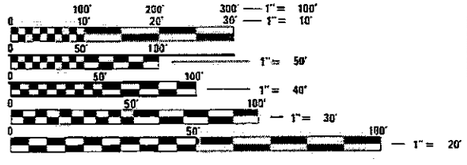
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	1
	ILLINOIS	CONTRACT NO. 68E03		

INDEX OF SHEETS

HIGHWAY STANDARDS

000001–06			873001–02
001006	701401–11	805001–01	877001–07
420001–09	701406–11	814001–03	877012–06
606301–04	701426–09	814006–02	878001–10
701101–05	701901–07	821101–02	880006–01
701106–02	720016–04	857001–01	886001–01
701400–09	780001–05	862001–01	886006–01

ADT = 16500 (2017)
%SU = 2.27%
%MU = 3.79%



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: LEONEL CRESPO (309–671–3457)
DESIGNER: NEIL SLOWINSKI (309–671–3456)

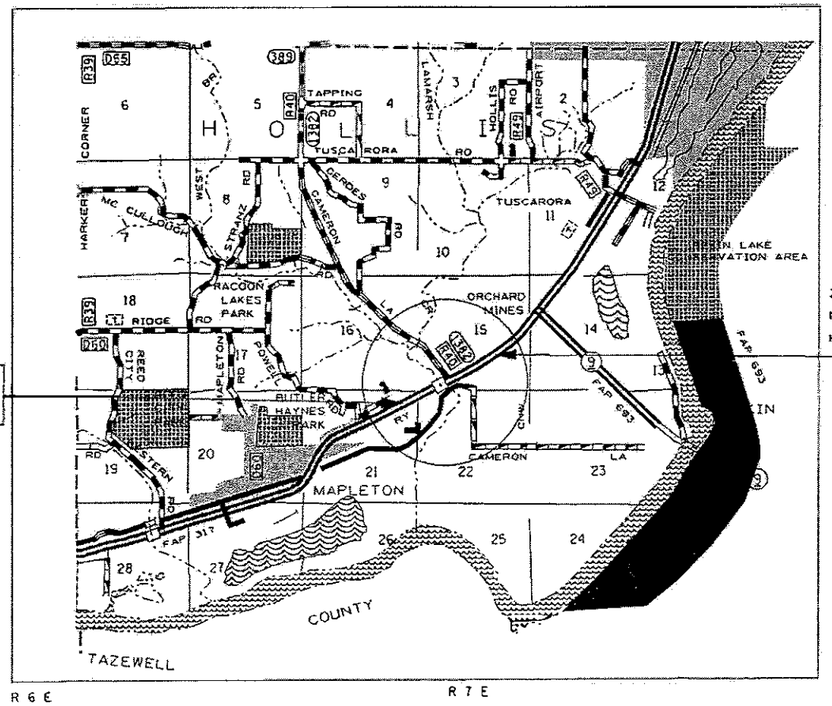
CONTRACT NO. 68E03

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

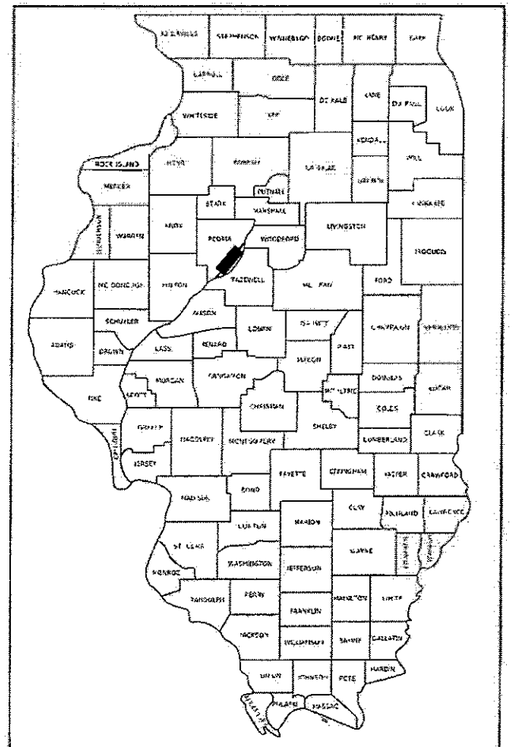
FAP ROUTE 317 (US 24 /IL 9)
SECTION 45TS–1
PROJECT HSIP–DI5X(017)
INSTALLATION OF TRAFFIC SIGNALS
PEORIA COUNTY

C–94–020–18



GROSS LENGTH = 1907 FT. = 0.361 MILE
NET LENGTH = 1907 FT. = 0.361 MILE

D-94-016-18



LOCATION OF SECTION INDICATED THUS: –

PROJECT DESCRIPTION
INSTALLATION OF TRAFFIC SIGNALS AND AN EASTBOUND LEFT TURN LANE AT INTERSECTION OF US 24 / SOUTH CAMERON LANE AND ALL COLLATORAL WORK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Mar 28 2018
Kenneth A Barnett (KSD)
REGION THREE ENGINEER
May 11 2018
ENGINEER OF DESIGN AND ENVIRONMENT
May 11 2018
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PLAN DRAWINGS

Existing condition based on old plans and aerial photographs.

PLAN ELEVATIONS - U. S. G. S. MEAN SEA LEVEL DATUM

All elevations shown on the plans are established from U. S. G. S. mean sea level datum.

COMMITMENTS: 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.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

Surface Type	Residual Rate
Milled (HMA or PCC)	0.08 lb / sq ft
Existing Pavement	0.04 lb / sq ft
Fog Coat (between lifts)	0.04 lb / sq ft

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Full-Depth HMA Polymer Surface 2"	Full-Depth HMA Top Lift 2 1/4" Polymer Binder Course	Full-Depth HMA Lower Lift Polymer Binder Course
AC/PC:	SBS OR SBR 76-28	SBS OR SBR 76-28	PG 64-22
Design Air Voids:	4.0% @ N = 70	4.0% @ N = 70	4.0% @ N = 70
Mixture Composition: (Gradation Mixture):	IL 9.5	IL 19.0	IL 19.0
Friction Aggregate:	MIX E	N.A.	N.A.
Quality Management:	QC QA	QC QA	QC QA

Notes: 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 aggregate size.

UTILITY CONFLICTS

There are no utility conflicts at this time

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.

MEDIAN AND ISLAND NOSES

When constructing median and island noses the following criteria should be used:

* *Barrier curb shall be used to construct noses when the median or island surrounds a mast arm or other non-breakaway foundation.*

* *Ramped noses shall be used on medians or islands with breakaway posts.*

SIGN POST HOLES

Vertical holes shall be constructed in the island pavement and/or concrete median of the type specified or concrete median surface 4 inches (100mm). The holes shall by 24 inches (600mm) in diameter or 24 inches (600mm) square and they shall be free of any obstruction, except earth, for a depth of 5 feet (1.5m) at the locations shown on the plans or as directed by the Engineer. Any holes not used for the placement of signs shall be filled and compacted flush with the top of the island pavement, concrete median of the types specified, or concrete median surface 4 inches (100 mm). The top 3 inches (75 mm) of said compacted fill shall consist of a hot-mix asphalt mixture. All holes in which the sign posts are installed at the time of this contract shall be similarly filled.

This work, including any required pavement removal necessary to construct the sign post holes, will not be paid for separately but shall be included in the contract unit price per square foot (square meter) for ISLAND PAVEMENT and/or CONCRETE MEDIAN of the type specified, or CONCRETE MEDIAN SURFACE, 4 inches (100 mm).

ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):
All of the telephone lines provided shall have unpublished numbers.

SIGNING

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid any found utilities.

All wood post locations shall be verified with the Bureau of Operations, Traffic Section, before installation.

TRAFFIC COUNTER LOOP DETECTOR INSTALLATION

The Resident Engineer and/or Contractor shall notify the Traffic Studies Technician in Program Development at least one week prior to the installation to determine exact location.

JOB SPECIFIC NOTE

All disturbed areas shall be leveled and seeded.
The contractor shall be responsible for any damage done to the existing roadway and/or shoulder.

This work will be included in the cost of the traffic signal items

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	DRAWN -	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2018	DATE -	REVISED -	

US 24 AND CAMERON LANE
INDEX & GENERAL NOTES

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	2
		CONTRACT NO. 68E03		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FEDERAL FUNDS 0004 ROADWAY SAFETY FUNDS 90% FEDERAL 10% STATE	FEDERAL FUNDS 0021 TRAFFIC SIGNALS 90% FEDERAL 7.5% STATE 2.5% PEORIA CO
	31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	479	479	
	40701951	HOT - MIX ASPHALT PAVEMENT (FULL DEPTH), 13.5"	SQ YD	437	437	
	44004250	PAVED SHOULDER REMOVAL	SQ YD	459	459	
	44213200	SAW CUTS	FOOT	555	555	
	60260100	INLETS TO BE ADJUSTED	EACH	1	1	
	60618750	CONCRETE MEDIAN, TYPE M-4.06	SQ FT	2182	2182	
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3	3	
	67100100	MOBILIZATION	L SUM	1	1	
	70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	1	1	
	70100350	TRAFFIC CONTROL AND PROTECTION, STANDARD 701101	EACH	1	1	
	70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	36		36
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	18	18	
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	216	216	
*	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	178	178	
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	91	91	
	80500200	SERVICE INSTALLATION, TYPE B	EACH	1		1
	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2134		2134
	81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	462		462
	81300835	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 10"	EACH	2		2
	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8		8
	81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1		1
	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1165.5		1165.5
	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1537.5		1537.5
	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1444		1444
	87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	659		659
	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	653		653

* SPECIALTY ITEM

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PLOT DATE = 3/29/2018	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	4STS-1	PEORIA	37	3
		CONTRACT NO. 68E03		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FEDERAL FUNDS 0021 ROADWAY SAFETY FUNDS 90% FEDERAL 10% STATE	FEDERAL FUNDS 0021 TRAFFIC SIGNALS 90% FEDERAL 7.5% STATE 2.5% PEORIA CO
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1		1
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1		1
87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1		1
87703060	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 65 FT.	EACH	1		1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3		3
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5		3.5
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10		10
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	51		51
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	7		7
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	3		3
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	14		14
88500100	INDUCTIVE LOOP DETECTOR	EACH	17		17
88600100	DETECTOR LOOP, TYPE I	FOOT	1237.5		1237.5
X0323071	SPARE FULL ACTUATED CONTROLLER, SPECIAL	EACH	1		1
X0323898	CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	1		1
X0325922	CELLULAR MODEM	EACH	1		1
X0326812	CAT 5 ETHERNET CABLE	FOOT	248.5		248.5
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	64	64	
X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	4		4
X6010005	SHOULDER REMOVAL AND REPLACEMENT FOR ELECTRICAL WORK	FOOT	40		40
X6320100	GUARDRAIL REMOVAL SPECIAL	FOOT	493	493	
X8110458	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	238		238
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1
X8730306	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 12, 1 PAIR	FOOT	9606		9606
X8860400	DETECTOR LOOP, SPECIAL	FOOT	292		292
Z0033068	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1		1

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PLOT DATE = 3/29/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	4
		CONTRACT NO. 68E03		
	ILLINOIS FED. AID PROJECT			

SUB-BASE GRANULAR MATERIAL, TYPE A 12"

LOCATION			Foot	Width	SQ FT	31100910 SQ YD
US 24 (Main-line)						
332+38.93	TO	335+39.92	300.99	12.5'-14.5'	4063.4	451.5
330+16.81	TO	332+38.93	222.12	1'	222.1	24.7
335+05.36	TO	335+15.59	10.23	2.5'	25.6	2.8
TOTAL						**479**

HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 13 1/2"

LOCATION			Foot	Width	SQ FT	40701951 SQ YD
US 24 (Main-line)						
332+38.93	TO	335+39.92	300.99	12'-14'	3912.9	434.8
335+05.36	TO	335+15.59	10.23	2'	20.5	2.3
TOTAL						**437**

PAVED SHOULDER REMOVAL

LOCATION STATION TO STATION			Width	AREA SQFT	44004250 SQYD
US 24 (Main-line)					
332+38.93	TO	335+39.92	12'-14'	3912.9	434.8
330+16.81	TO	332+38.93	1'	222.1	24.7
TOTAL					**459**

SAW CUTS

LOCATION STATION TO STATION				44213200 FOOT
US 24 (Main-line)				
330+16.81	TO	332+38.93		228.12
332+38.93	TO	335+39.92		326.99
TOTAL				**555**

INLETS TO BE ADJUSTED

LOCATION		LT/RT	OFFSET FOOT	60260100 EACH
US 24 (Main-line)				
STA	333+08	CL	0.00	1
TOTAL				**1**

CONCRETE MEDIAN, TYPE M-4.06

LOCATION STATION TO STATION			Width (Ft)	60618750 SQ FT
US 24 (Main-line)				
330+16.81	TO	332+38.93	5	1110.6
332+38.93	TO	335+06.77	4	1071.4
TOTAL				**2182**

*FROM STA. 330+16.81 - 332+38.93 1 FT. WIDE PAVEMENT
INCLUDED IN THE PAY ITEM CONCRETE MEDIAN TYPE M-4.06

ENGINEER'S FIELD OFFICE, TYPE B

LOCATION	67000500 CAL MO
ENTIRE PROJECT	3.0
TOTAL	**3.0**

MOBILIZATION

LOCATION	67100100 L SUM
ENTIRE PROJECT	1
TOTAL	**1**

TRAFFIC CONTROL SCHEDULE

LOCATION	70100205 TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 EACH	70100350 TRAFFIC CONTROL AND PROTECTION, STANDARD 701101 EACH	70100700 TRAFFIC CONTROL AND PROTECTION, STANDARD 701406 L SUM
ENTIRE PROJECT	1	1	1
TOTALS	**1**	**1**	**1**

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PLOT SCALE = 100.000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

SCHEDULE OF QUANTITIES
US 24 AND CAMERON LANE

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. _____ | TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	5
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

MODIFIED URETHANE PAVEMENT MARKING - LINE 4"

LOCATION STATION TO STATION			LENGTH (FOOT)	WHITE SOLID LINE (FOOT)
US 24 (Main-line)				
332+38.93	TO	333+71.12	132.7	133.0
332+38.93	TO	333+71.12	132.7	
334+87.44	TO	335+40.07	83.1	83.1
SUB - TOTAL				216.1
TOTAL				**216**

MODIFIED URETHANE PAVEMENT MARKING - LINE 8"

LOCATION STATION TO STATION			LENGTH (FOOT)	WHITE SOLID LINE (FOOT)	WHITE MINI-SKIP DASH (FOOT)
US 24 (Main-line)					
332+38.93	TO	333+71.12	132.2		33.0
333+71.12	TO	335+15.64	144.5	145.0	
SUB - TOTAL				145.0	33.0
TOTAL				**178**	

MODIFIED URETHANE PAVEMENT MARKING - LINE 12"

LOCATION STATION TO STATION			STOP BAR (FOOT)
US 24 (Main-line)			
334+97.60	TO	334+97.60	16.0
335+2.19	TO	335+2.19	37.0
336+15.28	TO	336+15.28	38.0
TOTAL			**91**

MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS

LOCATION STATION TO STATION			LEFT TURN ARROW (SQFT)	QUANTITY	TOTAL SQ FT
US 24 (Main-line)					
333+80.89	TO	334+92.44	8.8	2	17.6
TOTAL			**18**		

PAVEMENT MARKING REM - WATER BLASTING

LOCATION STATION TO STATION			LF	WIDTH	X0327980 SQ FT
US 24 (Main-line)					
334+87.44	TO	335+40.07	56	4"	18.7
335+03.91	TO	335+99.79	60	4"	20.0
LETTERS			SF	QUANTITY	TOTAL SF
Y			2.2	2	4.40
I			1.5	2	3.00
E			3.3	2	6.60
L			2.2	2	4.40
D			3.4	2	6.80
TOTAL					**64**

GUARDRAIL REMOVAL SPECIAL

LOCATION STATION TO STATION			X6320100 FOOT
US 24 (Main-line)			
330+20.33	TO	335+12.88	492.6
TOTAL			**493.00**

NOTE:
TRAFFIC SIGNAL SCHEDULE OF QUANTITIES IN SHEET 26

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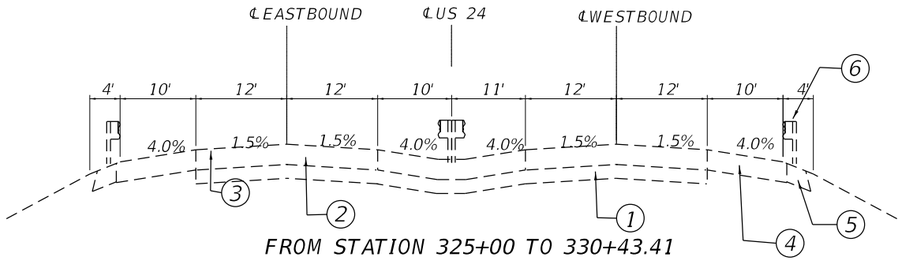
	DRAWN - _____	REVISED - _____	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 100.000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

SCHEDULE OF QUANTITIES
US 24 AND CAMERON LANE

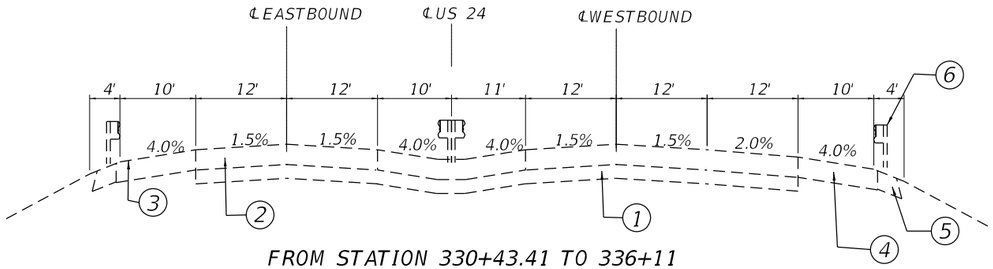
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. _____ | TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	6
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

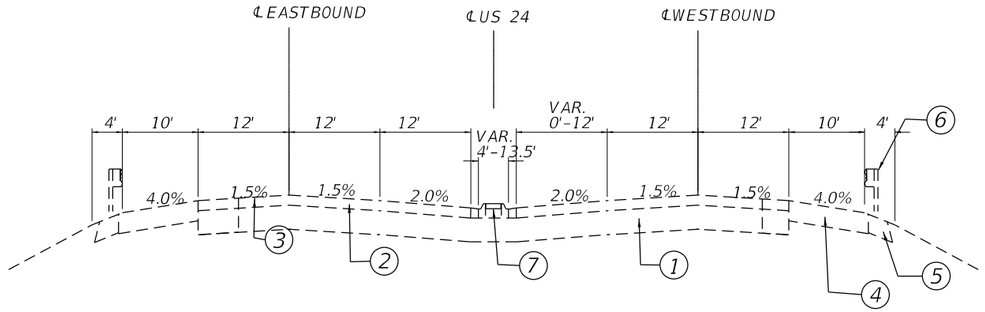
EXISTING US 24 TYPICAL SECTIONS



FROM STATION 325+00 TO 330+43.41



FROM STATION 330+43.41 TO 336+11

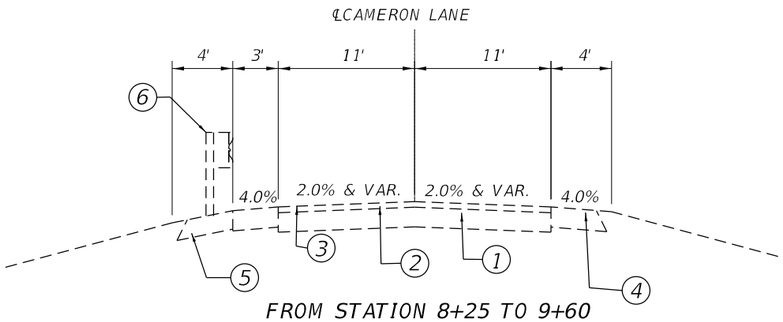


FROM STATION 336+11 TO 340+00

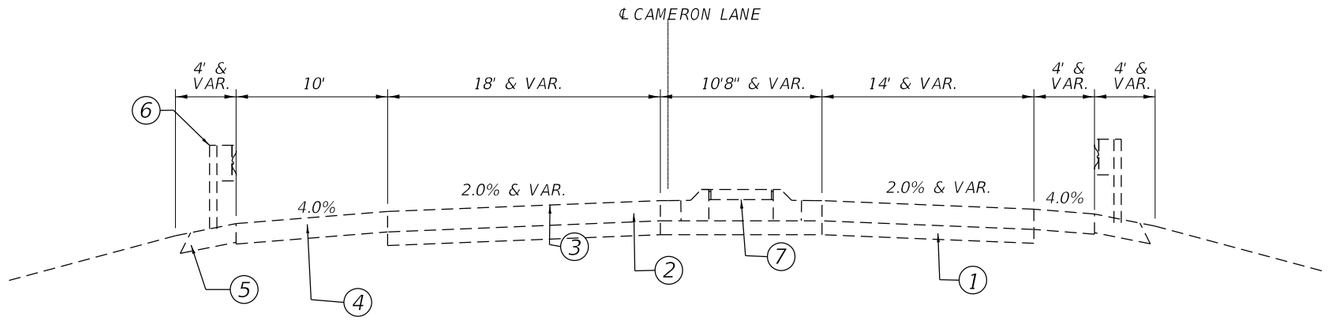
LEGEND

1. EXISTING SUB-GRADE
2. EXISTING HMA SUB-BASE
3. EXISTING HMA SURFACE
4. EXISTING HMA SHOULDERS
5. EXISTING AGGREGATE SHOULDER
6. EXISTING GUARDRAIL
7. EXISTING MEDIAN

EXISTING CAMERON LANE TYPICAL SECTIONS



FROM STATION 8+25 TO 9+60



FROM STATION 10+45 TO 11+99

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	DRAWN - _____	REVISED - _____	
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PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

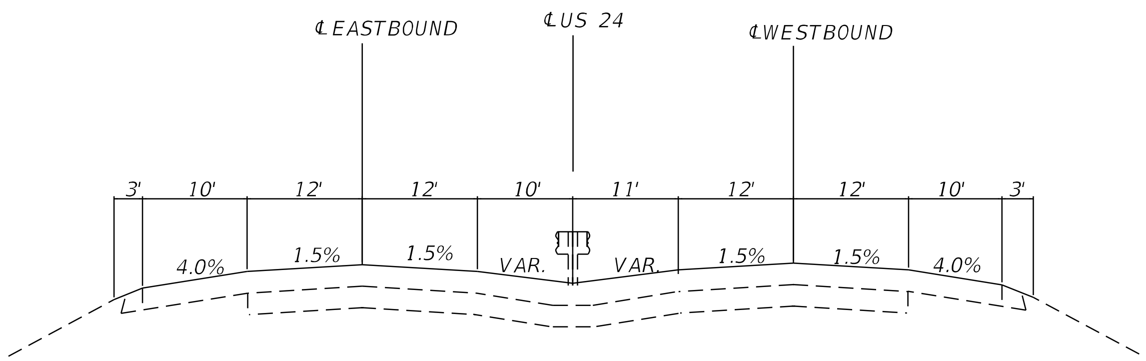
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS US ROUTE 24 AND CAMERON LANE

SCALE: 20 | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	7
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

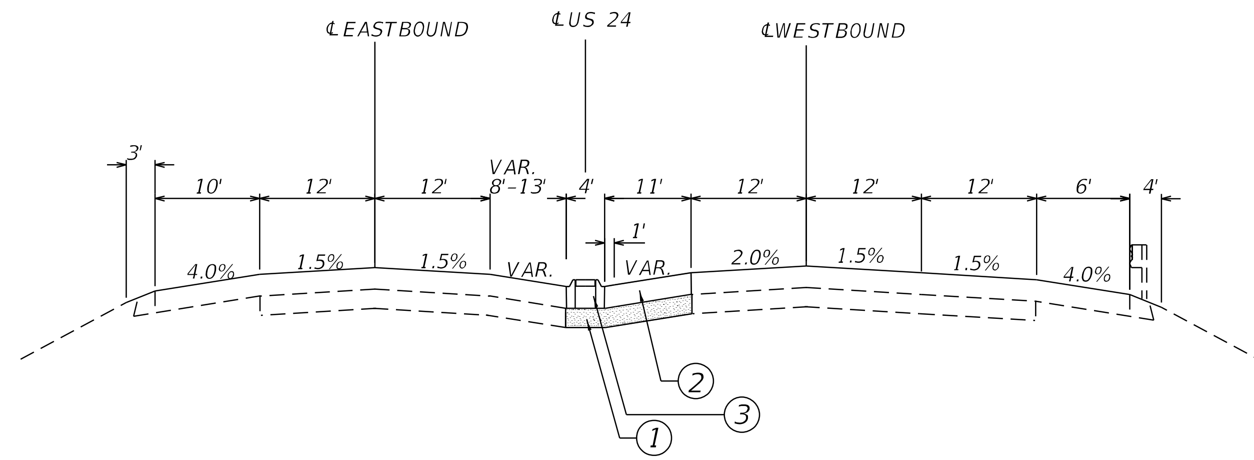
PROPOSED US 24 TYPICAL SECTIONS



FROM STATION 325+00 TO 330+43.41

*RT. TURN TAPER STA. 330+43.41 TO 332+70.83

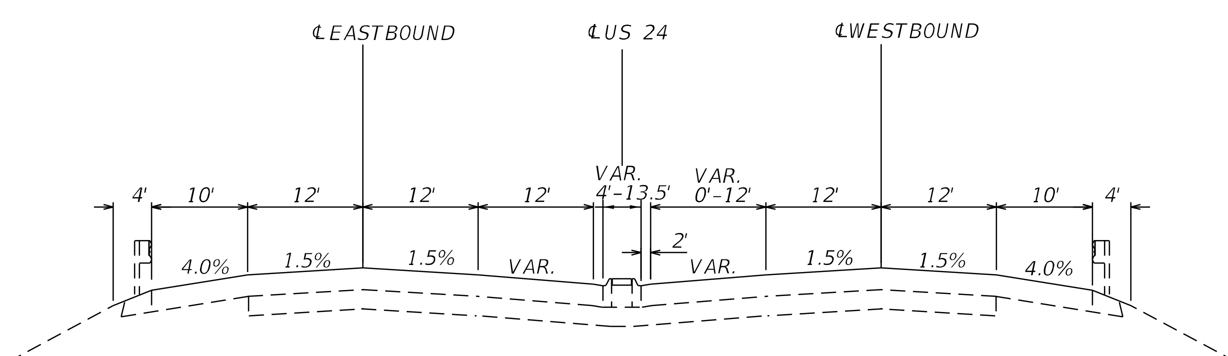
*LT. TURN TAPER STA. 332+38.95 TO 333+71.15



FROM STATION 330+43.41 TO 336+11

*RT. TURN TAPER STA. 330+43.41 TO 332+70.83

*LT. TURN TAPER STA. 332+38.95 TO 333+71.15



FROM STATION 336+11 TO 340+00

BRIDGE STRUCTURE FROM STA. 336+78.70 TO STA. 339+52.14

LEGEND

1. PROPOSED SUB-BASE GRANULAR MATERIAL (13.5")
2. PROPOSED HMA PAVEMENT (FULL DEPTH) 12"
3. PROPOSED CONCRETE MEDIAN TYPE M-4.06

MODEL: Default
FILE NAME: S:\GEN\DRAFT\STD&PLNS\SQUAD13\Leo Projects\US 24 & Cameron Ln\typicalsection.dgn

USER NAME = slowinskinm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2018	DATE -	REVISED -	

PROPOSED TYPICAL SECTIONS US ROUTE 24

SCALE: 20 | SHEET __ OF __ SHEETS | STA. ______ TO STA. ______

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	8
		68E03		
		ILLINOIS FED. AID PROJECT		

REMOVAL LEGEND

① GUARDRAIL REMOVAL SPECIAL
② PAVED SHOULDER REMOVAL
③ PAVEMENT MARKING REMOVAL - WATER BLASTING
④ SAW CUT

PROJECT BEGINS
STA. 325+18

EXISTING R.O.W.

EXISTING AGGREGATE SHOULDER

EXISTING H.M.A. SHOULDER

MATCHLINE STA. 326+00.00

MATCHLINE STA. 332+00.00

US 24 / IL 9

327+00 328+00 329+00 330+00 331+00

+16.81
02.97°

EXISTING H.M.A. SHOULDER

EXISTING AGGREGATE SHOULDER

EXISTING R.O.W.

PRIVATE ENTRANCE
STA. 330+01.20

STA. 330+43.41

GRAVEL DRIVE

GRAVEL DRIVE

TIM L BECKMAN
PARCEL NO. 2015300013

POND

MODEL: Default
FILE NAME: S:\GEN\DRAFTS\TDS\PLNS\SQUAD113\Leo Projects\US 24 & Cameron Ln\US24 & CAMERON_REMOVALSHT3.dgn

USER NAME = Crespole	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/30/2018	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 AND CAMERON LANE EXISTING & REMOVAL PLANS

SCALE: 1":20' | SHEET 1 OF 3 SHEETS | STA. 326+00 | TO STA. 332+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	9
		68E03		
	ILLINOIS FED. AID PROJECT			

FRANCISCO ALVAREZ
PARCEL NO. 2015300020

EXISTING R.O.W.

EXISTING AGGREGATE SHOULDER

EXISTING H.M.A. SHOULDER

W. CAMERON LANE

STA. 335+70.34 US 24

STA. 10+00.00 CAMERON LANE

Point Sta 10+00.00

US 24 / IL 9

MATCHLINE STA. 332+00.00

MATCHLINE STA. 338+00.00

STA. 332+70.83

+38.93
12.17'

+71.12
03.00'

+39.92
13.90'

EXISTING H.M.A. SHOULDER

EXISTING AGGREGATE SHOULDER

EXISTING R.O.W.

S. CAMERON LANE

EXISTING BRIDGE PARAPET

EXISTING R.O.W.

TIM L BECKMAN
PARCEL NO. 2015300017

CHICAGO PACIFIC CORPORATION
PARCEL NO. 2015300014

REMOVAL LEGEND

① GUARDRAIL REMOVAL SPECIAL
② PAVED SHOULDER REMOVAL
③ PAVEMENT MARKING REMOVAL - WATER BLASTING
④ SAW CUT

MODEL: Default
FILE NAME: S:\GEN\DRAFTSTDS\PLNS\SQUAD13\Leo Projects\US 24 & Cameron Ln\US24 & CAMERON REMOVALSHT3.dgn

USER NAME = Crespole	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/30/2018	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 AND CAMERON LANE EXISTING & REMOVAL PLANS

SCALE: 1":20' | SHEET 2 OF 3 SHEETS | STA. 332+00 TO STA. 338+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	10
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

WHEELER ROAD

PC Sta 8+78.08

WHITNEY LAND TRUST
PARCEL NO. 2015300016

EXISTING R.O.W.

PT Sta 9+36.05

PROJECT ENDS
STA. 344+25

US 24 / IL 9

POT Sta 10+00.00

339+00 340+00 341+00 342+00 343+00

MATCHLINE STA. 338+00.00

MATCHLINE STA. 344+00.00

LOMAX MARSH CREEK

CTV

EXISTING R.O.W.

OPERATING ENGINEERS 649
PARCEL NO. 2015300022

JOHN H DOOLEY
PARCEL NO. 2015300021

REMOVAL LEGEND

1. GUARDRAIL REMOVAL SPECIAL
2. PAVED SHOULDER REMOVAL
3. PAVEMENT MARKING REMOVAL - WATER BLASTING
4. SAW CUT

MODEL: Default
FILE NAME: S:\GEN\DRAFTS\D&P\NS\SQUAD13\Leo Projects\US 24 & Cameron Ln\US24 & CAMERON REMOVALSHT3.dgn

USER NAME = Crespole	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/30/2018	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 AND CAMERON LANE EXISTING & REMOVAL PLANS

SCALE: 1":20' | SHEET 3 OF 3 SHEETS | STA. 338+00 TO STA. 344+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	11
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

LEGEND

1. CONCRETE MEDIAN, TYPE M-4.06
2. SUBBASE GRANULAR MATERIAL, TYPE A 12"
3. INLETS TO BE ADJUSTED
4. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 1/2"
5. MODIFIED URETHANE PAVEMENT MARKING 4"
6. MODIFIED URETHANE PAVEMENT MARKING 8"
7. MODIFIED URETHANE PAVEMENT MARKING 12"
8. MODIFIED URETHANE PAVEMENT MARKING 8" (DOTTED LINE)
9. MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS

PROJECT BEGINS
STA. 325+18

EXISTING R.O.W.

EXISTING AGGREGATE SHOULDER

EXISTING H.M.A. SHOULDER

MATCHLINE STA. 326+00.00

MATCHLINE STA. 332+00.00

US 24 / IL 9

327+00 328+00 329+00 330+00 331+00

+16.81
02.97'

1 2

EXISTING H.M.A. SHOULDER

EXISTING AGGREGATE SHOULDER

GRAVEL DRIVE

PRIVATE ENTRANCE
STA. 330+01.20

STA. 330+43.41

GRAVEL DRIVE

TIM L BECKMAN
PARCEL NO. 2015300013

EXISTING R.O.W.

POND

MODEL: Default
FILE NAME: S:\GEN\DRAFTSTDS\PLNSSQUAD13\Leo Projects\US 24 & Cameron Ln\US24 & CAMERON PLANSH13.dgn

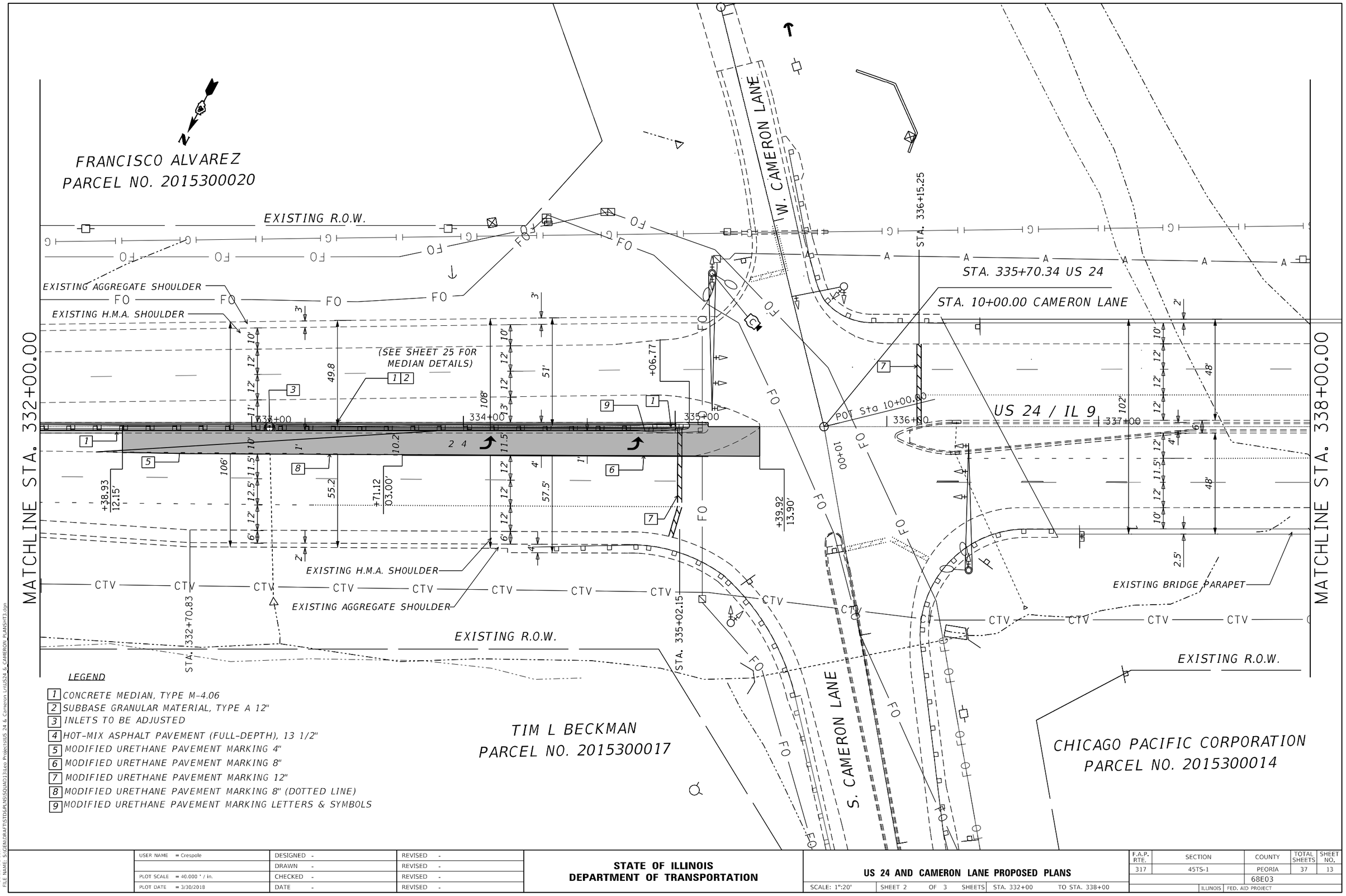
USER NAME = slowinskinm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2018	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 AND CAMERON LANE PROPOSED PLANS

SCALE: 1":20' | SHEET 1 OF 3 SHEETS | STA. 326+00 | TO STA. 332+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	12
		68E03		
	ILLINOIS	FED. AID PROJECT		



LEGEND

1. CONCRETE MEDIAN, TYPE M-4.06
2. SUBBASE GRANULAR MATERIAL, TYPE A 12"
3. INLETS TO BE ADJUSTED
4. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 1/2"
5. MODIFIED URETHANE PAVEMENT MARKING 4"
6. MODIFIED URETHANE PAVEMENT MARKING 8"
7. MODIFIED URETHANE PAVEMENT MARKING 12"
8. MODIFIED URETHANE PAVEMENT MARKING 8" (DOTTED LINE)
9. MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS

USER NAME = Crespole	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/30/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 AND CAMERON LANE PROPOSED PLANS

SCALE: 1":20' | SHEET 2 OF 3 SHEETS | STA. 332+00 TO STA. 338+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	13
		68E03		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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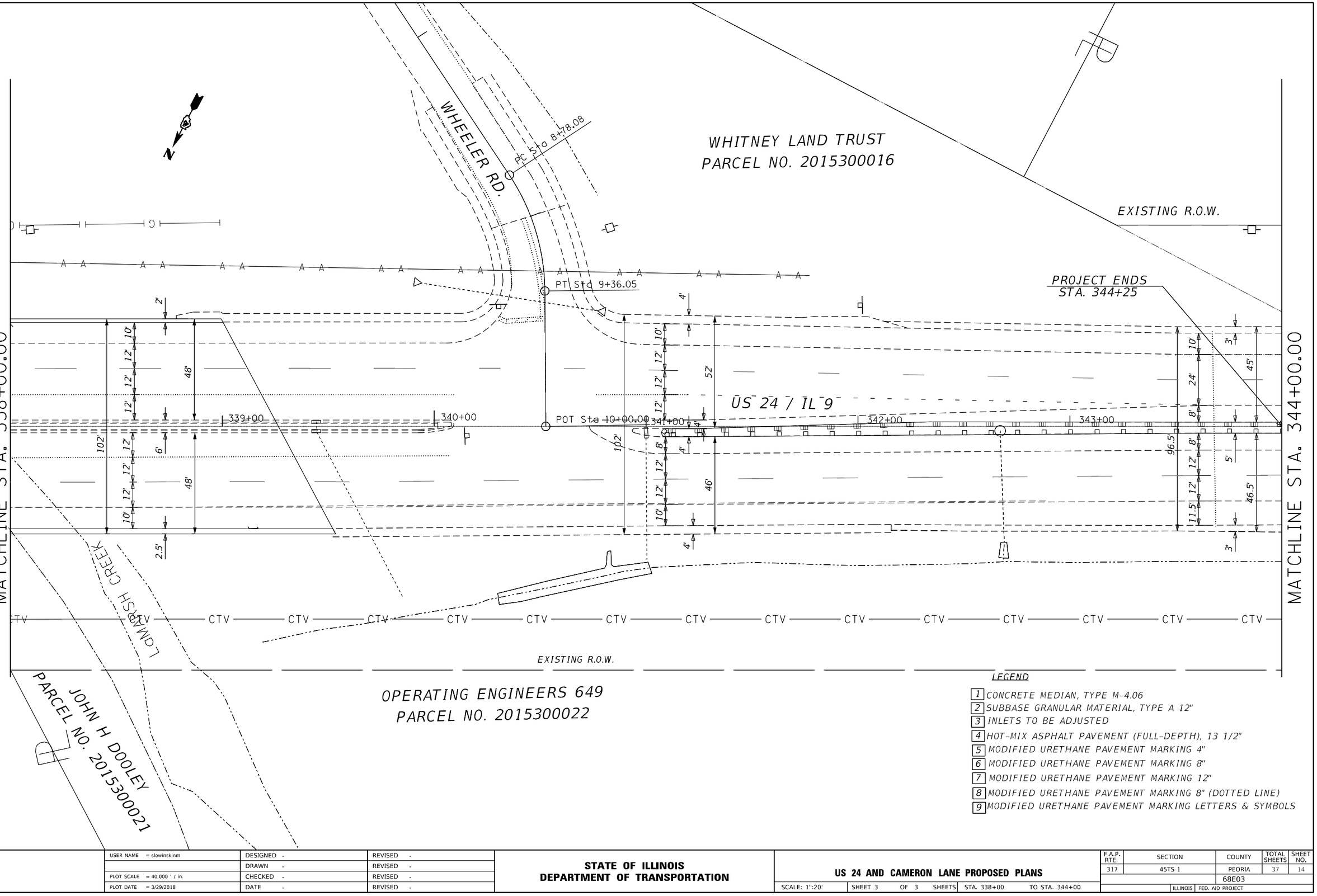


LEGEND

1. CONCRETE MEDIAN, TYPE M-4.06
2. SUBBASE GRANULAR MATERIAL, TYPE A 12"
3. INLETS TO BE ADJUSTED
4. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 1/2"
5. MODIFIED URETHANE PAVEMENT MARKING 4"
6. MODIFIED URETHANE PAVEMENT MARKING 8"
7. MODIFIED URETHANE PAVEMENT MARKING 12"
8. MODIFIED URETHANE PAVEMENT MARKING 8" (DOTTED LINE)
9. MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS

MODEL: Default
FILE NAME: S:\GEN\DRAFTSTDS\PLNS\SQUAD13\Leo Projects\US 24 & Cameron Ln\US24 & CAMERON PLANSHT3.dgn

USER NAME = slowinskinm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 AND CAMERON LANE PROPOSED PLANS

SCALE: 1":20' | SHEET 3 OF 3 SHEETS | STA. 338+00 | TO STA. 344+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	14
		68E03		
	ILLINOIS	FED. AID PROJECT		

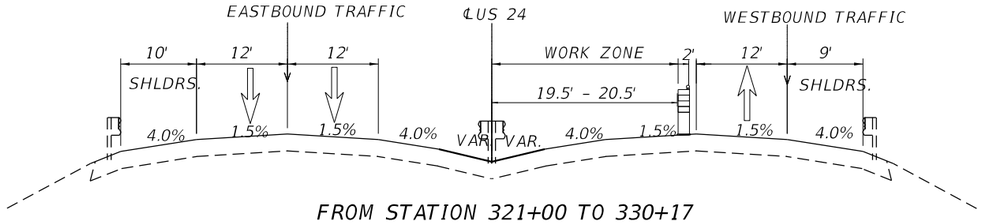
GENERAL STAGING NOTES:

1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH STANDARDS 701101, (CAMERON LANE) 701401, AND 701406 EXCEPT WHERE MODIFIED ON STAGING PLAN SHEETS.
2. THE ADVANCE WARNING SIGNS SHALL BE PLACED AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER.
3. THE ADVANCE WARNING SIGN INSTALLATION SHALL CONFORM TO ALL M.U.T.C.D. REQUIREMENTS.

STAGE I CONSTRUCTION SEQUENCE:

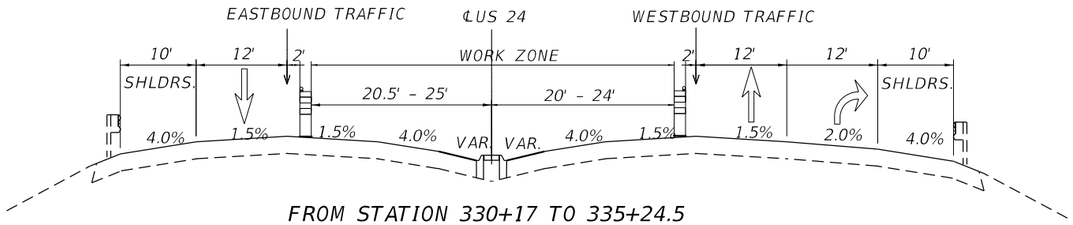
1. REMOVAL OF GUADRAIL (SPECIAL) FROM STA. 330+20 TO 335+13
2. SAW CUT EXISTING PAVEMENT FROM STA. 332+40 TO 335+15 AND REMOVAL OF PAVED SHOULDER FROM STA. 330+16.81 TO 335+15.64
3. CONSTRUCT SUB-BASE GRANULAR MATERIAL AND HMA PAVEMENT FROM STA. 332+39 TO 335+16
4. CONSTRUCT CONCRETE MEDIAN FROM STA. 330+17 TO 335+07
5. ADJUST INLET AT STA. 333+08
6. WATER BLAST PAVEMENT MARKING FROM STA. 334+87 TO 335+40
7. SWITCH TRAFFIC CONTROL FOR STAGE II ACCORDING TO TRAFFIC CONTROL STANDARDS 701406 AND 701101

STAGE I

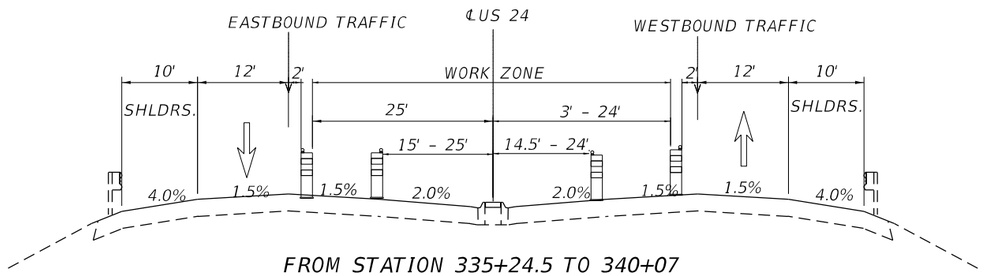


FROM STATION 321+00 TO 330+17

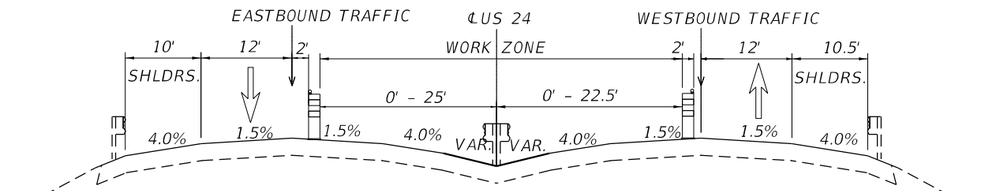
WESTBOUND TRANSITION FROM 2 TO 1 LANE FROM STA. 316+56 TO 320+57



FROM STATION 330+17 TO 335+24.5



FROM STATION 335+24.5 TO 340+07



FROM STATION 340+07 TO 352+00

WESTBOUND TRANSITION FROM 1 TO 2 LANE FROM STA. 343+59 TO 344+43

EASTBOUND TRANSITION FROM 2 TO 1 LANE FROM STA. 352+00 TO 342+00

MODEL: Default
FILE NAME: S:\GEN\DRAFTSTDS\PLNSISQUAD13\Leo Projects\US 24 & Cameron Lnt\typicalsection.dgn

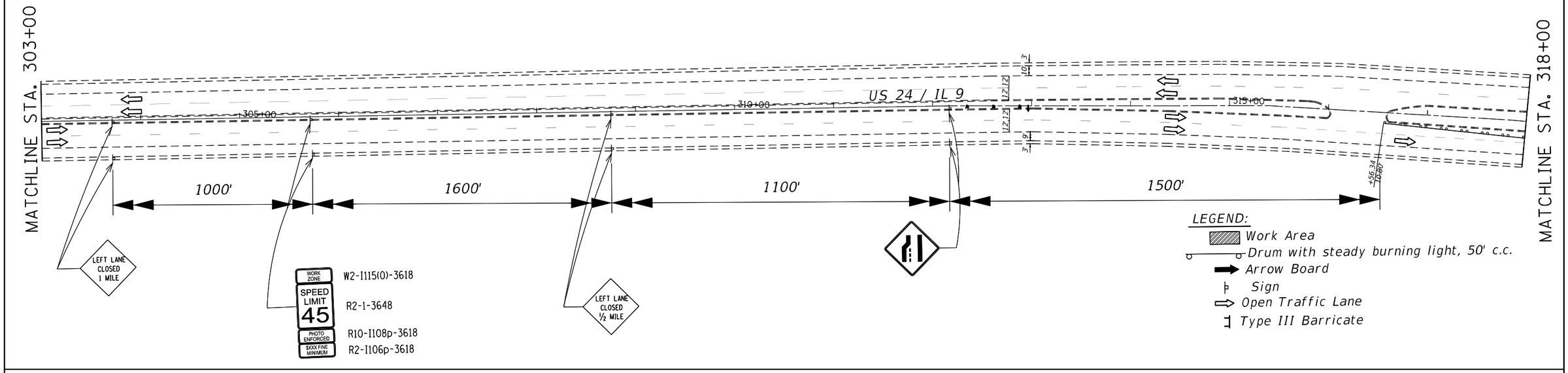
USER NAME = slowinskinm	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

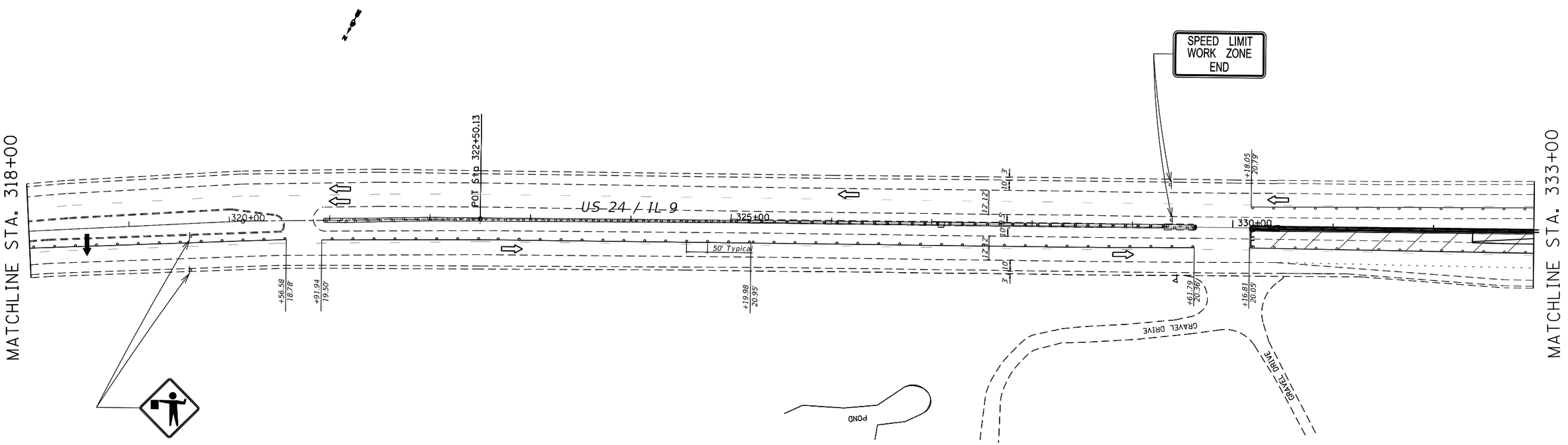
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCEPTUAL STAGE I PLANS
TYPICAL SECTIONS

SCALE: __ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	15
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		





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	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 & CAMERON LANE STAGE I

SCALE: 1" = 50' | SHEET 1 OF 2 SHEETS | STA. 303+00 TO STA. 333+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	16
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA. 333+00

MATCHLINE STA. 348+00

W. CAMERON LANE

S. CAMERON LANE

WHEELER RD.

POT Sta 7+95.88

P.C. Sta 8+78.08

POT Sta 9+36.05

POT Sta 10+00.00

POT Sta 10+00.00

335+00

340+00

345+00

350+00

355+00

360+00

US 24 / IL 9

LEFT TURN LANE

LEFT TURN LANE

200 FEET

LOMARSH CREEK

NOTE:
SEE SHEET 26 FOR TRAFFIC CONTROL & PROTECTION AT TURN BAYS

LEGEND:

- Work Area
- Drum with steady burning light, 50' c.c.
- Arrow Board
- Sign
- Open Traffic Lane
- Type III Barricate

END WORK ZONE SPEED LIMIT

WORK ZONE
W2-1115(0)-3618

SPEED LIMIT 45
R2-1-3648

PHOTO ENFORCED
R10-1108p-3618

BODY FINE MINIMUM
R2-1106p-3618

½ MILE CLOSED LEFT LANE

LEFT LANE CLOSED 1 MILE

1500'

1100'

1600'

1000'

MODEL: Default
FILE NAME: S:\GEN\DRAFTSTD&PLNS\SQUAD13\eo Projects\US 24 & Cameron Ln\US 24 & Cameron Ln Staging1.dgn

USER NAME = slowinskinm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2018	DATE -	REVISED -	

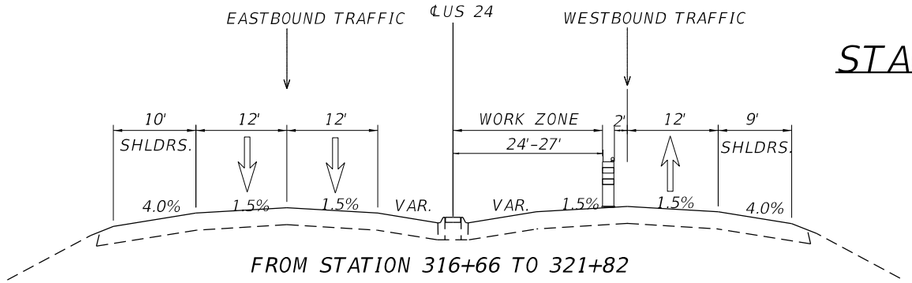
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 & CAMERON LANE STAGE I

SCALE: 1" = 50' | SHEET 2 OF 2 SHEETS | STA. 333+00 TO STA. 363+00

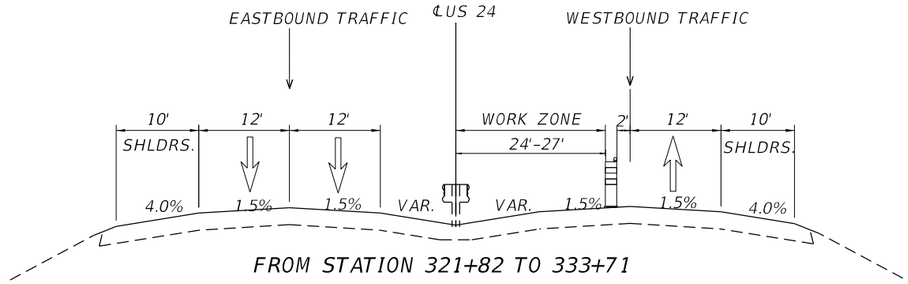
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	17
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

STAGE II A

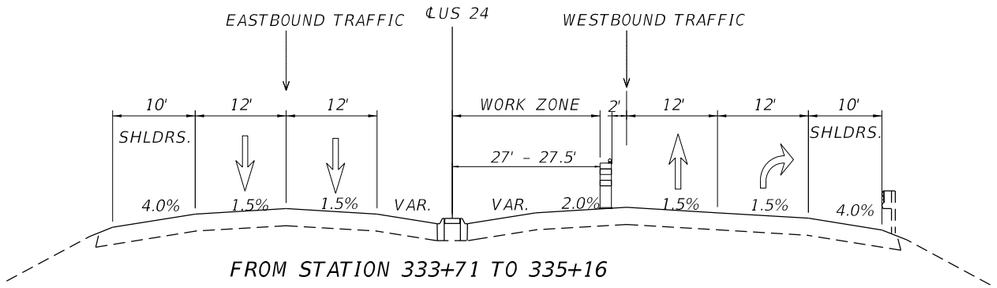


FROM STATION 316+66 TO 321+82

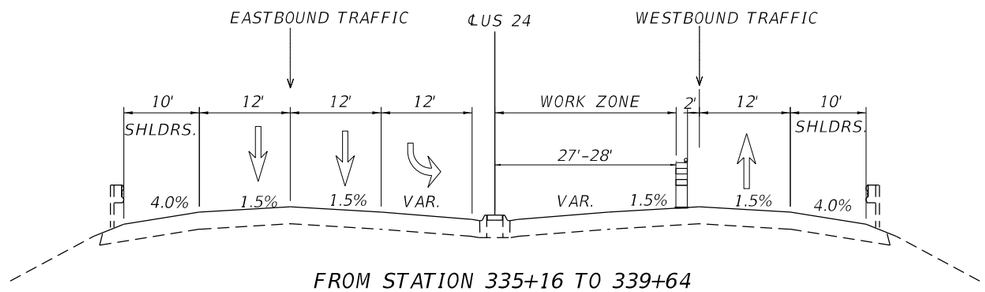
WESTBOUND TRANSITION FROM 2 TO 1 LANE FROM STA. 316+66 TO 320+88



FROM STATION 321+82 TO 333+71



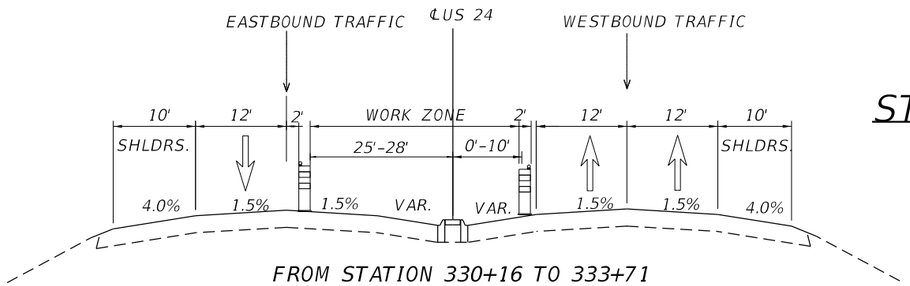
FROM STATION 333+71 TO 335+16



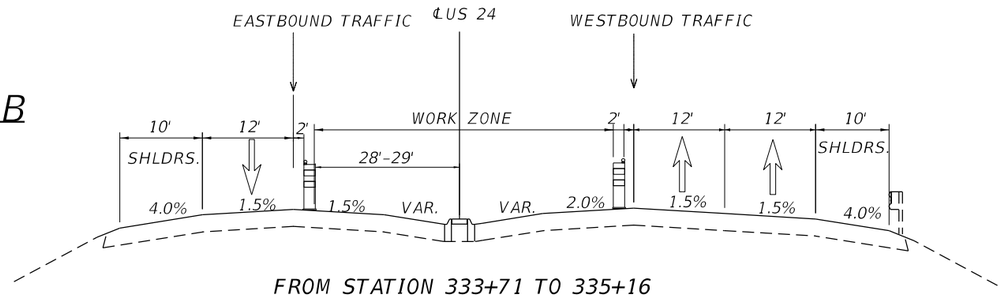
FROM STATION 335+16 TO 339+64

WESTBOUND TRANSITION FROM 1 TO 2 LANE FROM STA. 339+41 TO 340+41

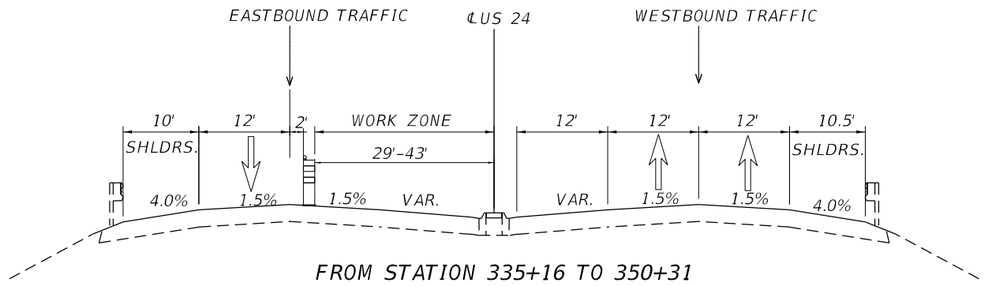
STAGE II B



FROM STATION 330+16 TO 333+71



FROM STATION 333+71 TO 335+16



FROM STATION 335+16 TO 350+31

EASTBOUND TRANSITION FROM 2 TO 1 LANE FROM STA. 356+03 TO 350+31

MODEL: Default
FILE NAME: S:\GEN\DRAFT\STD\GPLNS\SQUAD13\Lco Projects\US 24 & Cameron Lnl\typicalsection.dgn

USER NAME = slowinskinm	DESIGNED - _____	REVISED - _____	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

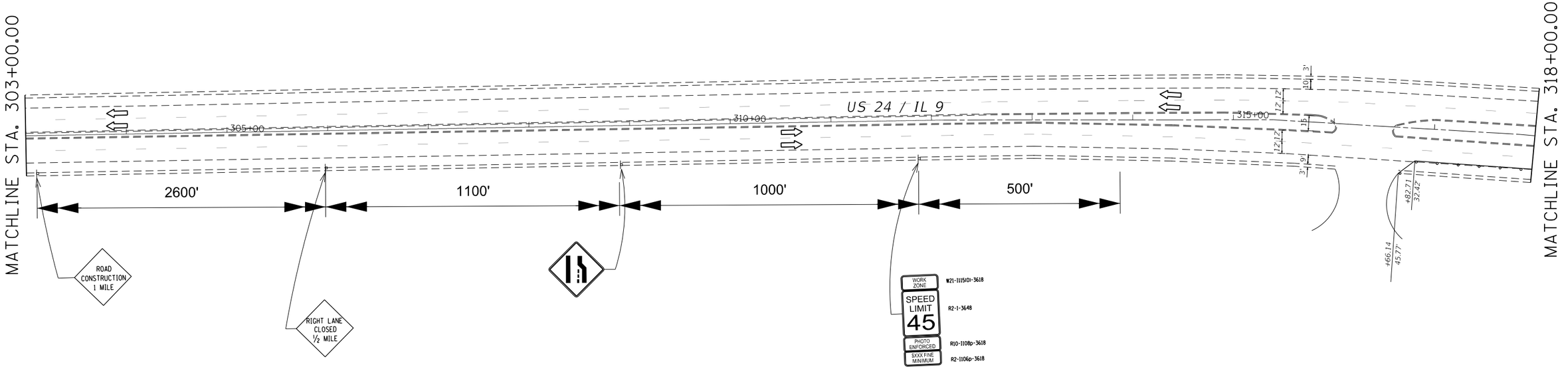
CONCEPTUAL STAGE II PLANS
TYPICAL SECTIONS

SCALE: __ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	18
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

CONSTRUCTION SEQUENCE:

1. *CUT AND INSTAL DETECTOR LOOP ON THE OUTSIDE LANE*
2. *INSTALL ELECTRIC CABLES IN CONDUIT*
3. *INSTALLATION OF NORTHSIDE MAST ARM*
4. *TRAFFIC CONTROL ALONG CAMERON LANE SHALL BE ACCORDING TO STANDARD 701101*
5. *SWITCH TRAFFIC CONTROL TO INSIDE LANE AND INSTALL LOOP DETECTOR*
6. *SWITCH TRAFFIC CONTROL TO EASTBOUND LANES ACCORDING TO STAGE IIB*
7. *CUT AND INSTAL DETECTOR LOOP ON THE OUTSIDE LANE*
8. *INSTALL ELECTRIC CABLES IN CONDUIT*
9. *INSTAL SOUTHSIDE MAST ARM*
10. *SWITCH TRAFFIC CONTROL TO INSIDE LANE AND INSTALL LOOP DETECTOR*



LEGEND:

- *Work Area*
- *Drum with steady burning light, 50' c.c.*
- *Arrow Board*
- *Sign*
- *Open Traffic Lane*
- *Type III Barricate*

MODEL: Default
FILE NAME: S:\GEN\DRAFTS\STD&PLNS\SQUAD12\Leo Projects\US 24 & Cameron Ln\US 24 & Cameron Ln StagingIIA.dgn

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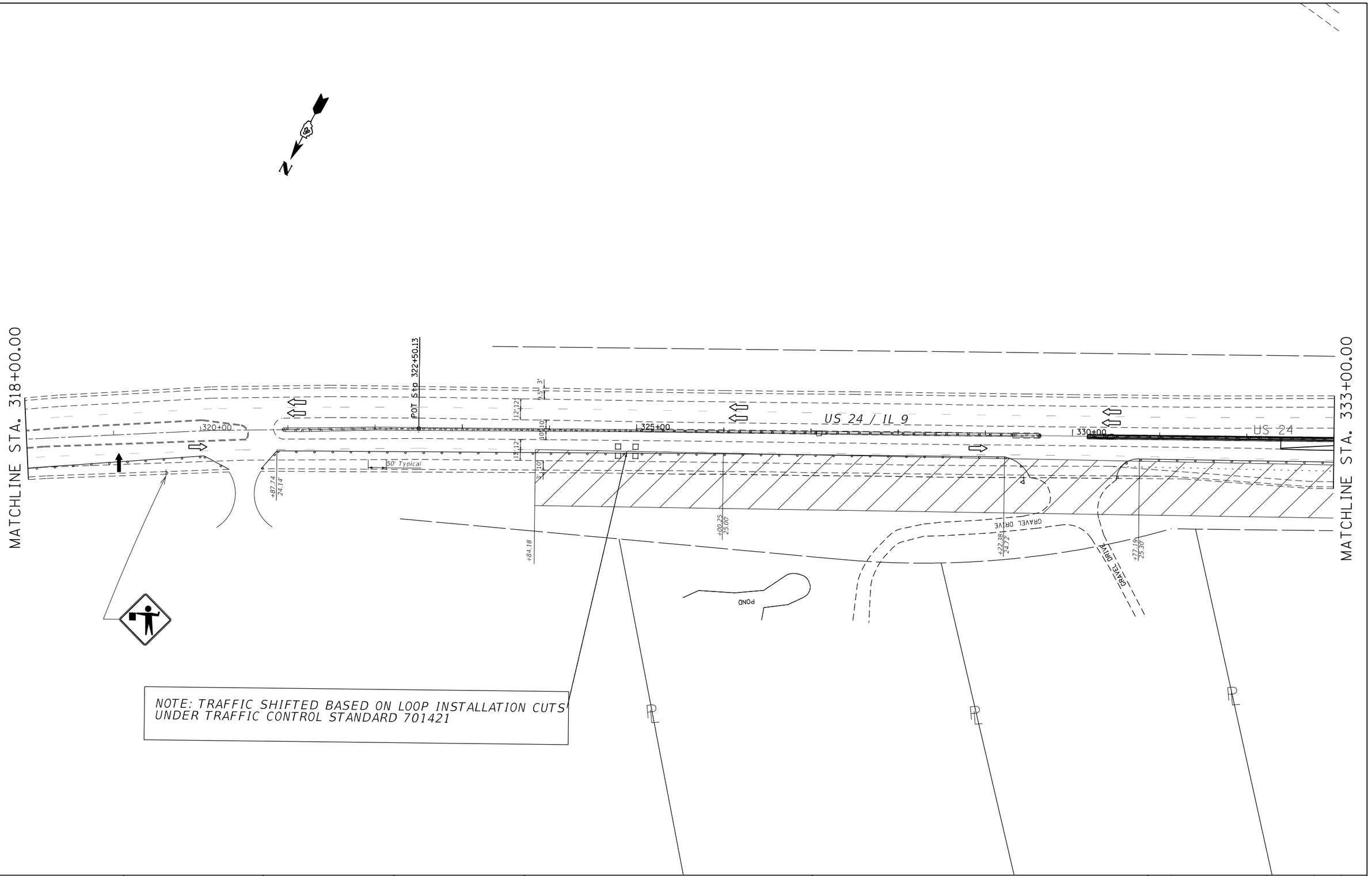
	DRAWN - _____	REVISED - _____
PLOT SCALE = 99.986 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 & CAMERON LANE STAGE IIA

SCALE: 1" = 50' | SHEET 1 OF 3 SHEETS | STA. 303+00 | TO STA. 318+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	19
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		



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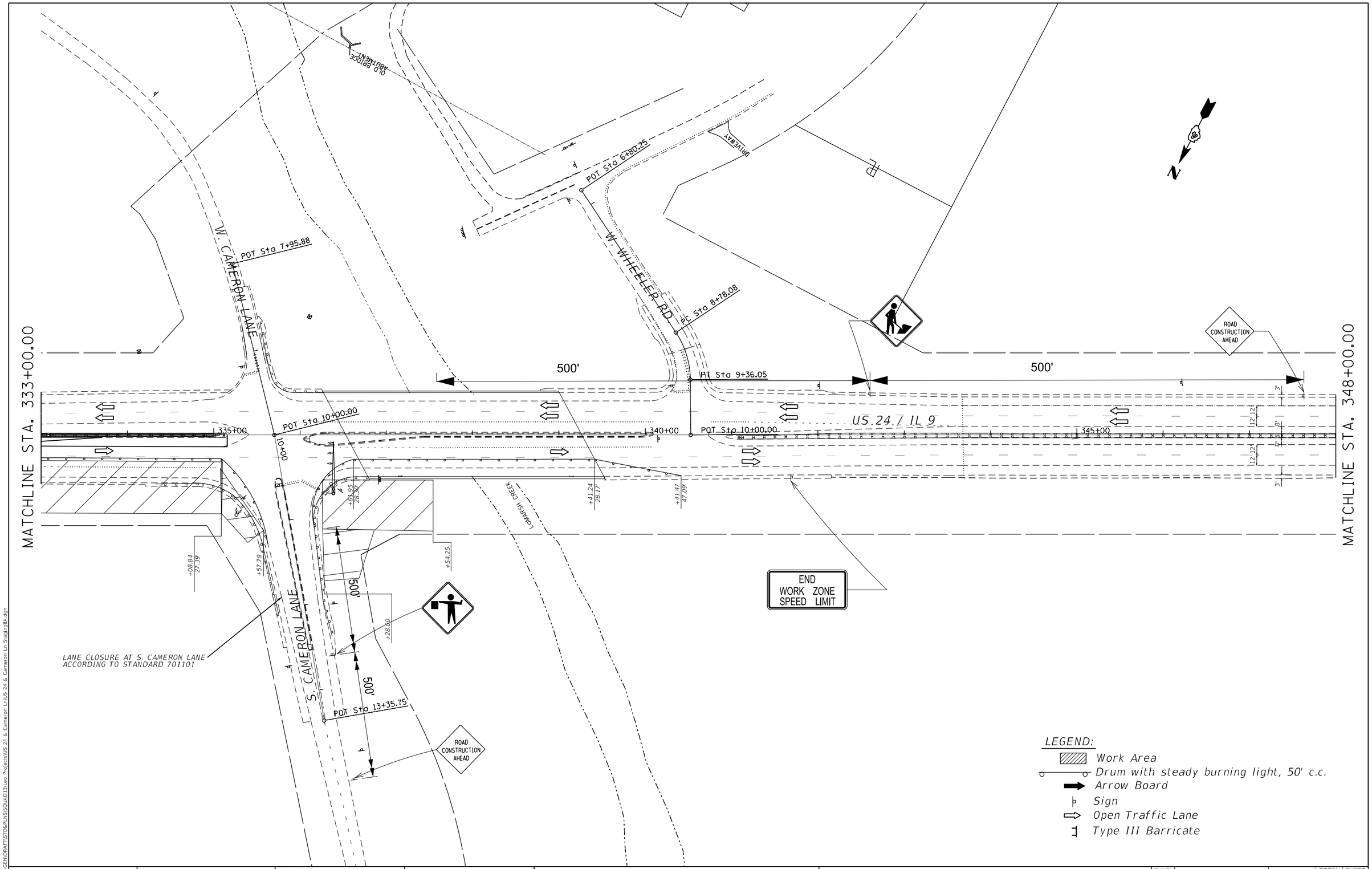
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.041 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 & CAMERON LANE STAGE IIA

SCALE: 1" = 50' | SHEET 2 OF 3 SHEETS | STA. 318+00 TO STA. 333+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	TS45-1	PEORIA	37	20
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		



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	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.041 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 & CAMERON LANE STAGE IIA

SCALE: 1" = 50' | SHEET 3 OF 3 SHEETS | STA. 333+00 TO STA. 348+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	21
		CONTRACT NO. 68E03		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STA. 318+00.00

MATCHLINE STA. 333+00.00

MATCHLINE STA. 333+00.00

MATCHLINE STA. 348+00.00

US 24 / IL 9

320+00

325+00

330+00

335+00

340+00

345+00

POT Sta 322+50.13

POT Sta 7+95.88

POT Sta 10+00.00

POT Sta 10+00.00

PC Sta 8+78.08

PT Sta 9+36.05

END
WORK ZONE
SPEED LIMIT

ROAD
CONSTRUCTION
1 MILE

ROAD
CONSTRUCTION
AHEAD

500'

500'

500'

500'

LANE CLOSURE AT S. CAMERON LANE
ACCORDING TO STANDARD 701101

W. CAMERON LANE

S. CAMERON LANE

W. WHEELER RD

LOMARSH CREEK

POND

GRAVEL DRIVE

GRAVEL DRIVE

NOTE: TRAFFIC SHIFTED BASED ON LOOP INSTALLATION CUTS
UNDER TRAFFIC CONTROL STANDARD 701421

LEGEND:

- Work Area
- Drum with steady burning light, 50' c.c.
- Arrow Board
- Sign
- Open Traffic Lane
- Type III Barricate

MODEL: Default
FILE NAME: S:\GEN\DRAFTSTDS\PLNS\SQUAD131.tcp ProjectsUS 24 & Cameron Ln\US 24 & Cameron Ln Staging IIB.dgn

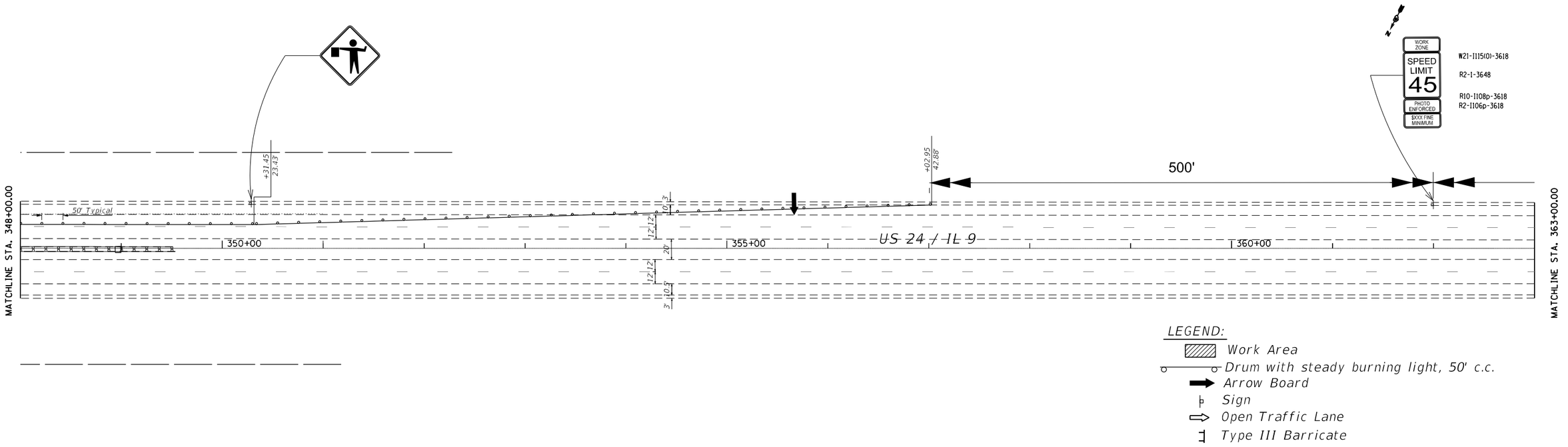
USER NAME = slowinskinm	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____

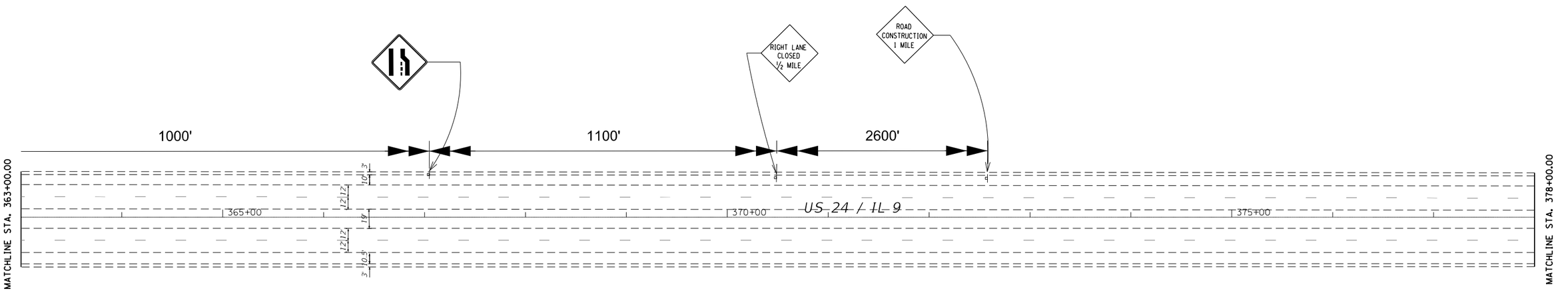
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 & CAMERON LANE STAGE IIB

SCALE: 1" = 50' | SHEET 1 OF 2 SHEETS | STA. 318+00 TO STA. 348+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	22
		CONTRACT NO. 68E03		
		ILLINOIS	FED. AID PROJECT	





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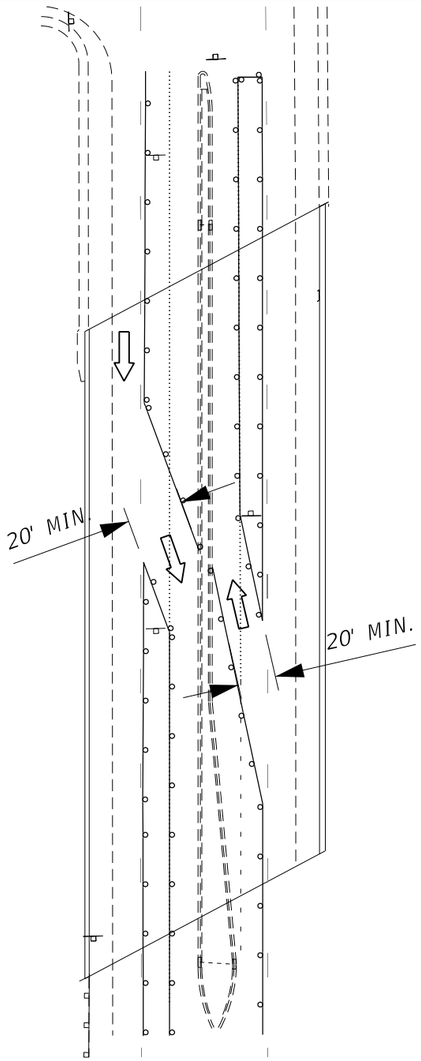
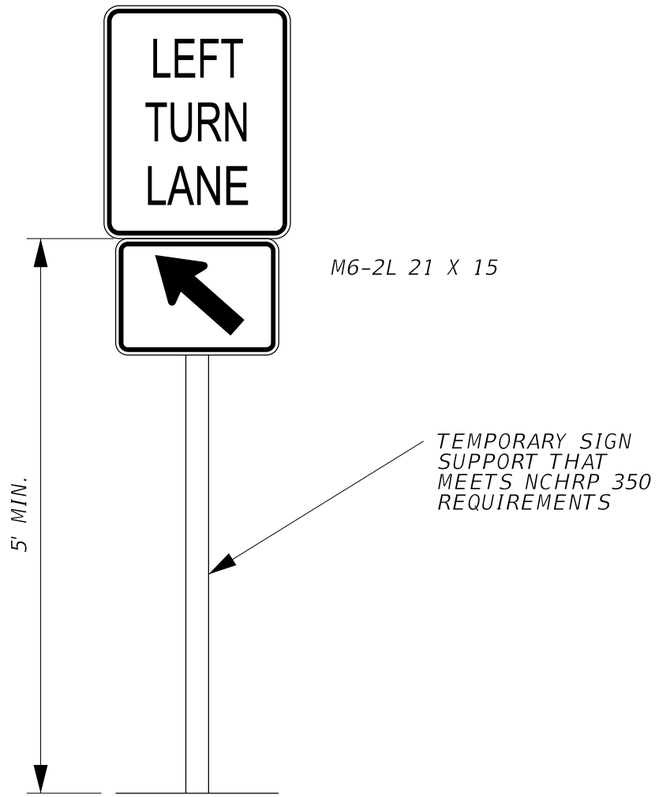
USER NAME = slowinskinm	DESIGNED - _____	REVISED - _____	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 100.000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

US 24 & CAMERON LANE STAGE IIB

SCALE: 1" = 50' | SHEET 2 OF 2 SHEETS | STA. 348+00 TO STA. 378+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	23
		CONTRACT NO. 68E03		
	ILLINOIS FED. AID PROJECT			





LEGEND

DRUM/BARRICADE

LANE OPEN TO TRAFFIC

SIGN (SEE DETAIL)

GENERAL NOTES

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

MODEL: Default
FILE NAME: S:\GEN\DRAFTSTDS\PLNSSQUAD13\Lee Projects\sht 24 & Cameron Ln\TrafficControlandProtectionalTurnBaysDetail.dgn

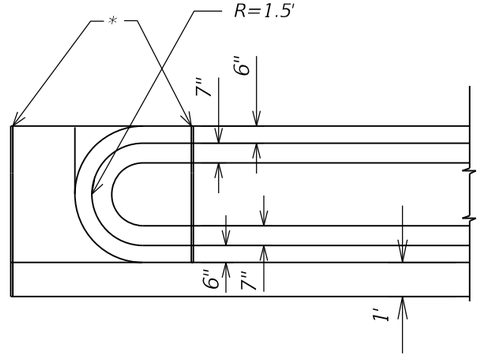
USER NAME = slowinskinm	DESIGNED - _____	REVISED - _____	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 4.000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

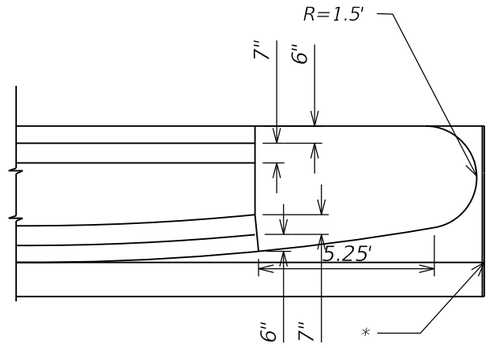
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) DETAIL PLANS

SCALE: _____ | SHEET 1 OF 1 SHEETS | STA. _____ TO STA. _____

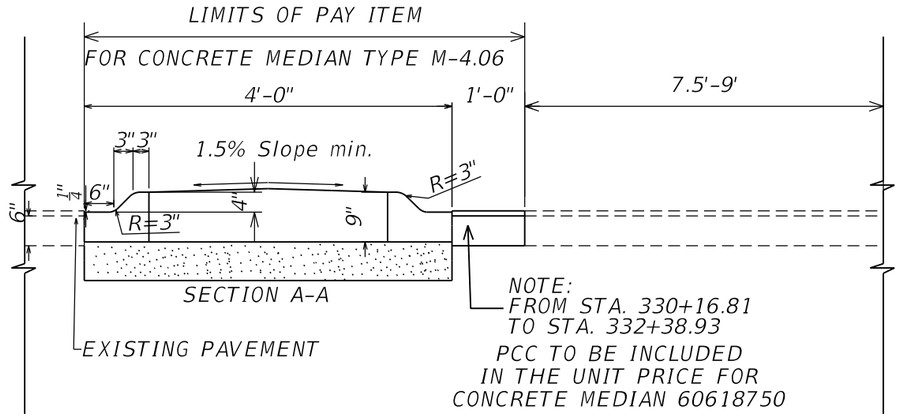
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	24
		CONTRACT NO. 68E03		
	ILLINOIS FED. AID PROJECT			

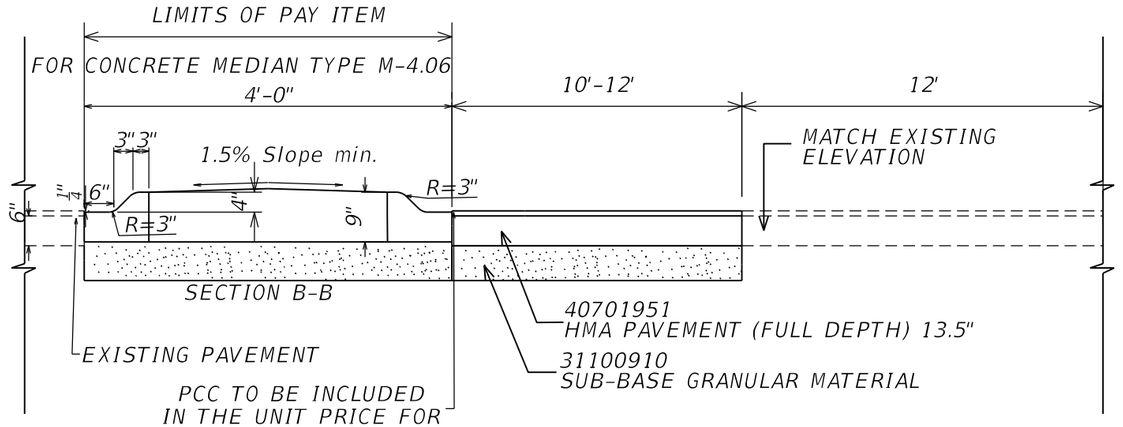
CONCRETE MEDIAN TYPE M-4.06





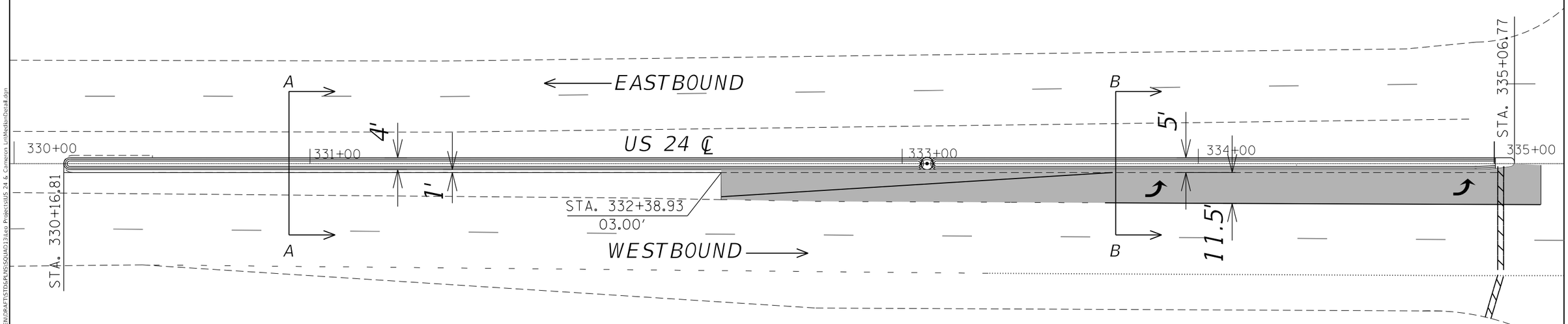
* 3/4" PEJF between rigid pavement and median end. Align with joint in adjacent pavement





NOTE:
PROPOSED DEPTH BASED
ON OLD TYPICAL SECTION
DEPTH MAY VARY

CONSTRACTOR SHALL MATCH
EXISTING PAVEMENT DEPTH



USER NAME = slowinskinm	DESIGNED - _____	REVISED - _____	**STATE OF ILLINOIS**	**MEDIAN DETAIL PLANS**	F.A.P. RTE. 317 / SECTION 45TS-1 / COUNTY PEORIA / TOTAL SHEETS 37 / SHEET NO. 25
	DRAWN - _____	REVISED - _____	**DEPARTMENT OF TRANSPORTATION**		CONTRACT NO. 68E03
PLOT SCALE = 4.000 ' / in.	CHECKED - _____	REVISED - _____		SCALE: N.T.S. / SHEET 1 OF 1 SHEETS / STA. _____ / TO STA. _____	ILLINOIS / FED. AID PROJECT
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____			

MODEL: Default
FILE NAME: S:\GEN\DRAFTSTDS\PLNSSQUA0213.tcp Projects\US 24 & Cameron Ln\MedianDetail.dgn

SCHEDULE OF QUANTITIES			US 24 & CAMERON LANE
ITEM DESCRIPTION	UNIT	TOTAL QTY.	
SHOULDER REMOVAL AND REPLACEMENT FOR ELECTRICAL WORK	FOOT	40.0	40.0
SIGN PANEL - TYPE 1	SQ FT	36.0	36.0
SERVICE INSTALLATION, TYPE B	EACH	1.0	1.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2134.0	2134.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	462.0	462.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 10"	EACH	2.0	2.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8.0	8.0
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0	1.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1165.5	1165.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1537.5	1537.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1444.0	1444.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	659.0	659.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	653.0	653.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1.0	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1.0	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1.0	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 65 FT.	EACH	1.0	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	3.0	3.0
CONCRETE FOUNDATION, TYBE D	FOOT	3.5	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10.0	10.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	51.0	51.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4.0	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	7.0	7.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	3.0	3.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	14.0	14.0
INDUCTIVE LOOP DETECTOR	EACH	17.0	17.0
DETECTOR LOOP, TYPE I	FOOT	1237.5	1237.5
CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	1.0	1.0
CAT 5 ETHERNET CABLE	FOOT	248.5	248.5
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	4.0	4.0
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	238.0	238.0
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1.0	1.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 12, 1 PAIR	FOOT	9606.0	9606.0
DETECTOR LOOP, SPECIAL	FOOT	292.0	292.0

CONSTRUCTION NOTES	
1.	THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
2.	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.
3.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
4.	THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS, AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
5.	ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
6.	THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY TO BOTTOM OF THE SIGNAL BACKPLATE.
7.	ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE GALVANIZED STEEL WITH A NATURAL FINISH.
8.	ALL TRAFFIC SIGNAL STRUCTURES SHALL BE BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C" AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS (INCLUDING CLAMPS, HARDWARE, ELECTRICAL CABLE, AND ALL OTHER ITEMS REQUIRED TO BOND THE STRUCTURES).
9.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
10.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
11.	THE #12 1-PAIR TWISTED/SHIELDED CABLE SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE AND WILL BE MEASURED FOR PAYMENT.
12.	ALL DETECTOR LOOPS SHALL UTILIZE A SEPARATE PAIR OF TWISTED/SHIELDED LEAD-IN CABLE.
13.	LEAD-IN CABLE SHALL BE CONTINUOUS FROM THE TYPE II SPLICE LOCATED IN THE HANDHOLE TO THE CONTROLLER CABINET. NO SPLICES WILL BE ALLOWED.
14.	ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION.
15.	THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT.
16.	THE REMOVAL AND REPLACEMENT OF BITUMINOUS SHOULDER FOR INSTALLATION FOR THE DETECTOR LOOP LEAD-IN AND CONDUIT WILL BE PAID FOR UNDER THE PAY ITEM FOR "SHOULDER REMOVAL AND REPLACEMENT."
17.	PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
19	THE HANDHOLES SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE SHOULDER OR GROUND LINE.
20.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
21.	COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
22.	THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.
23.	NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
24.	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.
25.	THE CONTRACTOR SHALL REMOVE EXISTING RIPRAP DRAINAGE AS NECESSARY TO INSTALL PROPOSED CONCRETE FOUNDATIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR CONCRETE FOUNDATIONS.

MODEL: Default
FILE NAME: \\Central\d4\common\GENTransfer - bureaux\68E03 - Final Traffic Signal Plans\68E03 -US 24 & Cameron Lane Traffic Signal Plans (Final 2-15-18).dgn

USER NAME = slowinskinm	DESIGNED - TJH	REVISED -	
	DRAWN - TJH	REVISED -	
PLOT SCALE = 42.756 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2018	DATE -	REVISED -	

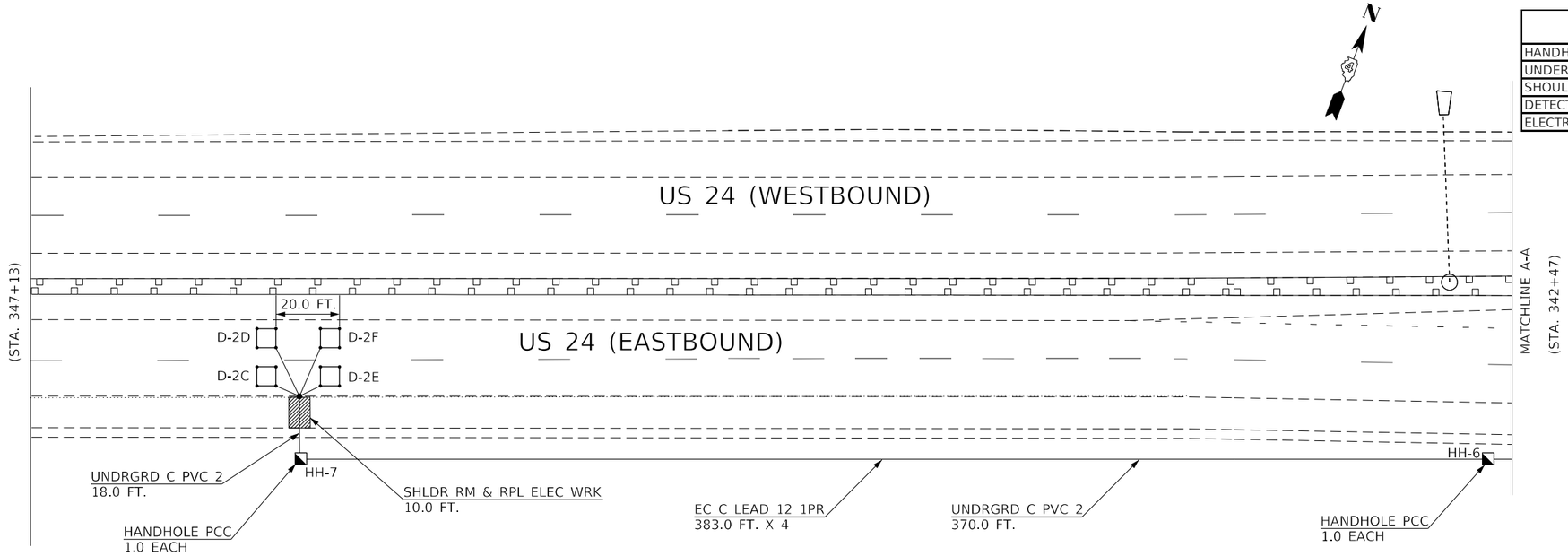
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES & CONSTRUCTION NOTES
US 24 & CAMERON LANE

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

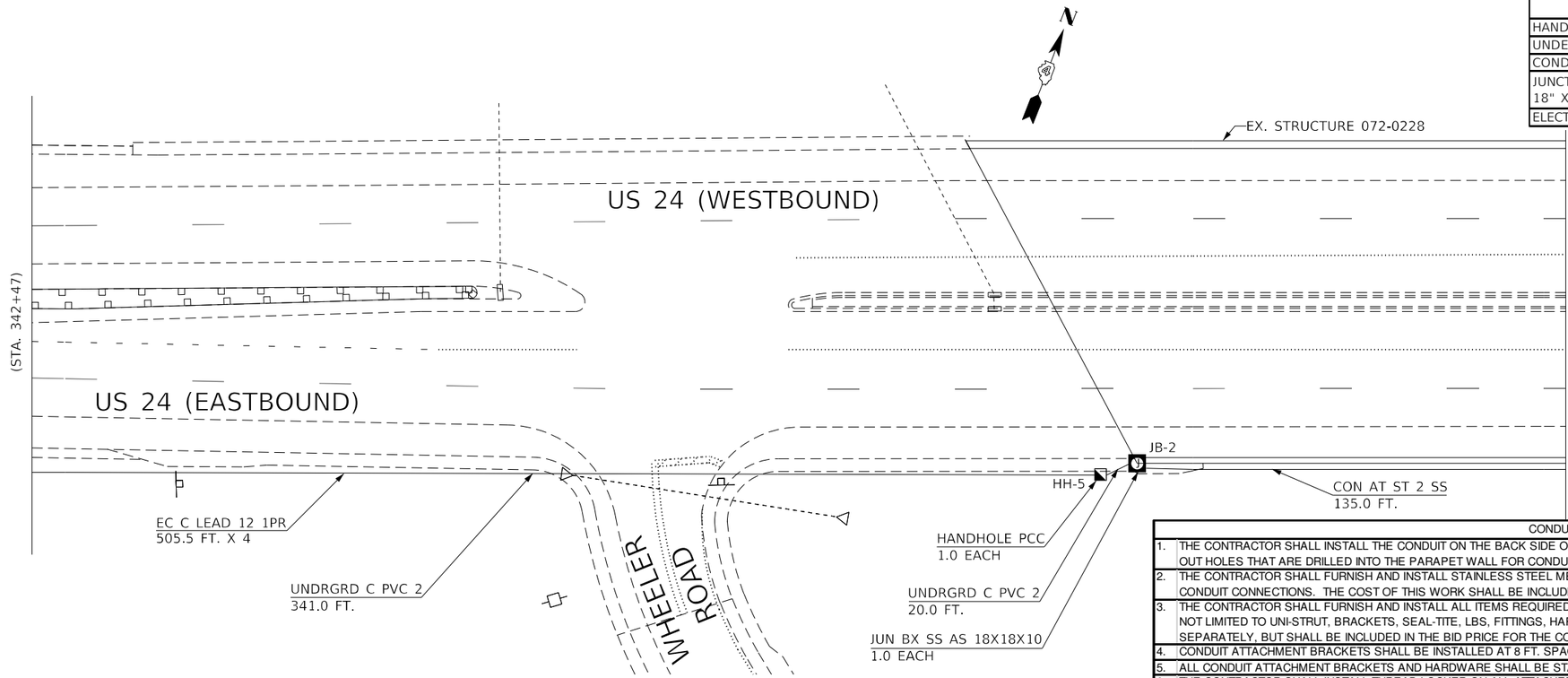
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	26
		CONTRACT NO. 68E03		
		ILLINOIS	FED. AID PROJECT	

BILL OF MATERIALS US 24 STA. 347+13 TO STA. 342+47	UNIT	TOTAL QTY.
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	388.0
SHOULDER REMOVAL AND REPLACEMENT FOR ELECTRICAL WORK	FOOT	10.0
DETECTOR LOOP, SPECIAL	FOOT	146.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 12, 1 PAIR	FOOT	1532.0



NOT TO SCALE

BILL OF MATERIALS US 24 STA. 342+47 TO STA. 337+64	UNIT	TOTAL QTY.
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	361.0
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	135.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 10"	EACH	1.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 12, 1 PAIR	FOOT	2022.0



NOT TO SCALE

CONDUIT ATTACHMENT NOTES	
1.	THE CONTRACTOR SHALL INSTALL THE CONDUIT ON THE BACK SIDE OF THE BRIDGE PARAPET. THE CONTRACTOR SHALL UTILIZE COMPRESSED AIR TO CLEAN OUT HOLES THAT ARE DRILLED INTO THE PARAPET WALL FOR CONDUIT ANCHORS TO ENSURE THAT THE ANCHORS HAVE MAXIMUM ADHERENCE.
2.	THE CONTRACTOR SHALL FURNISH AND INSTALL STAINLESS STEEL MESH CONNECTORS (KELLUM GRIPS) TO PROVIDE STRAIN RELIEF FOR ALL SEAL-TITE CONDUIT CONNECTIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT ATTACHED TO STRUCTURE.
3.	THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED TO ATTACH THE CONDUITS AND JUNCTION BOXES TO THE STRUCTURE, INCLUDING, BUT NOT LIMITED TO UNI-STRUT, BRACKETS, SEAL-TITE, LBS, FITTINGS, HARDWARE, AND OTHER MISCELLANEOUS ITEMS. THESE ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT ATTACHED TO STRUCTURE PAY ITEM.
4.	CONDUIT ATTACHMENT BRACKETS SHALL BE INSTALLED AT 8 FT. SPACINGS (MAXIMUM) ON STRUCTURES.
5.	ALL CONDUIT ATTACHMENT BRACKETS AND HARDWARE SHALL BE STAINLESS STEEL.
6.	THE CONTRACTOR SHALL INSTALL THREAD LOCKER ON ALL ATTACHED CONDUIT THREADED CONNECTIONS TO PREVENT LOOSENING THROUGH VIBRATION.

MODEL: Default
FILE NAME: \\Central\d4\common\GENTransfer - bureaus\68E03 - Final Traffic Signal Plans\68803 -IL5 24 & Cameron Lane Traffic Signal Plans (Final 2-15-18).dgn

USER NAME = slowinskinm	DESIGNED - TJH	REVISED -	
	DRAWN - TJH	REVISED -	
PLOT SCALE = 42.756 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2018	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 EASTBOUND
ADVANCED DETECTION LOOPS

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	27
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

NOTE 1: THE CONCRETE FOUNDATION FOR MA-3 SHALL HAVE A BELOW GRADE DEPTH OF 25 FT. AND AN ABOVE GRADE HEIGHT OF 5 FT. THE FOUNDATION CAGE LENGTH SHALL BE MODIFIED AS NEEDED TO ACCOMODATE THE ABOVE GRADE HEIGHT. THE CAGE SHALL BE PLACED A MAXIMUM OF 2 INCHES FROM THE TOP OF THE FOUNDATION IN ACCORDANCE WITH HIGHWAY STANDARD 878001.

MA-2 AND MA-3 SHALL BE LOCATED A MINIMUM OF 3 FT. FROM THE BACKSIDE OF THE GUARDRAIL.

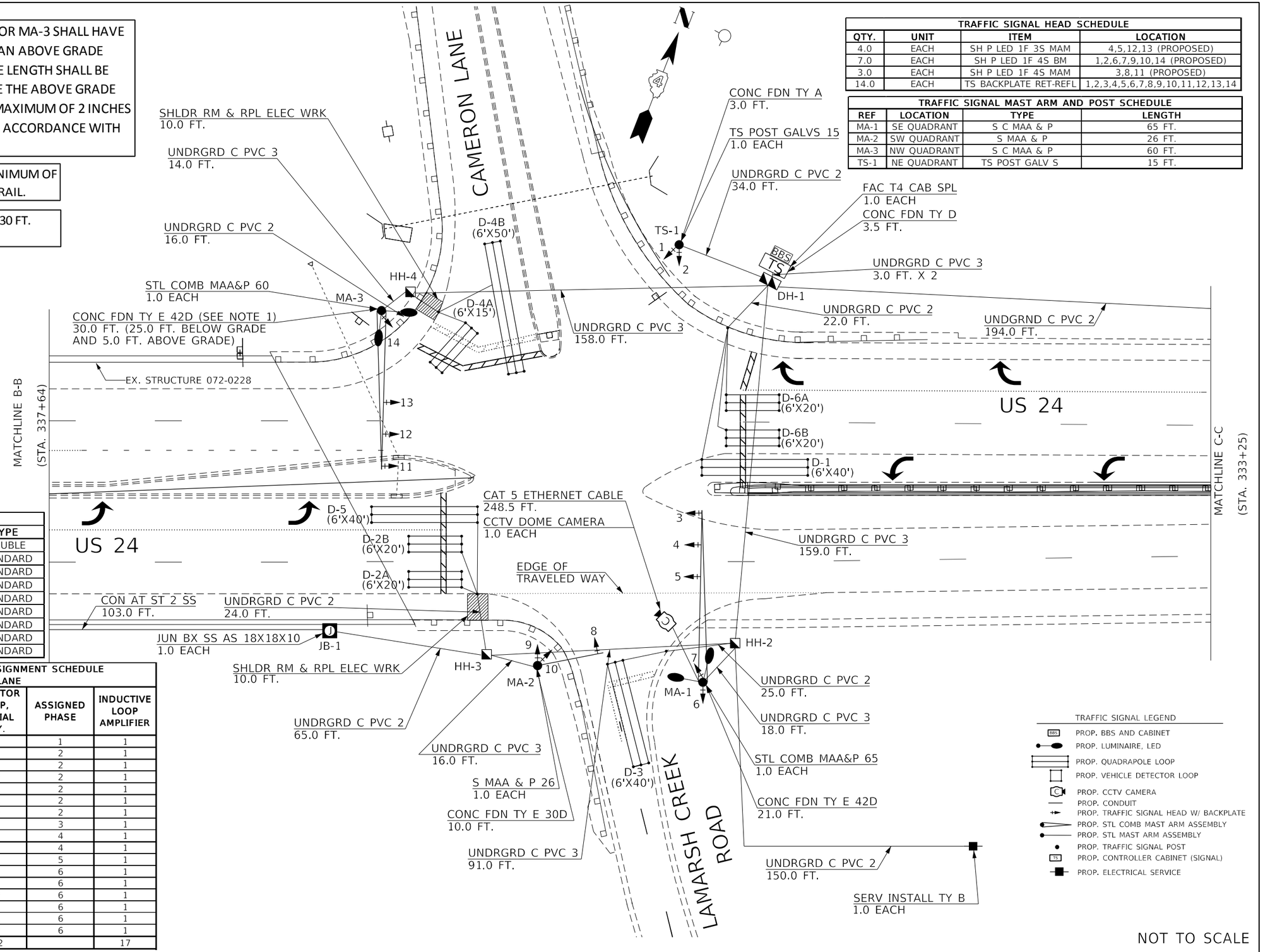
MA-1 SHALL BE LOCATED A MINIMUM OF 30 FT. FROM THE EDGE OF TRAVELED WAY.

TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
4.0	EACH	SH P LED 1F 3S MAM	4,5,12,13 (PROPOSED)
7.0	EACH	SH P LED 1F 4S BM	1,2,6,7,9,10,14 (PROPOSED)
3.0	EACH	SH P LED 1F 4S MAM	3,8,11 (PROPOSED)
14.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9,10,11,12,13,14

TRAFFIC SIGNAL MAST ARM AND POST SCHEDULE			
REF	LOCATION	TYPE	LENGTH
MA-1	SE QUADRANT	S C MAA & P	65 FT.
MA-2	SW QUADRANT	S MAA & P	26 FT.
MA-3	NW QUADRANT	S C MAA & P	60 FT.
TS-1	NE QUADRANT	TS POST GALV S	15 FT.

HANDHOLE SCHEDULE		
REF	LOCATION	TYPE
DH-1	NE QUADRANT	DOUBLE
HH-2	SE QUADRANT	STANDARD
HH-3	SW QUADRANT	STANDARD
HH-4	NW QUADRANT	STANDARD
HH-5	EB SHOULDER (STA. 339+11)	STANDARD
HH-6	EB SHOULDER (STA. 342+54)	STANDARD
HH-7	PHASE 2 ADV. (STA. 346+29)	STANDARD
HH-8	WB SHOULDER (STA. 330+72)	STANDARD
HH-9	PHASE 6 ADV. (STA. 324+89)	STANDARD

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE US 24 & CAMERON LANE					
DETECTOR LOOP	TYPE	DETECTOR LOOP, TYPE 1 QTY.	DETECTOR LOOP, SPECIAL QTY.	ASSIGNED PHASE	INDUCTIVE LOOP AMPLIFIER
D-1	6' X 40' (QUAD)	192		1	1
D-2A	6' X 20' (QUAD)	89		2	1
D-2B	6' X 20' (QUAD)	104		2	1
D-2C	6' X 6' (ADV.)	32	32	2	1
D-2D	6' X 6' (ADV.)	41	41	2	1
D-2E	6' X 6' (ADV.)	41	41	2	1
D-2F	6' X 6' (ADV.)	32	32	2	1
D-3	6' X 40' (QUAD)	152		3	1
D-4A	6' X 15' (QUAD)	77		4	1
D-4B	6' X 50' (QUAD)	224		4	1
D-5	6' X 40' (QUAD)	176.5		5	1
D-6A	6' X 20' (QUAD)	102		6	1
D-6B	6' X 20' (QUAD)	121		6	1
D-6C	6' X 6' (ADV.)	32	32	6	1
D-6D	6' X 6' (ADV.)	41	41	6	1
D-6E	6' X 6' (ADV.)	41	41	6	1
D-6F	6' X 6' (ADV.)	32	32	6	1
TOTAL:		1237.5	292		17



NOT TO SCALE

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	DRAWN - TJH	REVISED -
PLOT SCALE = 42.756 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2018	DATE -	REVISED -

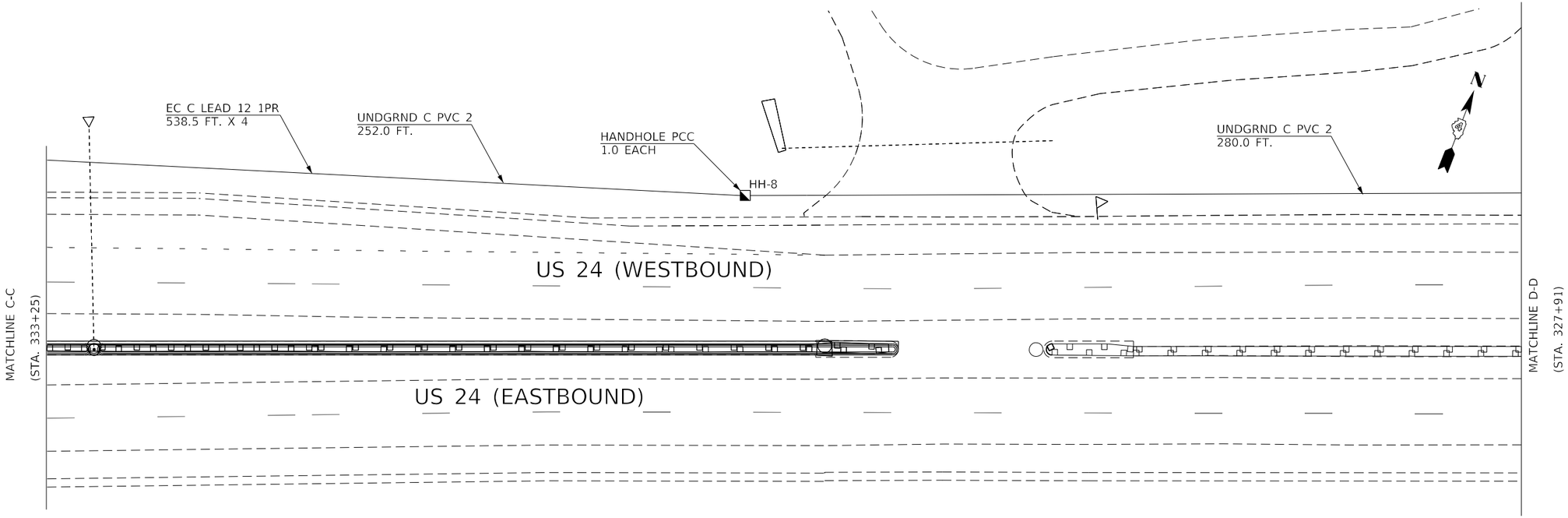
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNALS
US 24 & CAMERON LANE – PEORIA COUNTY

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	28
		CONTRACT NO. 68E03		
		ILLINOIS	FED. AID PROJECT	

BILL OF MATERIALS US 24 STA. 333+25 TO STA. 327+91	UNIT	TOTAL QTY.
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	532.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 12, 1 PAIR	FOOT	2154.0



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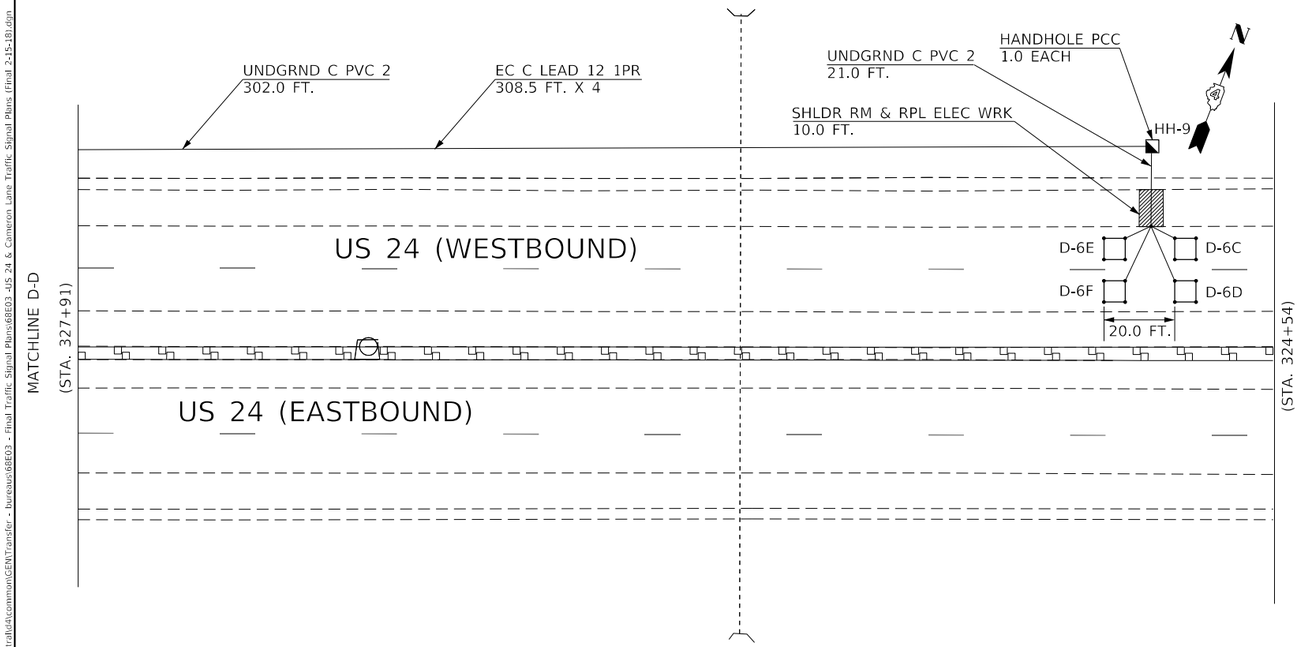

BILL OF MATERIALS US 24 STA. 327+91 TO STA. 324+54	UNIT	TOTAL QTY.
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	323.0
SHOULDER REMOVAL AND REPLACEMENT FOR ELECTRICAL WORK	FOOT	10.0
DETECTOR LOOP, SPECIAL	FOOT	146.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 12, 1 PAIR	FOOT	1234.0

NOT TO SCALE

MODEL: Default
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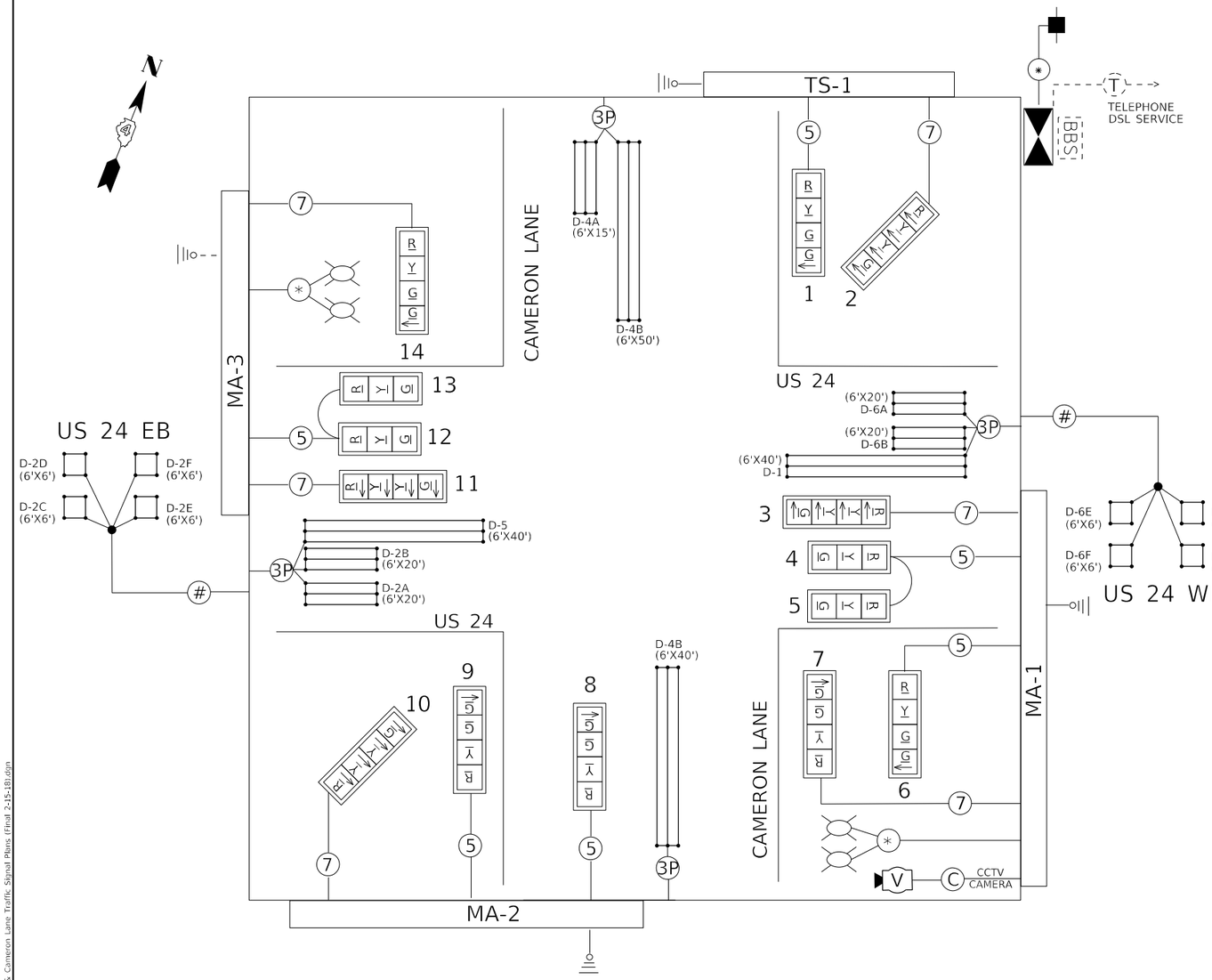
USER NAME = slowinskinm	DESIGNED - TJH	REVISED -	
	DRAWN - TJH	REVISED -	
PLOT SCALE = 42.756 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2018	DATE -	REVISED -	

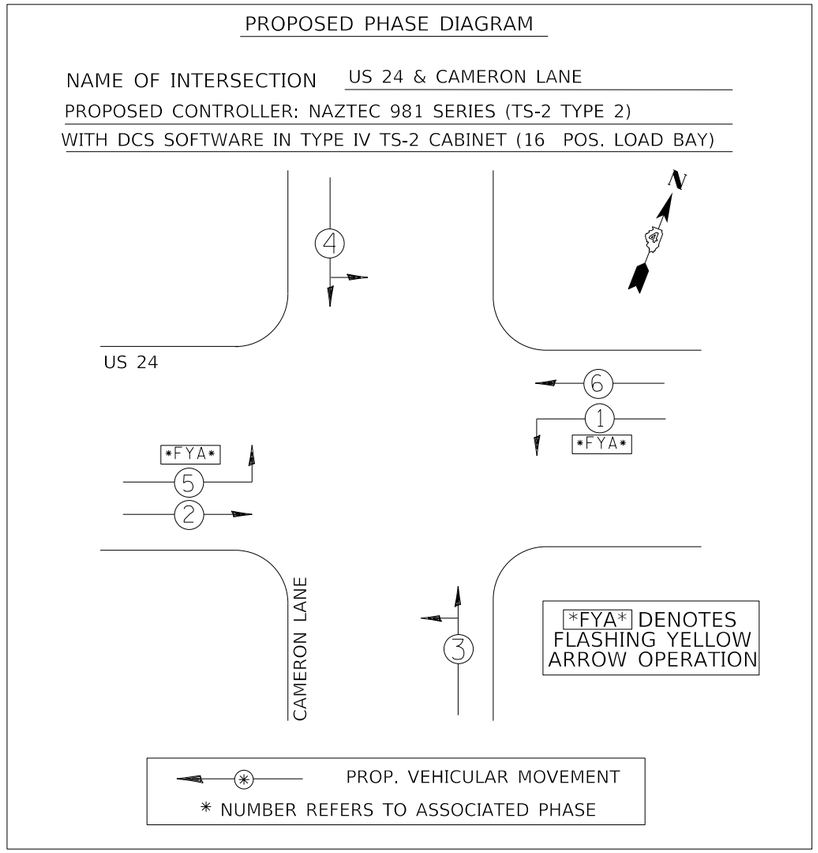
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 24 WESTBOUND
ADVANCED DETECTION LOOPS

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	29
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

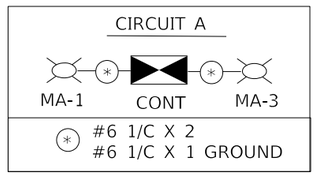




TRAFFIC SIGNALS LEGEND

- PROP. CONTROLLER (SIGNAL)
- BBS — PROP. BBS CABINET
- PROP. ELECTRIC SERVICE
- PROP. DETECTOR LOOP
- PROP. LUMINIARE, LED
- PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE
- PROP. 3 SEC. SIGNAL HEAD
- V — PROP. CCTV CAMERA
- PROP. QUADRAPOLE LOOP
- PROP. GROUND/SAFETY BOND
- (3P) — PROP. #18 3-PR DETECTOR LOOP CABLE
- (5) — PROP. 5/C NO. 14 SIGNAL CABLE
- (7) — PROP. 7/C NO. 14 SIGNAL CABLE
- (#) — PROP. #12 1PR TW/SH LEAD-IN CABLE
- (*) — PROP. #6 1/C CABLE
- (C) — PROP. CAT5E CABLE, SHIELDED

LUMINAIRE WIRING DIAGRAM



NOT TO SCALE

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	DRAWN -	REVISED -	
PLOT SCALE = 42.756 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2018	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL CABLE AND PHASE DIAGRAMS
US 24 & CAMERON LANE – PEORIA COUNTY

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	30
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		

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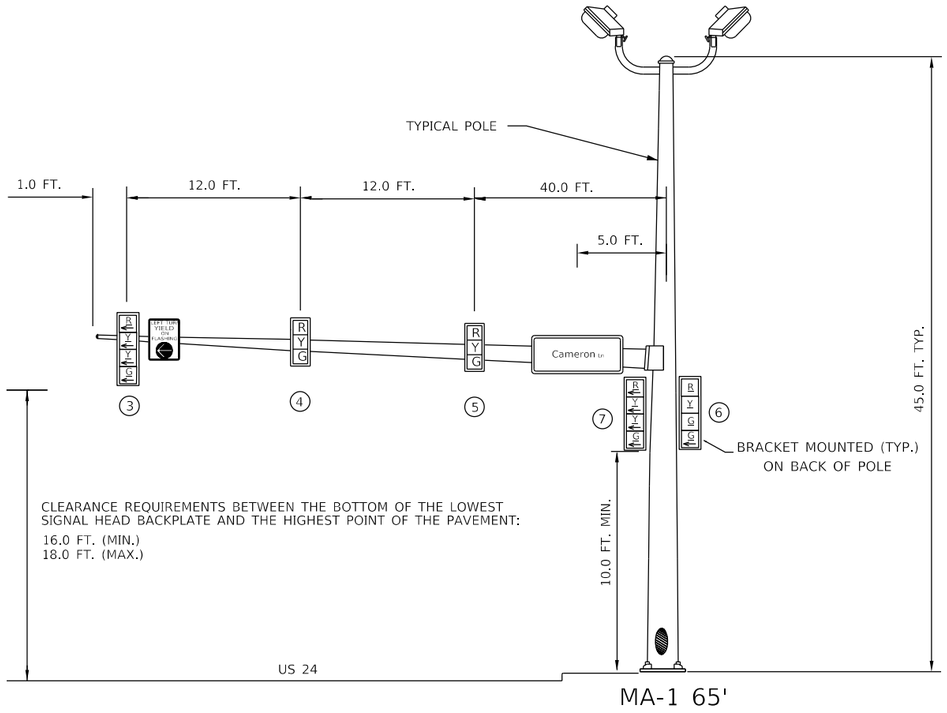
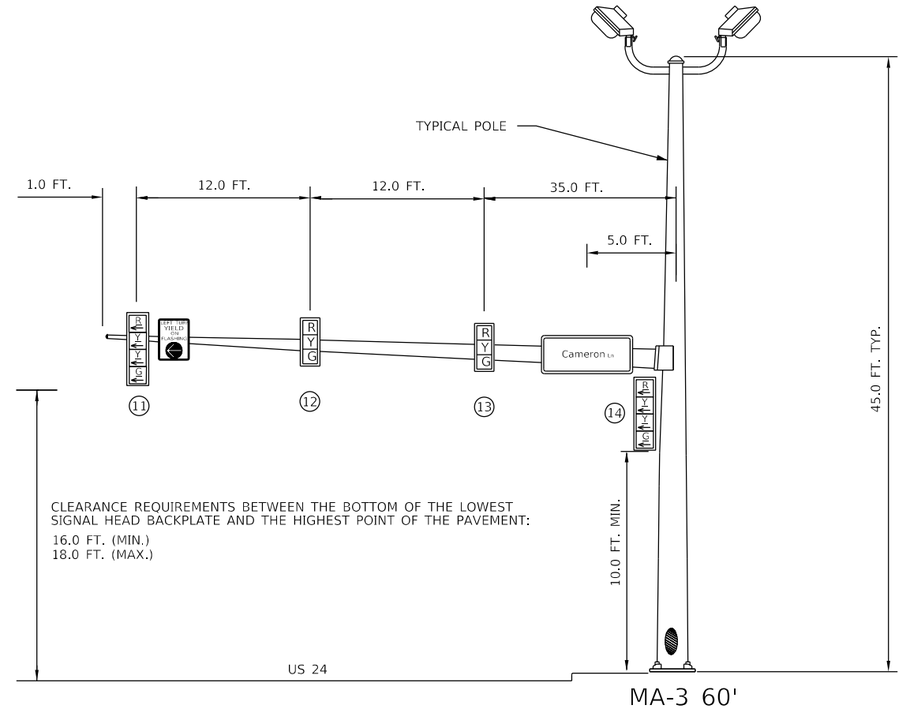


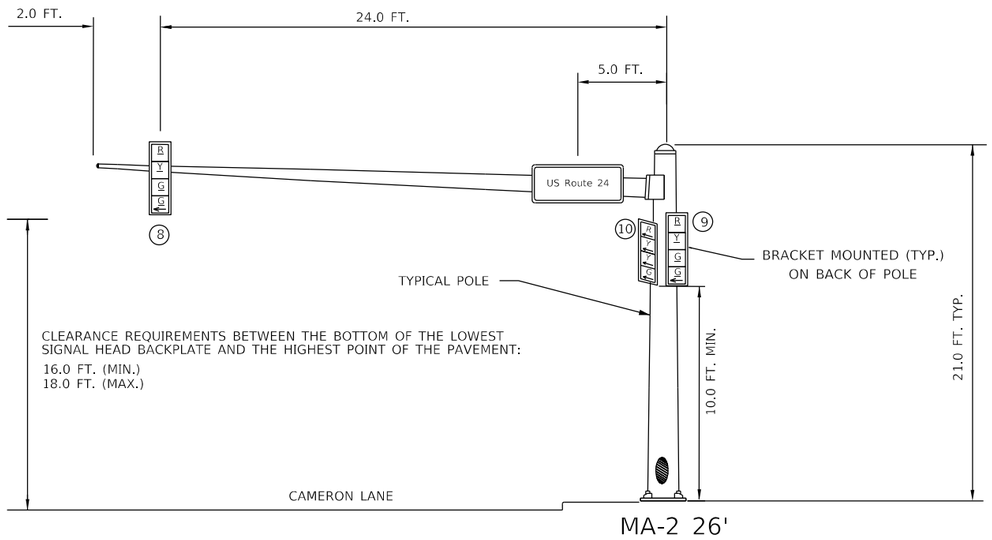
MA-1 65'

EASTBOUND TRAFFIC SIGNAL
SOUTHEAST CORNER OF US 24 & CAMERON LANE



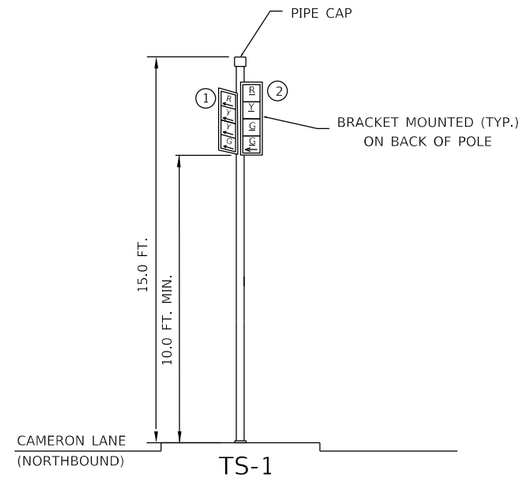
MA-3 60'

WESTBOUND TRAFFIC SIGNAL
NORTHWEST CORNER OF US 24 & CAMERON LANE



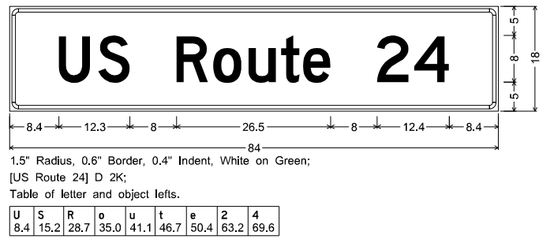
MA-2 26'

SOUTHBOUND TRAFFIC SIGNAL
SOUTHWEST CORNER OF US 24 & CAMERON LANE



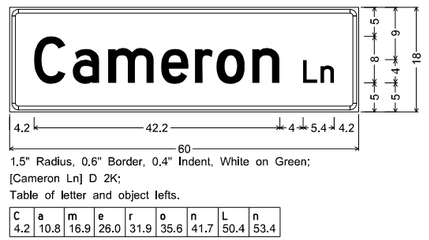
TS-1

TRAFFIC SIGNAL POST
NORTHEAST CORNER OF US 24 & CAMERON LANE



1.5" Radius, 0.6" Border, 0.4" Indent, White on Green;
[US Route 24] D 2K;
Table of letter and object lefts.

U	S	R	o	u	t	e	2	4
8.4	15.2	28.7	35.0	41.1	46.7	50.4	63.2	69.6



1.5" Radius, 0.6" Border, 0.4" Indent, White on Green;
[Cameron Ln] D 2K;
Table of letter and object lefts.

C	a	m	e	r	o	n	L	n
4.2	10.8	16.9	26.0	31.9	35.6	41.7	50.4	53.4

NOT TO SCALE

MODEL: Default
FILE NAME: \\Central\dot\common\GENTransfer - bureaux\68E03 - Final Traffic Signal Plans\68E03 -US 24 & Cameron Lane Traffic Signal Plans (Final 2-15-18).dgn

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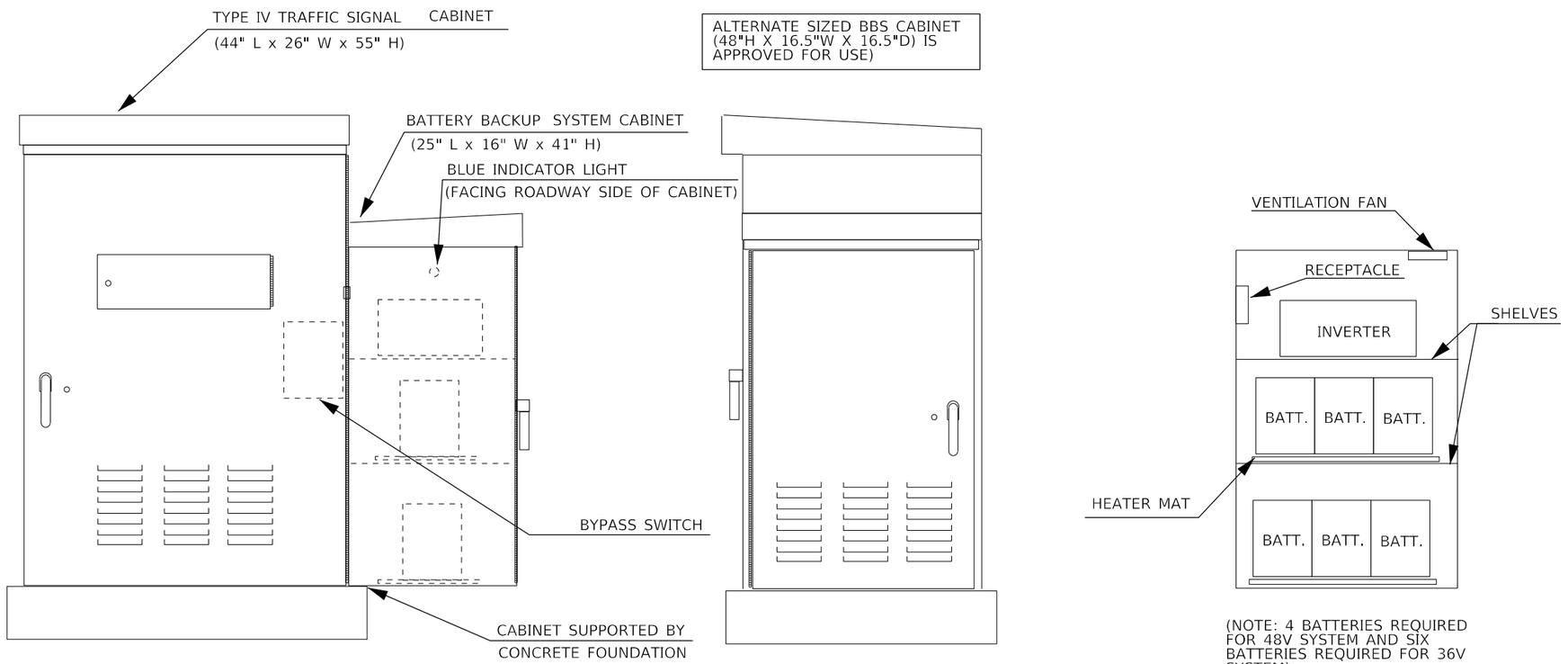
	DRAWN - TJH	REVISED -	
PLOT SCALE = 42.756 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2018	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MAST ARM DETAILS
US 24 & CAMERON LANE – PEORIA COUNTY

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	31
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		



BATTERY BACKUP CABINET DETAILS

NOTES

1. THE BATTERY BACKUP SYSTEM CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 41" (H) X 25" (W) X 16" (D). 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.

NOT TO SCALE

MODEL: Default
FILE NAME: \\Central\dot\common\GENTransfer - bureaus\68E03 - Final Traffic Signal Plans\68E03 -US 24 & Cameron Lane Traffic Signal Plans (Final 2-15-18).dgn

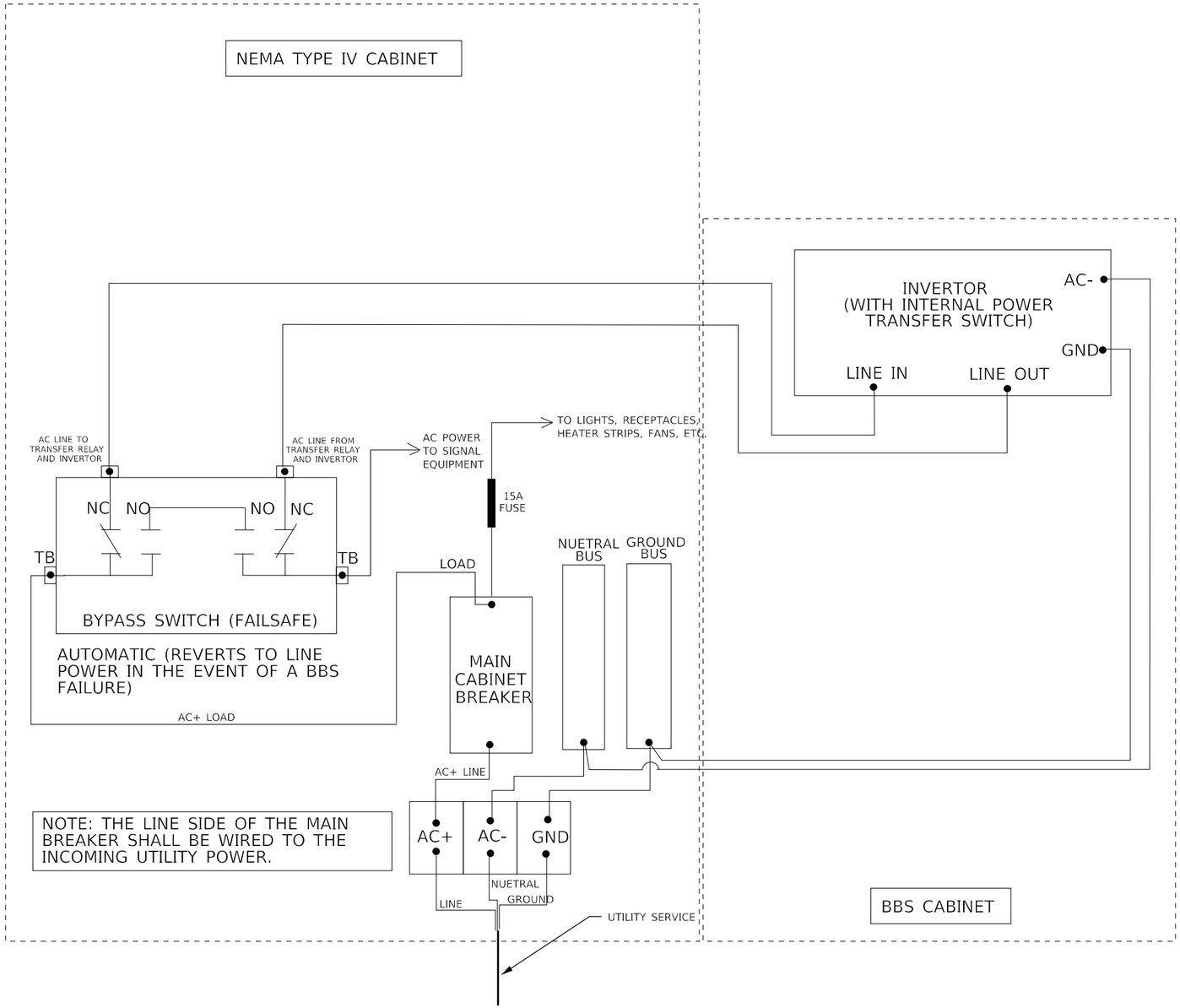
USER NAME = slowinskinm	DESIGNED - TJH	REVISED - _____	
	DRAWN - TJH	REVISED - _____	
PLOT SCALE = 42.756 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BATTERY BACKUP SYSTEM CABINET DETAIL

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	32
		CONTRACT NO. 68E03		
		ILLINOIS	FED. AID PROJECT	



NOT TO SCALE

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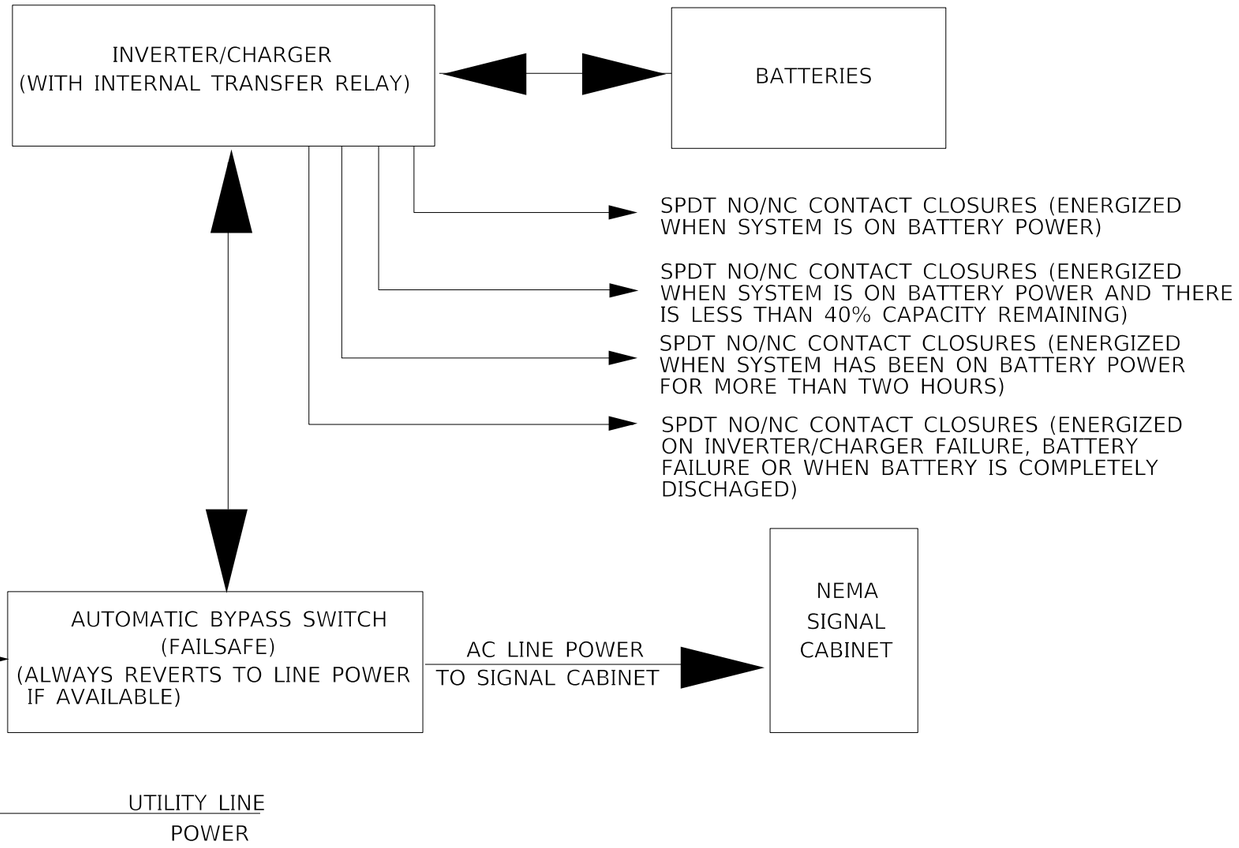
	DRAWN - TJH	REVISED - _____	
PLOT SCALE = 42.756 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

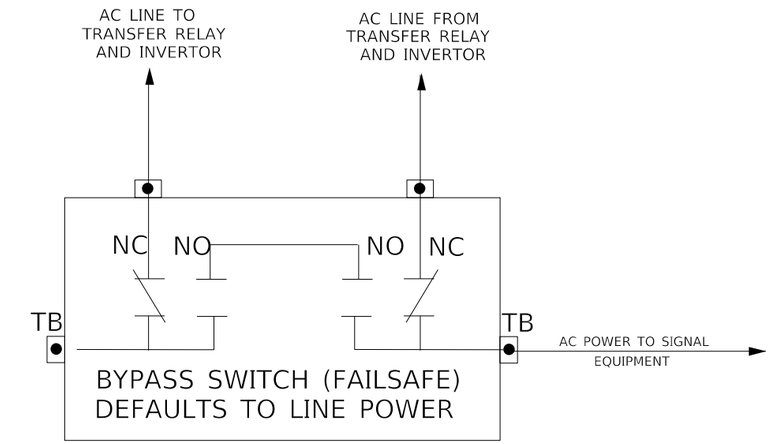
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BATTERY BACKUP SYSTEM CABINET WIRING DIAGRAM

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

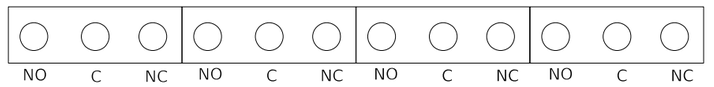
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	33
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		





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.

NOT TO SCALE

MODEL: Default
FILE NAME: \\Central\dot\common\GEN\Transfer - bureau\68E03 - Final Traffic Signal Plans\68E03 -dS 24 & Cameron Lane Traffic Signal Plans (Final 2-15-18).dgn

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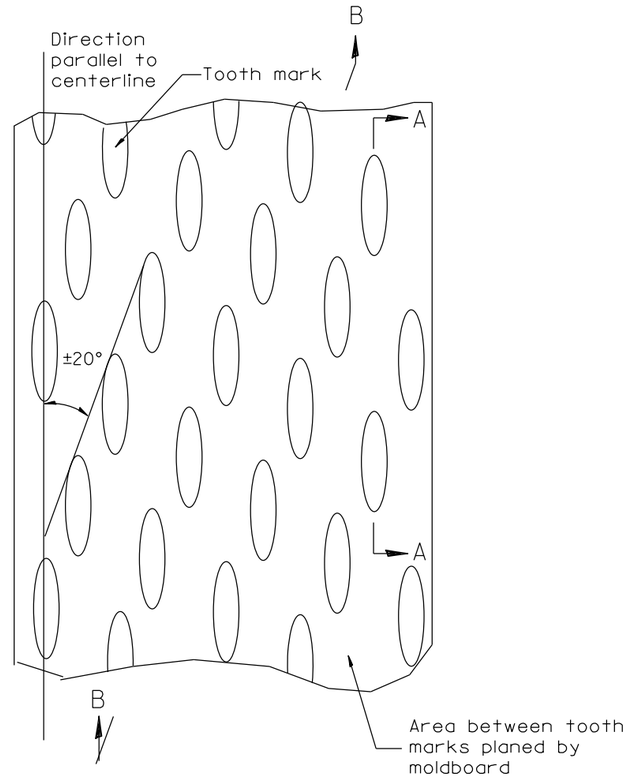
PLOT SCALE = 42.756 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 3/29/2018	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

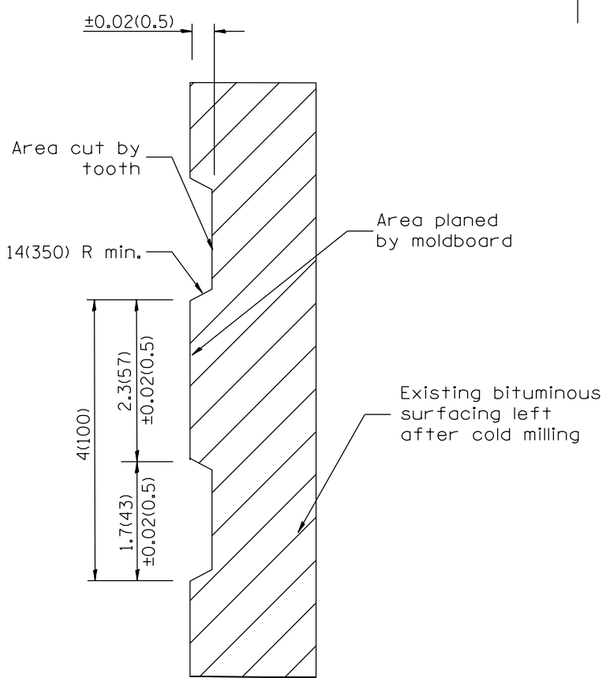
BATTERY BACKUP SYSTEM BLOCK AND BYPASS SWITCH DIAGRAMS

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

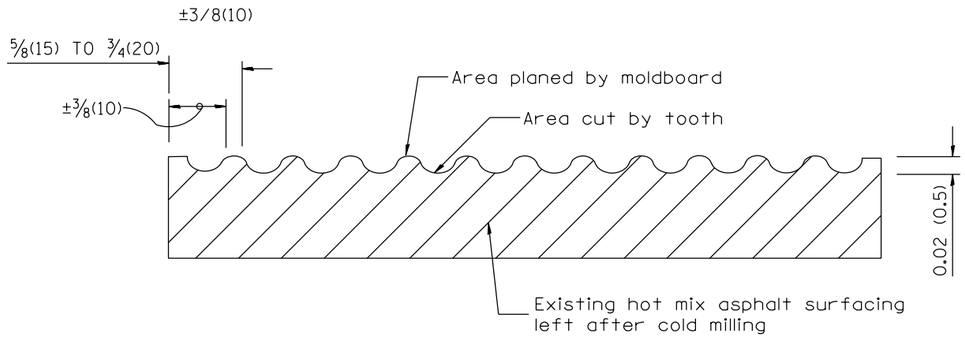
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	34
		CONTRACT NO. 68E03		
	ILLINOIS	FED. AID PROJECT		



PLAN



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

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.

DESIGNER NOTES:
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

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.			

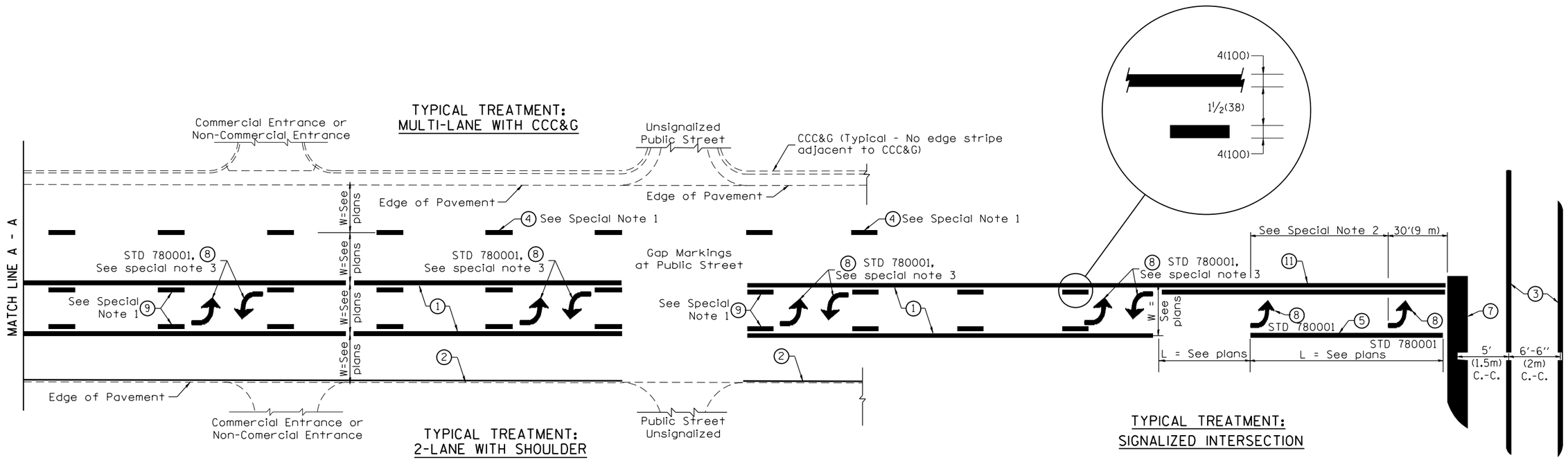
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	35
		CONTRACT NO. 68E03		
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) — 10' (3.05m) / 30' (9.14m) / 10' (3.05m) (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 — 33' (10m) (See Std. 780001 and Special Notes 2 & 3)
9. 4(100) Skip-Dash (Yellow) — 10' (3.05m) / 30' (9.14m) / 10' (3.05m) (See Special Note 1)
10. 12(300) Diagonal (Yellow) (See Table A) — 45°
11. 4(100) Double Solid (Yellow) — 11(280) C.-C. — See Table A

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversly 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)

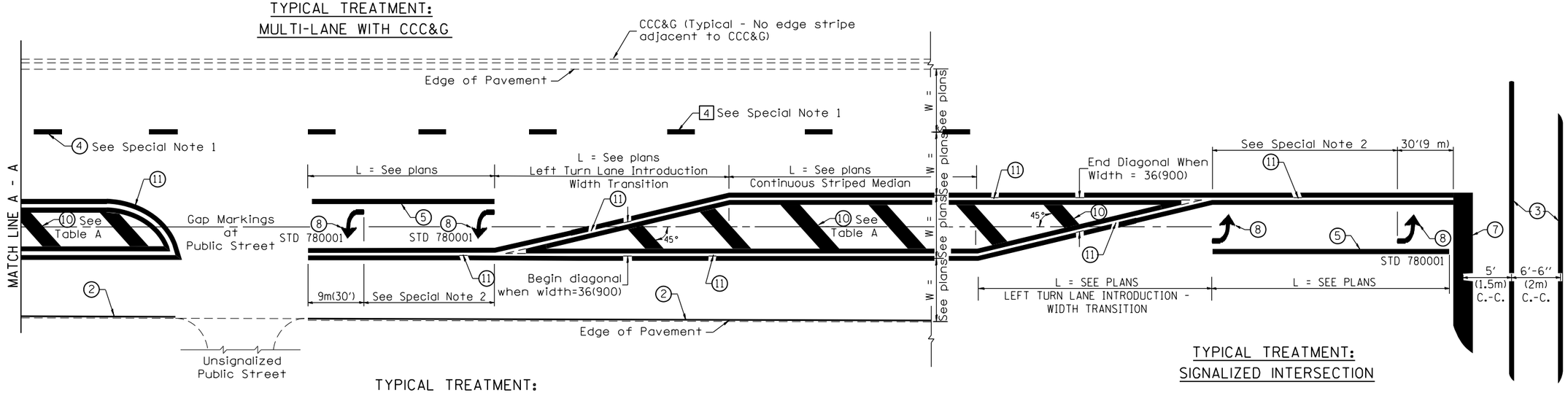
DESIGNER NOTES:
1. Include State Standard 780001 (Typical Pavement Markings)

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

TYPICAL PAVEMENT MARKINGS
NOT TO SCALE
SHT. 1 OF 2
CADD STD. 780001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	36
		CONTRACT NO. 68E03		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



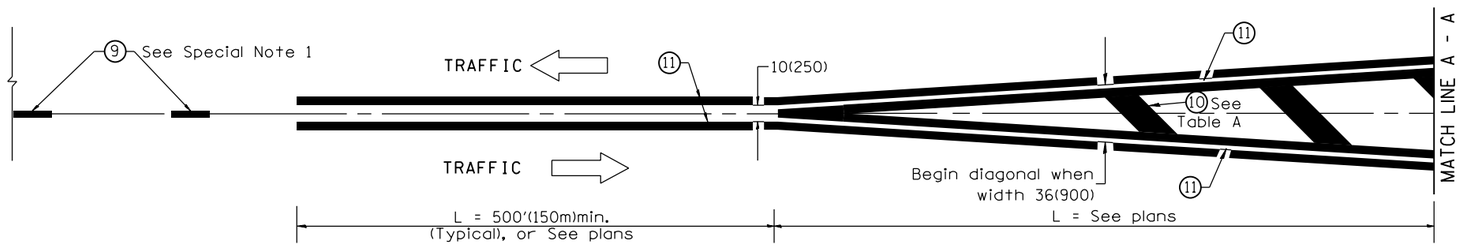
TYPICAL MEDIAN TRANSITIONS

FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A

RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)
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)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 2 OF 2
CADD STD. 780001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	45TS-1	PEORIA	37	37
		CONTRACT NO. 68E03		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		