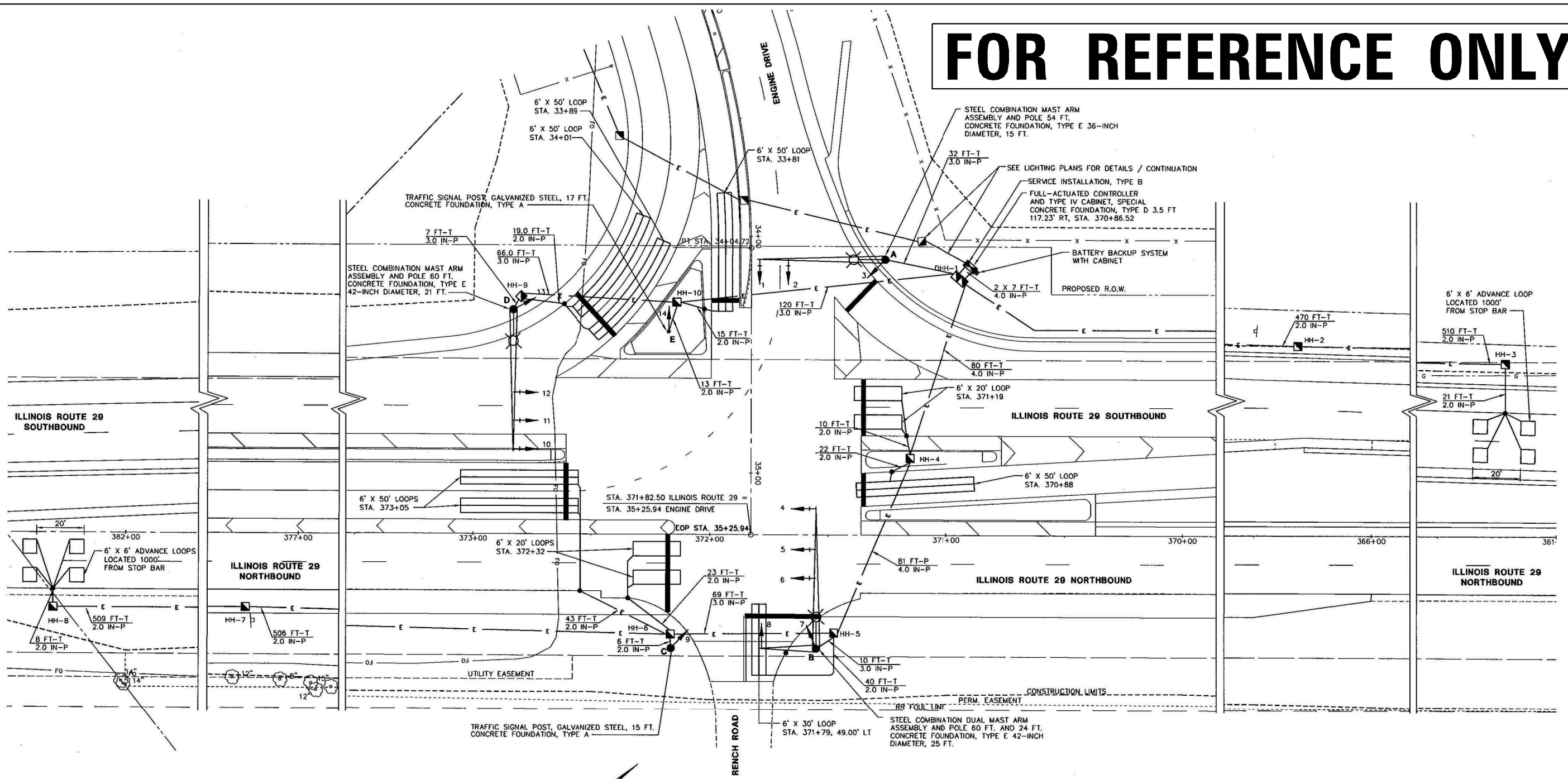
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL IMPROVEMENTS
IL 29 & ENGINE DR./RENCH RD.

SCALE: _____ STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6;9RS-3;10RS-7	PEORIA	53	40
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

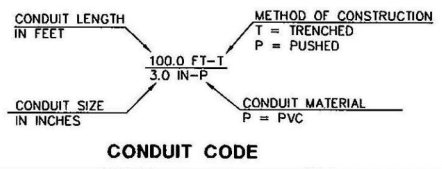
FOR REFERENCE ONLY



TRAFFIC SIGNAL PLAN
SCALE: 1" = 20'

TRAFFIC SIGNAL LEGEND

- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- SIGNAL CONTROLLER
- LUMINAIRE
- COMBINATION MAST ARM AND POLE
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD
- CONDUIT



SCHEDULE OF SIGNAL HEADS			
ITEM	UNIT	LOCATION	QUANTITY
SH, 1F, 3S, MAM	EA	1, 2, 4, 5, 6, 8, 10, 11, 12	9
SH, 1F, 3S, BM	EA	3, 7, 9	3
SH, 1F, 5S, BM	EA	13, 14	2
SIGNAL BACKPLATE	EA	1, 2, 4, 5, 6, 8, 10, 11, 12	9

SCHEDULE OF HANDHOLES			
ITEM	STATION	OFFSET	DESCRIPTION
DHH-1	370+94.40	108.00' RT	CONCRETE DOUBLE HANDHOLE
HH-2	366+31.38	80.18' RT	CONCRETE HANDHOLE
HH-3	361+21.50	72.86' RT	CONCRETE HANDHOLE
HH-4	371+15.51	32.46' RT	CONCRETE HANDHOLE
HH-5	371+47.61	41.45' LT	CONCRETE HANDHOLE
HH-6	372+16.45	42.16' LT	CONCRETE HANDHOLE
HH-7	372+22.22	31.30' LT	CONCRETE HANDHOLE
HH-8	382+30.53	31.51' LT	CONCRETE HANDHOLE
HH-9	372+79.89	100.34' RT	CONCRETE HANDHOLE
HH-10	372+13.94	98.17' RT	CONCRETE HANDHOLE

ALL TRAFFIC SIGNAL WORK INCLUDED IN THIS CONTRACT.

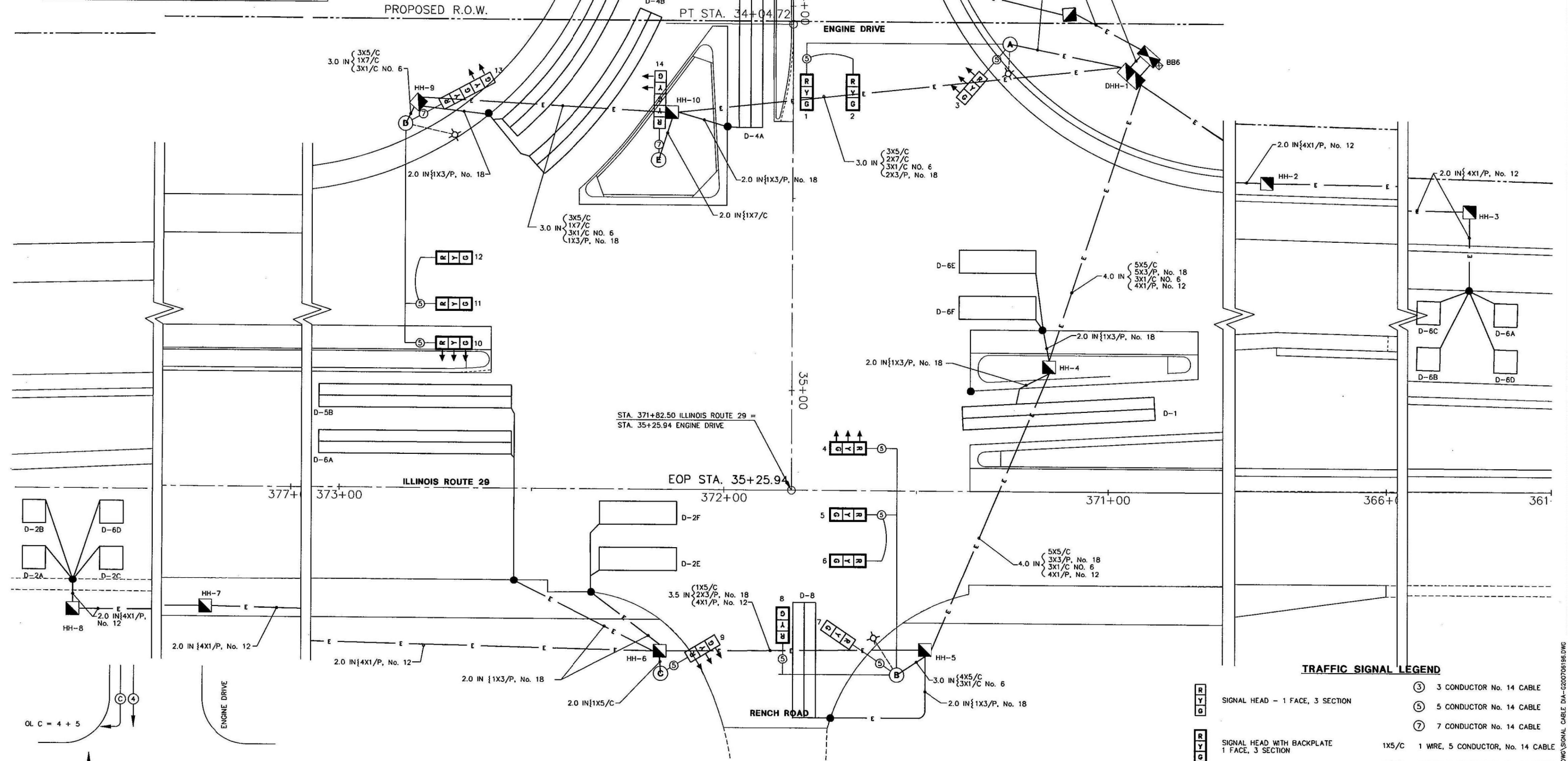
ALL MAST ARMS MUST BE LOCATED OUTSIDE OF THE CLEAR ZONE.

SCHEDULE OF SIGNAL POLES			
ITEM	STATION	OFFSET	DESCRIPTION
A	371+26.00	116.50' RT	STL COMB MAA&P 54
B	371+55.00	48.00' LT	STL COMB DUAL MAA&P 60/24
C	372+16.00	48.00' LT	TS POST GALVS 15
D	372+83.00	95.00' RT	STL COMB MAA&P 60
E	372+17.50	85.50' RT	TS POST GALVS 17

SHEET
59
OF

STS | AECOM | 111 NE Jefferson Ave. Portland, OR 97202 | INTERSECTION IMPROVEMENTS ILLINOIS ROUTE 29 AND ENGINE DRIVE / RENCH ROAD | SURVEY CHECKED | ISSUE DATE 07/03/08 | DESIGN CSA | APPROVED | PRELIM. DATE 02/18/08 | DRAWN CSA | PROJECT NO. 68A81 | SHEET 9 OF 13

SCHEDULE OF SIGNAL POLES		
DETRCTOR LOOP	ASSIGNED PHASE	NO. OF CHANNELS REQUIRED
D-1	1	1
D-2A, D-2B, D-2C, D-2D	2	4
D-2E, D-2F	2	2
D-4A, D-4B, D-4C	4	3
D-5A, D-5B	5	2
D-6A, D-6B, D-6C, D-6D	6	4
D-6E, D-6F	6	2
D-8	8	1
TOTAL NUMBER OF CHANNELS REQUIRED:		19



TRAFFIC SIGNAL CABLE WIRING PLAN
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

TRAFFIC SIGNAL LEGEND	
	SIGNAL HEAD - 1 FACE, 3 SECTION
	SIGNAL HEAD WITH BACKPLATE 1 FACE, 3 SECTION
	CONCRETE HANDHOLE
	CONCRETE DOUBLE HANDHOLE
	SIGNAL CONTROLLER
	LUMINAIRE
	ELECTRICAL SERVICE, TYPE B
	3 CONDUCTOR No. 14 CABLE
	5 CONDUCTOR No. 14 CABLE
	7 CONDUCTOR No. 14 CABLE
	1X5/C 1 WIRE, 5 CONDUCTOR, No. 14 CABLE
	1X7/C 1 WIRE, 7 CONDUCTOR, No. 14 CABLE
	3X1/C No. 6 3 WIRE, 1 CONDUCTOR No. 6 CABLE
	1X3/P, No. 18 1 WIRE, 3 PAIR NO. 18 TW/SH CABLE
	1X1/P, No. 12 1 WIRE, 1 PAIR NO. 12 TW/SH CABLE
	2.0 IN 1X5/C DENOTES 1 - 5 CONDUCTOR CABLE ASSEMBLIES IN 2" CONDUIT
	- E - CONDUIT (PUSHED OR TRENCHED)
	● TY II SPLICE

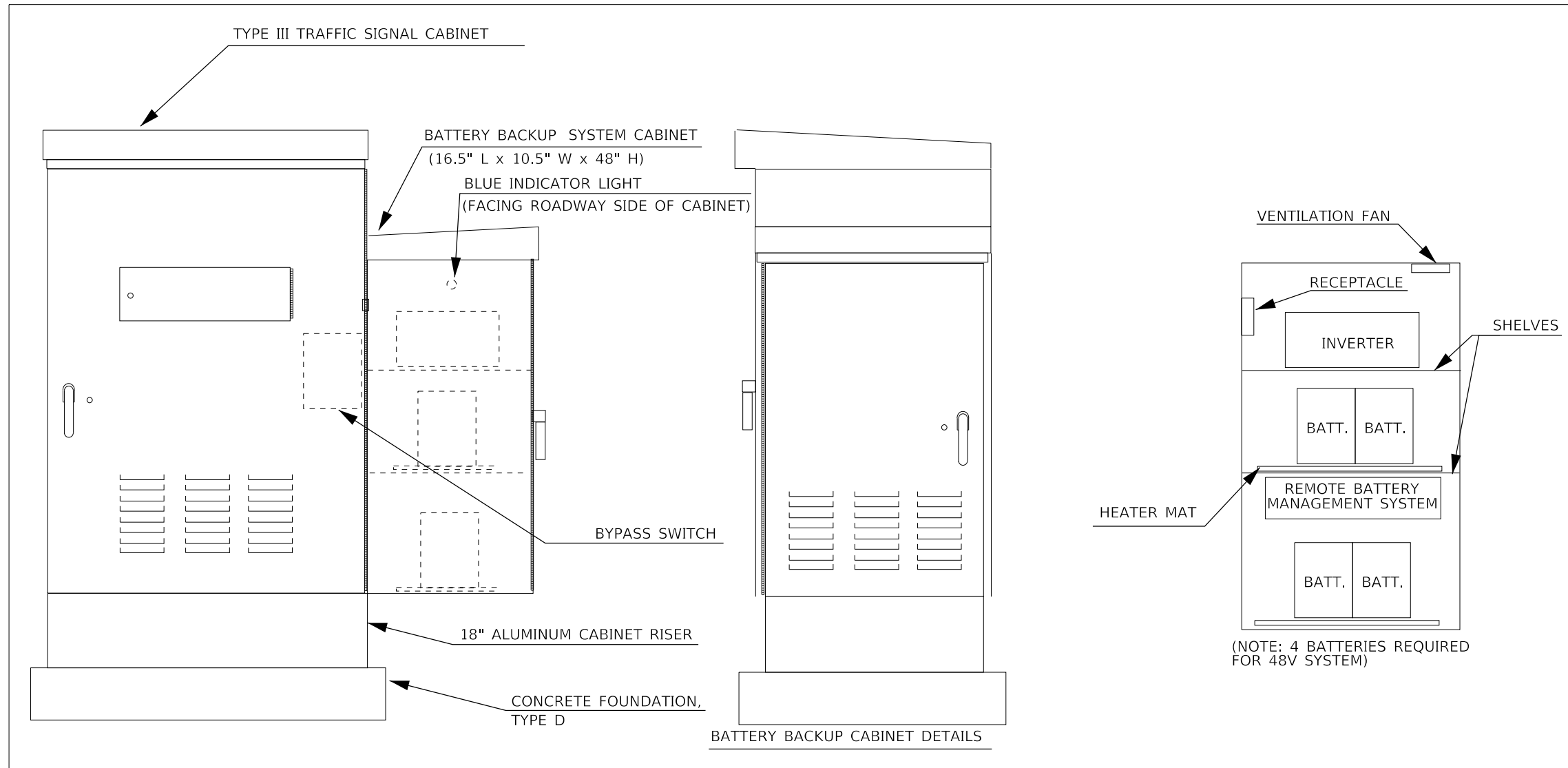
PHASE DESIGNATION DIAGRAM

NAME OF INTERSECTION: ILLINOIS ROUTE 29 AND ENGINE DR. / RENCH RD.
CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, TY IV CABINET
REFERRING TO STANDARD 857001, THE VEHICULAR PHASES USED ARE DESIGNATED BELOW:
TRAFFIC MOVEMENT
* NUMBER REFERS TO ASSOCIATED PHASE

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

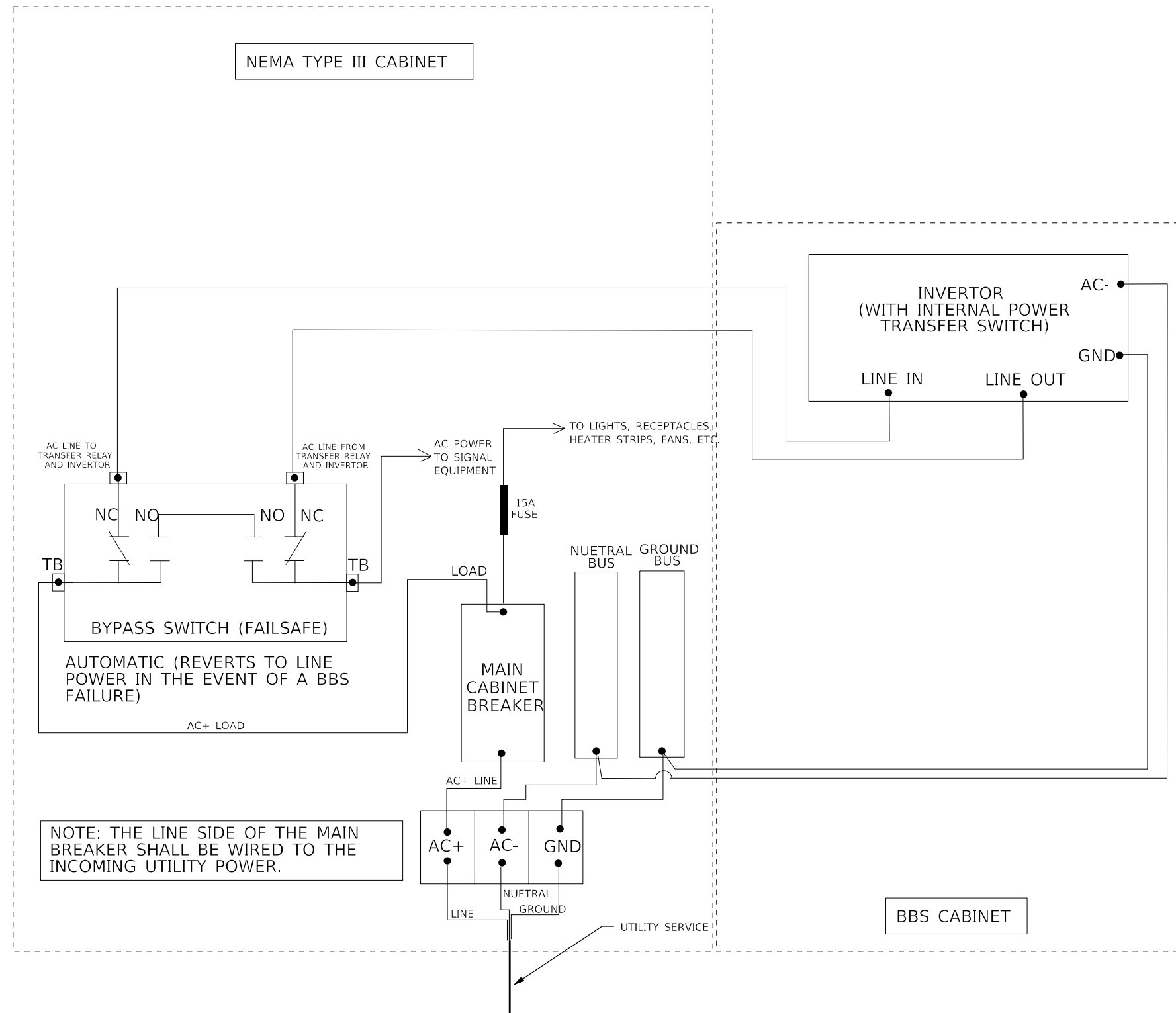
ST/AECOM	111 NE Jefferson Ave. Peoria, IL 61602 308.878.8484 www.aecom.com © 2004, by ST/A	INTERSECTION IMPROVEMENTS ILLINOIS ROUTE 29 AND ENGINE DRIVE / RENCH ROAD	TRAFFIC SIGNAL CABLE WIRING DETAILS	SURVEY DESIGN CSA DRAWN CSA	CHECKED APPROVED	ISSUE DATE 07/03/08 SHEET NO. 60 OF 13	F.A.P. RTE. 318	SECTION BRS-6;9RS-3;1ORS-7	COUNTY PEORIA	TOTAL SHEETS 53	SHEET NO. 42
SCALE:		STA. TO STA.		ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A81				



NOTES:

1. THE BATTERY BACKUP SYSTEM CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF (16.5" L x 10.5" W x 48" H). THE CABINET SHALL BE EQUIPPED WITH A THREE POINT LATCHING MECHANISM, TWO SHELVES, THERMOSTATICALLY CONTROLLED VENTILATION FAN, AND A POWER RECEPTACLE. THE CABINET SHALL BE MOUNTED TO THE SIDE OF THE PROPOSED TYPE IV CABINET WITH THE BOTTOM OF THE CABINET SUPPORTED BY THE CONCRETE FOUNDATION.
2. ALL CABINET LIGHTS, HEATER STRIPS, VENTILATION FANS, AND SERVICE RECEPTACLES SHALL BE BYPASSED WHEN THE BATTERY BACKUP UNIT IS OPERATING IN BATTERY MODE.
3. THE BATTERY BACKUP UNITS CONTACTS SHALL BE WIRED TO PROVIDE LOCAL CONTROLLER ALARMS (AS AVAILABLE IN THE PROPOSED CABINETS).
4. THE BYPASS SWITCH SHALL BE AUTOMATIC AND SHALL BE INSTALLED IN THE BBS CABINET.
5. THE BATTERY BACKUP SYSTEM SHALL INCLUDE A REMOTE BATTERY MANAGEMENT SYSTEM TO PROVIDE DETAILED REAL-TIME INFORMATION ON BATTERY STATUS AND HAVE THE ABILITY TO PERFORM INTELLIGENT BATTERY BALANCING TO EXTEND BATTERY LIFE.

FILE NAME =	USER NAME = hudsonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BATTERY BACKUP SYSTEM CABINET DETAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLotted DATE = 2/7/2020	DATE -	REVISED -	REVISED -			CONTRACT NO. 68A81			ILLINOIS FED. AID PROJECT	
						SCALE:	STA.	TO STA.		



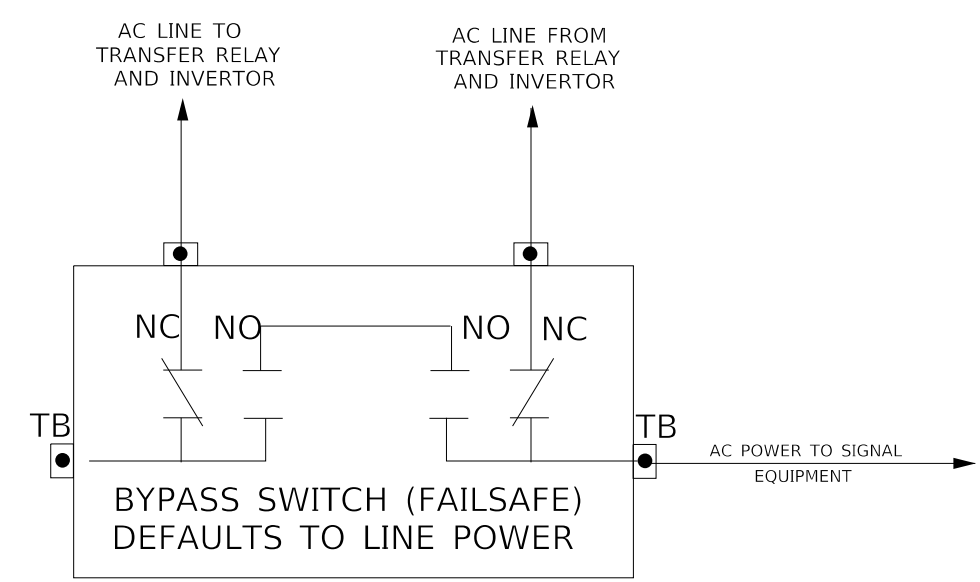
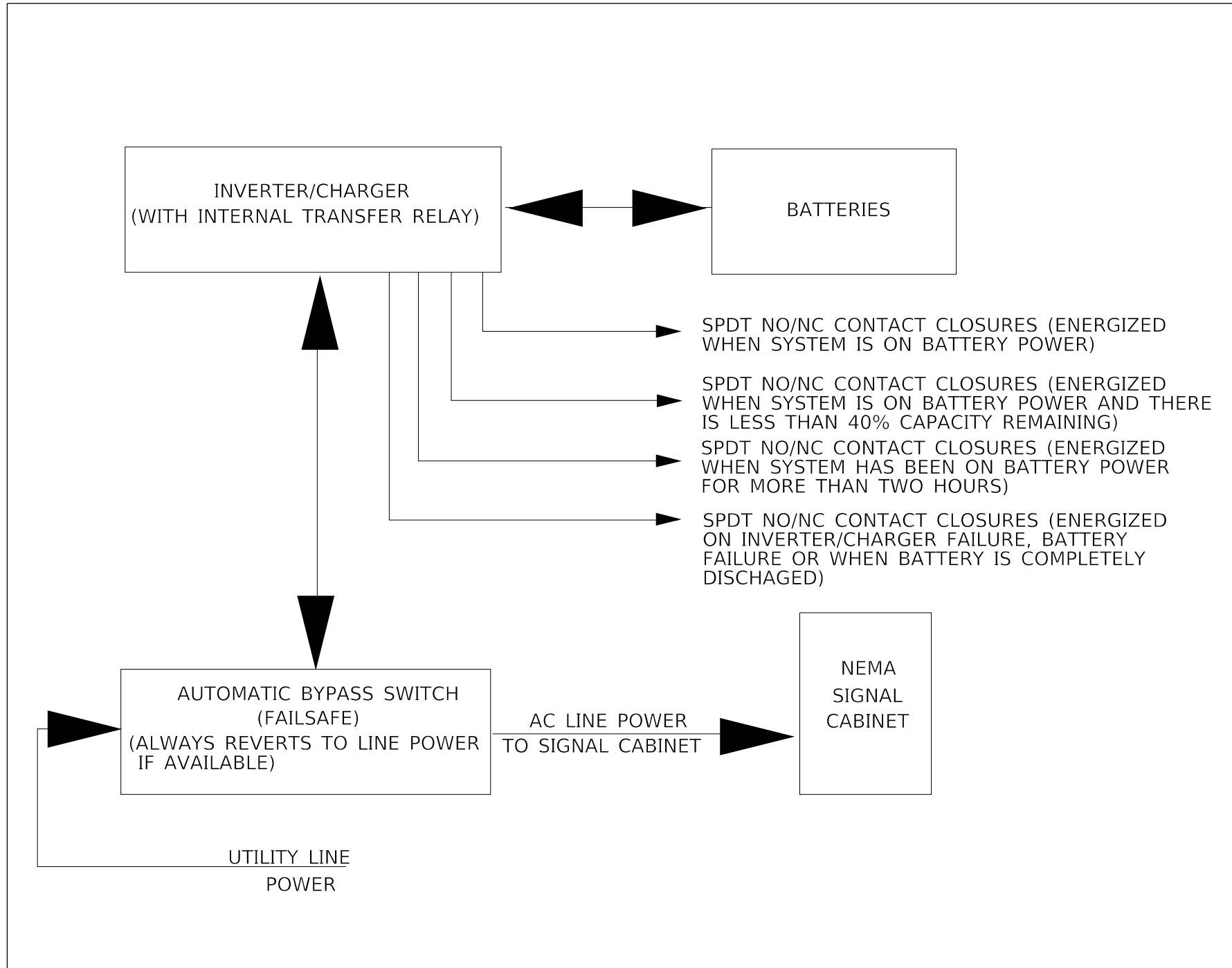
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/7/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BATTERY BACKUP SYSTEM CABINET WIRING DIAGRAM

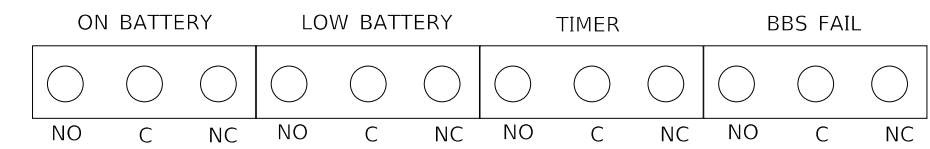
SCALE: _____ STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6;9RS-3;10RS-7	PEORIA	53	44
CONTRACT NO. 68A81				
ILLINOIS FED. AID PROJECT				

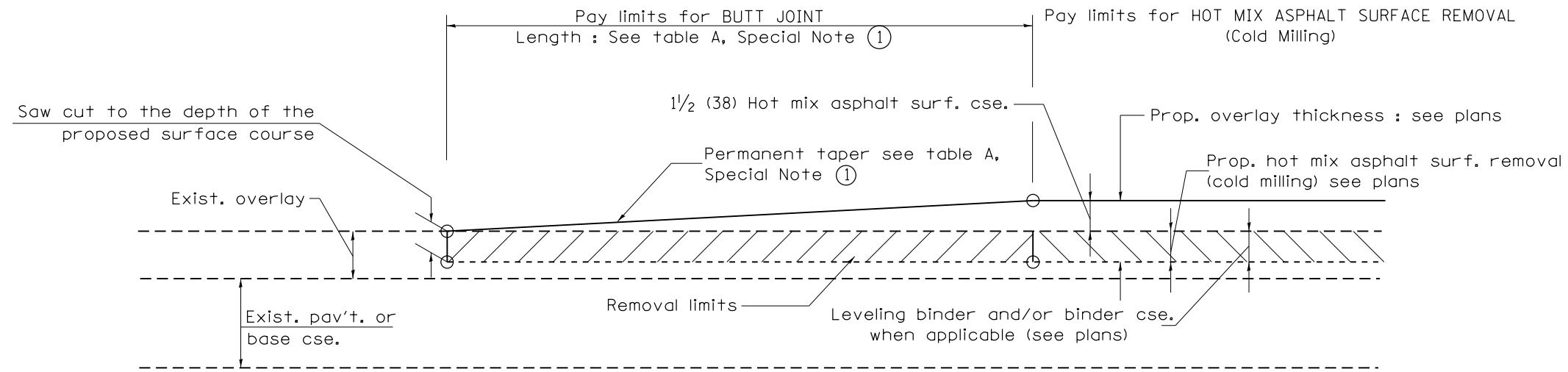


NOTES:

1. TB - #8 TERMINAL BLOCKS
2. NO - NORMALLY OPEN
3. NC - NORMALLY CLOSED
4. NO/NC CONTACTS SHALL ALL TOGGLE SIMULTANEOUSLY WITH A SINGLE MANUALLY OPERATED SWITCH.
5. THE MANUAL BYPASS SWITCH SHALL ONLY SWITCH LINE POWER. THE NEUTRAL AND EQUIPMENT GROUND SHALL NOT BE SWITCHED AND SHALL BE CONNECTED TO THE NEMA CABINET BUSSES.



NO/NC CONTACTS MAY SHARE OR USE SEPARATE COMMONS.



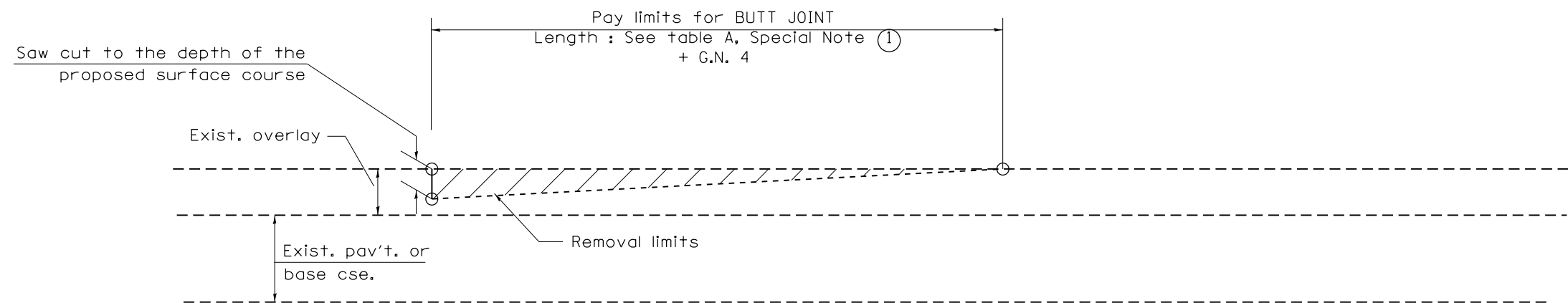
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**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

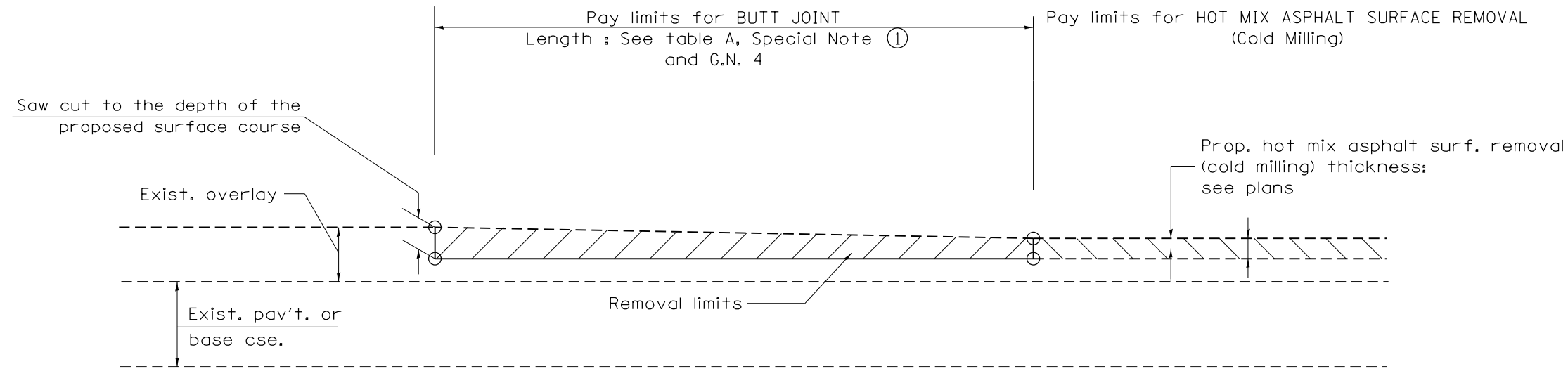
GENERAL NOTES

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.

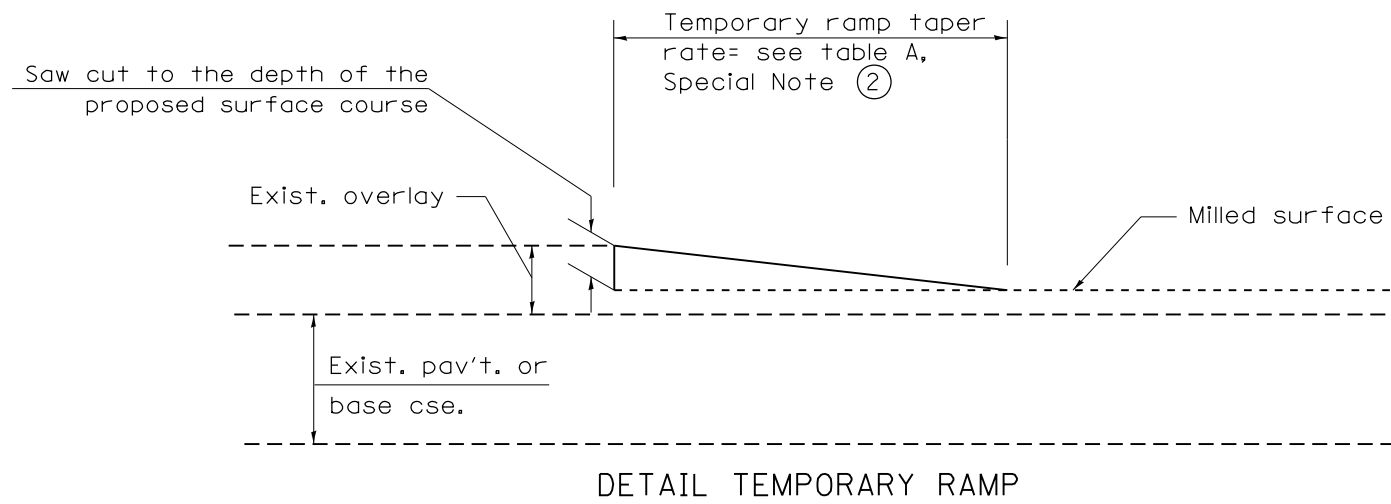


CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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



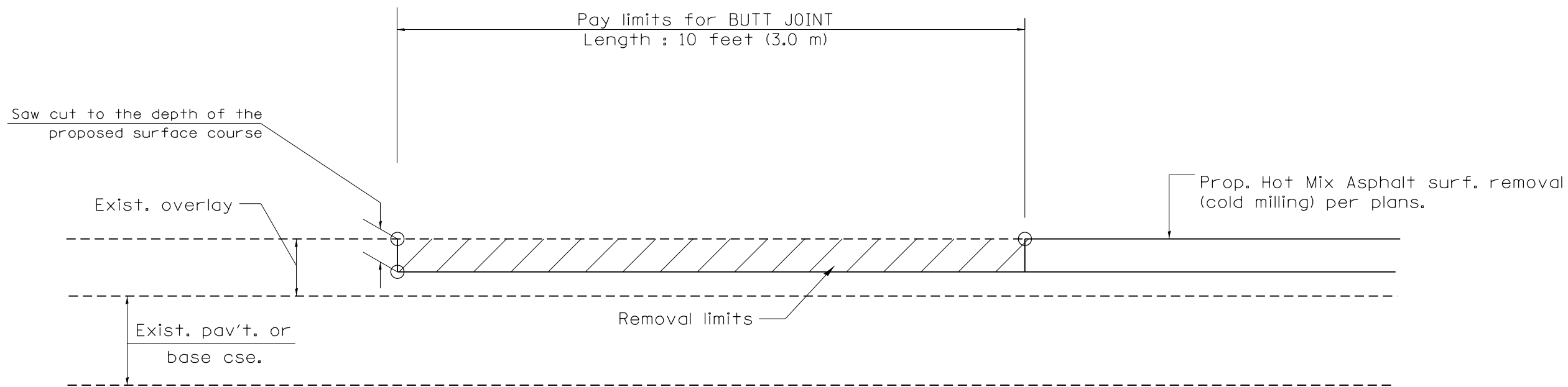
CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER



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	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	47					
				CONTRACT NO. 68A81					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT							

NOT TO SCALE



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.

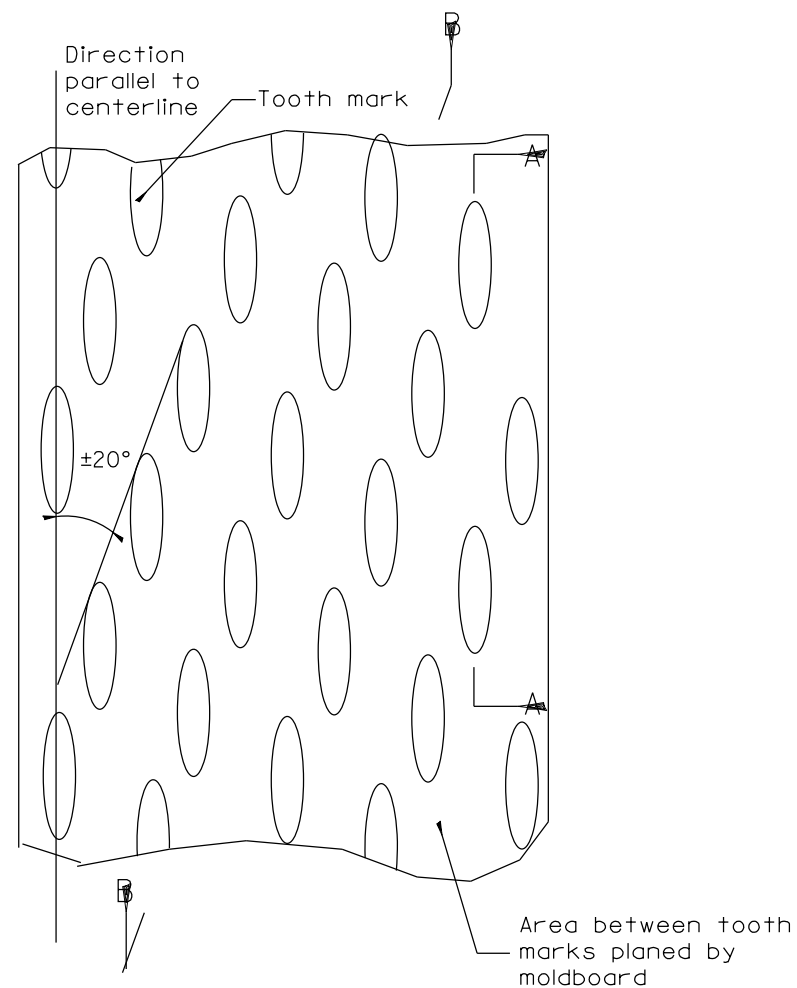
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINTS

NOT TO SCALE

SHT. 3 OF 3
CADD STD. 406101-D4

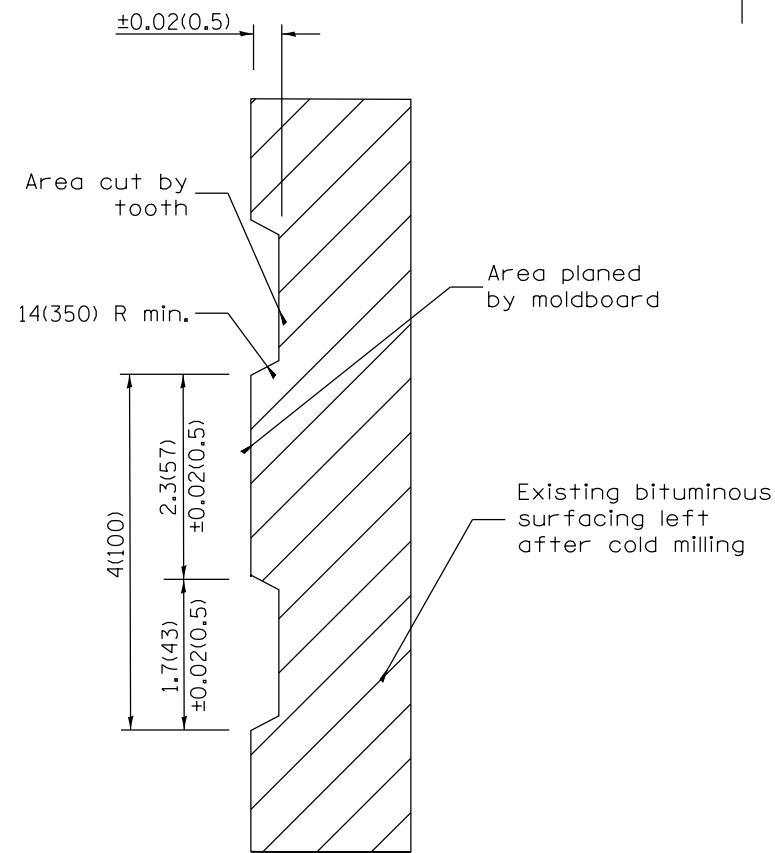
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	48
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 68A81	



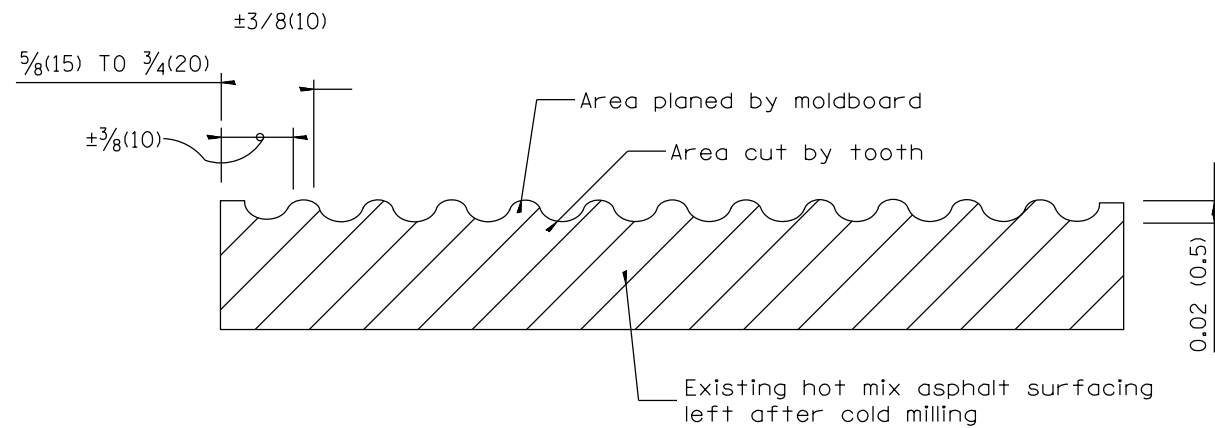
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

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

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

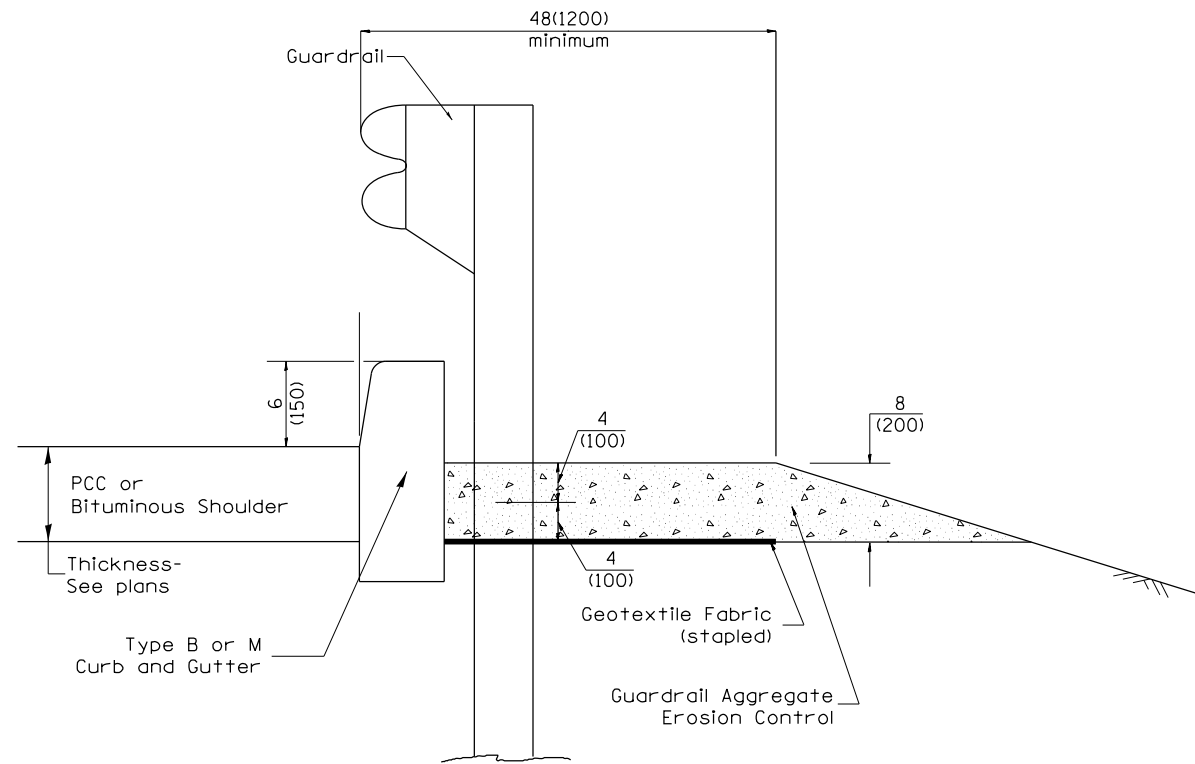
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

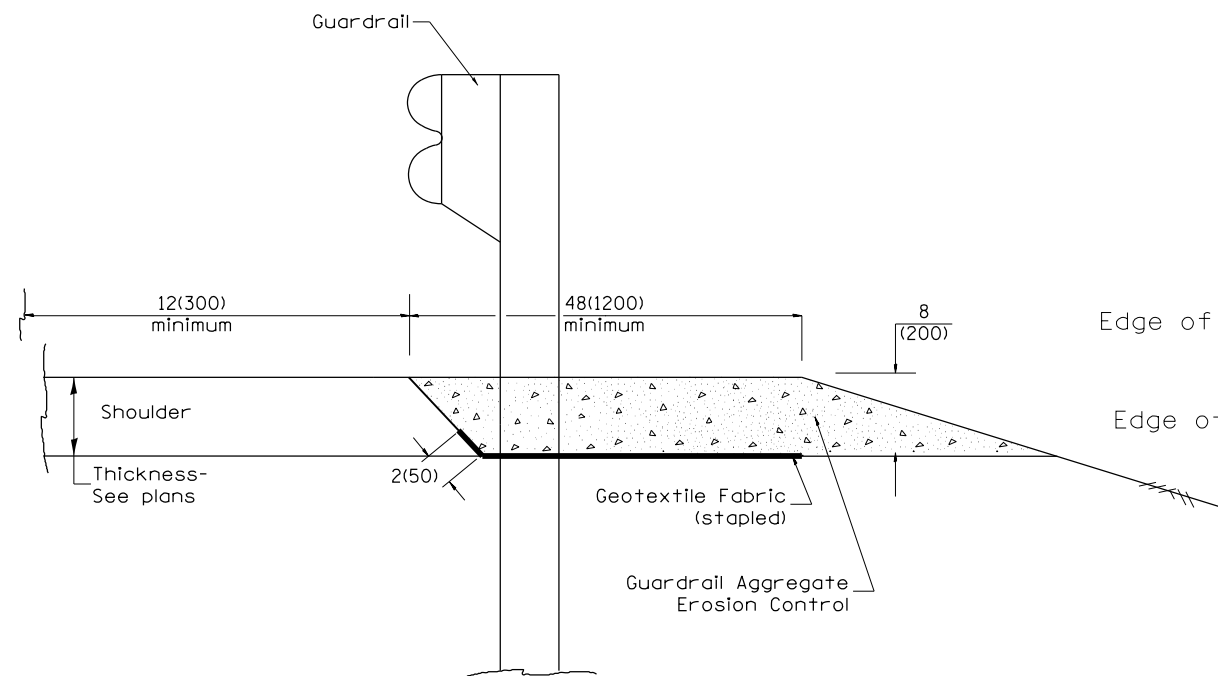
NOT TO SCALE

CADD STD. 440001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	49
CONTRACT NO. 68A81				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



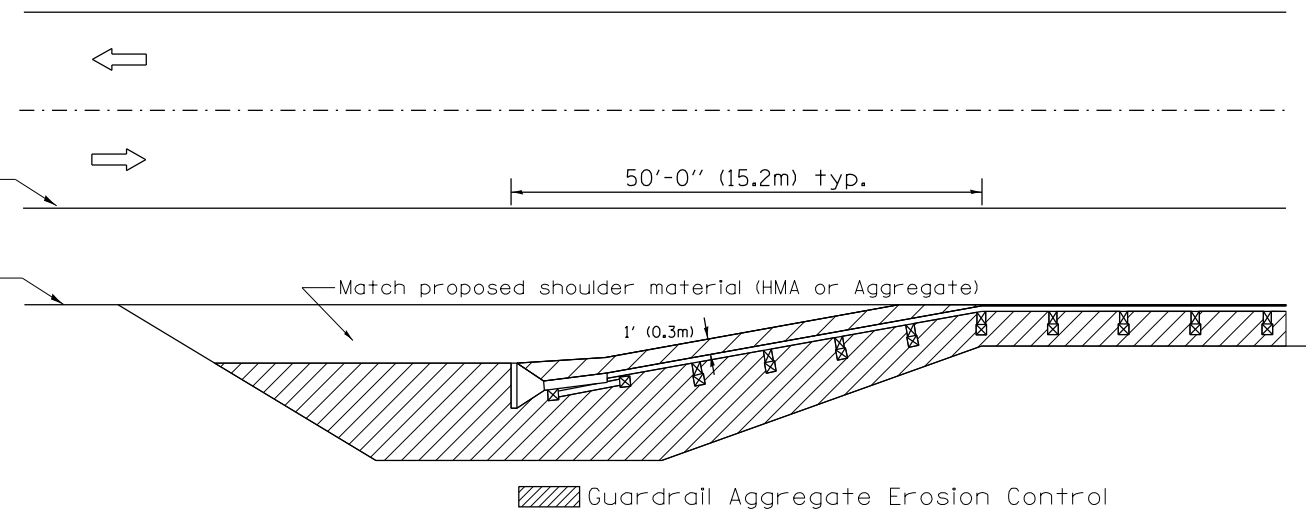
TYPICAL SECTION WITH EROSION CONTROL CURB



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.

01-01-97	RENUM. C-22.01, NEW REVISION BOX	T.P.	3-7-11	Added Detail showing plan view	R.D.
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.	8-10-12	Revised curb "B" and aggregate	R.D.
11-03-00	CORRECTION TO NOTES	M.A.	7-15-15	Addressed shoulder inlet curb	R.D.
10-16-06	REVISED TO 2007 SPEC.	M.A.			

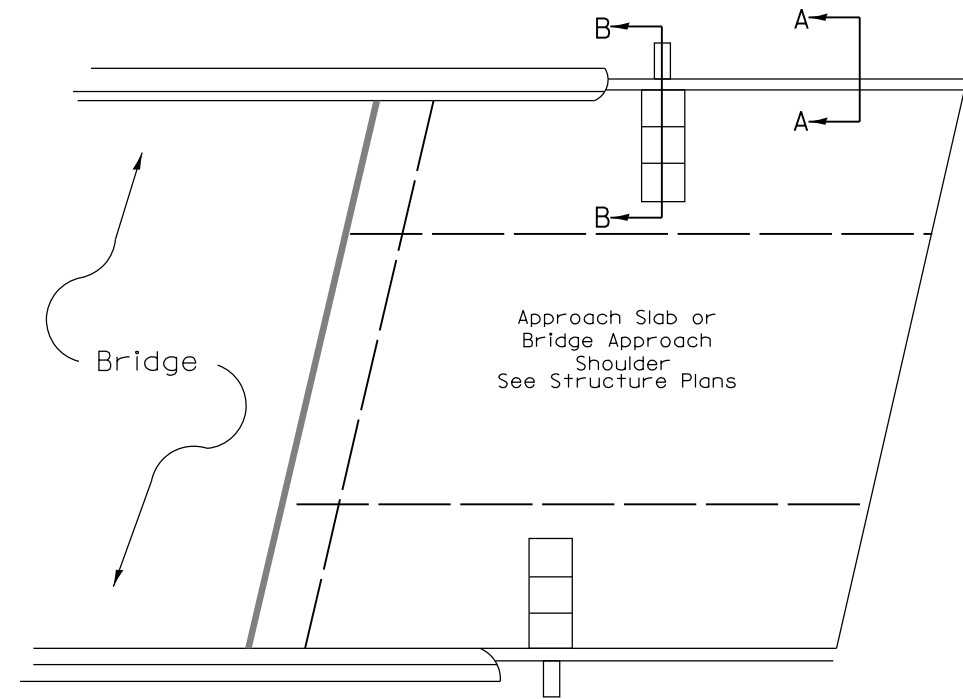
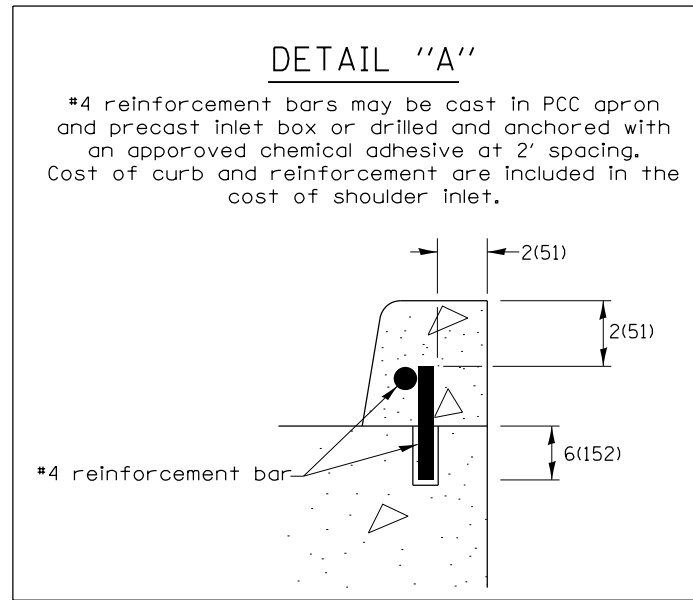
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

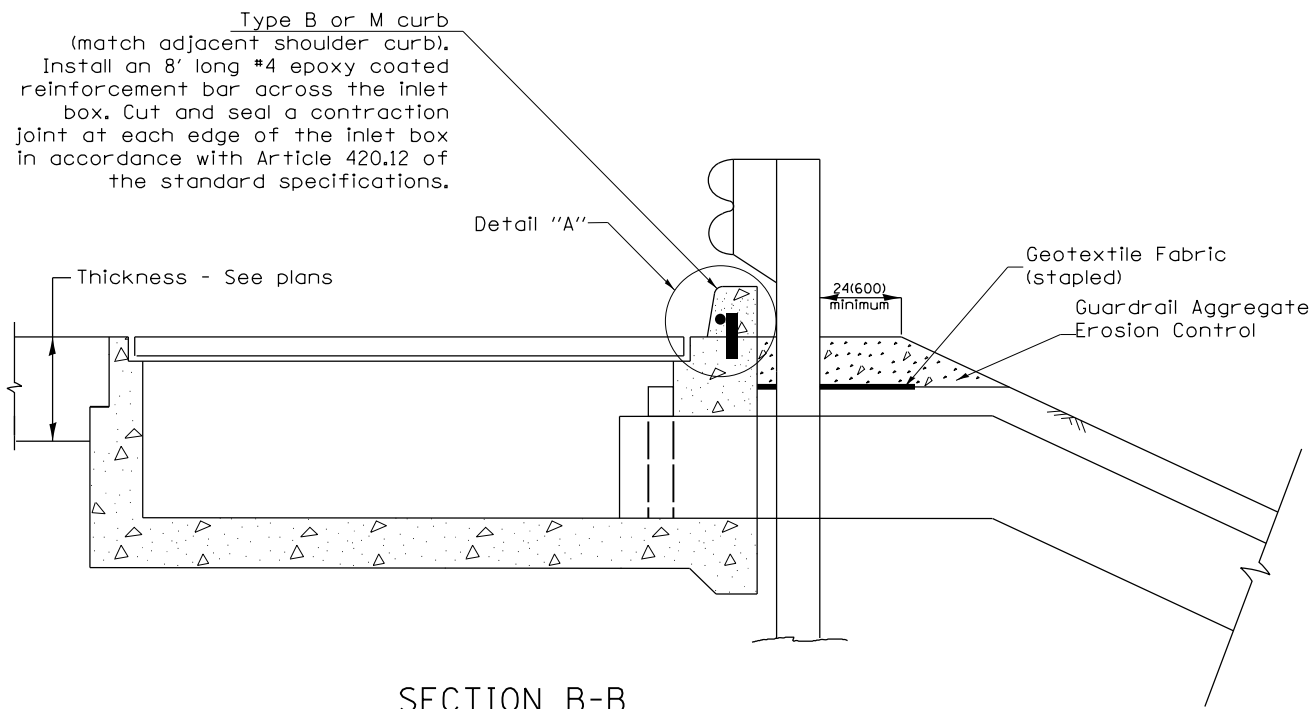
NOT TO SCALE

SHT. 1 OF 2
CADD STD. 630101-D4

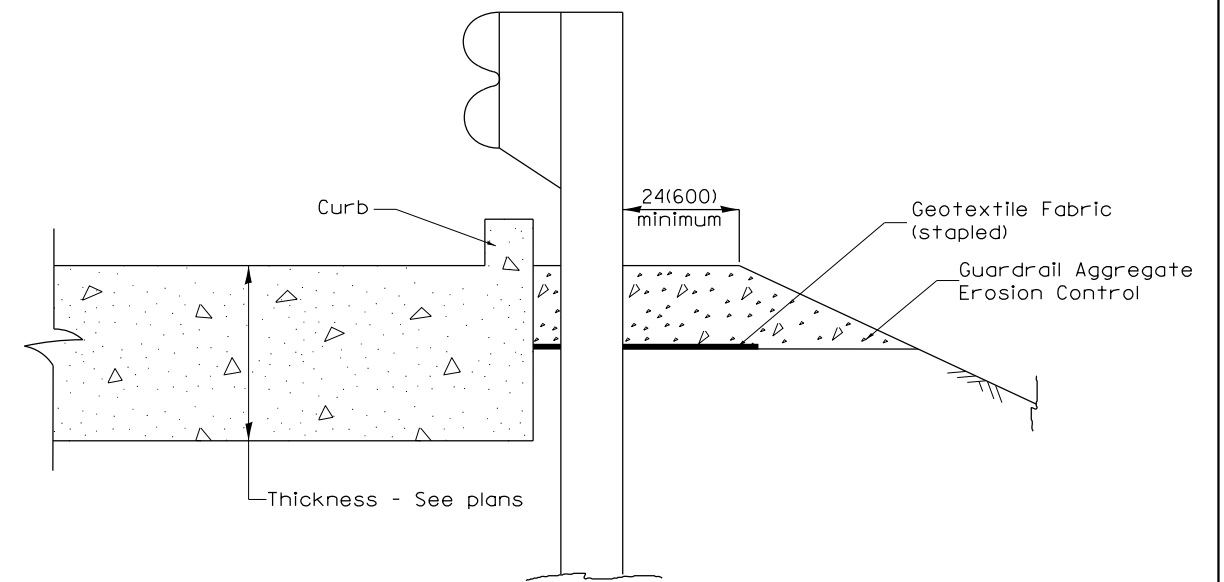
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	BRS-6, 9RS-3, 10RS-7	PEORIA	53	50
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A81	



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



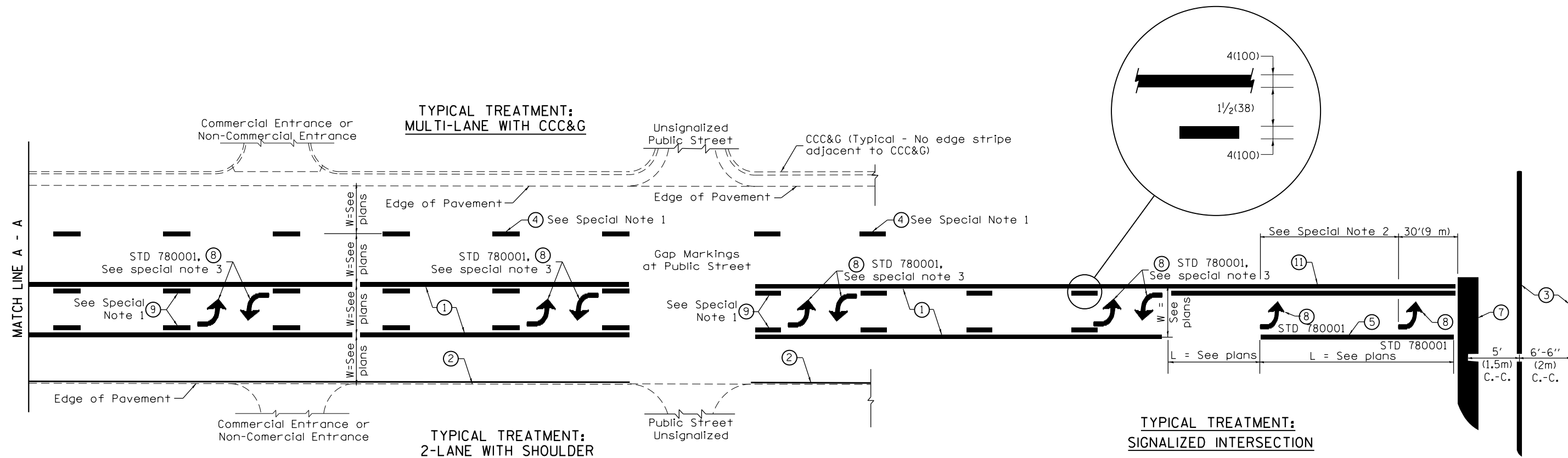
SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

FILE NAME =	USER NAME = hudelsonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL EROSION CONTROL TREATMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 4\Projects\D4_688\Drawings\CADsheets\D468A81-shr-plan.dgn		DRAWN -	REVISED -			318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	51	
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			SHT. 2 OF 2					
Default	PLOT DATE = 2/7/2020	DATE -	REVISED -			CONTRACT NO. 68A81					
						NOT TO SCALE SHEET OF SHEETS STA. CADD STD. 630101-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)
- 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.			
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

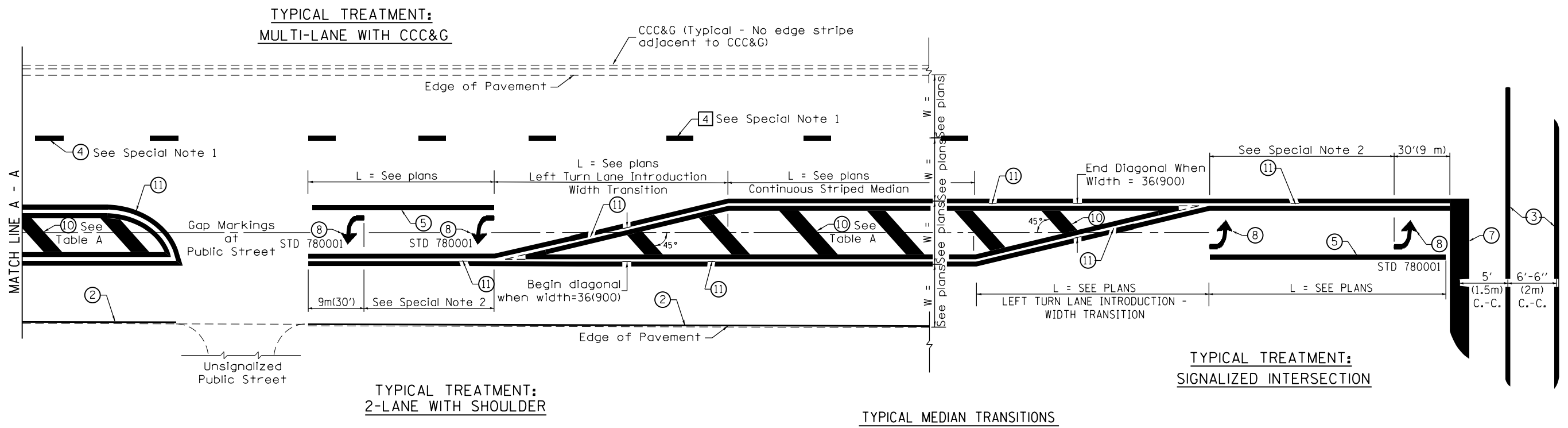
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

SHT. 1 OF 2
CADD STD. 780001-D4

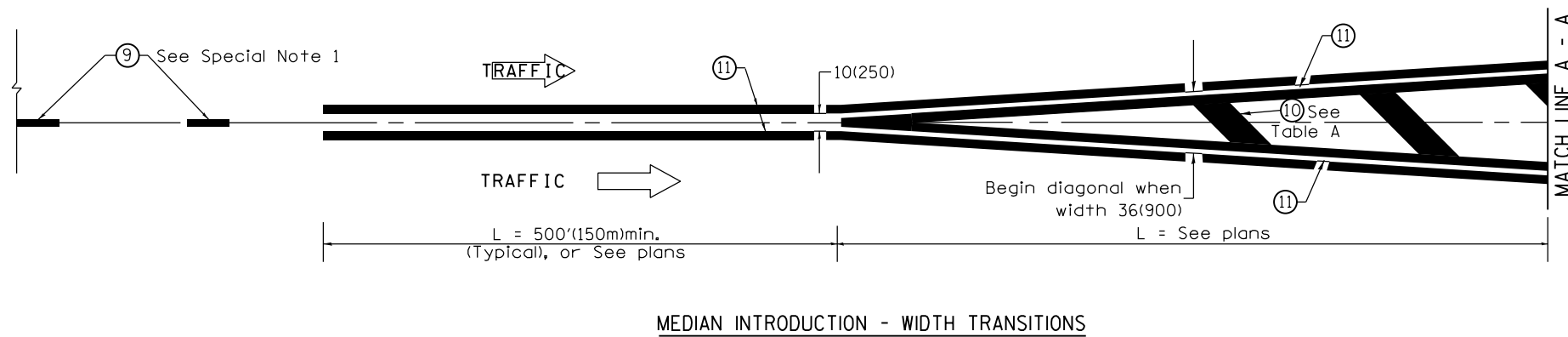
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	8RS-6, 9RS-3, 10RS-7	PEORIA	53	52
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A81	



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



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