

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

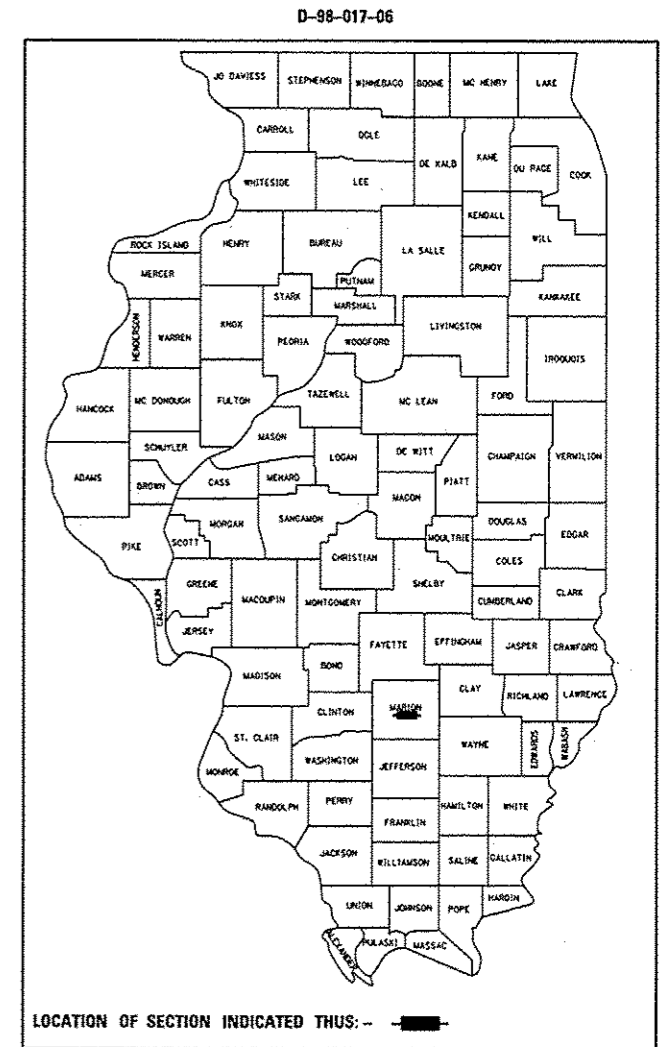
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 327 A (US 50)
SECTION 15BR
PROJECT ACNHF-0327 (064)
STRUCTURE REPLACEMENT
MARION COUNTY

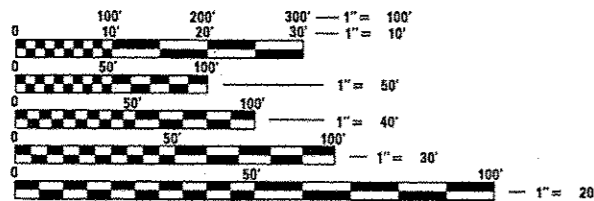
C-98-041-12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	1
		ILLINOIS	CONTRACT NO. 76A23	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

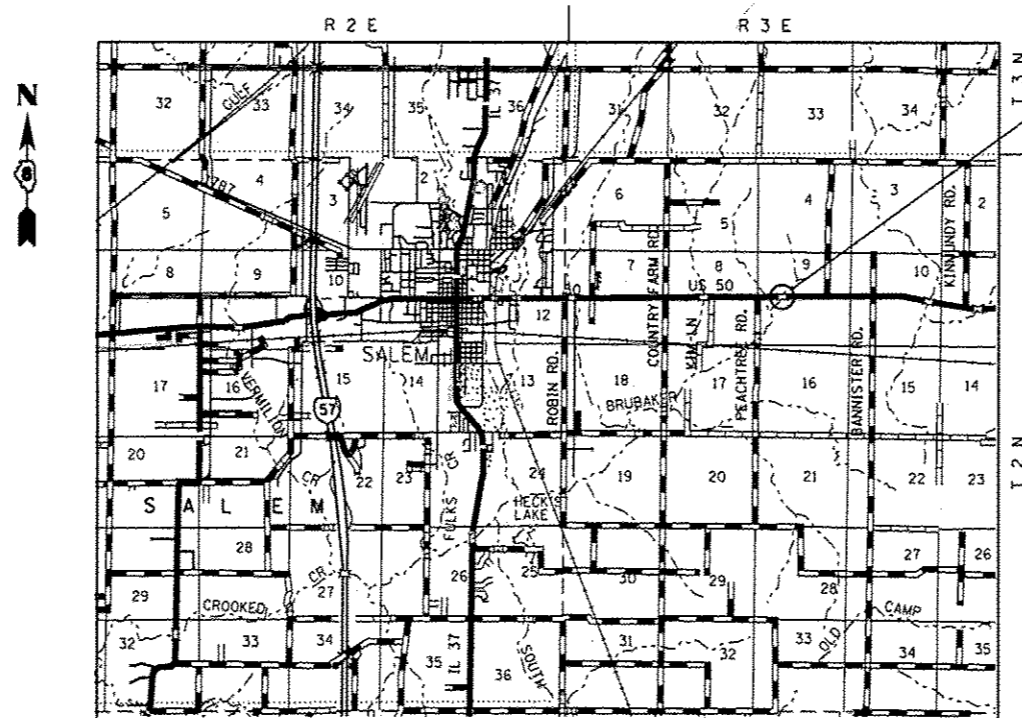


DESIGN DESIGNATION
N/A

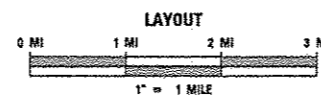


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



PROPOSED SINGLE SPAN SLAB
BRIDGE OVER BRUBAKER CREEK
43'-0" BACK TO BACK OF ABUTMENT
0 DEGREE SKEW STATION 39+39.00
RESURFACING LIMITS:
BEGIN STA. 36+90.00
END STA. 42+00.00



GROSS LENGTH = 43 FT. = 0.008 MILE
NET LENGTH = 43 FT. = 0.008 MILE

LATITUDE: 38.62808
LONGITUDE: -88.87883

PROJECT ENGINEER: BILLIE OWEN (618) 346-3209
SQUAD CONTACT: JON DINTELMAN (618) 346-3195

CONTRACT NO. 76A23

2012 ADT 5200
2022 ADT 5700
SU = 4.9%
MU = 11.2%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Aug 14 2015*

John D. Baranzoni, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

John D. Baranzoni, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Cher Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

INDEX OF SHEETS

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GENERAL NOTES

1. ALL ELEVATIONS REFER TO THE USGS MEAN SEA LEVEL DATUM.
2. THE THICKNESS OF THE BINDER COURSE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BINDER COURSE IS PLACED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
4. A QUANTITY OF 1312.5 FOOT OF "TEMPORARY PAVEMENT MARKING - LINE 6" WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.
5. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
* AT&T ILLINOIS	X	X
* RACCOON WATER COMPANY		X
* TRI-COUNTY ELECTRIC COOP., INC.	X	
* WINDSTREAM KDL, INC.		X

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

6. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
7. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR I.T.S. UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
8. THE WIDTH OF THE EXISTING PAVEMENT TO BE RESURFACED IS THE NOMINAL WIDTH. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE PAVEMENT WIDTH.
9. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTORS EXPENSE.
10. THE COST OF "BARRICADES, TYPE III" USED DURING CONSTRUCTION SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321".
11. CONFLICTS ON THE PLANS MAY OCCUR BETWEEN THE ROADWAY PLANS AND RIGHT-OF-WAY PLANS. THE RIGHT-OF-WAY PLANS SHALL TAKE PRECEDENCE IN CONFLICTS IN RIGHT-OF-WAY OR EASEMENTS. THE ROADWAY PLANS SHALL TAKE PRECEDENCE IN ITEMS FOR CONSTRUCTION.
12. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE ROADWAY PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS OF RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
13. IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS IN PLACE. UNTIL AN AUTHORIZED ILLINOIS PROFESSIONAL LAND SURVEYOR OR THEIR AGENT, WITH A DEPARTMENT PRE QUALIFICATION IN "SPECIAL SERVICES-LAND SURVEY", HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
14. ANY MONUMENT OR PROPERTY CORNER TO BE SET SHALL BE SET BY AN AUTHORIZED ILLINOIS PROFESSIONAL LAND SURVEYOR OR THEIR AGENT, WITH A DEPARTMENT PRE QUALIFICATION IN "SPECIAL SERVICES-LAND SURVEY".
15. THE RIGHT-OF-WAY, PERMANENT EASEMENTS AND TEMPORARY EASEMENTS SHALL BE STAKED PRIOR TO ANY CONSTRUCTION OPERATIONS. STAKES SHALL BE PLACED SUCH THAT THEY ARE VISIBLE FROM EACH OTHER AND ARE SUFFICIENT SPACING TO DETERMINE THE LOCATION OF THE RIGHT-OF-WAY OR EASEMENT IN ANY LOCATION. THE RIGHT-OF-WAY SHALL BE STAKED BY AN AUTHORIZED ILLINOIS PROFESSIONAL LAND SURVEYOR. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR CONSTRUCTION LAYOUT.
16. THE RIGHT-OF-WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT OF WAY BOUNDARY. THE RIGHT-OF-WAY MARKER SHALL BE A WITNESS TO THE RIGHT OF WAY CORNER, WHICH IS THE PROPERTY PIN.
17. THE RIGHT-OF-WAY CORNER OR PROPERTY PIN IS A 5/8" IRON ROD, THIRTY INCHES (30") IN LENGTH, WITH 100T ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED OR DISTURBED WHEN SETTING THE RIGHT-OF-WAY MARKER AT THE TWELVE INCHES (12") OFFSET.

COMMITMENTS

NO COMMITMENTS

HIGHWAY STANDARDS

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 001001-02 AREAS OF REINFORCEMENT BARS
 001006 DECIMAL OF AN INCH AND OF A FOOT
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
 515001-03 NAME PLATE FOR BRIDGES
 630001-10 STEEL PLATE BEAM GUARDRAIL
 630301-06 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
 631031-13 TRAFFIC BARRIER TERMINAL, TYPE 6
 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
 635011-02 REFLECTOR MOUNTING AND MARKER DETAILS
 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
 701311-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
 701321-14 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
 701901-04 TRAFFIC CONTROL DEVICES
 704001-07 TEMPORARY CONCRETE BARRIER
 780001-05 TYPICAL PAVEMENT MARKINGS
 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
 420401-11 BRIDGE APPROACH PAVEMENT CONNECTOR
 601101-01 CONCRETE HEADWALL FOR PIPE DRAIN

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, STANDARDS AND COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\L11084810107EGIllinois.gov\PI\DOT\Do	\\L11084810107EGIllinois.gov\PI\DOT\Do	\\L11084810107EGIllinois.gov\PI\DOT\Do	\\L11084810107EGIllinois.gov\PI\DOT\Do			327	15BR	MARION	57	2	
						CONTRACT NO. 76A23					
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO	STA.	

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 RURAL 80% FED 20% STATE		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	57190	57190		
50800515	BAR SPLICERS	EACH	340	340		
51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	259	259		
51202305	DRIVING PILES	FOOT	259	259		
51203200	TEST PILE METAL SHELLS	EACH	1	1		
51500100	NAME PLATES	EACH	1	1		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	52	52		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	100	100		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
* 63200310	GUARDRAIL REMOVAL	FOOT	560	560		
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	15	15		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 RURAL 80% FED 20% STATE		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9		
67100100	MOBILIZATION	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	7	7		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1		
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	406	406		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2536	2536		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1312.5	1312.5		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	981	981		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1312.5	1312.5		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1375	1375		

* SPECIALTY ITEM

FILE NAME =	USER NAME = Dmselmanjw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pm\11084EBIDINTE\Illinois.gov\PI00T\Do	uments\DOT Office\District 0\Projects\ad	70400200	REVIS	SCALE:	SHEET OF SHEETS STA. TO STA.	327	15BR	MARION	57	4
	PLOT SCALE = 1/80.0000 / 1 in	CHECKED -	REVISED -	CONTRACT NO. 76A23						
	PLOT DATE = 8/13/2015	DATE -	REVISED -	ILLINOIS FED. AID PROJECT						

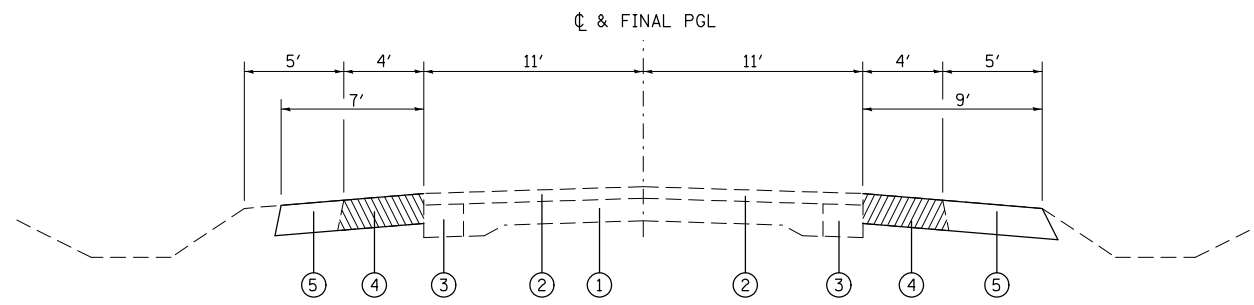
SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 RURAL 80% FED 20% STATE		
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	75	75		
70500615	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2	2		
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2		
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4		
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2536	2536		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	14	14		
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	4	4		
* 78200520	BARRIER WALL MARKERS, TYPE B	EACH	2	2		
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	2	2		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	846	846		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 RURAL 80% FED 20% STATE		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	14	14		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	841	841		
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	83	83		
X7010202	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	L SUM	1	1		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	303	303		
X7200200	WIDE LOAD SIGNING	L SUM	1	1		
Z0026407	TEMPORARY SHEET PILING	SQ FT	426	426		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	104	104		
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	3	3		

* SPECIALTY ITEM

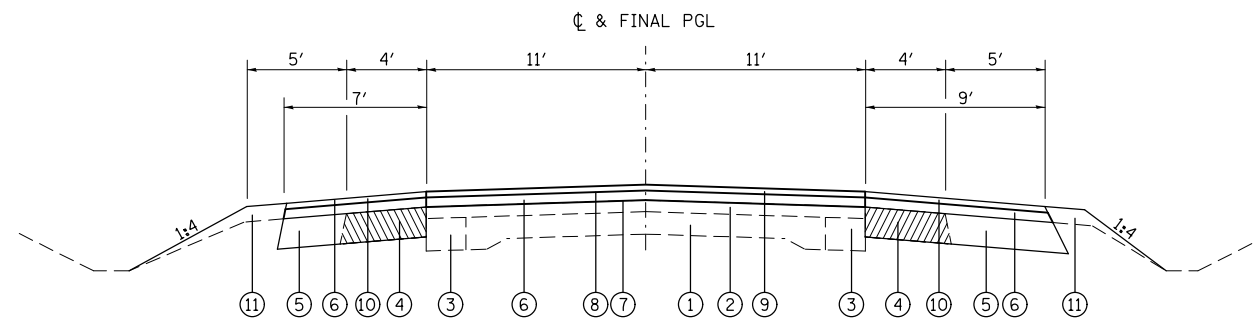
FILE NAME =	USER NAME = DntelmerJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
pm\NL084EBIDINTEG\11\moss.gov\PI00T\Documents\DOT Offices\District 01\Projects\ad070R\DWGData\CAD\sheet\0876423-ah1-500.dwg	70R\DWGData\CAD\sheet\0876423-ah1-500.dwg	CHECKED -	REVISED -	SCALE:	SHEET OF SHEETS STA. TO STA.
PLOT SCALE = 1/8" = 1' / 1/2"	DATE -	REVISED -		F.A.P. RTE. 327	SECTION 15BR
PLOT DATE = 8/13/2015				COUNTY MARION	TOTAL SHEETS 57
				ILLINOIS FED. AID PROJECT	SHEET NO. 5
					CONTRACT NO. 76A23



TYPICAL SECTION (US 50)

LEFT
 STA. 35+45.00 TO STA. 36+90.00
 STA. 42+00.00 TO STA. 43+00.00

RIGHT
 STA. 35+80.00 TO STA. 36+90.00
 STA. 39+49.65 TO STA. 42+85.00



TYPICAL SECTION (US 50)

STA. 36+90.00 TO STA. 38+87.42
 STA. 39+90.42 TO STA. 42+00.00

DENOTES REMOVAL

LEGEND

- ① EXISTING CONCRETE PAVEMENT 9-6-9
- ② EXISTING HMA SURFACE 3.5" ±
- ③ EXISTING BASE COURSE WIDENING
- ④ EXISTING HMA SHOULDER, 9" TBR
- ⑤ PROPOSED HMA BASE COURSE, 9"
- ⑥ PROPOSED BINDER COURSE VARIES 1" TO 8 1/4"
- ⑦ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑧ PROPOSED BITUMINOUS MATERIALS (FOG COAT)
- ⑨ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑩ PROPOSED HMA SHOULDERS
- ⑪ PROPOSED EARTH SHOULDER

MIXTURE REQUIREMENT

MIXTURE USE	SURFACE COURSE	BASE COURSE	BINDER COURSE	HOT-MIX ASPHALT SHOULDERS < 2.25"	HOT-MIX ASPHALT SHOULDERS ≥ 2.25"
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROV	SEE SPECIAL PROV	SEE SPECIAL PROV	SEE SPECIAL PROV	SEE SPECIAL PROV
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION)	IL 19.0	IL 19.0	IL 19.0	IL 19.0	IL 9.5
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "B"		
QUALITY MGMT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

PROPOSED HMA BINDER AND SURFACE COURSE THICKNESS									
STATION	CTR. LINE ELEVATION		HMA BINDER COURSE (FOOT)	HMA SURFACE COURSE (FOOT)	STATION	CTR. LINE ELEVATION		HMA BINDER COURSE (FOOT)	HMA SURFACE COURSE (FOOT)
	EXISTING	PROPOSED				EXISTING	PROPOSED		
36+90.00	517.65	517.65	0	0.125	39+90.42	517.55	518.13	0.455	0.125
37+00.00	517.65	517.69	0	0.125	40+00.00	517.56	518.12	0.435	0.125
37+10.00	517.65	517.73	0	0.125	40+10.00	517.56	518.10	0.415	0.125
37+20.00	517.65	517.77	0	0.125	40+20.00	517.57	518.09	0.395	0.125
37+30.00	517.65	517.81	0.035	0.125	40+30.00	517.57	518.07	0.375	0.125
37+40.00	517.65	517.85	0.075	0.125	40+40.00	517.58	518.05	0.345	0.125
37+50.00	517.65	517.87	0.095	0.125	40+50.00	517.58	518.03	0.325	0.125
37+60.00	517.65	517.89	0.115	0.125	40+60.00	517.59	518.01	0.295	0.125
37+70.00	517.64	517.91	0.145	0.125	40+70.00	517.59	517.99	0.275	0.125
37+80.00	517.63	517.93	0.175	0.125	40+80.00	517.60	517.97	0.245	0.125
37+90.00	517.63	517.95	0.195	0.125	40+90.00	517.59	517.95	0.235	0.125
38+00.00	517.62	517.97	0.225	0.125	41+00.00	517.57	517.93	0.235	0.125
38+10.00	517.61	517.99	0.255	0.125	41+10.00	517.56	517.91	0.225	0.125
38+20.00	517.60	518.01	0.285	0.125	41+20.00	517.55	517.88	0.205	0.125
38+30.00	517.60	518.03	0.305	0.125	41+30.00	517.54	517.84	0.175	0.125
38+40.00	517.59	518.05	0.335	0.125	41+40.00	517.52	517.8	0.155	0.125
38+50.00	517.58	518.07	0.365	0.125	41+50.00	517.51	517.76	0.125	0.125
38+60.00	517.56	518.09	0.405	0.125	41+60.00	517.50	517.71	0.085	0.125
38+70.00	517.55	518.11	0.435	0.125	41+70.00	517.51	517.67	0.035	0.125
38+80.00	517.53	518.12	0.465	0.125	41+80.00	517.52	517.63	0	0.125
38+87.42	517.52	518.13	0.485	0.125	41+90.00	517.53	517.58	0	0.125

EARTHWORK SCHEDULE						
STA	TO	STA	UNADJUSTED EXCAVATION	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE	FURNISHED EXCAVATION	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
			807	(CU YD)	(CU YD)	(CU YD)
35+60.00	TO	35+80.00	4.1	3.1	0.6	2.5
35+80.00	TO	36+00.00	5.9	4.4	1.1	3.3
36+00.00	TO	36+20.00	6.0	4.5	1.0	3.5
36+20.00	TO	36+40.00	6.1	4.6	1.0	3.6
36+40.00	TO	36+60.00	6.1	4.6	1.5	3.1
36+60.00	TO	36+80.00	6.0	4.5	1.8	2.7
36+80.00	TO	37+00.00	5.8	4.4	1.7	2.7
37+00.00	TO	37+20.00	5.3	4.0	2.5	1.5
37+20.00	TO	38+00.00	13.9	10.4	45.4	-35.0
38+00.00	TO	38+20.00	16.2	12.2	61.7	-49.5
38+20.00	TO	38+40.00	1.5	1.1	23.3	-22.2
38+40.00	TO	38+60.00	1.2	0.9	25.8	-24.9
38+60.00	TO	38+80.00	0.7	0.5	28.6	-28.1
38+80.00	TO	39+00.00	0.3	0.2	25.0	-24.8
39+00.00	TO	39+20.00	0.0	0.0	41.1	-41.1
39+20.00	TO	39+40.00	0.0	0.0	31.4	-31.4
39+40.00	TO	39+60.00	0.0	0.0	25.7	-25.7
39+60.00	TO	39+80.00	0.1	0.1	67.9	-67.8
39+80.00	TO	40+00.00	0.5	0.4	59.8	-59.4
40+00.00	TO	40+20.00	0.8	0.6	33.2	-32.6
40+20.00	TO	40+40.00	1.2	0.9	29.5	-28.6
40+40.00	TO	40+60.00	1.7	1.3	28.8	-27.5
40+60.00	TO	40+80.00	2.0	1.5	28.5	-27.0
40+80.00	TO	41+00.00	2.4	1.8	21.4	-19.6
41+00.00	TO	41+20.00	2.6	2.0	9.9	-7.9
41+20.00	TO	41+40.00	2.8	2.1	3.1	-1.0
41+40.00	TO	41+60.00	3.3	2.5	1.7	0.8
41+60.00	TO	41+80.00	4.1	3.1	1.4	1.7
41+80.00	TO	42+00.00	5.3	4.0	0.9	3.1
42+00.00	TO	42+20.00	6.0	4.5	0.5	4.0
SUB-TOTAL =			111.9	84.2	605.8	-521.6
TOTAL =			112	84	606	-522

TEMP. RAMP BINDER THICKNESS					
STATION	EXISTING CL ELEV.	PAVEMENT SLOPE 3/16"/FT	EXIST. ELEV. 1' RT OF CL	TEMPORARY RAMP ELEVATION 1' RT OF CL	TEMP. RAMP THICKNESS
37+25.00	517.65	0.0156	517.63	517.65	0.13
37+30.00	517.65	0.0156	517.63	517.69	0.13
37+40.00	517.65	0.0156	517.63	517.78	0.24
37+50.00	517.65	0.0156	517.63	517.88	0.25
37+60.00	517.65	0.0156	517.63	517.97	0.34
37+70.00	517.64	0.0156	517.62	518.06	0.44
37+80.00	517.63	0.0156	517.61	518.15	0.54
37+90.00	517.63	0.0156	517.61	518.24	0.63
38+00.00	517.62	0.0156	517.60	518.33	0.73
38+10.00	517.61	0.0156	517.59	518.41	0.82
38+20.00	517.60	0.0156	517.58	518.49	0.91
38+30.00	517.60	0.0156	517.58	518.56	0.98
38+40.00	517.59	0.0156	517.57	518.62	1.05
38+50.00	517.58	0.0156	517.56	518.68	1.12
38+60.00	517.56	0.0156	517.54	518.73	1.19
38+70.00	517.55	0.0156	517.53	518.77	1.24
38+80.00	517.53	0.0156	517.51	518.81	1.30
38+90.00	517.52	0.0156	517.50	518.84	1.34
39+00.00	517.50	0.0156	517.48	518.86	1.38
39+10.00	517.49	0.0156	517.47	518.88	1.41
39+20.00	517.48	0.0156	517.46	518.89	1.43
39+28.13	517.48	0.0156	517.46	518.89	1.43

TEMP. RAMP BINDER THICKNESS					
STATION	EXISTING CL ELEV.	PAVEMENT SLOPE 3/16"/FT	EXIST. ELEV. 1' RT OF CL	TEMPORARY RAMP ELEVATION 1' RT OF CL	TEMP. RAMP THICKNESS
39+49.65	517.48	0.0156	517.46	518.89	1.43
39+50.00	517.48	0.0156	517.46	518.89	1.43
39+60.00	517.50	0.0156	517.48	518.89	1.41
39+70.00	517.51	0.0156	517.49	518.89	1.40
39+80.00	517.53	0.0156	517.51	518.87	1.36
39+90.00	517.54	0.0156	517.52	518.85	1.33
40+00.00	517.55	0.0156	517.53	518.82	1.29
40+10.00	517.56	0.0156	517.54	518.78	1.24
40+20.00	517.56	0.0156	517.54	518.73	1.19
40+30.00	517.57	0.0156	517.55	518.67	1.12
40+40.00	517.57	0.0156	517.55	518.61	1.06
40+50.00	517.58	0.0156	517.56	518.54	0.98
40+60.00	517.58	0.0156	517.56	518.46	0.90
40+70.00	517.59	0.0156	517.57	518.37	0.80
40+80.00	517.59	0.0156	517.57	518.28	0.71
40+90.00	517.60	0.0156	517.58	518.17	0.59
41+00.00	517.57	0.0156	517.55	518.07	0.52
41+10.00	517.56	0.0156	517.54	517.96	0.42
41+18.64	517.55	0.0156	517.53	517.86	0.33
41+30.00	517.54	0.0156	517.52	517.75	0.23
41+40.00	517.52	0.0156	517.50	517.65	0.15
41+50.00	517.51	0.0156	517.49	517.54	0.05

MAINLINE RESURFACING SCHEDULE								
LOCATION			BITUMINOUS MATERIALS (PRIME COAT)			HMA BINDER COURSE		HMA SURFACE COURSE MIX D, N 70
			PRE-STAGE	STAGE I	POST-STAGE	PRE-STAGE	STAGE I	
STA.	TO	STA.	(POUND)	(POUND)	(POUND)	(TON)	(TON)	
36+90.00	TO	38+87.42	378.60	173.85	386.25	251.32	54.40	
39+90.42	TO	42+00.00	567.85	184.85	410.70	254.90	57.79	
TOTAL			946.45	358.70	796.95	506.22	112.19	
			2102			619		84

*ADDITIONAL QUANTITY IN SHOULDER SCHEDULE

SHOULDER SCHEDULE						
LOCATION			PAVED SHOULDER REMOVAL	BIT, MAT'L S (PRIME COAT)	HMA BASE COURSE, 9"	HOT-MIX ASPHALT SHOULDERS
STA.	TO	STA.	(SQ YD)	(POUNDS)	(SQ YD)	(TON)
EASTBOUND US 50						
35+80	TO	39+28	154.67	156.60	348.00	29.23
39+48	TO	42+85	149.78	151.65	337.00	28.31
WESTBOUND US 50						
35+45	TO	39+28	170.22	134.05	297.89	25.02
39+48	TO	43+00	156.44	123.20	273.78	23.00
TOTAL			632	566	1257	106

REMOVAL SCHEDULE			
LOCATION		PAVEMENT REMOVAL 12" DEPTH	HMA SURFACE REMOVAL, VARIABLE DEPTH
STATION TO	STATION	SQ YD	SQ YD
AT STRUCTURE			
38+87.42	TO 39+28.15	99.56	
39+49.66	TO 39+90.42	99.64	
TEMP. RAMP			
37+35.00	TO 39+28.00		407.44
39+49.66	TO 41+55.00		432.78
TOTAL =		200	841

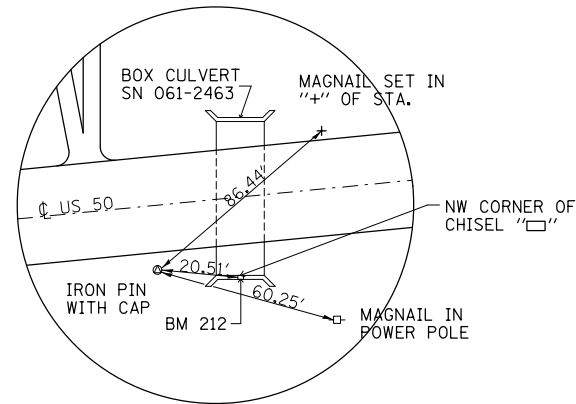
TEMP. RAMP/BUTT JOINT SCHEDULE		
LOCATION	TEMPORARY RAMP	HMA SURFACE REMOVAL - BUTT JOINT
STATION	SQ YD	SQ YD
36+90	12.22	73.33
37+35		11.11
38+87	12.22	
39+90	12.22	
41+55		11.11
42+00	12.22	73.33
TOTAL		169

RIGHT OF WAY MARKERS		
STATION	OFFSET	QUANTITY
1085+58.22	55.59	1
1085+59.17	60.41	1
1088+52.25	60.44	1
1094+22.30	61.35	1
1095+05.03	65.51	1
1098+76.42	69.9	1
1098+76.46	59.45	1
1102+80.00	70.38	1
1103+05.08	64.38	1
1104+37.78	70.91	1
1104+37.79	60.18	1
1108+21.63	59.77	1
1111+76.93	60.08	1
1112+24.63	59.94	1
1112+66.93	60.05	1
TOAL QUANTITY		15

STAGING SCHEDULE							
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	TEMPORARY RUMBLE STRIP	TEMPORARY BRIDGE TRAFFIC SIGNALS
	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH
SN 061-0093							
PRE-STAGE II	675			2			
STAGE I	637.5	675	303	2	2		
STAGE II		700			2		
STAGE I & II						6	1
TOTAL	1312.5	1375	303	4	4	6	1

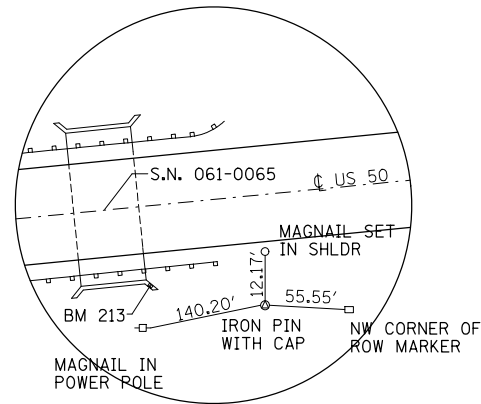
PAVEMENT MARKING SCHEDULE													
LOCATION			THERMOPLASTIC PVMT MARKING - LINE 4"			RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER 2-WAY AMBER	SHORT TERM PVMT MARKING	TEMPORARY PVMT MARKING - LINE 4"			PAVEMENT MARKING REMOVAL	WORK ZONE PAVEMENT MARKING REMOVAL
		CENTERLINE SKIP-DASH YELLOW	EDGE LINE WHITE		PAVEMENT MARKER REMOVAL	PAVEMENT MARKER 2-WAY AMBER	PVMT MARKING	CENTERLINE SKIP-DASH YELLOW		EDGE LINE WHITE		PAVEMENT MARKING REMOVAL	WORK ZONE PAVEMENT MARKING REMOVAL
STA.	TO STA.	FOOT	FOOT	FOOT				FOOT	FOOT	FOOT	FOOT		
33+71.91	TO 44+98.97	282	1127	1127	14	14	406	282	1127	1127	846	981	
TOTAL =		2536			14	14	406	2536			846	981	

GUARDRAIL SCHEDULE												
LOCATION	SIDE	GUARDRAIL REMOVAL	TEMP. SPBGR, TYPE A 6' POSTS	TEMP. TRAFFIC BARRIER TERMINAL, TYPE 1	TEMP. TRAFFIC BARRIER TERMINAL, TYPE 6	SPBGR, TYPE A 6' POSTS	TRAFFIC BARRIER TERMINAL TYPE 1, (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 6	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL MARKERS, TYPE A	BARRIER WALL MARKERS	
STATION	LT/RT	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	TYPE B EACH	TYPE C EACH
37+59	RT						1		1			
37+63	LT	165		1								
37+97	LT											
38+09	RT					50				2		
38+09	LT						1		1			
38+13	RT	115										
38+47	LT		37.5									
38+59	RT							1				
38+59	LT							1				
38+85	LT				1							
39+29	LT										1	1
39+49	RT										1	1
39+51	LT	165			1			1				
39+51	RT	115						1				
39+95	LT					50				2		
39+95	LT		37.5				1		1			
40+33	LT			1								
40+45	RT						1		1			
TOTALS		560	75	2	2	100	4	4	4	4	2	2



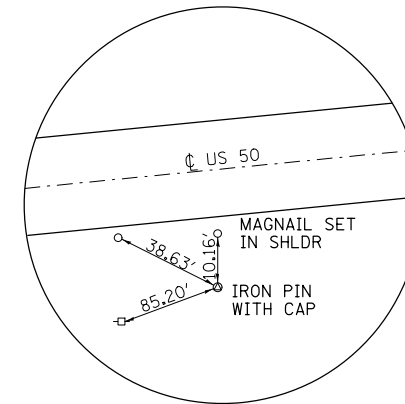
CONTROL POINT 311

N. 14,669.6212
E. 127,649.0831



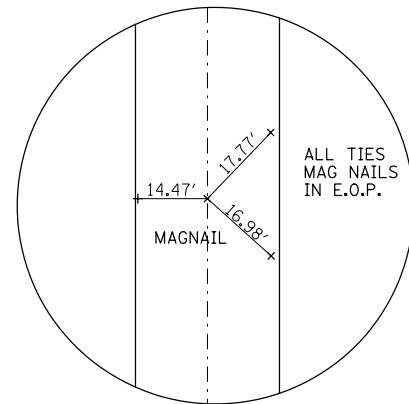
CONTROL POINT 312

N. 14,666.6451
E. 128,558.3896

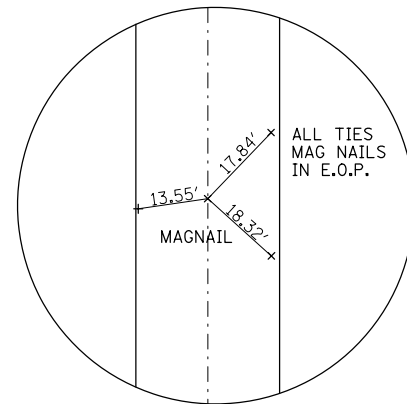


CONTROL POINT 313

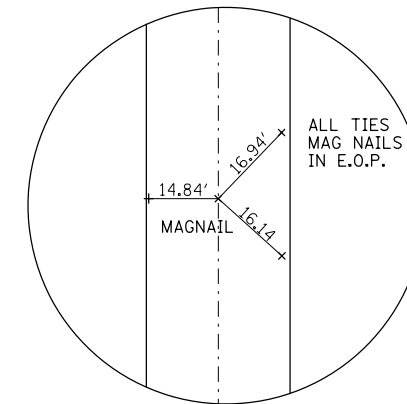
N. 14,673.9902
E. 129,701.9853



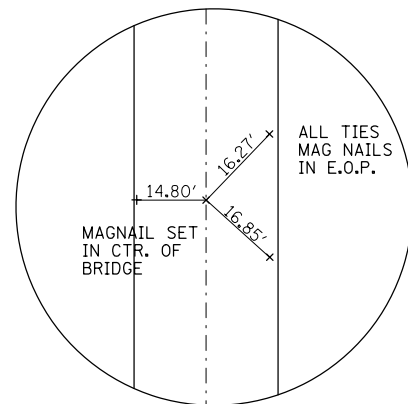
EXISTING ALIGNMENT - P.T. STATION 1106+01.80



EXISTING ALIGNMENT - P.I. STATION 1103+48.36



EXISTING ALIGNMENT - P.I. STATION 1100+94.91



EXISTING ALIGNMENT - P.I. STATION 1100+61.00

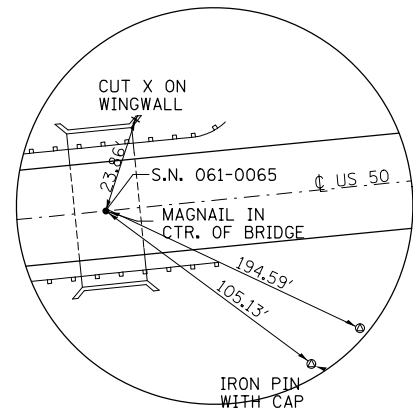
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

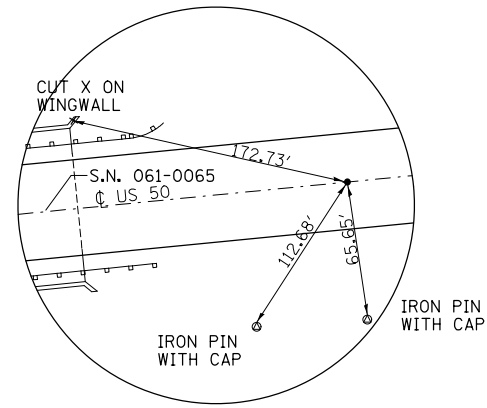
TIES & BENCHMARKS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

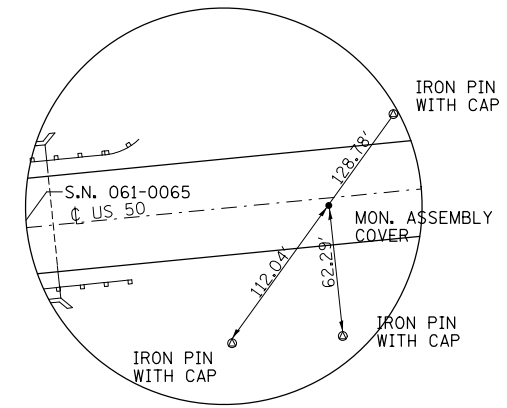
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	9
CONTRACT NO. 76A23				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



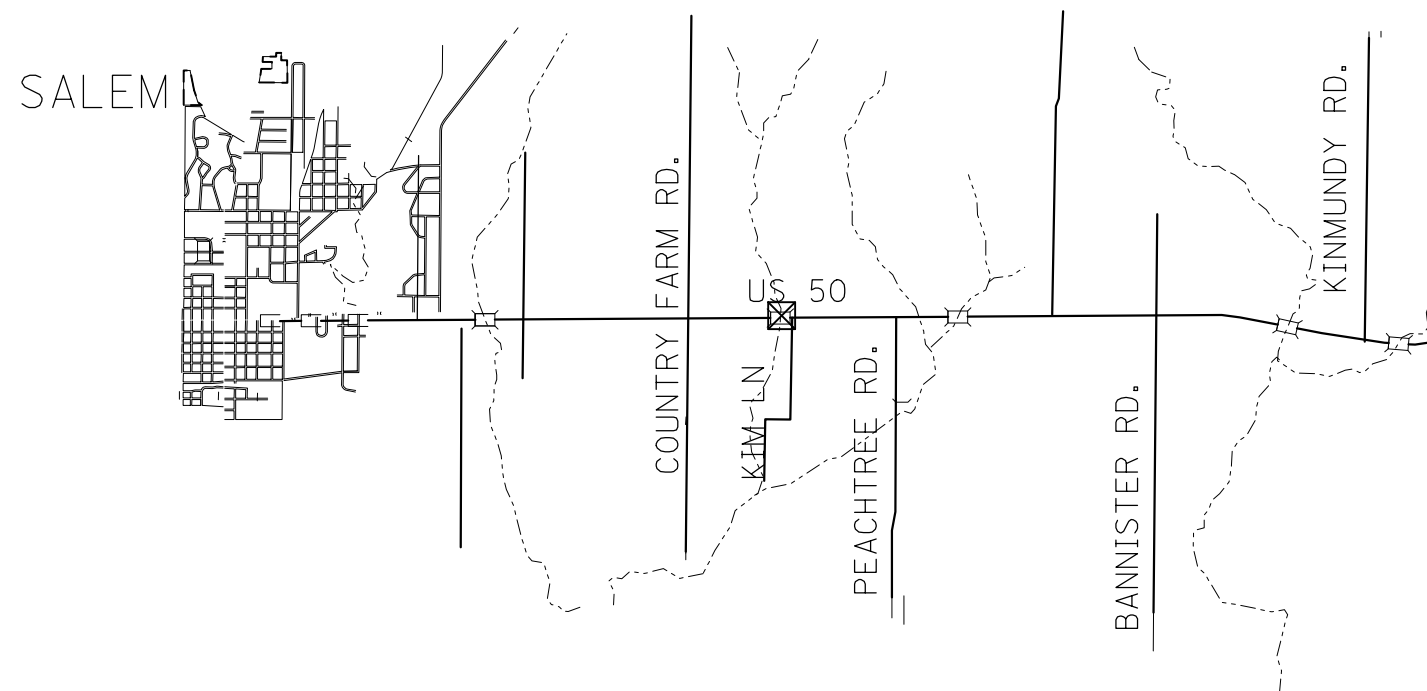
MAGNAIL IN APPARENT
CTR. OF BRIDGE



BRONZE DISK
ON CTR. LINE



MON. ASSEMBLY COVER
OVER POSSIBLE SEC. CORNER
SEC. 9-2N-3E



☒ - SURVEY MONUMENT COVER ASSEMBLY - 3 EACH

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\ed07\DRAWING\DATA\CADsheets\D876A23-sht-ATB.dgn		CHECKED -	REVISED -
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	PLOT DATE = 8/13/2015		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

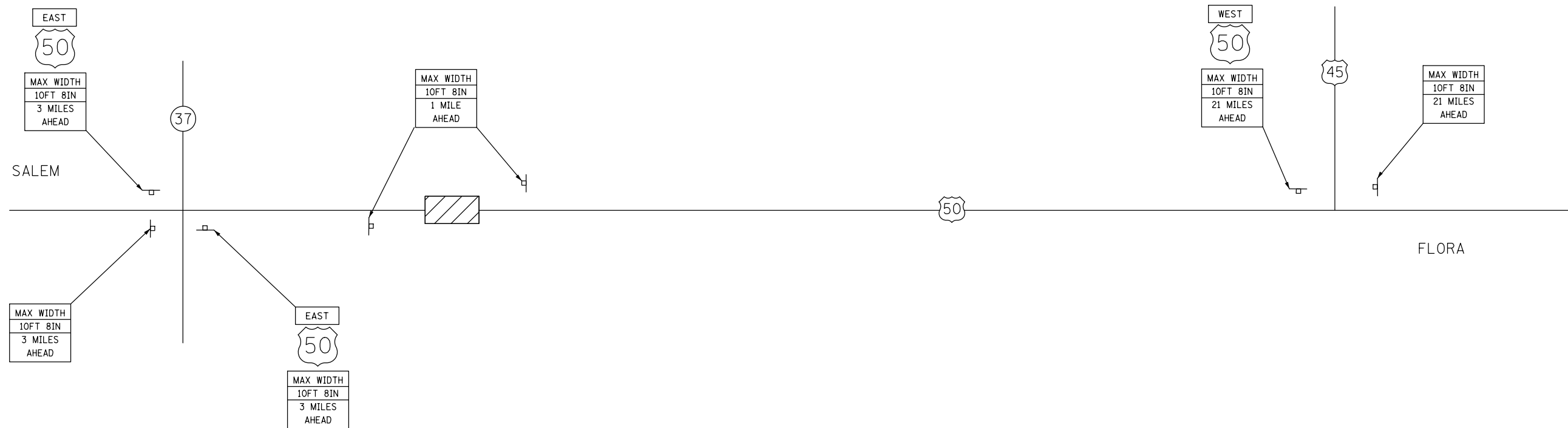
SURVEY MONUMENT ASSEMBLY COVER

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	10
CONTRACT NO. 76A23				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOTES:

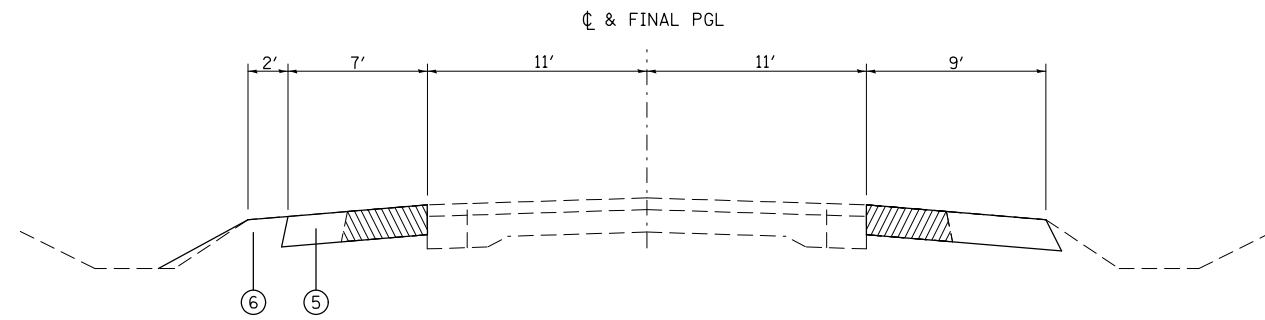
1. ALL SIGNS REQUIRED WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T.
2. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY R.E./R.T. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HEIGHTS, AND SHALL RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE AT (618)394-2189.
4. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR WIDE LOAD SIGNING AND NO OTHER COMPENSATION WILL BE ALLOWED.
5. SIGN SPACING WILL BE 400' OR TO FIT FIELD CONDITIONS.
6. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.



SIGNS REQUIRED

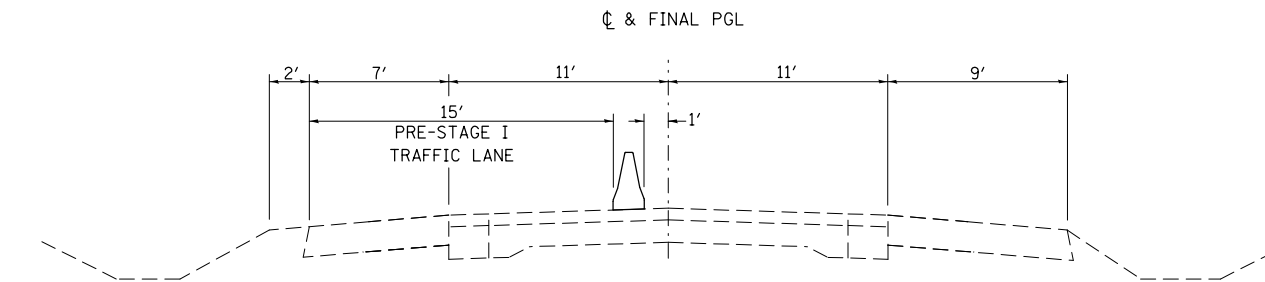
MAX WIDTH 10FT 8IN 1 MILE AHEAD	(2)	WEST	(1)
MAX WIDTH 10FT 8IN 3 MILES AHEAD	(3)	EAST	(2)
MAX WIDTH 10FT 8IN 21 MILES AHEAD	(2)	50	(3)

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIDE LOAD SIGNING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		SCALE: NONE			SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 76A23	
PLOT DATE = 8/13/2015								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



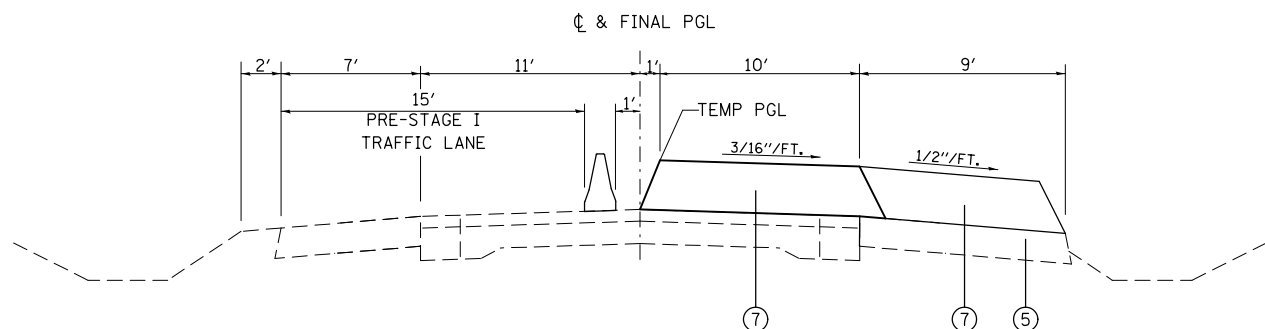
TYPICAL: PRE-STAGE I CONSTRUCTION

STA. 35+45.00 (LT) TO STA. 39+28.13 (LT)
 STA. 39+49.65 (LT) TO STA. 43+00.00 (LT)
 STA. 35+80.00 (RT) TO STA. 37+35.00 (RT)
 STA. 41+55.00 (RT) TO STA. 42+85.00 (RT)



TYPICAL: PRE-STAGE II CONSTRUCTION

STA. 35+45.00 TO STA. 42+85.00



TYPICAL: PRE-STAGE CONSTRUCTION

STA. 37+35.00 TO STA. 39+28.13
 STA. 39+49.65 TO STA. 41+55.00

LEGEND

- ① EXISTING CONCRETE PAVEMENT 9-6-9
- ② EXISTING HMA SURFACE 3.5" ±
- ③ EXISTING BASE COURSE WIDENING
- ④ EXISTING HMA SHOULDER, 9" TBR
- ⑤ PROPOSED HMA BASE COURSE, 9"
- ⑥ PROPOSED EARTH SHOULDER
- ⑦ PROPOSED BINDER COURSE VARIES 1.5" TO 17"
- ⑧ PROPOSED BINDER COURSE VARIES 1" TO 10.5"
- ⑨ PROPOSED HMA SURFACE COURSE 1.5"
- ⑩ PROPOSED HMA SHOULDER 1.5"
- ⑪ PROPOSED AGG. WEDGE, TYPE B

PRE-STAGE I:

REMOVE EXISTING HMA SHOULDERS ON THE NORTH SIDE OF US ROUTE 50 AS SHOWN IN THE PLANS, UTILIZING HIGHWAY STANDARD 701326.
 CONSTRUCT HOT-MIX ASPHALT BASE COURSE, 9" ON NORTH SIDE OF US ROUTE 50 AS SHOWN ON THE STAGING PLANS, UTILIZING HIGHWAY STANDARD 701326.
 REMOVE GUARDRAIL ON THE NORTH SIDE OF THE ROADWAY.
 CONSTRUCT THE EARTH SHOULDERS AND PLACE THE TEMPORARY GUARDRAIL ON THE NORTH SIDE OF US ROUTE 50.
 REMOVE EXISTING HMA SHOULDERS ON THE SOUTH SIDE OF US ROUTE 50 AS SHOWN IN THE PLANS, UTILIZING HIGHWAY STANDARD 701326.
 CONSTRUCT HOT-MIX ASPHALT BASE COURSE, 9" ON SOUTH SIDE OF US ROUTE 50 AS SHOWN ON THE STAGING PLANS, UTILIZING HIGHWAY STANDARD 701326.

PRE-STAGE II:

PLACE STOP BARS AS SHOWN ON THE STAGING PLANS.
 REMOVE CONFLICTING PAVEMENT MARKING BETWEEN STOP BARS.
 PLACE 675 FEET OF TEMPORARY CONCRETE BARRIER AND 2 IMPACT ATTENUATORS, TEMPORARY.
 REMOVE GUARDRAIL ON THE SOUTH SIDE OF US ROUTE 50 AS SHOWN ON THE PLANS.
 CONSTRUCT TEMPORARY 17" SLAB AS DETAILED IN THE BRIDGE PLANS.
 CONSTRUCT THE HMA BINDER COURSE, 9" AND THE VARIABLE DEPTH HMA BINDER COURSE ON THE EASTBOUND LANES AND SHOULDER AS DETAILED ON THE STAGING PLANS. ALL MATERIAL PAID FOR AS HMA BINDER COURSE IL 19.0, N70.
 CONSTRUCT BUTT-JOINTS AT ENDS OF THE VARIABLE DEPTH HMA
 SEE HIGHWAY STANDARD 701321 FOR TRAFFIC CONTROL DETAILS NOT SHOWN ON STAGING PLANS.

STAGE I:

RELOCATE 675 FEET AND PLACE AND ADDITIONAL 37.5' OF TEMPORARY CONCRETE BARRIER AND RELOCATE 2 IMPACT ATTENUATORS, TEMPORARY.
 PLACE 600 FEET OF TEMPORARY CONCRETE BARRIER AND 2 IMPACT ATTENUATORS, TEMPORARY ALONG THE SOUTH EDGE OF ROADWAY.
 CONSTRUCT THE NORTH SIDE OF THE STRUCTURE AS DETAILED IN THE BRIDGE PLANS.
 BUILD UP THE BINDER COURSE TO 1 1/2" BELOW FINAL GRADE ELEVATION AND CONSTRUCT TEMPORARY RAMPS AT BRIDGE.
 SEE STANDARD 701321 FOR TRAFFIC CONTROL DETAILS NOT SHOWN ON STAGING PLANS.

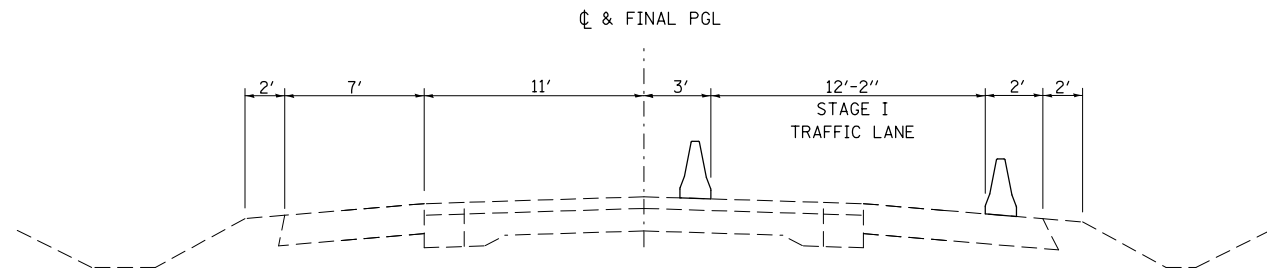
STAGE II:

RELOCATE 700 FEET OF TEMPORARY CONCRETE BARRIER AND 2 IMPACT ATTENUATORS, TEMPORARY.
 REMOVE TEMPORARY GUARDRAIL ON NORTH SIDE OF US 50.
 CONSTRUCT THE SOUTH SIDE OF THE STRUCTURE AS DETAILED IN THE BRIDGE PLANS.
 INSTALL GUARDRAIL FOR STAGE II CONSTRUCTION ACCOUNTING FOR FINAL ROADWAY ELEVATION.
 SEE STANDARD 701321 FOR TRAFFIC CONTROL DETAILS NOT SHOWN ON STAGING PLANS.
 REMOVE THE EXCESS HMA TO 1 1/2" BELOW FINAL GRADE ELEVATION AND CONSTRUCT TEMPORARY RAMPS AT STRUCTURE.
 CONSTRUCT THE EARTH SHOULDERS, FINAL GRADING AND PLACE THE PROPOSED GUARDRAIL ON THE SOUTH SIDE OF US ROUTE 50.

POST STAGE II:

MILL EACH END OF THE PROJECT AS REQUIRED FOR "HMA SURFACE REMOVAL-BUTT JOINT"
 PLACE HMA SURFACE COURSE ACROSS ALL LANES
 TRAFFIC CONTROL AND SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION, STANDARD 701306.
 APPLY PAVEMENT MARKINGS UTILIZING TRAFFIC CONTROL AND PROTECTION, STANDARD 701311.
 PERFORM ANY ADDITIONAL WORK REQUIRED.

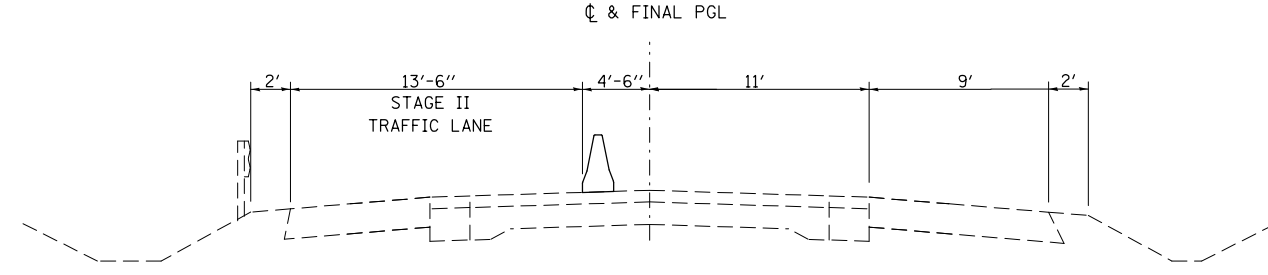
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pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\ed07\Drawings\AD\Sheets\D876A23-sh-t-stages	7	CHECKED -	REVISED -		327	15BR	MARION	57	15			
Default	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 76A23				
	PLOT DATE = 8/13/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



STAGE I CONSTRUCTION

LEFT
 STA. 35+45.00 TO STA. 37+55.00
 STA. 41+55.00 TO STA. 43+00.00

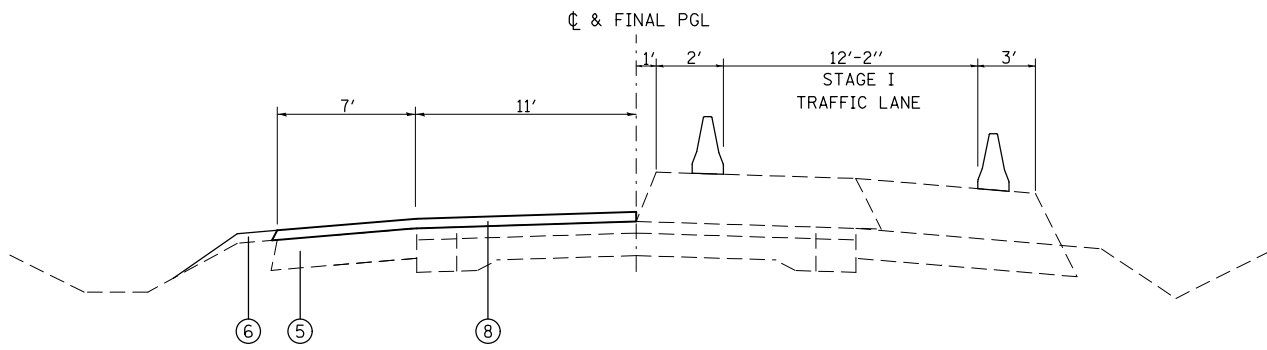
RIGHT
 STA. 35+80.00 TO STA. 37+35.00
 STA. 41+55.00 TO STA. 42+85.00



STAGE II CONSTRUCTION

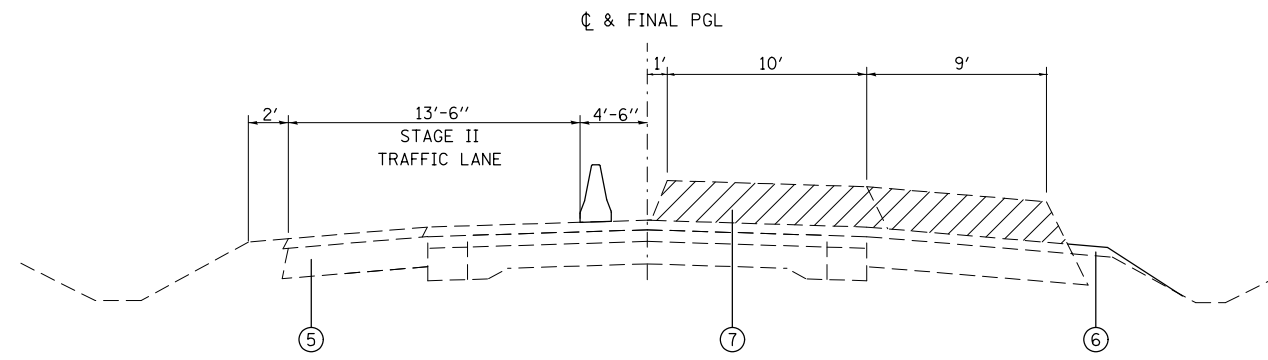
LEFT
 STA. 35+45.00 TO STA. 37+55.00
 STA. 41+55.00 TO STA. 43+00.00

RIGHT
 STA. 35+80.00 TO STA. 37+35.00
 STA. 41+55.00 TO STA. 42+85.00



STAGE I CONSTRUCTION

STA. 37+35.00 TO STA. 39+28.13
 STA. 39+49.65 TO STA. 41+55.00



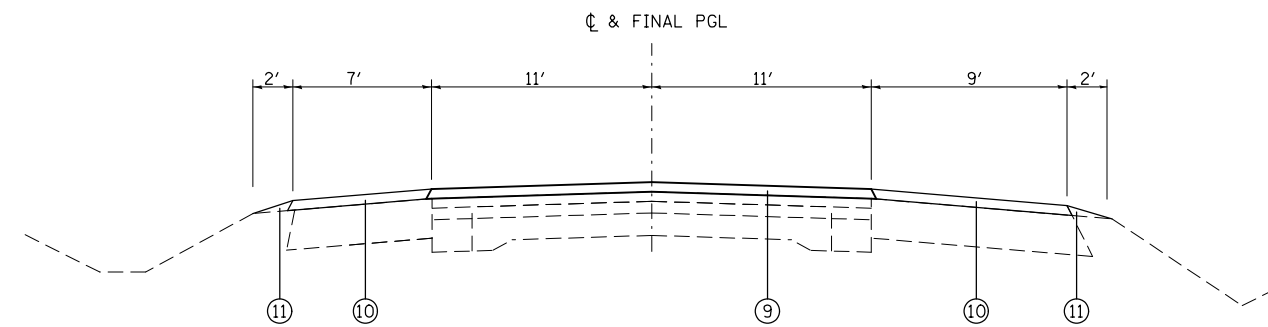
STAGE II CONSTRUCTION

STA. 37+35.00 TO STA. 39+28.13
 STA. 39+49.65 TO STA. 41+55.00

- HMA SURFACE REMOVAL, VARIABLE DEPTH

LEGEND

- ① EXISTING CONCRETE PAVEMENT 9-6-9
- ② EXISTING HMA SURFACE 3.5" ±
- ③ EXISTING BASE COURSE WIDENING
- ④ EXISTING HMA SHOULDER, 9" TBR
- ⑤ PROPOSED HMA BASE COURSE, 9"
- ⑥ PROPOSED EARTH SHOULDER
- ⑦ PROPOSED BINDER COURSE VARIES 1.5" TO 17"
- ⑧ PROPOSED BINDER COURSE VARIES 1" TO 10.5"
- ⑨ PROPOSED HMA SURFACE COURSE 1.5"
- ⑩ PROPOSED HMA SHOULDER 1.5"
- ⑪ PROPOSED AGG. WEDGE, TYPE B



POST STAGE CONSTRUCTION

STA. 37+35.00 TO STA. 39+28.13
 STA. 39+49.65 TO STA. 41+55.00

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\ed07\DRAWING\DATA\ADSheets\D876A23-sh-t-stages		CHECKED -	REVISED -
Default	PLOT DATE = 8/13/2015	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

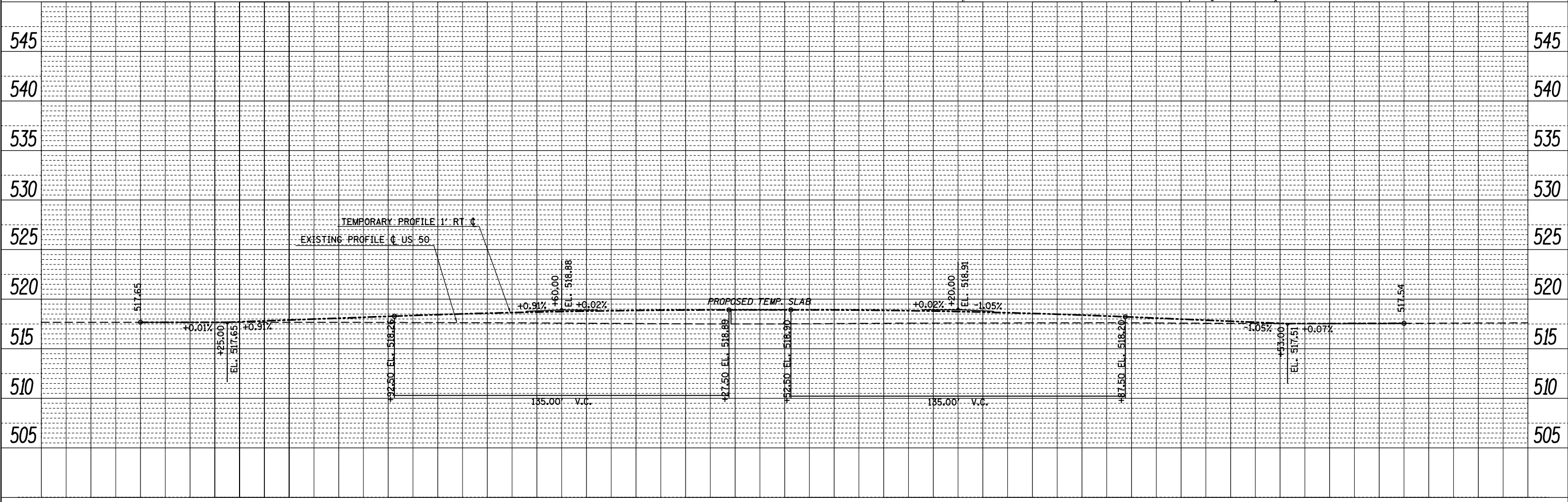
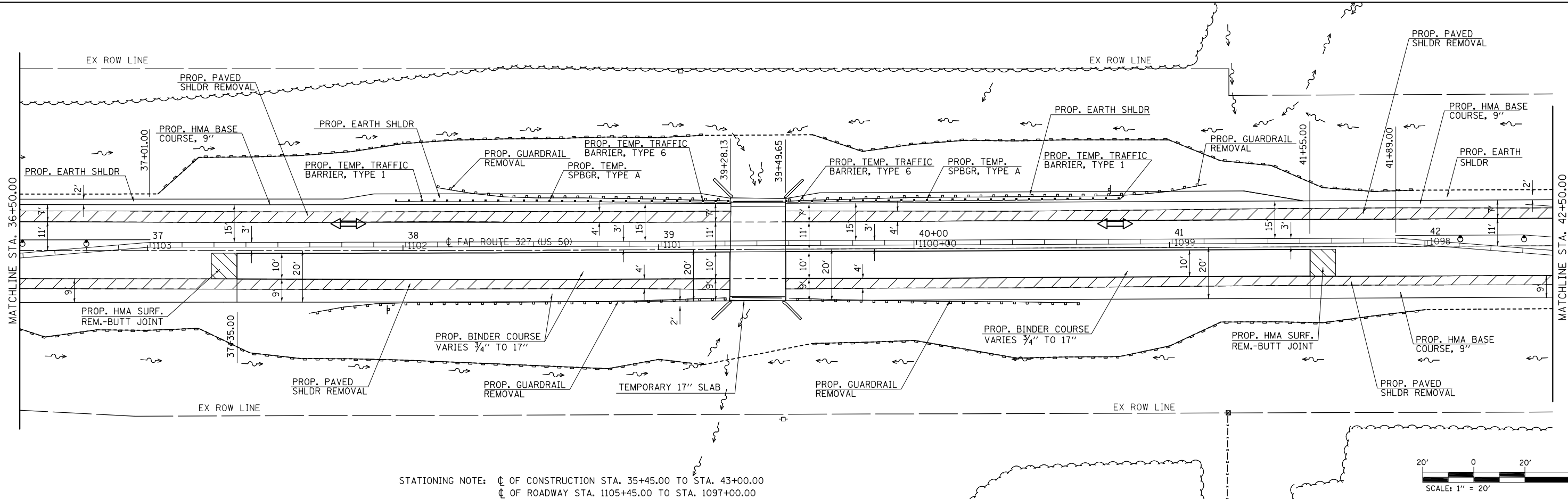
STAGE CONSTRUCTION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76A23	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	ALIGNED	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	ALIGNED	
	CARD FILE NAME	



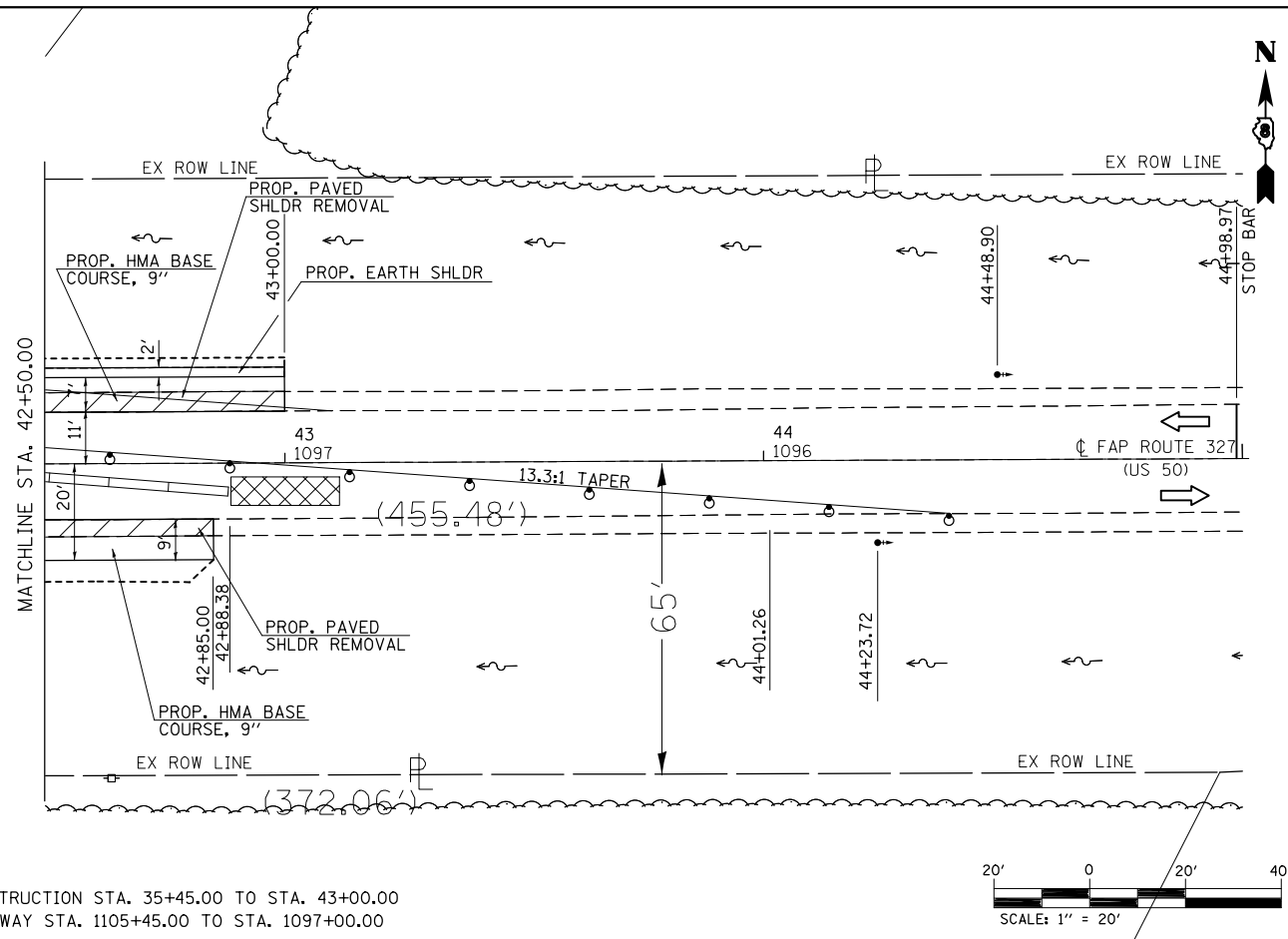
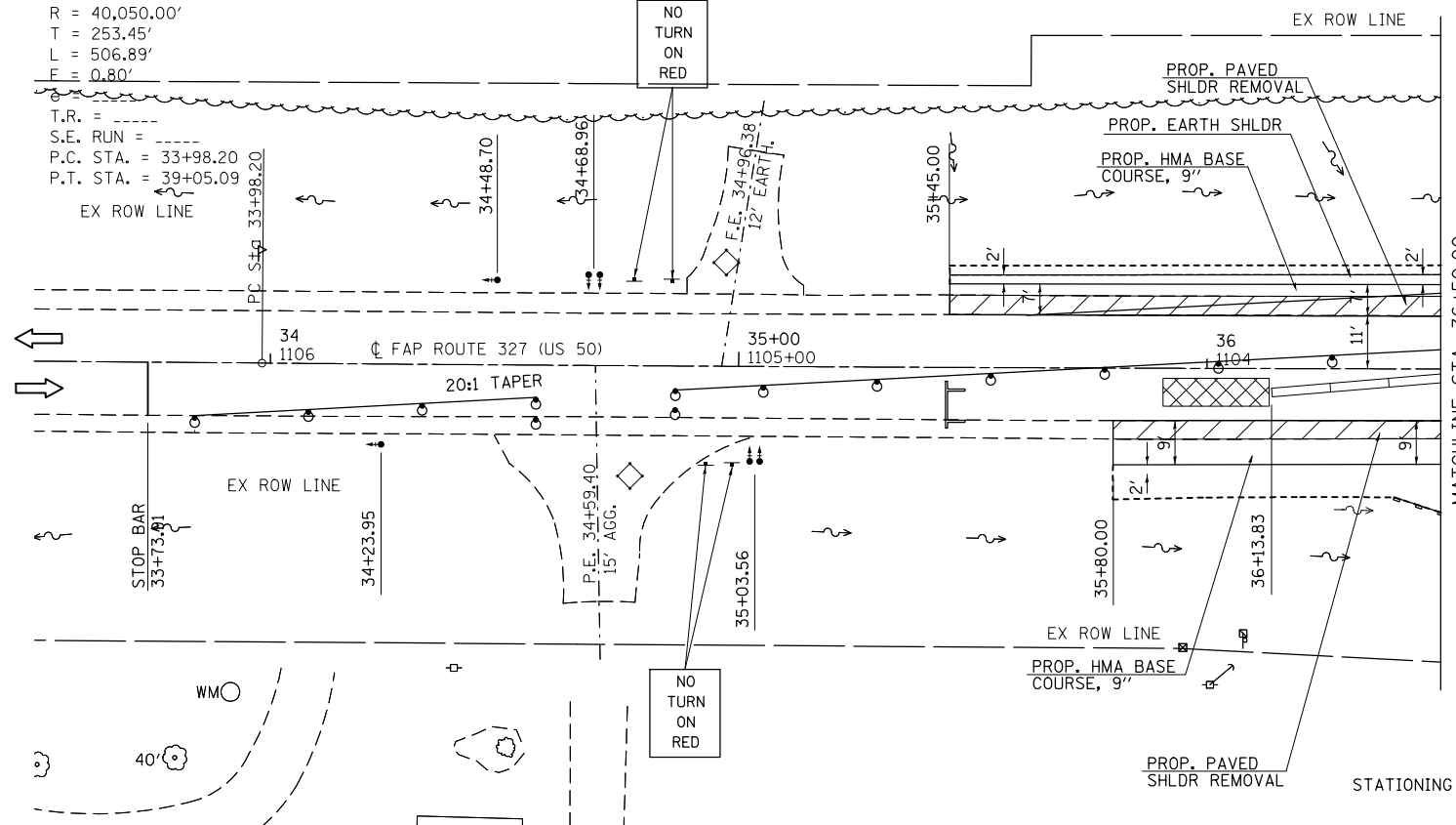
FILE NAME =	USER NAME = DntelmaJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-STAGE CONSTRUCTION SHEET SCALE: SHEET 1 OF 2 SHEETS STA. 36+50.00 TO STA. 42+50.00	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EBIDINTEG.allinois.gov\PIDOT\Documents\DOT Offices\District 8\Projects\ed01798\Drawn to CAB sheets\0876A23-sht-stages	DRAWN	CHECKED -	REVISED -			327	15BR	MARION	57	17	
PLOT SCALE = 40.0000' / in.	DATE = 8/13/2015	DATE -	REVISED -			CONTRACT NO. 76A23					
						ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CAD FILE NAME		

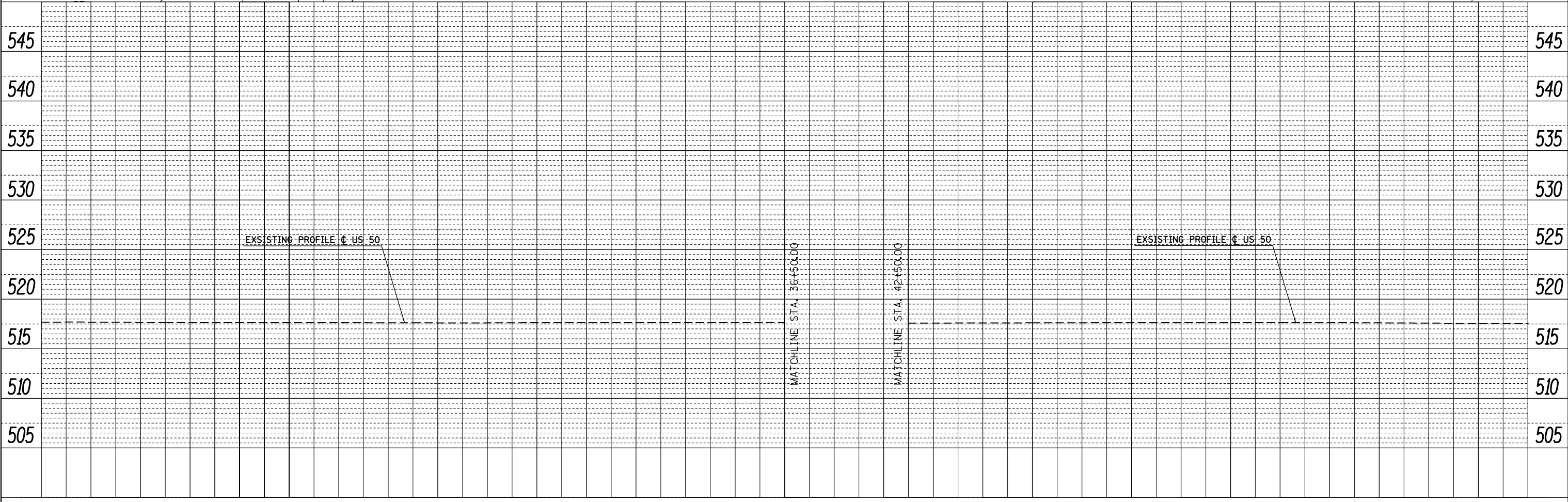
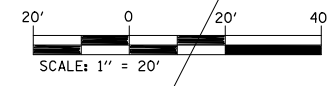
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CAD FILE NAME		

EX CURVE US50NEW-1
 PI STA. = 36+51.65
 $\Delta = 0^\circ 43' 31''$ (LT)
 $D = 0^\circ 08' 35''$
 $R = 40,050.00'$
 $T = 253.45'$
 $L = 506.89'$
 $E = 0.80'$

T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 33+98.20
 P.T. STA. = 39+05.09



STATIONING NOTE: ϕ OF CONSTRUCTION STA. 35+45.00 TO STA. 43+00.00
 ϕ OF ROADWAY STA. 1105+45.00 TO STA. 1097+00.00

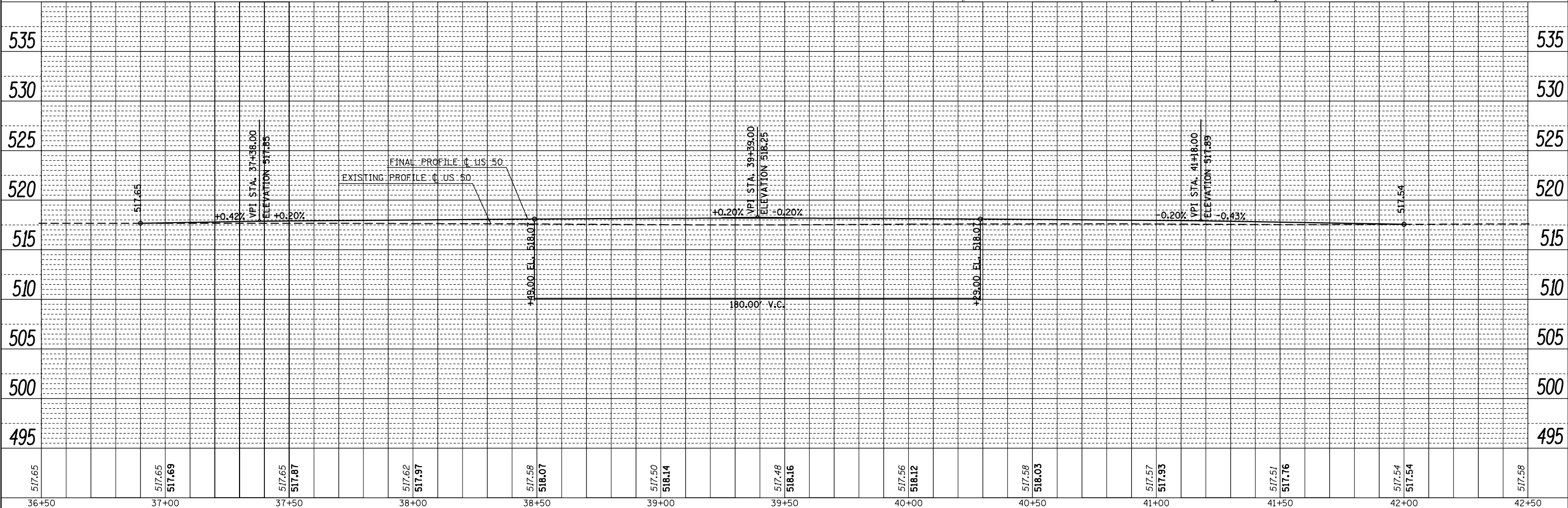
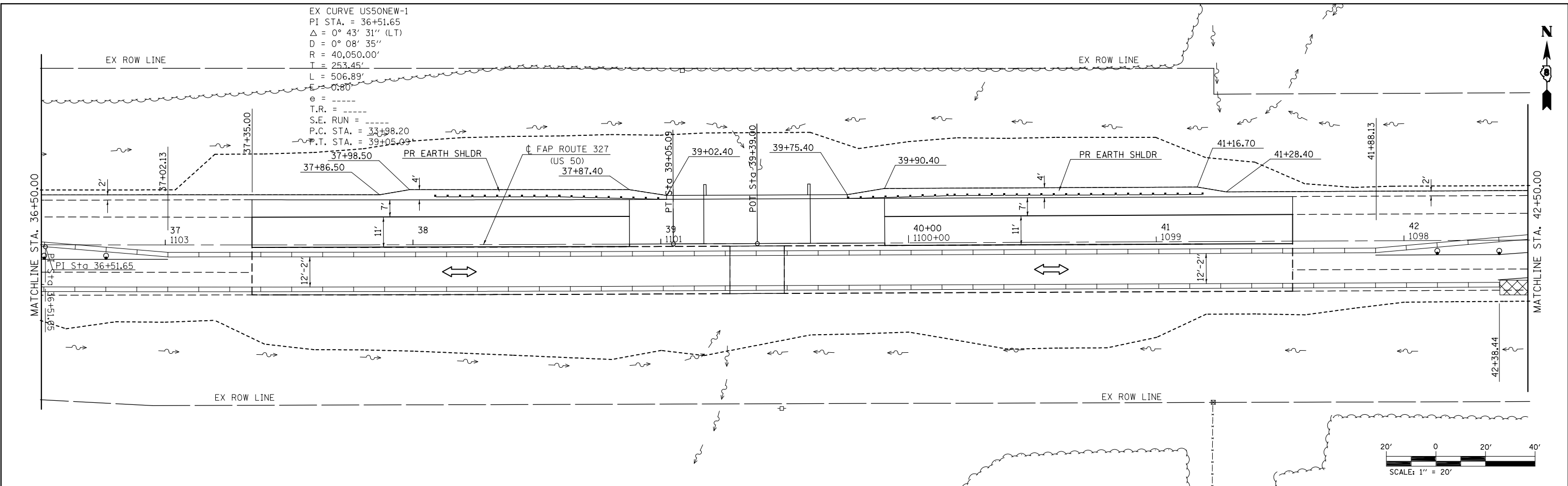


FILE NAME =	USER NAME = DntelmonJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-STAGE CONSTRUCTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -			327	15BR	MARION	57	18
		DATE -	REVISED -			CONTRACT NO. 76A23			ILLINOIS FED. AID PROJECT	
						SCALE:	SHEET 2	OF 2	SHEETS	STA. 33+73.81

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHPND	
	NO.	

EX CURVE US50NEW-1
 PI STA. = 36+51.65
 $\Delta = 0^\circ 43' 31''$ (LT)
 $D = 0^\circ 08' 35''$
 $R = 40,050.00'$
 $T = 253.45'$
 $L = 506.89'$
 $E = 0.80'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 33+98.20$
 $P.T. STA. = 39+05.09$



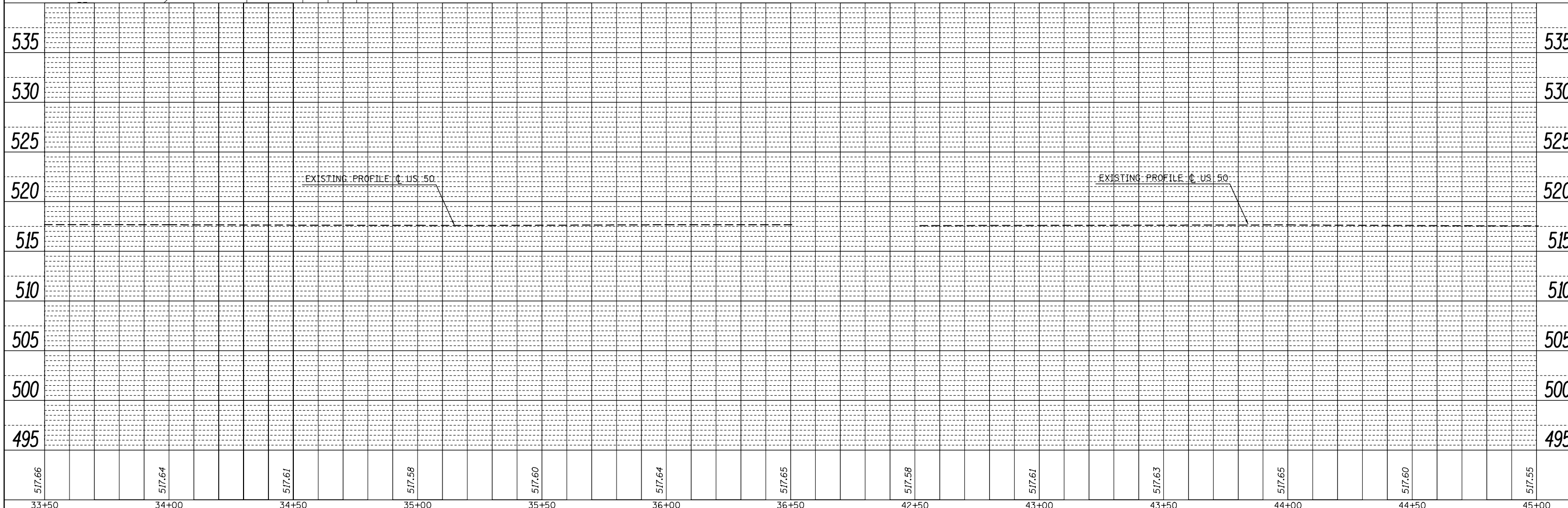
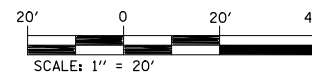
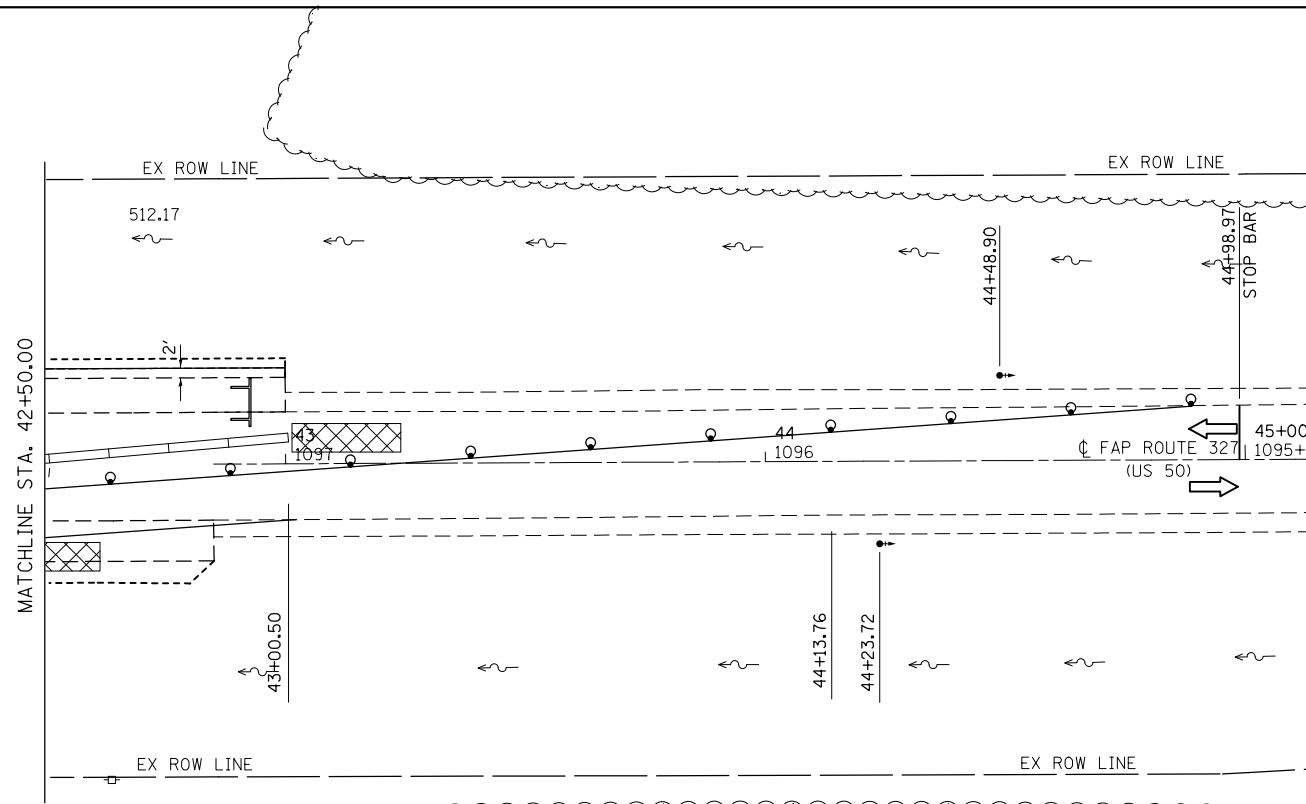
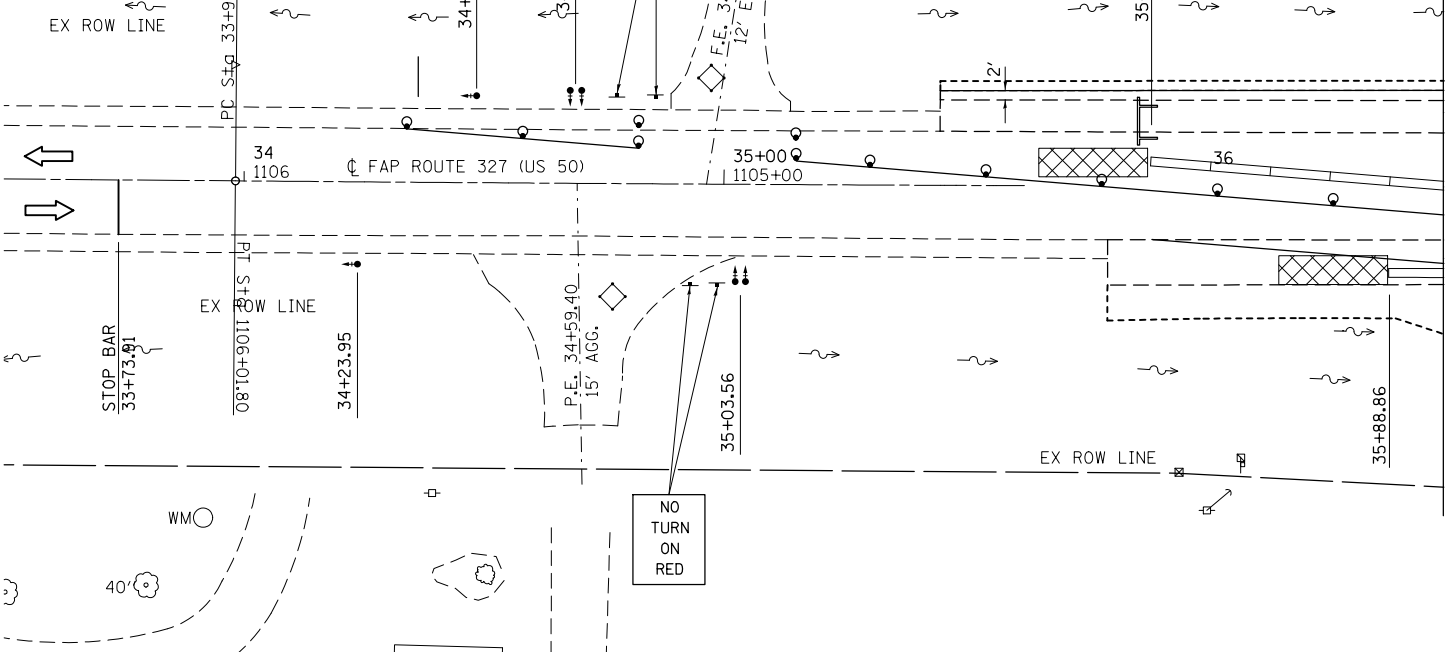
FILE NAME =	USER NAME = DntelmonJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1 CONSTRUCTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISED -			327	15BR	MARION	57	19	
		DATE -	REVISED -			CONTRACT NO. 76A23					
						ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

EX CURVE US50NEW-1
 PI STA. = 36+51.65
 $\Delta = 0^\circ 43' 31''$ (LT)
 $D = 0^\circ 08' 35''$
 $R = 40,050.00'$
 $T = 253.45'$
 $L = 506.89'$
 $F = 0.80'$

T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 33+98.20
 P.T. STA. = 39+05.09

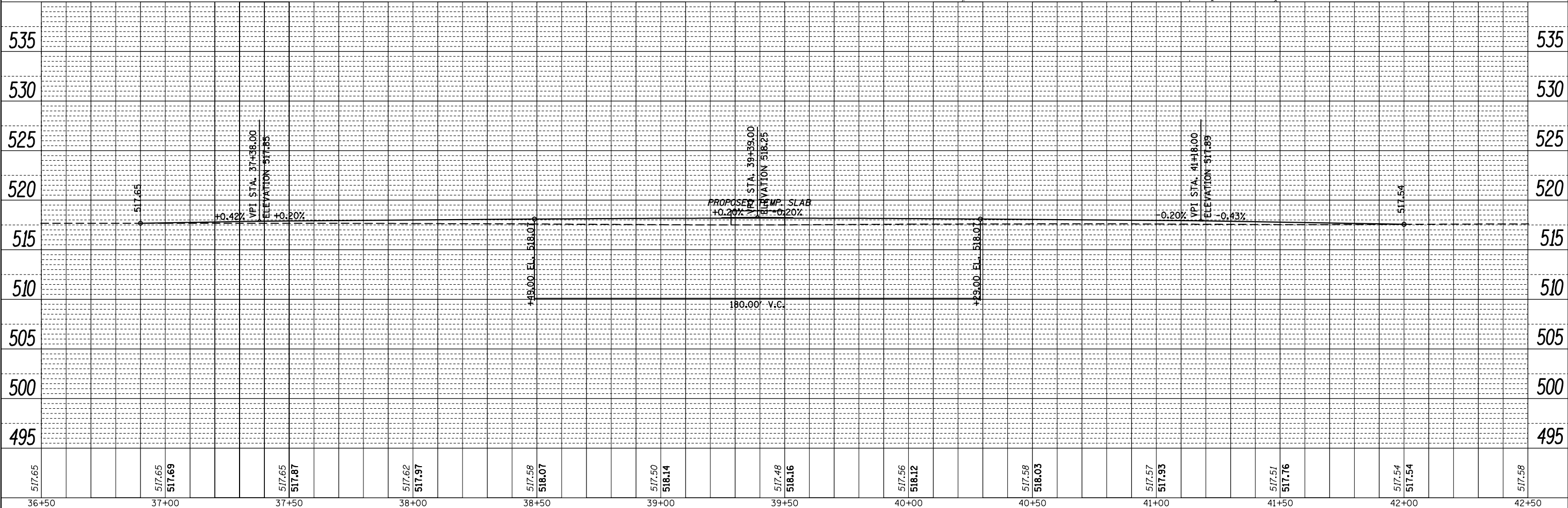
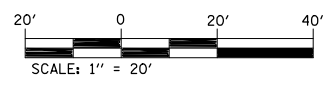
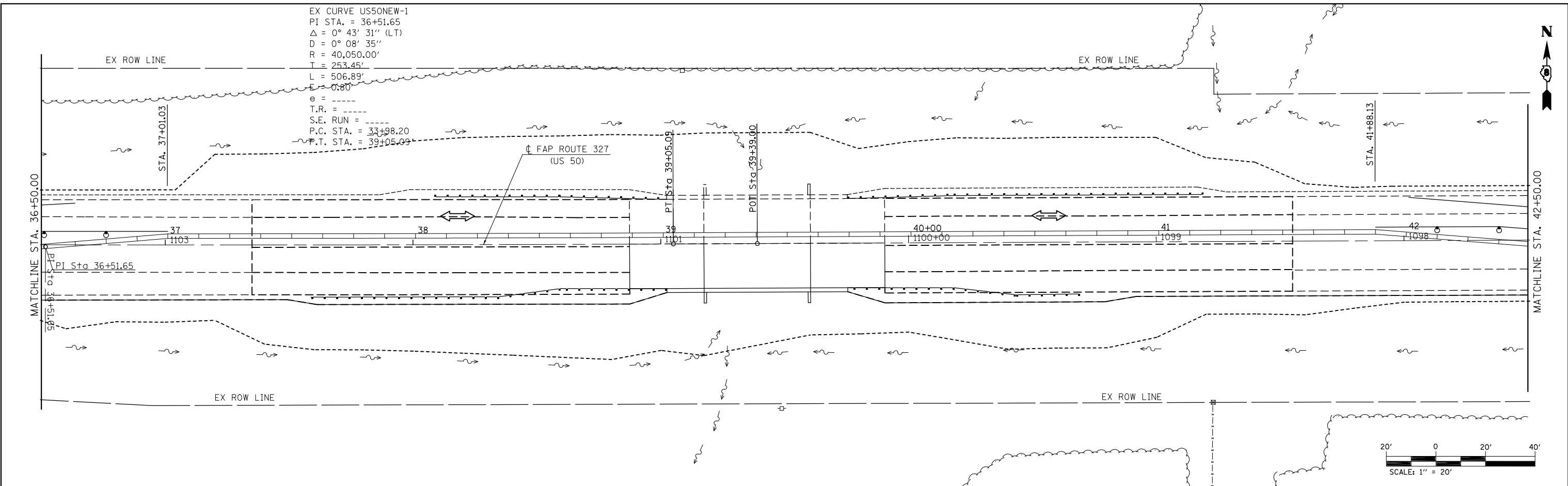


FILE NAME =	USER NAME = DntelmaJN	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1 CONSTRUCTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISD -			327	15BR	MARION	57	20	
		DATE -	REVISD -			CONTRACT NO. 76A23					
						SCALE:	SHEET 2	OF 2	SHEETS	STA. 33+73.81	TO STA. 44+61.36

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHPOD		

EX CURVE US50NEW-1
 PI STA. = 36+51.65
 $\Delta = 0^\circ 43' 31''$ (LT)
 $D = 0^\circ 08' 35''$
 $R = 40,050.00'$
 $T = 253.45'$
 $L = 506.89'$
 $E = 0.80'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 33+98.20$
 $P.T. STA. = 39+05.09$



517.65	517.65	517.69	517.65	517.87	517.62	517.97	517.58	518.07	517.50	518.14	517.48	518.16	517.56	518.12	517.58	518.03	517.57	517.93	517.51	517.76	517.54	517.54	517.58
36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00	40+50	41+00	41+50	42+00	42+50											

FILE NAME =
 USER NAME = DntelmonJN
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 8/13/2015

DESIGNED -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -

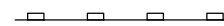
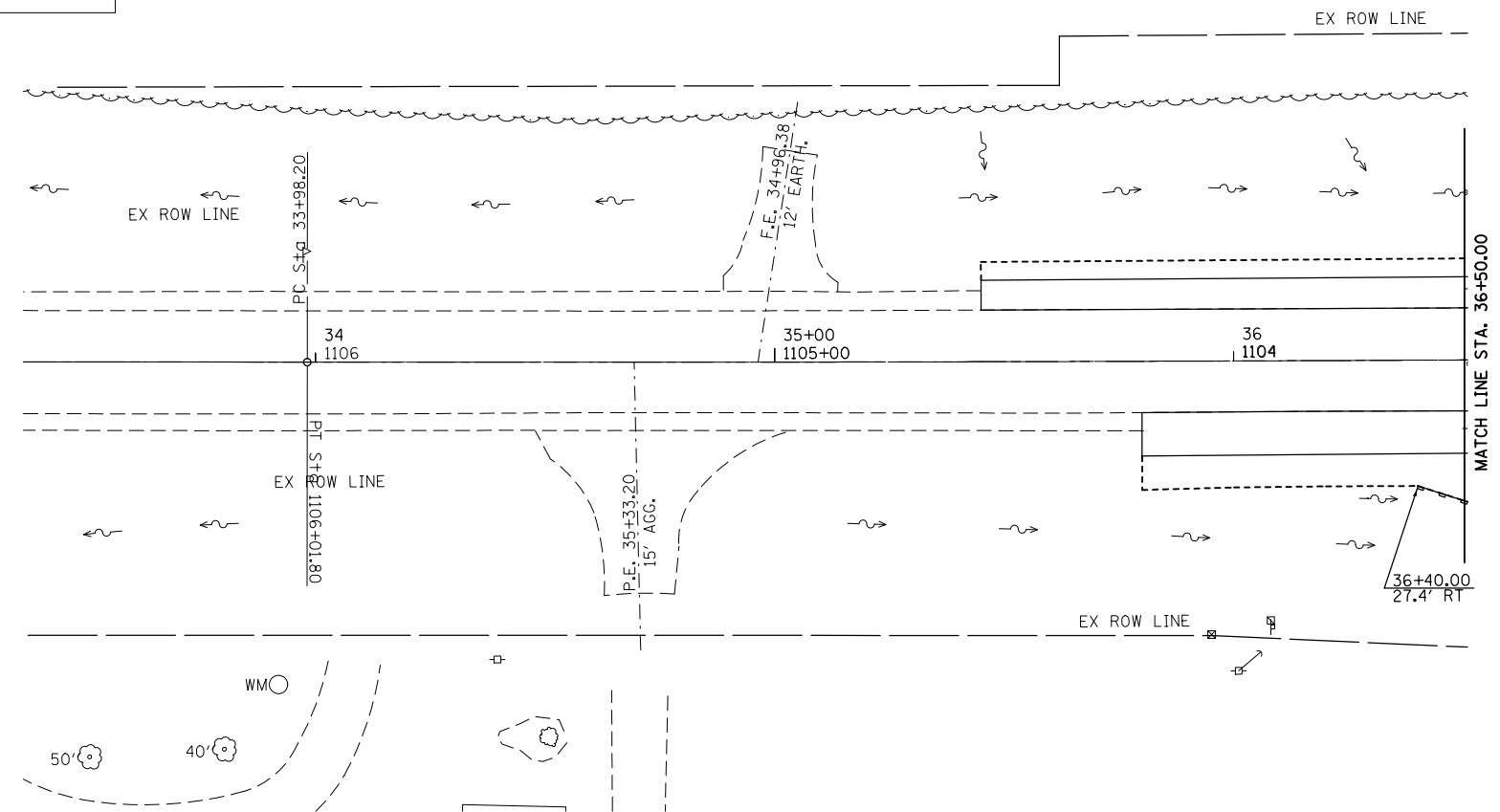
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE 2 CONSTRUCTION

SCALE: SHEET 1 OF 2 SHEETS STA. 36+50.00 TO STA. 42+50.00

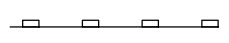
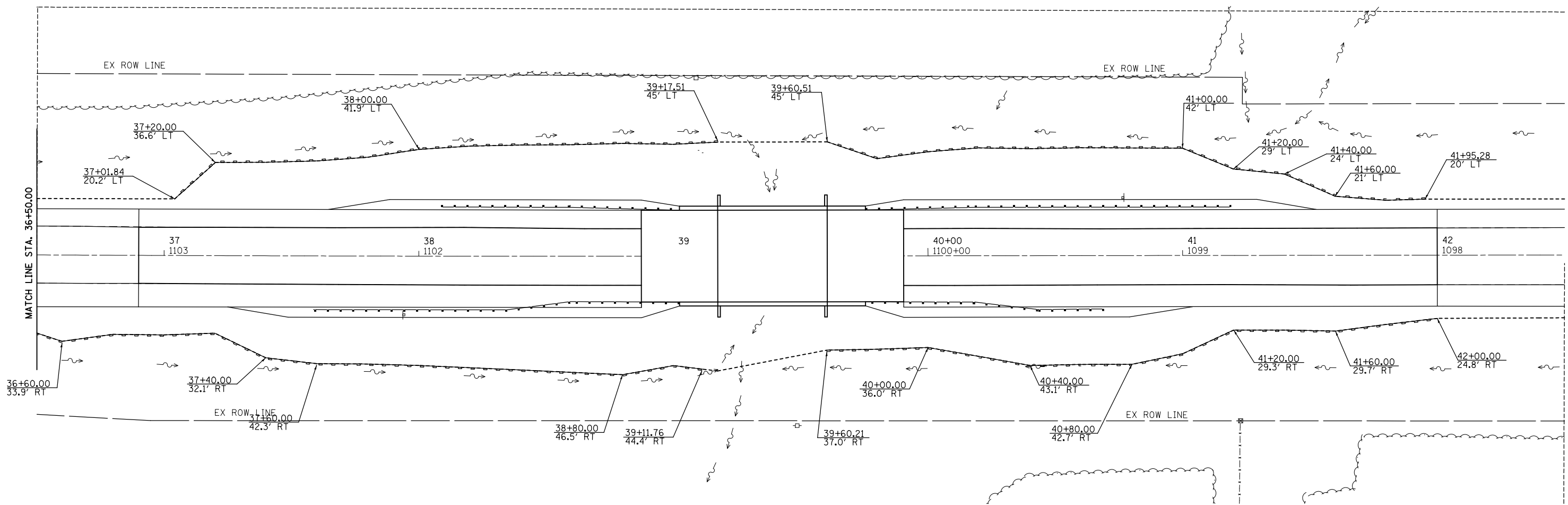
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	21
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				

LOCATION	AREA (SQ FT)	AREA (ACRE)	TEMP. EROSION CONTROL SEEDING (LB)	SEEDING CL 2 A (AC)	NITROGEN FERTILIZER NUTRIENT (LB)	PHOSPHORUS FERTILIZER NUTRIENT (LB)	POTASSIUM FERTILIZER NUTRIENT (LB)	MULCH METHOD 2 (AC)
SOUTHWEST QUAD	5087.00	0.12	51.38	0.12	10.5	10.5	10.5	0.12
NORTHWEST QUAD	4235.00	0.10	42.78	0.10	8.8	8.8	8.8	0.10
SOUTHEAST QUAD	3650.00	0.08	36.87	0.08	7.5	7.5	7.5	0.08
NORTHEAST QUAD	3525.00	0.08	35.61	0.08	7.3	7.3	7.3	0.08
SUB TOTAL				0.38				
TOTAL =			167	0.50	36	36	36	0.5



PERIMETER EROSION BARRIER

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\ed07\DRAWING\GADsheets\D876A23-sht-erosion.dwg	7/20/2015	CHECKED -	REVISED -					327	15BR	MARION	57	23
PLOT SCALE = 40.0000' / in.		DATE -	REVISED -		CONTRACT NO. 76A23			ILLINOIS FED. AID PROJECT				
PLOT DATE = 8/13/2015					SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS	STA. 35+45.00 TO STA. 36+50.00					



PERIMETER EROSION BARRIER

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\ed07\DRAWING\GADsheets\D876A23-sht-erosion.dwg	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -					327	15BR	MARION	57	24
	PLOT DATE = 8/13/2015	DATE -	REVISED -		SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 36+50.00 TO STA. 42+50.00			CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT												

SHEET INDEX		
SHEET NO.	STATION TO STATION	DESCRIPTION
1	N/A	COVER/LEGEND
2	1115+00 TO 1098+00	PLAT OF HIGHWAY
3	1100+00 TO 1085+00	PLAT OF HIGHWAY
4	N/A	SECTION DETAIL
5	N/A	TIE SHEET

RIGHT OF WAY LEGEND



- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- FORMER RIGHT OF WAY LINE
- ////// EXISTING IDOT EASEMENT LINE
- EXISTING EASEMENT LINE
- BUILDING SETBACK LINE
- AC --- EXISTING ACCESS CONTROL LINE
- AC --- EXISTING RIGHT OF WAY & PROPOSED ACCESS CONTROL LINE
- AC --- PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- ////// PROPOSED TEMPORARY EASEMENT LINE
- ////// PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY LINE
- FORMER PROPERTY LINE
- FORMER PROPERTY LINE WITHIN RIGHT OF WAY
- APL --- APPARENT PROPERTY LINE
- 121.45' MEASURED DIMENSION
- (121.45') RECORDED DIMENSION
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- ⊙ PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
- ▲ SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- + FOUND CUT CROSS
- + SET CUT CROSS

CURVE ABBREVIATIONS

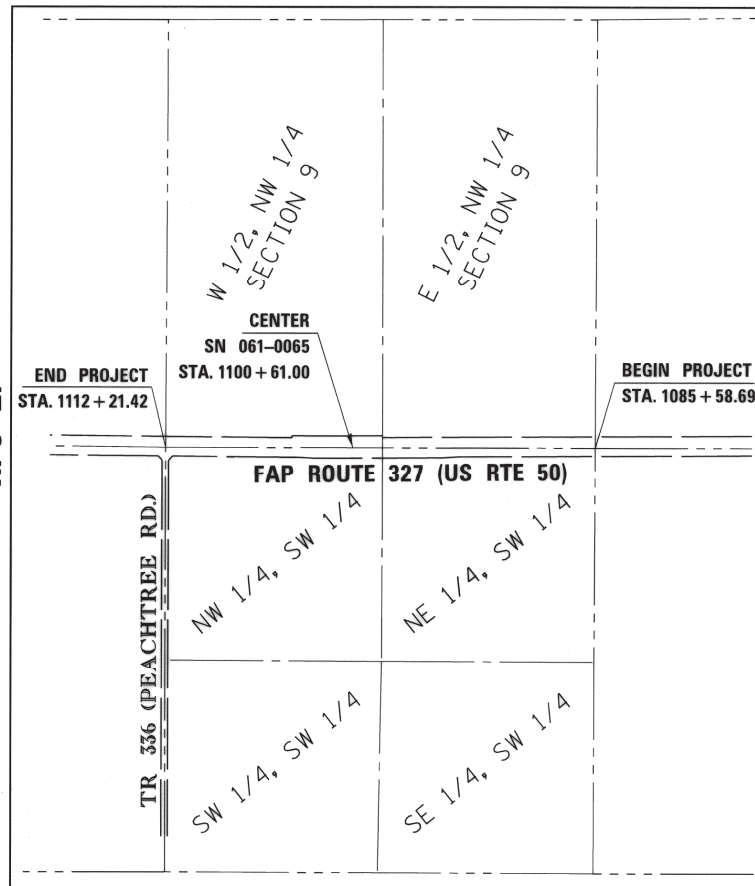
- PC POINT OF CURVATURE
- PI POINT OF INTERSECTION
- PT POINT OF TANGENCY
- PRC POINT OF REVERSE CURVE
- PCC POINT OF COMPOUND CURVE
- CB CHORD BEARING
- R RADIUS OF CURVE
- L CURVE LENGTH
- CB CHORD BEARING
- C CHORD LENGTH
- D DEGREE OF CURVE
- e EXTERNAL
- △ CENTRAL ANGLE

- SAME OWNERSHIP
- ////// EXISTING BUILDING
- EXISTING CANOPY/OVERHANG
- 12.3' EXISTING BUILDING DIMENSIONS/NOTES
- STAKING OF PROPOSED RIGHT OF WAY CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

PREPARED BY:
API Survey LLC
 17625 Mockingbird Road
 P.O. Box 333
 Nashville, Illinois 62263
 Fax 618-478-9001
 Ph. 618-478-9000
 Email: gary@apisurvey.com
 IDPR Design Firm License No. 184-006526

Jack A. Gelsso 8/11/2015
JACK A. GELSO, IPLS # 3786
EXPIRATION DATE: 11-30-2016

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAT OF HIGHWAYS
FAP ROUTE 327 (U.S. ROUTE 50)
SECTION 15BR
MARION COUNTY
JOB NO.
R-98-011-10
T. 2 N.



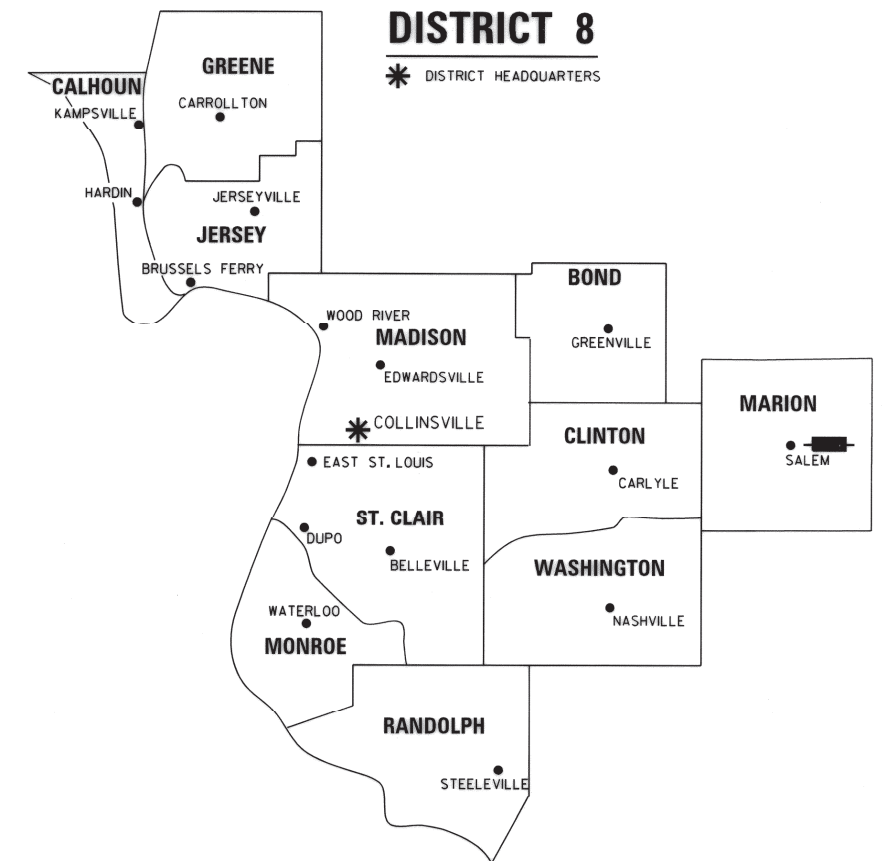
PROJECT LENGTH = 2,663 LIN. FT. = 0.5043 MILES

PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
311 (IR W/CAP)	1108+26.51	24.92'LT	14,669.6212	127,649.0831
312 (IR W/CAP)	1099+17.51	25.92'LT	14,666.6451	128,558.3896
313 (IR W/CAP)	1087+73.89	23.71'LT	14,673.9902	129,701.9853

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

- UTILITY POWER POLE
- VEGETATION LINE
- EVERGREEN TREE
- DECIDUOUS TREE
- WOODS/BUSH PATTERN
- GAURDRAIL PATTERN
- FENCE PATTERN
- MAIL BOX
- EXISTING CREEK OR DITCH
- EXISTING EDGE OF PAVEMENT
- CONC. R.O.W. MARKER

SPACE RESERVED FOR RECORDING OFFICER



LOCATION OF SECTION INDICATED THUS: [Symbol]

BASIS OF COORDINATE & BEARING STATEMENT
JOB NO. R-98-011-10
 COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. COORDINATES LISTED ARE STATE PLANE GROUND COORDINATES (TRUNCATED). THE NORTHING AND EASTING FOR THESE POINTS HAVE BEEN TRUNCATED TO DISTINGUISH AS GROUND COORDINATES. (700,000 WAS TRUNCATED OFF THE NORTHING & EASTING)
 (I.E. - 1 N. 14,669,6212 (TRUNCATED) = N. 714,669,6212
 E. 127,649,0831 (TRUNCATED) = E. 827,649,0831)

SHEET 1 OF 5

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	25
CONTRACT NO. 76A23				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

PART OF THE E 12 OF SECTION 8 & PART OF THE W 12 OF SECTION 9, T.2 N., R.3 E., OF THE 3RD P.M., MARION COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 1

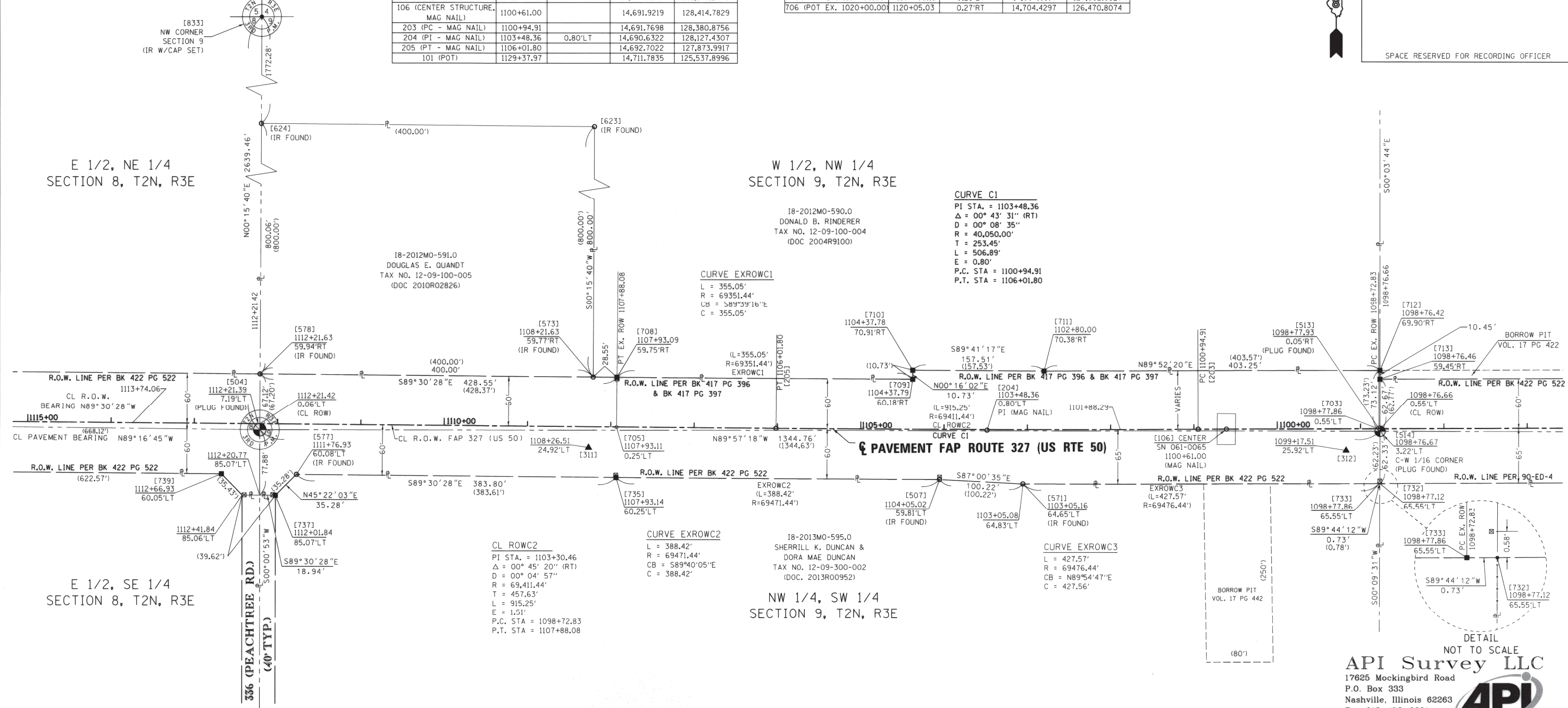
I.D.O.T. PROVIDED CONTROL				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
311 (IR W/CAP)	1108+26.51	24.92'LT	14,669.6212	127,649.0831
312 (IR W/CAP)	1099+17.51	25.92'LT	14,666.6451	128,558.3896
313 (IR W/CAP)	1087+73.89	23.71'LT	14,673.9902	129,701.9853

I.D.O.T. PROVIDED PAVEMENT ALIGNMENT F.A.P. 327 (U.S. ROUTE 50)				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
103 (POT)	1066+99.61		14,697.8871	131,776.1083
200 (PC)	1071+68.64		14,703.7869	131,307.1126
201 (PI)	1072+34.10	0.28'RT	14,704.6103	131,241.6624
202 (PT)	1072+99.55		14,704.3165	131,176.2078
106 (CENTER STRUCTURE, MAG NAIL)	1100+61.00		14,691.9219	128,414.7829
203 (PC - MAG NAIL)	1100+94.91		14,691.7698	128,380.8756
204 (PI - MAG NAIL)	1103+48.36	0.80'LT	14,690.6322	128,127.4307
205 (PT - MAG NAIL)	1106+01.80		14,692.7022	127,873.9917
101 (POT)	1129+37.97		14,711.7835	125,537.8996

CL R.O.W. ALIGNMENT F.A.P. 327 (U.S. ROUTE 50)				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
702 (POT EX. 1073+77.68)	1073+82.71	0.28'LT	14,703.6600	131,093.0479
703 (PC EX. 1098+72.83)	1098+77.86	0.55'LT	14,692.1921	128,597.9242
704 (PI EX. 1103+30.46)			14,690.0888	128,140.2974
705 (PT EX. 1107+88.08)	1107+93.11	0.25'LT	14,694.0197	127,682.6827
706 (POT EX. 1020+00.00)	1120+05.03	0.27'RT	14,704.4297	126,470.8074



SPACE RESERVED FOR RECORDING OFFICER



E 1/2, NE 1/4
SECTION 8, T2N, R3E

W 1/2, NW 1/4
SECTION 9, T2N, R3E

E 1/2, SE 1/4
SECTION 8, T2N, R3E

NW 1/4, SW 1/4
SECTION 9, T2N, R3E

COORDINATE TABLE				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
833 (NW CORNER, IR W/CAP SET)			17,330.0146	127,266.3909
504 (W 1/4 CORNER, PLUG FOUND)	1112+21.39	7.19'LT	14,690.5780	127,254.3620
578 (IR FOUND)	1112+21.63	59.94'RT	14,757.6986	127,254.6679
573 (IR FOUND)	1108+21.63	59.77'RT	14,754.2627	127,654.6531
708 (EX. ROW IR SET)	1107+93.09	59.75'RT	14,754.0175	127,683.1980
709 (EX. ROW IR SET)	1104+37.79	60.18'RT	14,751.8766	128,038.2412
710 (EX. ROW IR SET)	1104+37.78	70.91'RT	14,762.6065	128,038.2912
711 (EX. ROW IR SET)	1102+80.00	70.38'RT	14,761.7488	128,195.7995
712 (EX. ROW IR SET)	1098+76.42	69.90'RT	14,762.6480	128,599.0467
713 (EX. ROW IR SET)	1098+76.46	59.45'RT	14,752.1980	128,599.0581
513 (PLUG FOUND)	1098+77.93	0.05'RT	14,692.7950	128,597.8530
514 (C-W 1/16 CORNER, PLUG FOUND)	1098+76.67	3.22'LT	14,689.5245	128,599.1262
732 (EX. ROW, FENCE POST)	1098+77.12	65.55'LT	14,627.1962	128,598.9535
733 (EX. ROW IR SET)	1098+77.86	65.55'LT	14,627.1928	128,598.2230
571 (IR FOUND)	1103+05.16	64.65'LT	14,626.7320	128,170.5730
507 (IR FOUND)	1104+05.02	59.81'LT	14,631.7714	128,070.5759
735 (EX. ROW IR SET)	1107+93.14	60.25'LT	14,634.0219	127,682.1673
577 (IR FOUND)	1111+76.93	60.08'LT	14,637.3186	127,298.3850
737 (EX. ROW IR SET)	1112+01.84	85.07'LT	14,612.5324	127,273.2788
739 (EX. ROW IR SET)	1112+66.93	60.05'LT	14,638.0917	127,208.3914
624 (IR FOUND)			15,557.7460	127,258.3140
623 (IR FOUND)			15,554.2534	127,658.2989

STATE OF ILLINOIS)
COUNTY OF WASHINGTON) SS

I, JACK A. GELSO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED 8/11/2015
Jack A. Gelso
JACK A. GELSO, PLS NO. 3786
LICENSE EXPIRATION DATE: 11/30/2016



API Survey LLC
17625 Mockingbird Road
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IDPR Design Firm License No. 184-006526

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 327 (U.S. ROUTE 50)
SECTION 15BR
MARION COUNTY
JOB NO. R-98-011-10
STATION 1098+00 TO STATION 1115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	26
COMPLETION DATE OF FIELD WORK PERFORMED				CONTRACT NO. 76A23
LAND SURVEY: 6/5/2013		ROW STAKING: 5/21/2015		FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT

PART OF THE W 1/2 OF SECTION 9, T. 2 N., R. 3 E., OF THE 3RD P.M., MARION COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 1

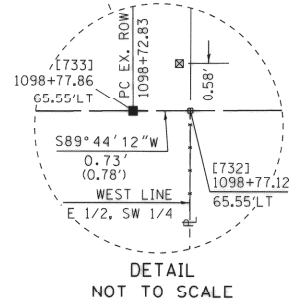
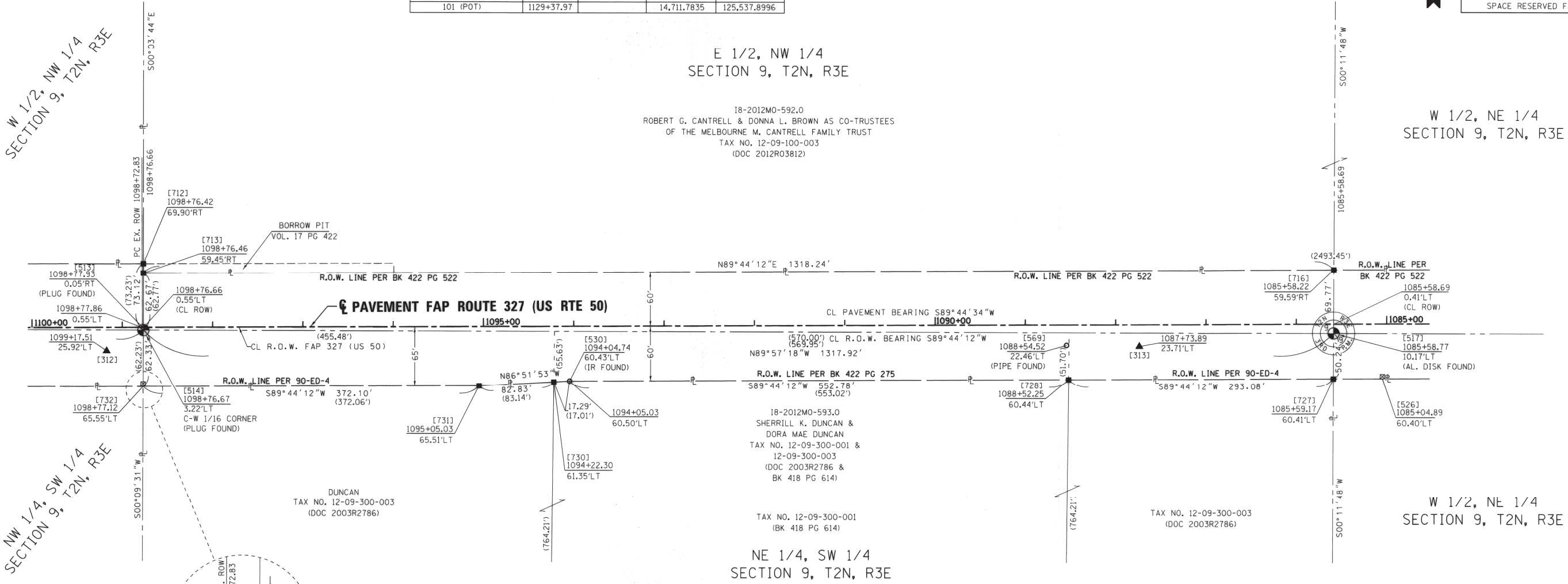
I.D.O.T. PROVIDED CONTROL				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
311 (IR W/CAP)	1108+26.51	24.92'LT	14,669.6212	127,649.0831
312 (IR W/CAP)	1099+17.51	25.92'LT	14,666.6451	128,558.3896
313 (IR W/CAP)	1087+73.89	23.71'LT	14,673.9902	129,701.9853

I.D.O.T. PROVIDED PAVEMENT ALIGNMENT F.A.P. 327 (U.S. ROUTE 50)				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
103 (POT)	1066+99.61		14,697.8871	131,776.1083
200 (PC)	1071+68.64		14,703.7869	131,307.1126
201 (PI)	1072+34.10	0.28'RT	14,704.6103	131,241.6624
202 (PT)	1072+99.55		14,704.3165	131,176.2078
106 (CENTER STRUCTURE, MAG NAIL)	1100+61.00		14,691.9219	128,414.7829
203 (PC - MAG NAIL)	1100+94.91		14,691.7698	128,380.8756
204 (PI - MAG NAIL)	1103+48.36	0.80'LT	14,690.6322	128,127.4307
205 (PT - MAG NAIL)	1106+01.80		14,692.7022	127,873.9917
101 (POT)	1129+37.97		14,711.7835	125,537.8996

CL R.O.W. ALIGNMENT F.A.P. 327 (U.S. ROUTE 50)				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
702 (POT EX. 1073+77.68)	1073+82.71	0.28'LT	14,703.6600	131,093.0479
703 (PC EX. 1098+72.83)	1098+77.86	0.55'LT	14,692.1921	128,597.9242
704 (PI EX. 1103+30.46)			14,690.8888	128,140.2974
705 (PT EX. 1107+88.08)	1107+93.11	0.25'LT	14,694.0197	127,682.6827
706 (POT EX. 1020+00.00)	1120+05.03	0.27'RT	14,704.4297	126,470.8074



SPACE RESERVED FOR RECORDING OFFICER



COORDINATE TABLE				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
513 (PLUG FOUND)	1098+77.93	0.05'RT	14,692.7950	128,597.8530
514 (C-W 1/16 CORNER, PLUG FOUND)	1098+76.67	3.22'LT	14,689.5245	128,599.1262
712 (EX. ROW IR SET)	1098+76.42	69.90'RT	14,762.6480	128,599.0467
713 (EX. ROW IR SET)	1098+76.46	59.45'RT	14,752.1980	128,599.0581
716 (EX. ROW IR SET)	1085+58.22	59.59'RT	14,758.2567	129,917.2845
517 (CENTER OF SECT., ALUMINUM DISK FOUND)	1085+58.77	10.17'LT	14,688.4920	129,917.0450
526 (ROW MARKER)	1085+04.89	60.40'LT	14,638.5030	129,971.1526
727 (EX. ROW IR SET)	1085+59.17	60.41'LT	14,638.2535	129,916.8725
569 (PIPE FOUND)	1088+54.52	22.46'LT	14,674.8780	129,621.3570
728 (EX. ROW IR SET)	1088+52.25	60.44'LT	14,636.9065	129,623.7996
530 (IR FOUND)	1094+04.74	60.43'LT	14,634.4420	129,071.3120
730 (EX. ROW IR SET)	1094+22.30	61.35'LT	14,633.4365	129,053.7566
731 (EX. ROW IR SET)	1095+05.03	65.51'LT	14,628.9064	128,971.0490
732 (EX. ROW, FENCE POST)	1098+77.12	65.55'LT	14,627.1962	128,598.9535
733 (EX. ROW IR SET)	1098+77.86	65.55'LT	14,627.1928	128,598.2230

18-2012M0-592.0
ROBERT G. CANTRELL & DONNA L. BROWN AS CO-TRUSTEES
OF THE MELBOURNE M. CANTRELL FAMILY TRUST
TAX NO. 12-09-100-003
(DOC 2012R03812)

18-2012M0-593.0
SHERRILL K. DUNCAN & DORA MAE DUNCAN
TAX NO. 12-09-300-001 & 12-09-300-003
(DOC 2003R2786 & BK 418 PG 614)

TAX NO. 12-09-300-001
(BK 418 PG 614)

TAX NO. 12-09-300-003
(DOC 2003R2786)

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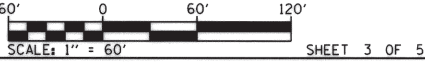
STATE OF ILLINOIS)
COUNTY OF WASHINGTON) SS

I, JACK A. GELSO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED 8/11/2015
Jack A. Gelso
JACK A. GELSO, PLS NO. 3786
LICENSE EXPIRATION DATE: 11/30/2016



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 327 (U.S. ROUTE 50)
SECTION 15BR
MARION COUNTY
JOB NO. R-98-011-10
STATION 1085+00 TO STATION 1100+00



ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	27

CONTRACT NO. 76A23

COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY: 6/5/2013 ROW STAKING: 5/21/2015

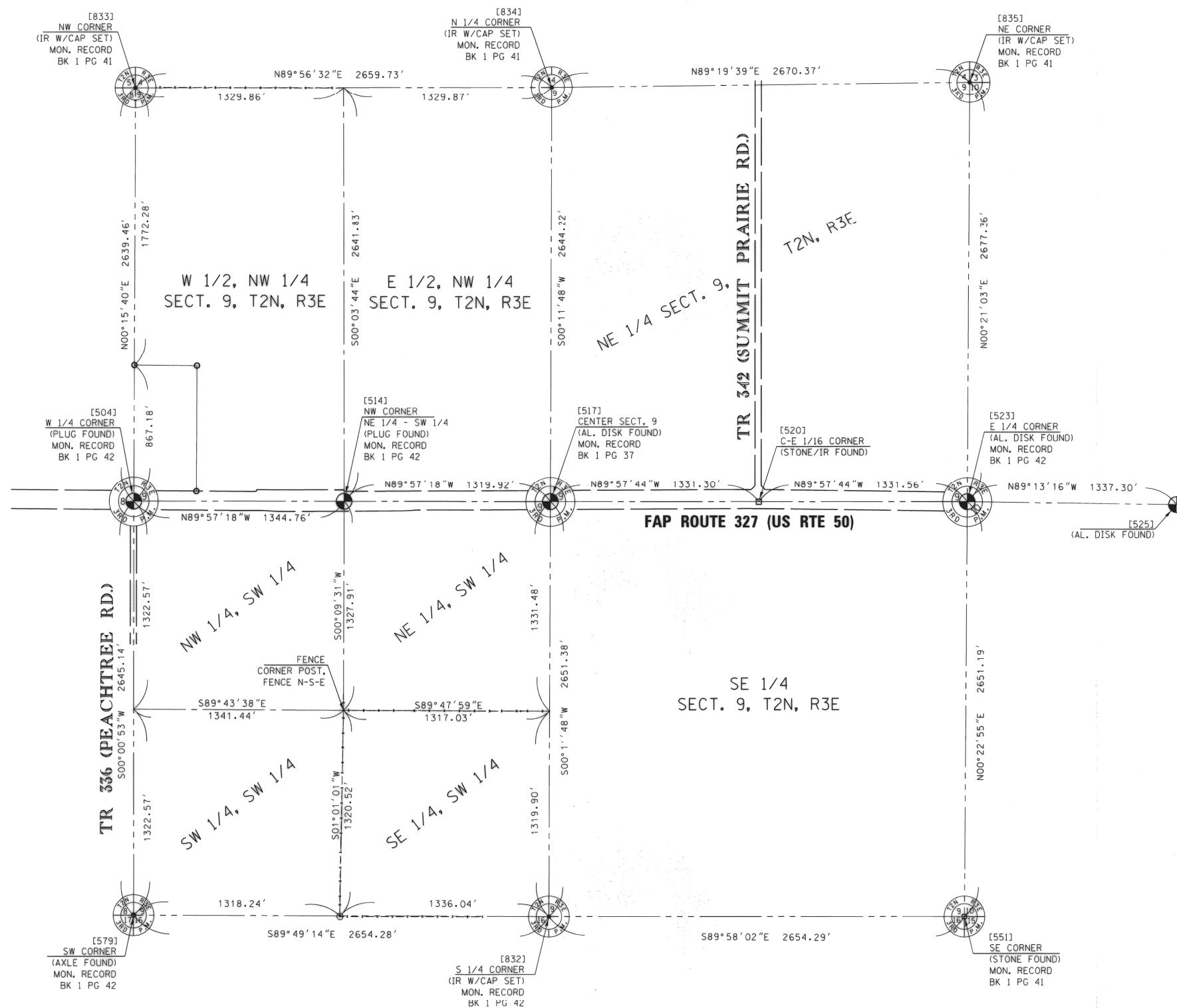
SECTION 9, T. 2 N., R. 3 E., OF THE 3RD P.M., MARION COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 1

SECTION DETAIL



SPACE RESERVED FOR RECORDING OFFICER



COORDINATE TABLE				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
504 (W 1/4 CORNER, PLUG FOUND)	1112+21.39	7.19'LT	14,690.5780	127,254.3620
514 (C-W 1/16 CORNER, PLUG FOUND)	1098+76.67	3.22'LT	14,689.5245	128,599.1262
517 (CENTER OF SECT., ALUMINUM DISK FOUND)	1085+58.77	10.17'LT	14,688.4920	129,917.0450
517 (C-E 1/16 CORNER, STONE/IR FOUND)	1072+27.33	16.69'LT	14,687.6156	131,248.3494
523 (E 1/4 CORNER, ALUMINUM DISK FOUND)			14,686.7390	132,579.9050
833 (NW CORNER, IR W/CAP SET)			17,330.0146	127,266.3909
834 (N 1/4 CORNER, IR W/CAP SET)			17,332.7007	129,926.1236
835 (NE CORNER, IR W/CAP SET)			17,364.0490	132,596.3050
579 (SW CORNER, AXLE FOUND)			12,045.4340	127,253.6780
832 (S 1/4 CORNER, IR W/CAP SET)			12,037.1244	129,907.9418
551 (SE CORNER, STONE FOUND)			12,035.6030	132,562.2290
532 (SW 1/16 CORNER, FENCE CORNER POST FOUND)			13,361.6196	128,595.4472
525 (AL. DISK FOUND)			14,668.5580	133,917.0770

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STATE OF ILLINOIS)
) SS
 COUNTY OF WASHINGTON)

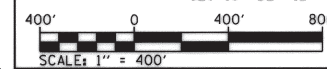
I, JACK A. GELSO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED 8/11/2015

JACK A. GELSO, PLS NO. 3786
 LICENSE EXPIRATION DATE: 11/30/2016



ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 327 (U.S. ROUTE 50)
 SECTION 15BR
 MARION COUNTY
 JOB NO. R-98-011-10
 SECTION DETAIL



SHEET 4 OF 5

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	28

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 6/5/2013	ROW STAKING: 5/21/2015

CONTRACT NO. 76A23	
FED. ROAD DIST. NO. 8	ILLINOIS FED. AID PROJECT

SECTION CORNER, CONTROL, AND CENTERLINE TIE SHEET

<p>BOX CULVERT (SN 061-2463) MAG NAIL IN "4" OF STATION STAMP 1107+50 US ROUTE 50 NW CORNER CHISELED SQUARE (BM 22) CP 311 (IRON ROD W/IDOT CAP) MAG NAIL IN UTILITY POLE</p>	<p>BRIDGE (SN 061-0065) MAG NAIL IN SHOULDER US ROUTE 50 MAG NAIL IN UTILITY POLE CP 312 (IRON ROD W/IDOT CAP) NW CORNER R.O.W. MARKER NOTE: CP 312 IS +/- 131' FROM EAST END OF SOUTH PARAPET.</p>	<p>MAG NAILS IN SHOULDER US ROUTE 50 MAG NAIL IN UTILITY POLE CP 313 (IRON ROD W/IDOT CAP) DOUBLE "D" WESTERN WEAR</p>	<p>NOTE: ALL TIES ARE MAG NAILS IN E.O.P.</p> <p>US ROUTE 50 PT STA 1106+01.80 (MAG NAIL)</p>	<p>NOTE: ALL TIES ARE MAG NAILS IN E.O.P.</p> <p>US ROUTE 50 PI STA 1103+48.36 (MAG NAIL)</p>	<p>NOTE: ALL TIES ARE MAG NAILS IN E.O.P.</p> <p>US ROUTE 50 PC STA 1100+94.91 (MAG NAIL)</p>
<p>CP #311 (Sta 1108 + 26.51; Off 24.92' LT) N=14669.6212, E=127649.0831</p>	<p>CP #312 (Sta 1099 + 17.51; Off 25.92' LT) N=14666.6451, E=128558.3896</p>	<p>CP #313 (Sta 1087 + 73.89; Off 23.71' LT) N=14673.9902, E=129701.9853</p>	<p>P.T. Sta. 1106 + 01.80 N=14692.7022, E=127873.9917</p>	<p>P.I. Sta. 1103 + 48.36 N=14690.6322, E=128127.4307</p>	<p>P.C. Sta. 1100 + 94.91 N=14691.7698, E=128380.8756</p>
<p>NOTE: ALL TIES ARE MAG NAILS IN E.O.P.</p> <p>BRIDGE (SN 061-0065) US ROUTE 50 1100+61.00 (MAG NAIL)</p>	<p>IR FOUND 12'x15' ELIP. RCP CHISELED "X" IN E. END OF RCP US ROUTE 50 PEACH TREE ROAD TOP CENTER R.O.W. MARKER PK NAIL W/ ALUM. TAG IN PP</p>	<p>PK NAIL W/ ALUMINUM TAG IN TOP OF BREAK-AWAY GUARDRAIL US ROUTE 50 PERMANENT SURVEY MARKER "PC" STATION 1098+72.10 (PLUG FOUND) FENCELINE PK NAIL WITH ALUMINUM TAG IN TOP OF FENCE POST</p>	<p>MAG NAIL WITH PLASTIC SURVEY WASHER IN 10" TREE US ROUTE 50 SW CORNER TELEPHONE RISER FENCELINE PK NAIL WITH ALUMINUM TAG IN FENCE POST</p>	<p>CREEK BRIDGE MAG NAIL WITH PLASTIC SURVEY MARKER IN POST MAG NAIL WITH PLASTIC SURVEY MARKER IN UTILITY POLE MAG NAIL WITH PLASTIC SURVEY MARKER IN POST SW CORNER (AXLE FOUND) PEACH TREE ROAD</p>	<p>MAG NAIL WITH PLASTIC SURVEY MARKER IN 12" LOCUST MAG NAIL WITH PLASTIC SURVEY MARKER IN 18" OAK MAG NAIL WITH PLASTIC SURVEY MARKER IN 36" OAK S 1/4 CORNER SECTION 9 (IRON PIN SET)</p>
<p>CENTER OF BRIDGE Sta. 1100 + 61.00 N=14691.9219, E=128414.7829</p>	<p>W 1/4 COR., SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 42 N=14690.5780, E=127254.3620</p>	<p>NW COR. NE 1/4, SW 1/4, SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 42 N=14689.5245, E=128599.1262</p>	<p>E 1/4 COR., SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 42 N=14686.7390, E=132579.9050</p>	<p>SW COR., SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 42 N=12045.4340, E=127253.6780</p>	<p>S 1/4 COR., SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 42 N=12037.1244, E=129907.9418</p>
<p>PK NAIL W/ PLASTIC WASHER SET IN FENCE POST NW CORNER SECTION 9 (IRON PIN SET) PK NAIL W/ PLASTIC WASHER SET IN 12" HACKBERRY TREE</p>	<p>3/8" IRON PIN W/RED CAP SET 18" DEEP FIELD DITCH NE CORNER SECTION 9 (IRON PIN SET 18" DEEP) 3/8" IRON PIN W/RED CAP SET 18" DEEP FIELD</p>	<p>FIELD FIELD OCC. LINE FIELD FIELD ROAD FIELD 3/8" IRON PIN W/RED CAP SET IN CL OF FIELD ROAD N 1/4 CORNER SECTION 9 (IRON PIN SET 18" DEEP)</p>	<p>FIELD DITCH FIELD FIELD 3/8" IRON PIN W/RED CAP SET MAG NAIL W/ PLASTIC SURVEY MARKER IN 48" OAK SE CORNER SECTION 9 (STONE FOUND)</p>	<p>CENTER OF SECT. 9 ALUM. DISK IN VAULT 10' SOUTH OF CENTERLINE US ROUTE 50 NAIL W/ALUM. TAG IN FENCE POST NAIL W/TAG IN PP IRON ROD FOUND "4" IN STATION STAMP 1085+00</p>	
<p>NW COR., SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 41 N=17330.0146, E=127266.3909</p>	<p>NE COR., SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 41 N=17364.0490, E=132596.3050</p>	<p>N 1/4 COR., SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 41 N=17332.7007, E=129926.1236</p>	<p>SE COR., SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 41 N=12035.6030, E=132562.2290</p>	<p>CENTER SECT. 9, T.2N., R.3E. 1/15/14 MONUMENT RECORD BK. 1 PG. 37 N=14688.4920, E=129917.0450</p>	

N

8

SPACE RESERVED FOR RECORDING OFFICER

Jack A. Gelsco 8/11/2015
JACK A. GELSCO, IPLS # 3786
 EXPIRATION DATE: 11-30-2016



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 17625 Mockingbird Road
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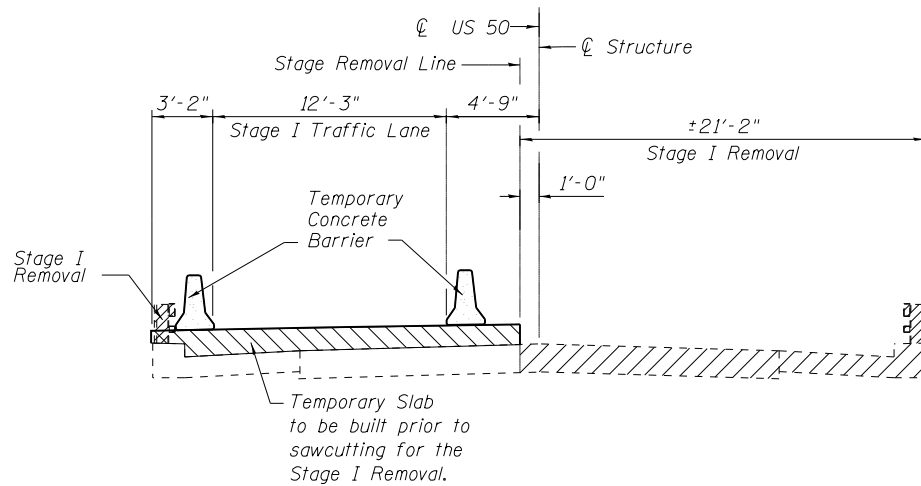
COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 6/5/2013	ROW STAKING: 5/21/2015
ILLINOIS DEPARTMENT OF TRANSPORTATION PLAT OF HIGHWAYS	
FAP ROUTE 327 (U.S. ROUTE 50) SECTION 15 BR MARION COUNTY JOB NO. R-98-011-10	
SECTION CORNER, CONTROL, AND CENTERLINE TIE SHEET	
NOT TO SCALE	SHEET 5 OF 5
ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198	
F.A.P. RTE. 327	SECTION 15BR
COUNTY MARION	TOTAL SHEETS 57
	SHEET NO. 29
CONTRACT NO. 76A23	
FED. ROAD DIST. NO. 8 [ILLINOIS] FED. AID PROJECT	

TOTAL BILL OF MATERIAL

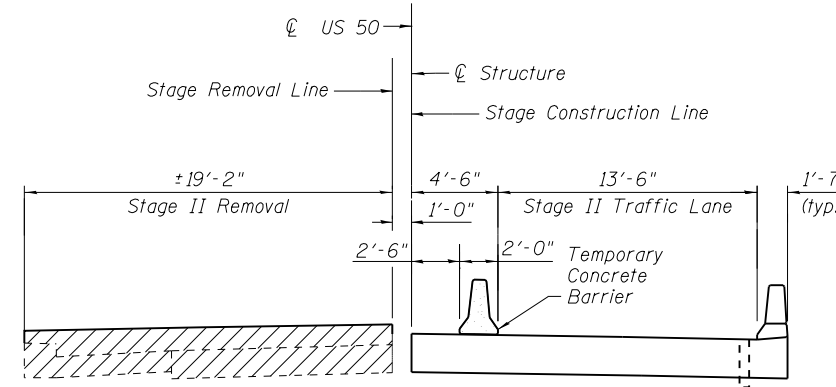
Item	Unit	Super	Sub.	Total
Granular Backfill for Structures	Cu. Yd.		83	83
Stone Riprap, Class A5	Sq. Yd.		376	376
Filter Fabric	Sq. Yd.		376	376
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		188	188
Concrete Structures	Cu. Yd.		52.2	52.2
Concrete Superstructure	Cu. Yd.	270.5		270.5
Bridge Deck Grooving	Sq. Yd.	385		385
Protective Coat	Sq. Yd.	470		470
Reinforcement Bars, Epoxy Coated	Pound	50,230	6,960	57,190
Bar Splicers	Each	282	58	340
Furnishing Metal Shell Piles 14"x0.25"	Foot		259	259
Driving Piles	Foot		259	259
Test Pile Metal Shells	Each		1	1
Name Plates	Each	1		1
Pipe Underdrains for Structures 4"	Foot		104	104
Temporary Sheet Piling	Sq. Ft.		426	426
Floor Drains	Each	4		4
Geocomposite Wall Drain	Sq. Yd.		52	52

GENERAL NOTES

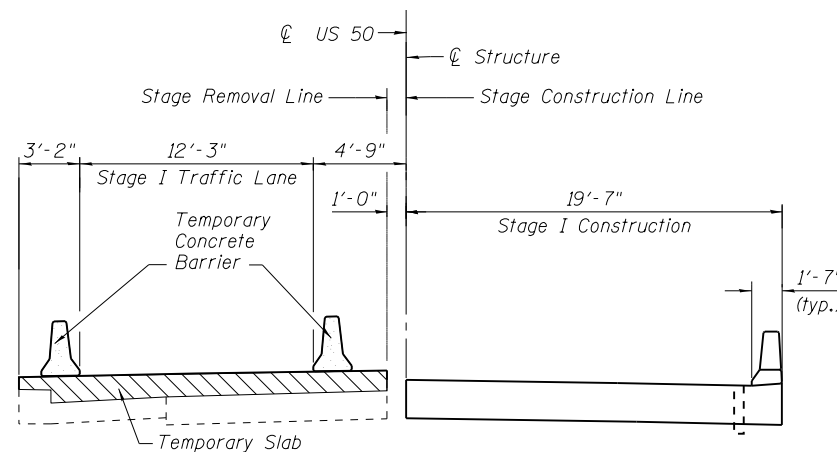
- Reinforcement bars designated (E) shall be epoxy coated.
- Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.
- The Contractor shall make allowance for the deflections of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
- The Contractor is advised that the existing bridge slab is in a deteriorated condition with a reduced load-carrying capacity. It is the Contractor's responsibility to account for the condition of the slab when developing construction procedures for stage construction and removal of the existing superstructure.



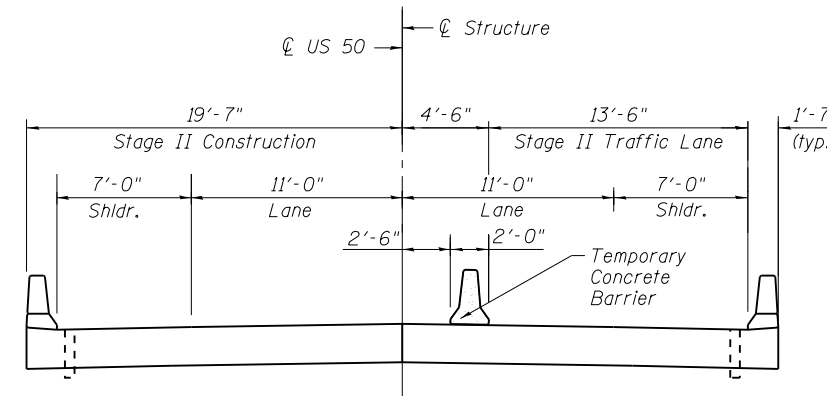
STAGE I REMOVAL



STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

NOTES

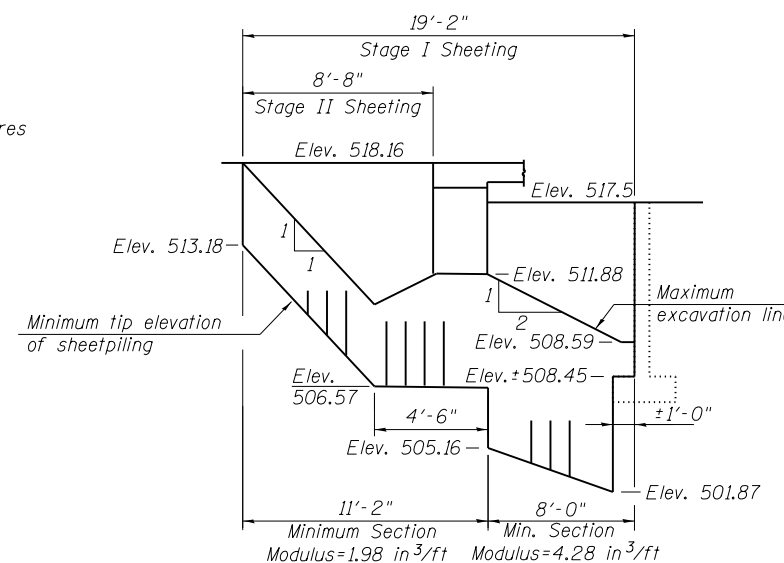
- All staging cross sections are looking West.
- For quantity of Temporary Concrete Barrier, see roadway plans.
- If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations signed and sealed by an Illinois Structural Engineer will be required for review and acceptance by the Engineer.
- The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

LEGEND

- Removal of Existing Structures
- Temporary Slab

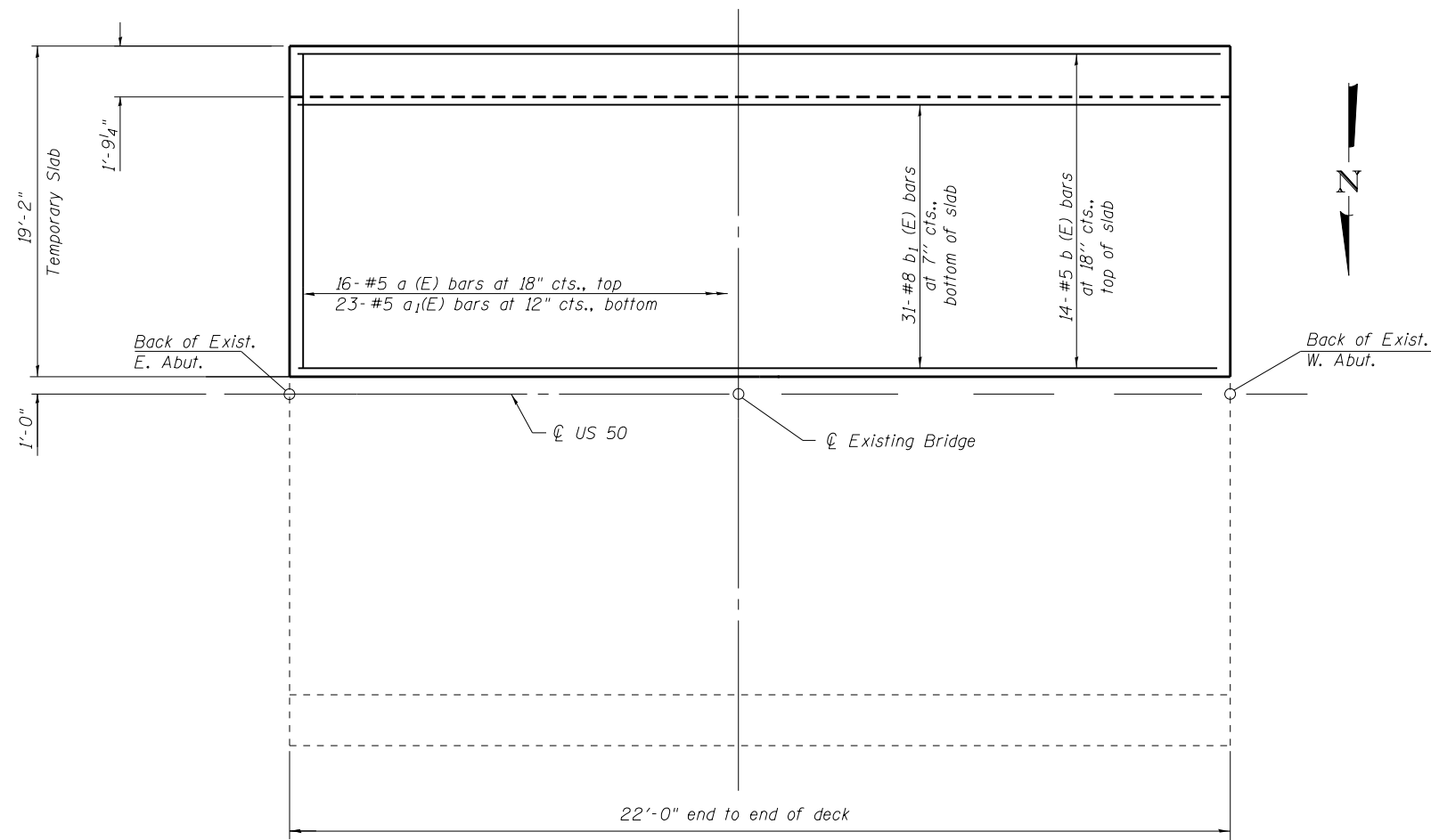


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TEMPORARY SHEETING DETAIL

FILE NAME = 0610093-76A23-002-General Data.dgn	USER NAME = mjreker	DESIGNED - SDG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 061-0093	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - JMT	REVISED -			327	15-BR	MARION	57	31	
		PLOT SCALE =	DRAWN - SDG			CONTRACT NO. 76A23					
		PLOT DATE = 10/1/2015	CHECKED - JMT			SHEET NO. 2 OF 16 SHEETS					



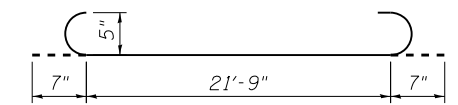
PARTIAL PLAN

Notes:
 Plan dimensions and details relative to the existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

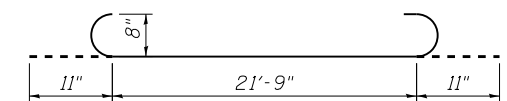
Cost of installation and subsequent removal of temporary slab shall be included with Removal of Existing Structures. All quantities shown for information only. If the Contractor chooses to alter the temporary slab design requirements shown on the plans, a design submittal including plan details and calculations sealed by a Licensed Illinois Structural Engineer will be required for review and acceptance by the Engineer.

**TEMPORARY SLAB
 BILL OF MATERIAL
 FOR INFORMATION ONLY**

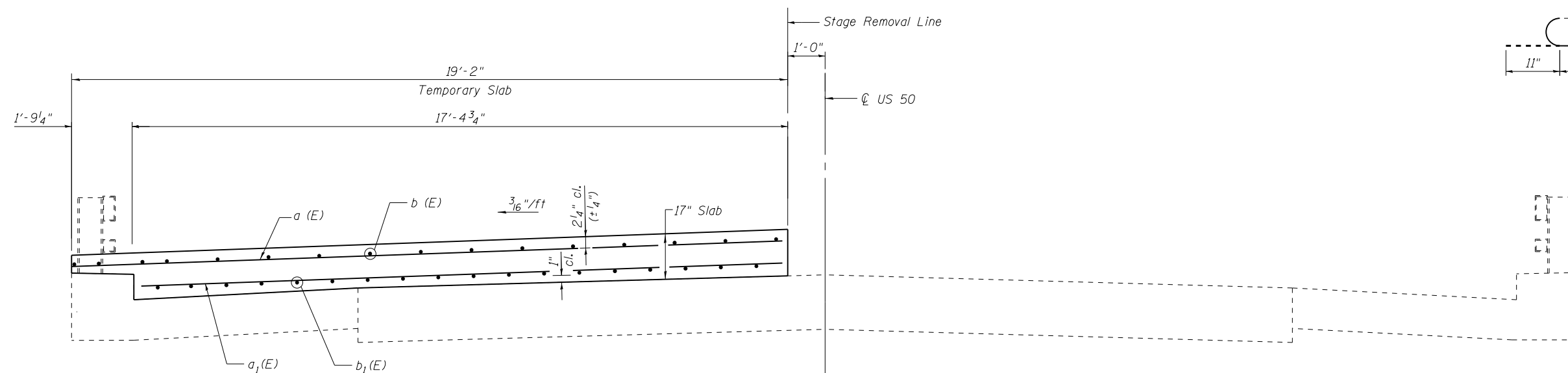
Bar	No.	Size	Length	Shape
a (E)	16	#5	18'-11"	—
a ₁ (E)	23	#5	17'-1"	—
b (E)	14	#5	22'-11"	⌋
b ₁ (E)	31	#8	23'-7"	⌋
Reinforcement Bars, Epoxy Coated			Lbs.	3,020
Concrete Superstructure			Cu. Yds.	21.4



bar b(E)



bar b₁(E)



CROSS SECTION
 (Looking West)



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FILE NAME = 0610093-76A23-083.Temp Slab Details.dgn	USER NAME = mjreker	DESIGNED - SDG	REVISED -
		CHECKED - JMT	REVISED -
		DRAWN - SDG	REVISED -
		CHECKED - JMT	REVISED -
	PLOT DATE = 10/1/2015		

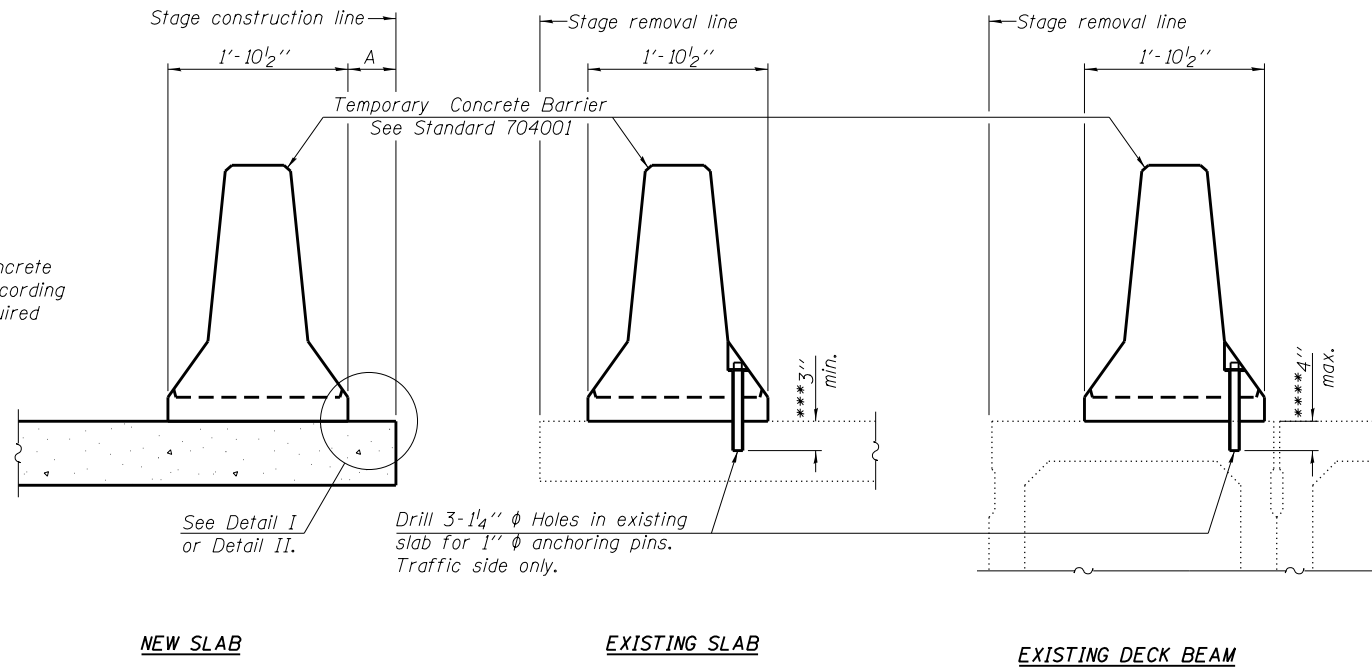
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SLAB DETAILS
 STRUCTURE NO. 061-0093**

SHEET NO. 3 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15-BR	MARION	57	32
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				

When "A" is 3'-1" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-1".



SECTIONS THRU SLAB OR DECK BEAM

NOTES

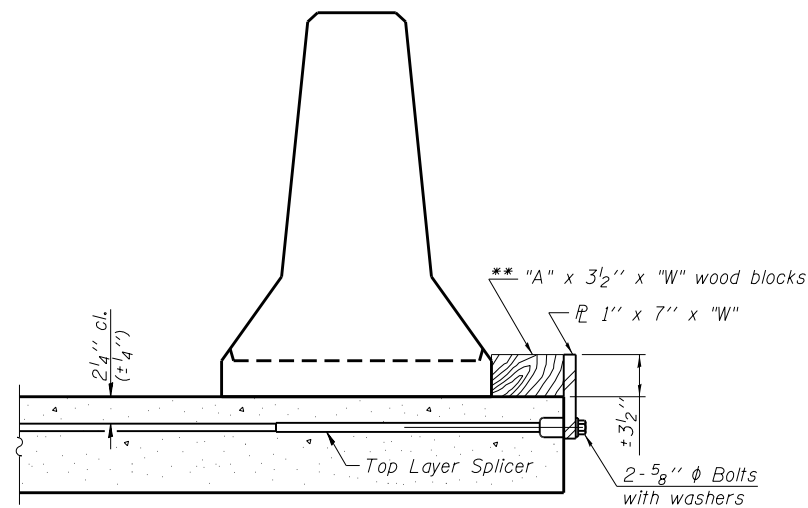
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel \bar{L} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel \bar{L} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.

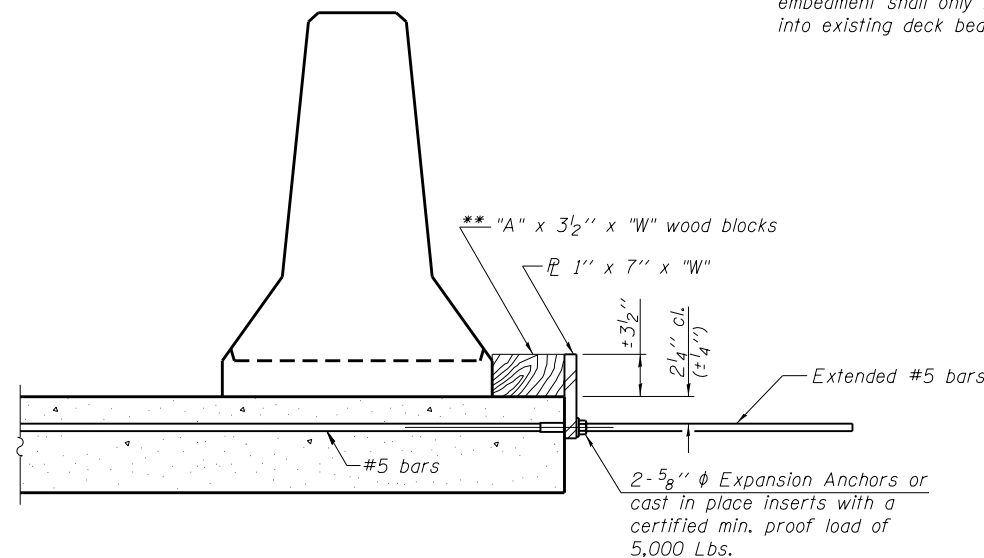
Cost of retainer assembly is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete.
If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

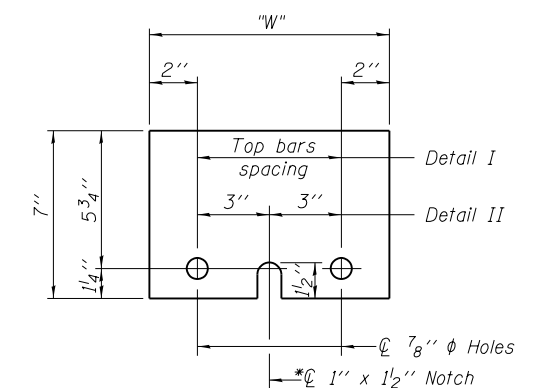
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER \bar{L} 1" x 7" x "W"

* Required only with Detail II

RETAINER ASSEMBLY

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.



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R-27

1-12-15

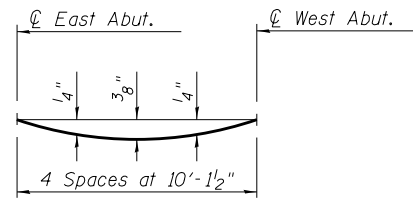
FILE NAME = 0610093-76A23-004.Temp Concrete Barrier.dgn	USER NAME = mjreker	DESIGNED - SDG	REVISED -
		CHECKED - JMT	REVISED -
		DRAWN - SDG	REVISED -
		CHECKED - SLC	REVISED -
PLOT SCALE =			
PLOT DATE = 10/1/2015			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 061-0093

SHEET NO. 4 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15-BR	MARION	57	33
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams).

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.

FACE OF SOUTH PARAPET

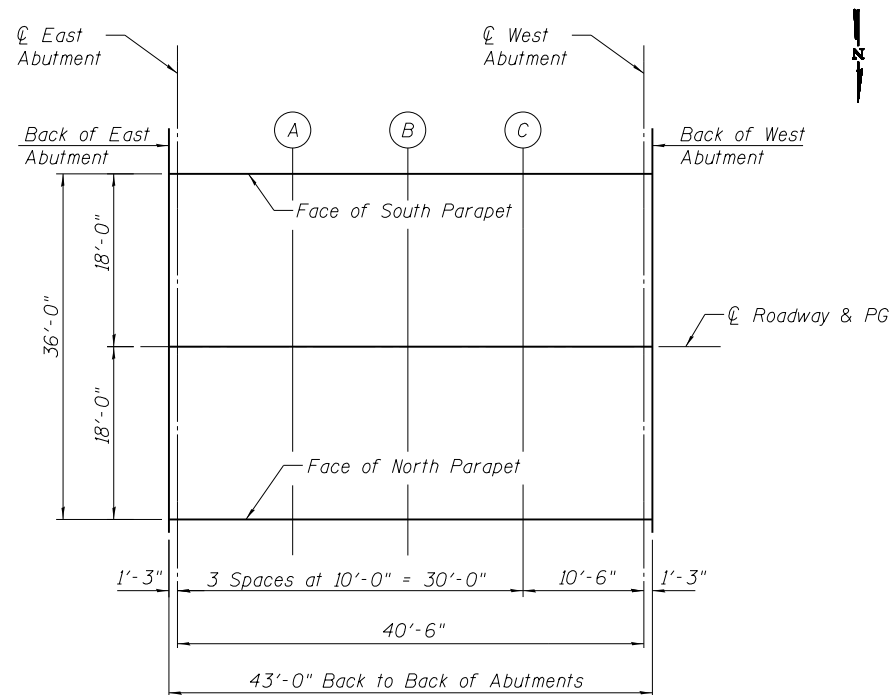
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of E. Abut.	1100+39.50	-18.00	517.85	517.85
CL E. Abut.	1100+40.75	-18.00	517.85	517.85
A	1100+50.75	-18.00	517.85	517.87
B	1100+60.75	-18.00	517.85	517.89
C	1100+70.75	-18.00	517.85	517.87
CL W. Abut	1100+81.25	-18.00	517.85	517.85
Back of W. Abut.	1100+82.50	-18.00	517.85	517.85

PG & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of E. Abut.	1100+39.50	0.00	518.16	518.16
CL E. Abut.	1100+40.75	0.00	518.17	518.17
A	1100+50.75	0.00	518.17	518.19
B	1100+60.75	0.00	518.17	518.20
C	1100+70.75	0.00	518.17	518.19
CL W. Abut	1100+81.25	0.00	518.17	518.17
Back of W. Abut.	1100+82.50	0.00	518.16	518.16

FACE OF NORTH PARAPET

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of E. Abut.	1100+39.50	18.00	517.85	517.85
CL E. Abut.	1100+40.75	18.00	517.85	517.85
A	1100+50.75	18.00	517.85	517.87
B	1100+60.75	18.00	517.85	517.89
C	1100+70.75	18.00	517.85	517.87
CL W. Abut	1100+81.25	18.00	517.85	517.85
Back of W. Abut.	1100+82.50	18.00	517.85	517.85



PLAN



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FILE NAME = 0610093-76A23-005-Top of slab elev.dgn	USER NAME = mjreker	DESIGNED - SDG	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF SLAB ELEVATIONS STRUCTURE NO. 061-0093	F.A.P. RTE. = 327	SECTION = 15-BR	COUNTY = MARION	TOTAL SHEETS = 57	SHEET NO. = 34
PLOT SCALE =	DRAWN - SDG	REVISIED -	CONTRACT NO. 76A23							
PLOT DATE = 10/1/2015	CHECKED - SLC	REVISIED -	SHEET NO. 5 OF 16 SHEETS							
						ILLINOIS FED. AID PROJECT				

FACE OF SOUTH PARAPET - EAST APPROACH

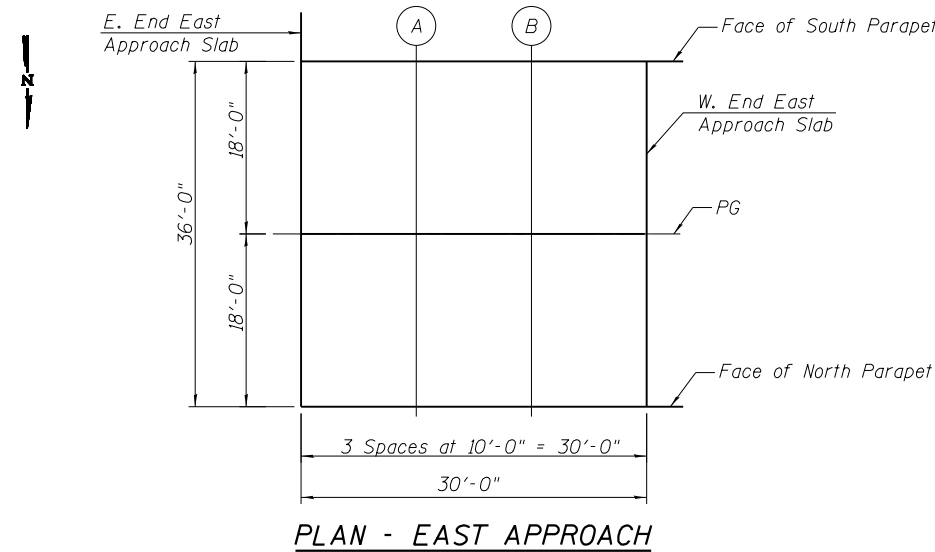
Location	Station	Offset	Theoretical Grade Elevations
E. End East Appr. Slab	1100+10.00	-18.00	517.82
A	1100+20.00	-18.00	517.83
B	1100+30.00	-18.00	517.84
W. End East Appr. Slab	1100+40.00	-18.00	517.85

PG & STAGE CONSTRUCTION JOINT - EAST APPROACH

Location	Station	Offset	Theoretical Grade Elevations
E. End East Appr. Slab	1100+10.00	0.00	518.14
A	1100+20.00	0.00	518.15
B	1100+30.00	0.00	518.16
W. End East Appr. Slab	1100+40.00	0.00	518.17

FACE OF NORTH PARAPET - EAST APPROACH

Location	Station	Offset	Theoretical Grade Elevations
E. End East Appr. Slab	1100+10.00	18.00	517.82
A	1100+20.00	18.00	517.83
B	1100+30.00	18.00	517.84
W. End East Appr. Slab	1100+40.00	18.00	517.85



FACE OF SOUTH PARAPET - WEST APPROACH

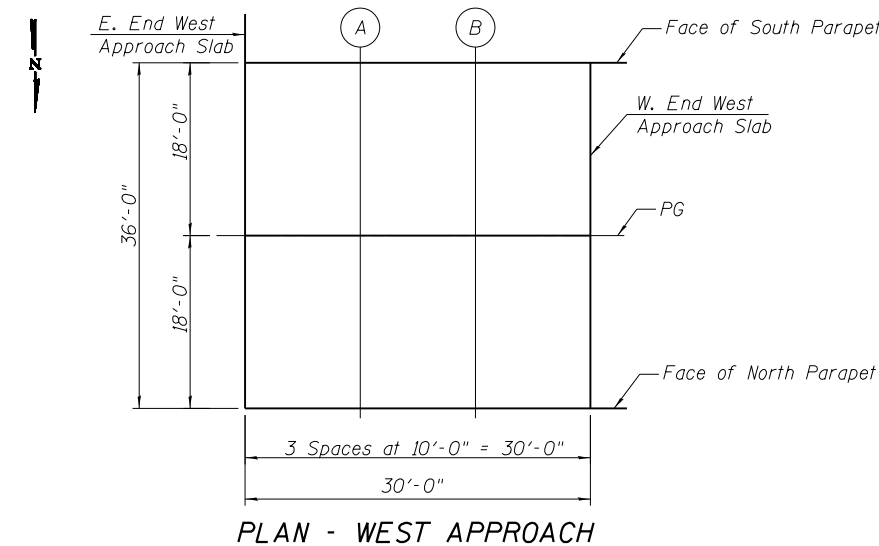
Location	Station	Offset	Theoretical Grade Elevations
E. End West Appr. Slab	1100+82.00	-18.00	517.85
A	1100+92.00	-18.00	517.84
B	1101+02.00	-18.00	517.83
W. End West Appr. Slab	1101+12.00	-18.00	517.82

PG & STAGE CONSTRUCTION JOINT - WEST APPROACH

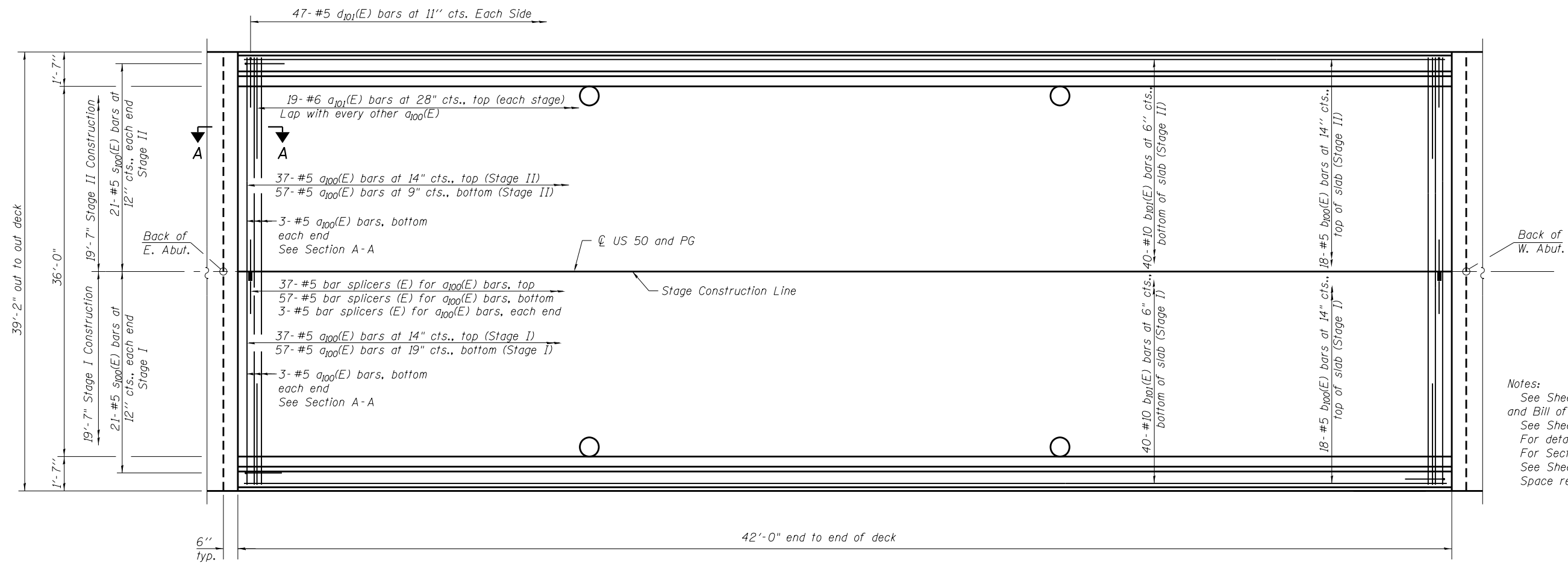
Location	Station	Offset	Theoretical Grade Elevations
E. End West Appr. Slab	1100+82.00	0.00	518.17
A	1100+92.00	0.00	518.16
B	1101+02.00	0.00	518.15
W. End West Appr. Slab	1101+12.00	0.00	518.14

FACE OF NORTH PARAPET - WEST APPROACH

Location	Station	Offset	Theoretical Grade Elevations
E. End West Appr. Slab	1100+82.00	18.00	517.85
A	1100+92.00	18.00	517.84
B	1101+02.00	18.00	517.83
W. End West Appr. Slab	1101+12.00	18.00	517.82

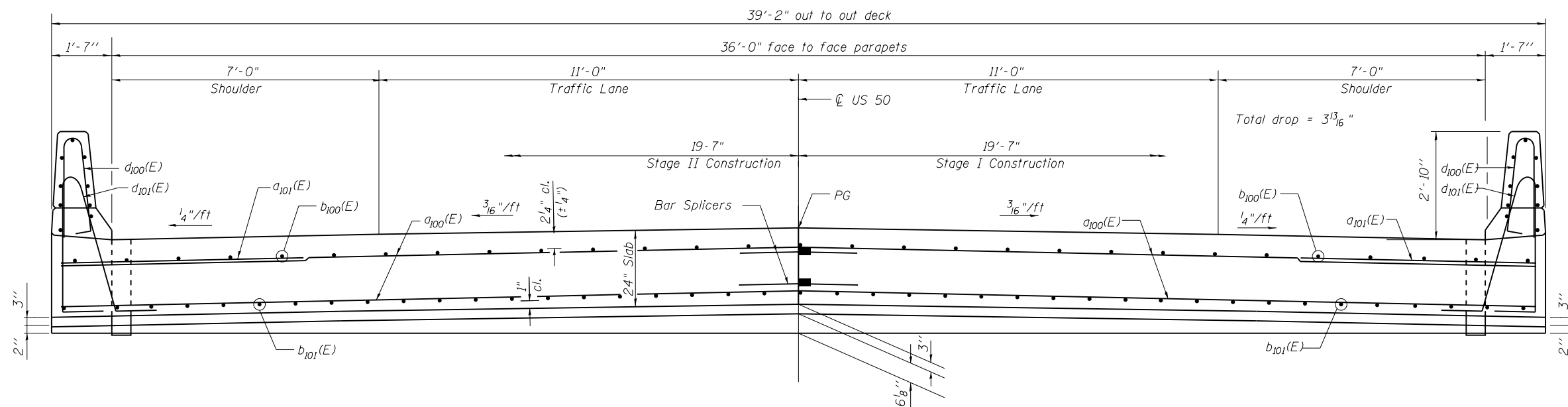


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Notes:
 See Sheet 8 of 16 for Superstructure Details and Bill of Material.
 See Sheet 8 of 16 for parapet reinforcement.
 For details of Bar Splicers, see Sheet 12 of 16.
 For Section A-A, see Sheet 8 of 16.
 See Sheet 1 of 16 for floor drain spacing.
 Space reinforcement bars to clear floor drains.

PLAN



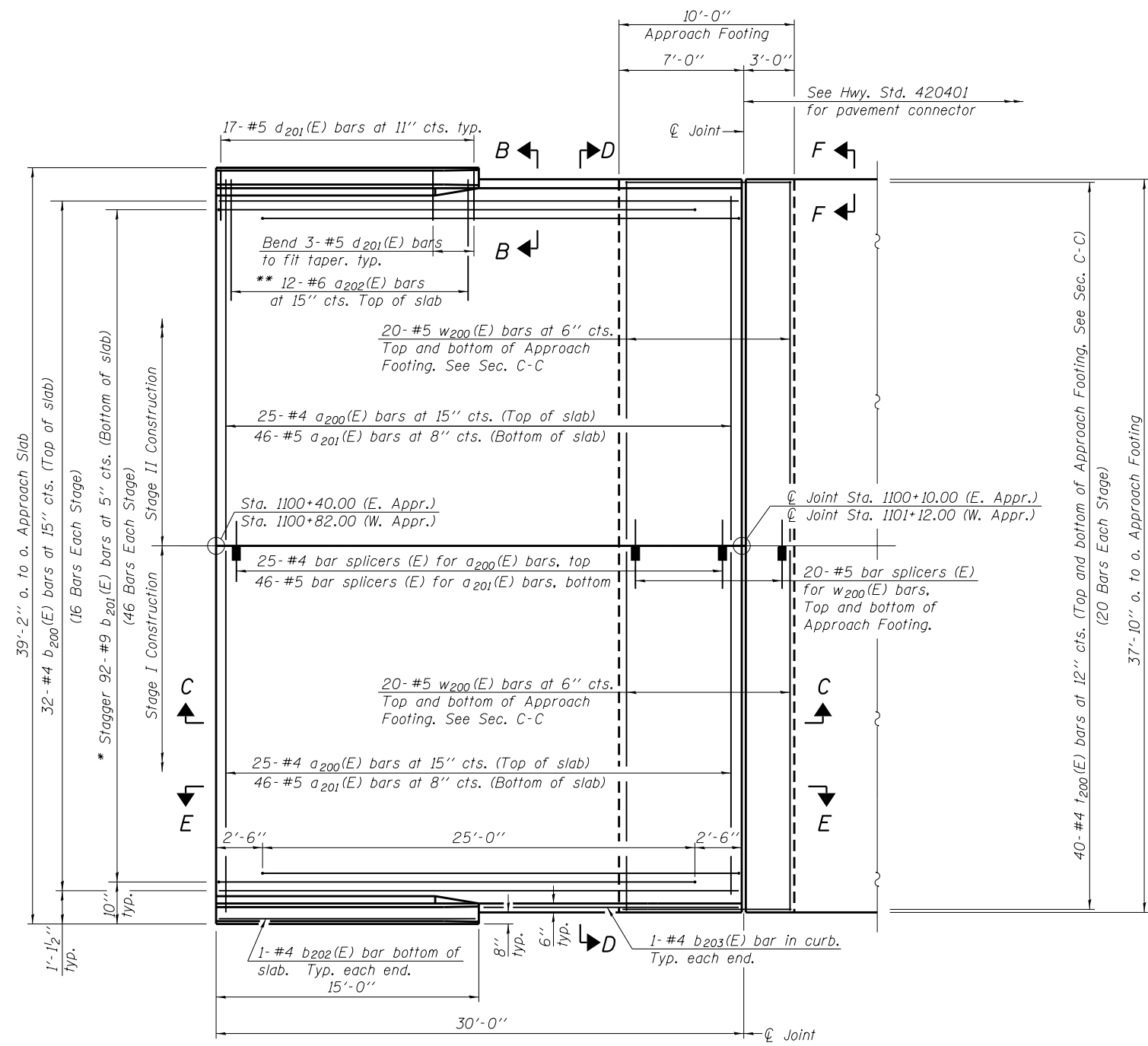
CROSS SECTION
 (Looking West)



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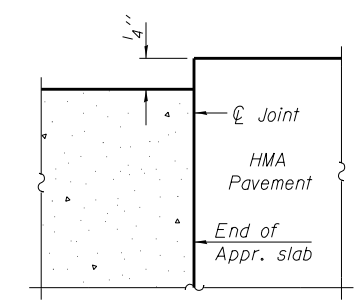
FILE NAME = 0610093-76A23-087-Superstructure.dgn	USER NAME = mjreker	DESIGNED - SDG	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO. 061-0093	F.A.P. R.T.E. = 327	SECTION = 15-BR	COUNTY = MARION	TOTAL SHEETS = 57	SHEET NO. = 36
PLOT SCALE =	DRAWN - SDG	REVISD -	CONTRACT NO. 76A23							
PLOT DATE = 10/1/2015	CHECKED - JMT	REVISD -	SHEET NO. 7 OF 16 SHEETS							
						ILLINOIS FED. AID PROJECT				

Notes:
See sheet 10 of 16 for Sections C-C & D-D and View E-E.
a₂₀₀(E) and a₂₀₁(E) bar spacings measured along \hat{C} Rdwy.

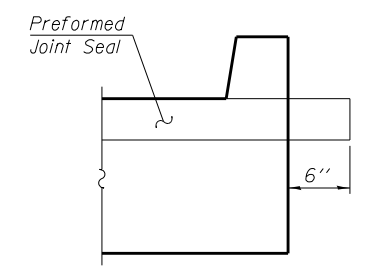


PLAN
(West approach shown)

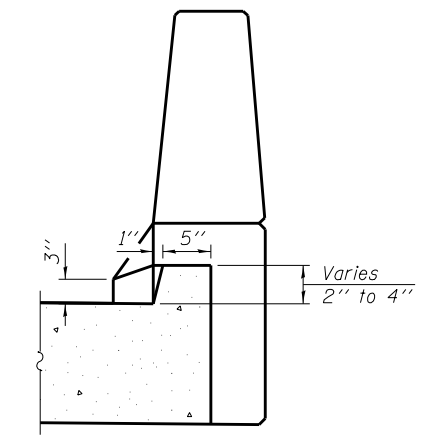
* Tilt #9 b₂₀₁(E) bars as required to maintain clearance.
** Space between a₂₀₀(E) bars, typ. ea. parapet.



FLEXIBLE PAVEMENT
DETAIL A



VIEW F-F



VIEW B-B

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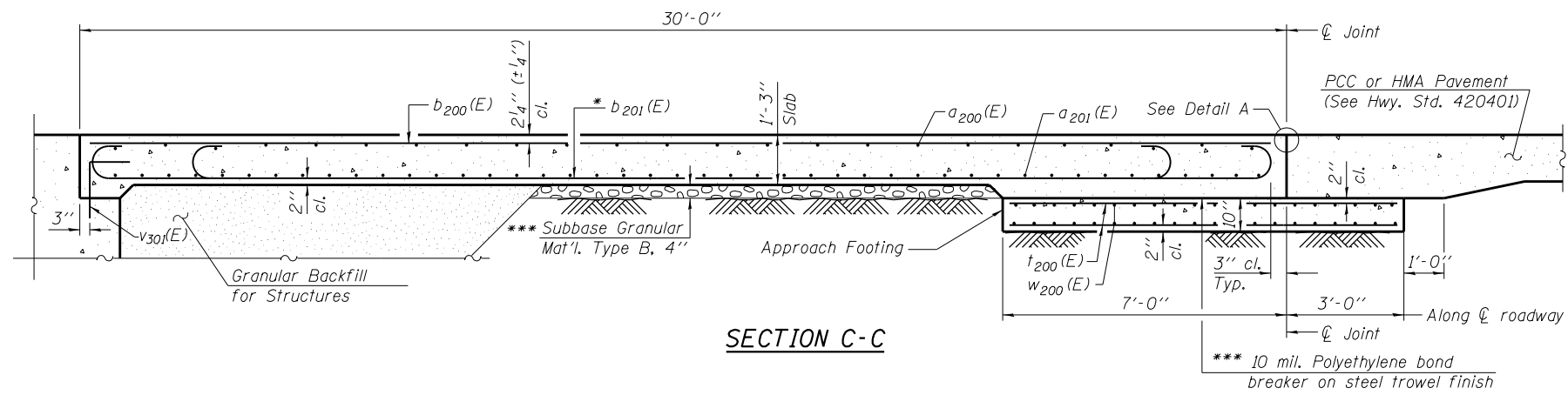
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		CHECKED - JMT	REVISED -
		DRAWN - SDG	REVISED -
		CHECKED - SLC	REVISED -
	PLOT DATE = 10/1/2015		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS I
STRUCTURE NO. 061-0093

SHEET NO. 9 OF 16 SHEETS

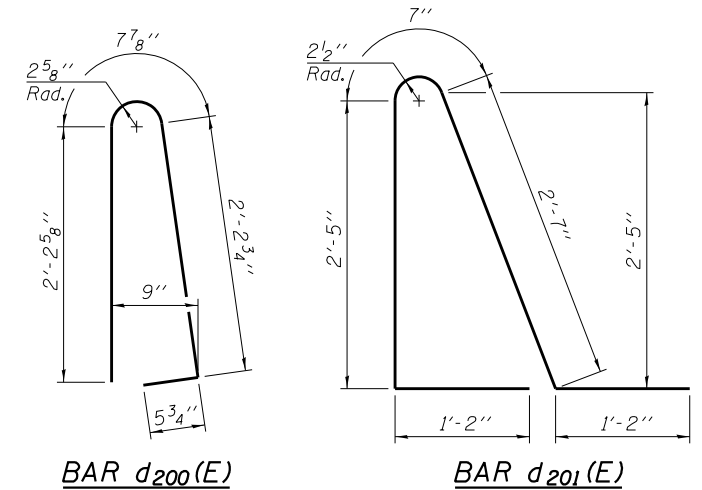
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15-BR	MARION	57	38
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				



SECTION C-C

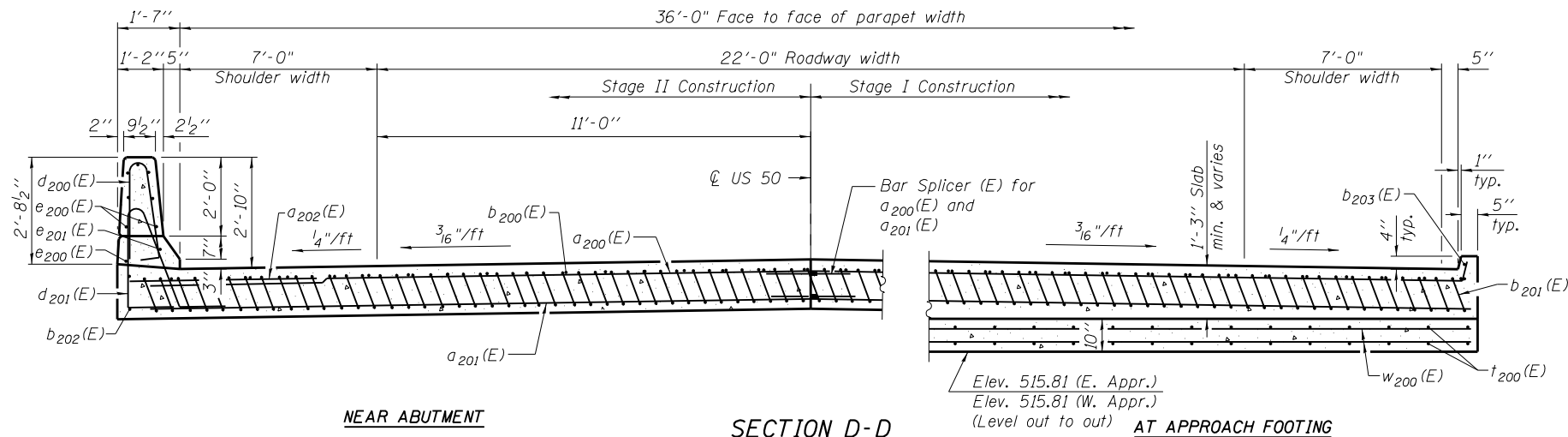
Notes:

See sheet 9 of 16 for Detail A and View B-B.
 Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v301(E) bar details, see sheet 11 of 16.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 For bar splicer details, see sheet 12 of 16.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 12 of 16.
 For additional parapet details, see sheet 8 of 16.



* Tilt #9 b201(E) bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.

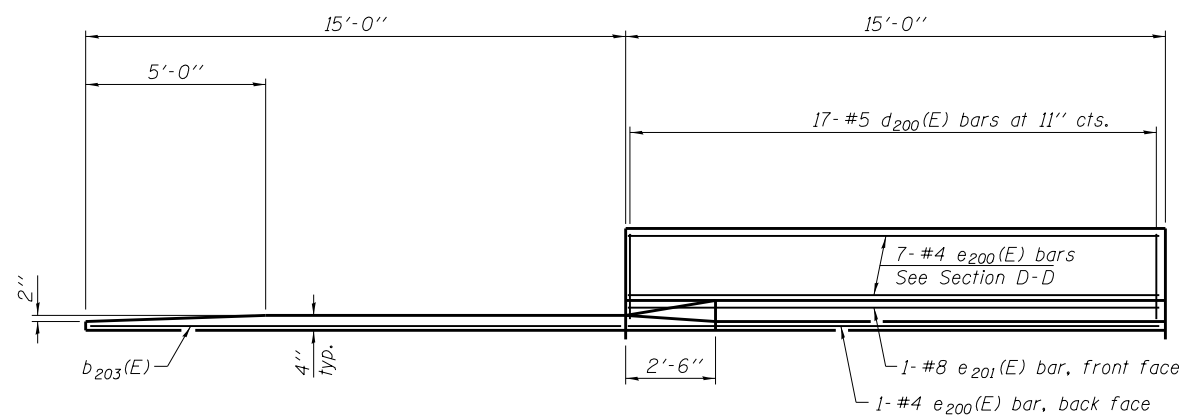


NEAR ABUTMENT

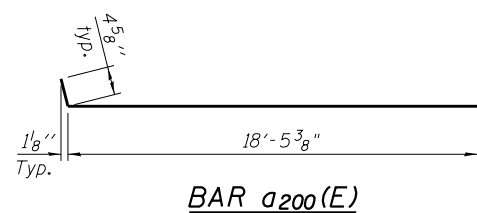
SECTION D-D

(See Plan for dimensions not shown)

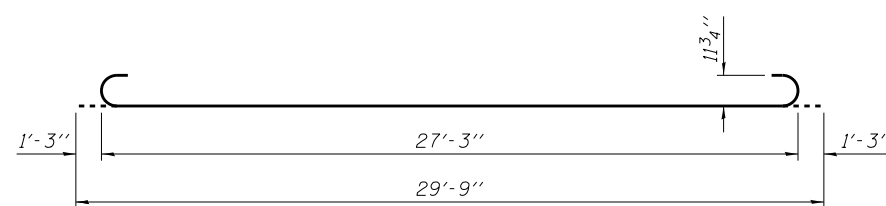
AT APPROACH FOOTING



VIEW E-E



BAR a200(E)



BAR b201(E)

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a200 (E)	100	#4	18'-10"	U
a201 (E)	184	#5	18'-8"	U
a202 (E)	24	#6	6'-6"	U
b200 (E)	64	#4	29'-8"	U
b201 (E)	184	#9	29'-9"	U
b202 (E)	4	#4	14'-8"	U
b203 (E)	4	#4	14'-9"	U
d200 (E)	68	#5	5'-7"	U
d201 (E)	68	#5	7'-11"	U
e200 (E)	32	#4	14'-8"	U
e201 (E)	4	#8	14'-8"	U
t200 (E)	80	#4	9'-8"	U
w200 (E)	160	#5	18'-8"	U
Concrete Superstructure		Cu. Yd.	135.4	
Concrete Structures		Cu. Yd.	23.4	
Reinforcement Bars, Epoxy Coated		Pound	30,100	
Bar Splicers		Each	222	

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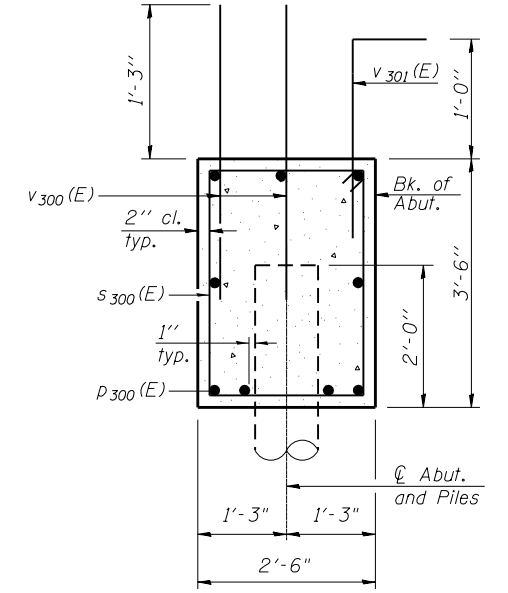
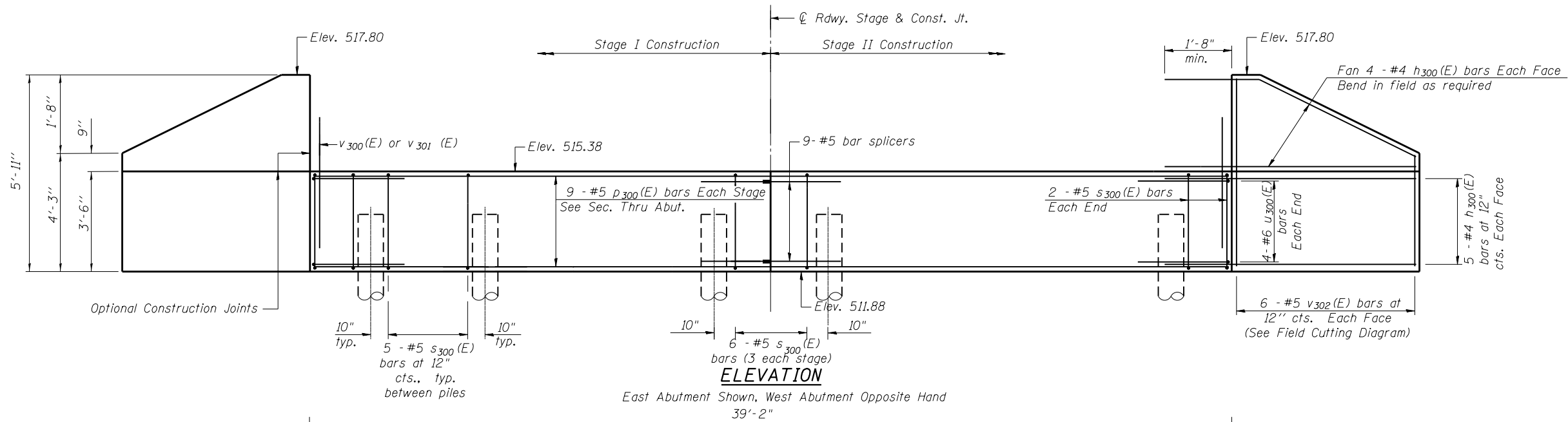
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		CHECKED - JMT	REVISED -
		DRAWN - SDG	REVISED -
		CHECKED - SLC	REVISED -
PLOT SCALE =			
PLOT DATE = 10/1/2015			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS II
STRUCTURE NO. 061-0093**

SHEET NO. 10 OF 16 SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15-BR	MARION	57	39
				CONTRACT NO. 76A23
ILLINOIS FED. AID PROJECT				

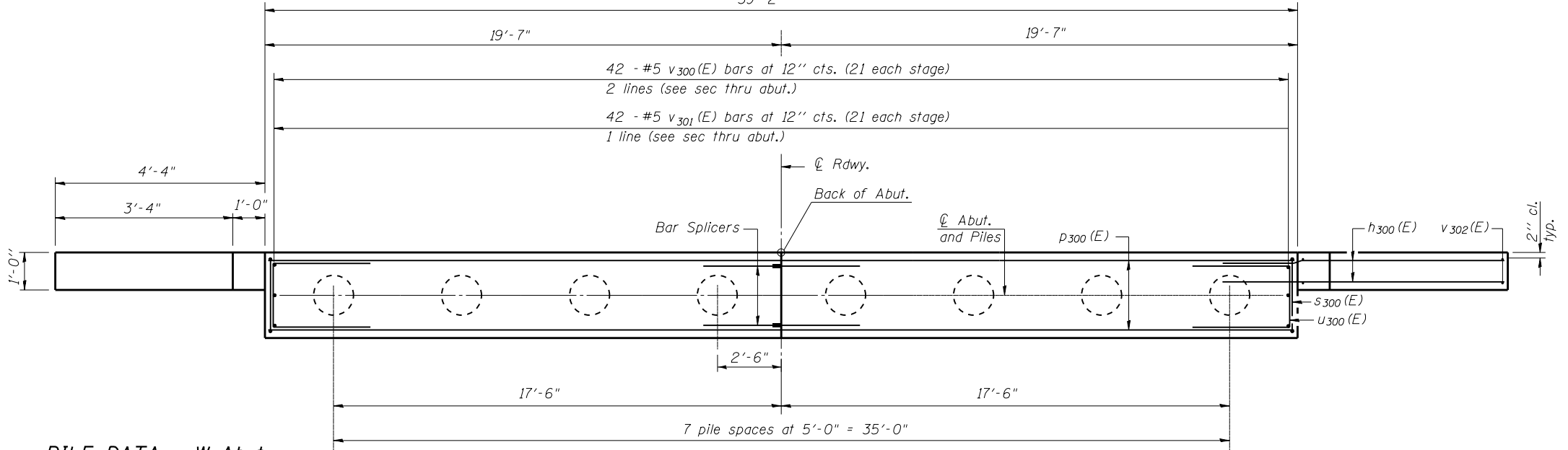


SEC. THRU ABUT.

BILL OF MATERIAL
TWO ABUTMENTS

Bar	No.	Size	Length	Shape
h ₃₀₀ (E)	72	#4	6'-3"	—
p ₃₀₀ (E)	36	#5	19'-3"	—
s ₃₀₀ (E)	80	#5	11'-7"	□
u ₃₀₀ (E)	16	#6	11'-0"	□
v ₃₀₀ (E)	168	#5	3'-5"	—
v ₃₀₁ (E)	84	#5	2'-8"	—
v ₃₀₂ (E)	24	#5	9'-6"	—
Structure Excavation		Cu. Yd.	188	
Concrete Structures		Cu. Yd.	28.8	
Reinforcement Bars, Epoxy Coated		Pound	3,330	
Furnishing Metal Shell Piles 14" x 0.25"		Foot	259	
Driving Piles		Foot	259	
Test Pile Metal Shells		Each	1	
Bar Splicers		Each	18	

For details of Bar Splicers, see sheet 12 of 16.
For details of piles, see sheet 13 of 16.



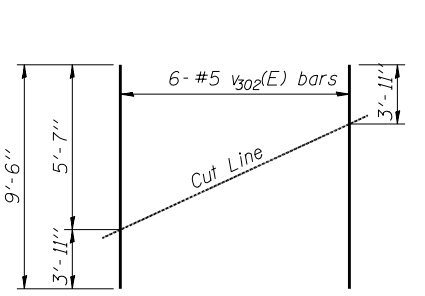
PLAN

PILE DATA - W Abut.

Type: Metal Shell - 14" φ x 0.25 in. walls
 Nominal Required Bearing: 222 kips
 Factored Resistance Available: 122 kips
 Est. Length: 21 ft.
 No. Production Piles: 7
 No. Test Piles: 1

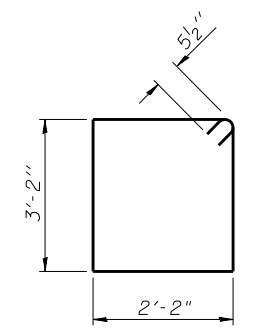
PILE DATA - E Abut.

Type: Metal Shell - 14" φ x 0.25 in. walls
 Nominal Required Bearing: 313 kips
 Factored Resistance Available: 172 kips
 Est. Length: 14 ft.
 No. Production Piles: 8
 No. Test Piles: 0

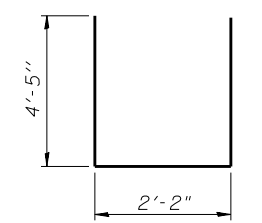


FIELD CUTTING DIAGRAM

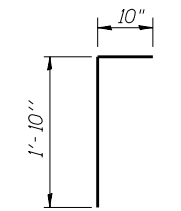
Order v₃₀₂(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s₃₀₀(E)



BAR u₃₀₀(E)



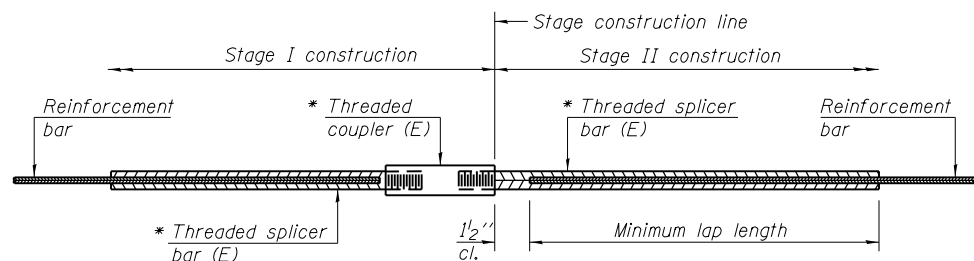
BAR v₃₀₁(E)



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 Suite 410
 St. Louis, MO 63102
 (314) 296-6765
 (314) 241-5164 Fax

AI-0 7-1-10

FILE NAME = 0610093-76A23-011-Abut.Details.dgn	DESIGNED - SDG	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ABUTMENT DETAILS STRUCTURE NO. 061-0093	F.A.P. R.T.E. = 327	SECTION = 15-BR	COUNTY = MARION	TOTAL SHEETS = 57	SHEET NO. = 40	
USER NAME = mjreker	CHECKED - JMT	REVISOR -			CONTRACT NO. 76A23					
PLOT SCALE =	DRAWN - SDG	REVISOR -			ILLINOIS FED. AID PROJECT					
PLOT DATE = 10/1/2015	CHECKED - JMT	REVISOR -			SHEET NO. 11 OF 16 SHEETS					



STANDARD BAR SPLICER ASSEMBLY

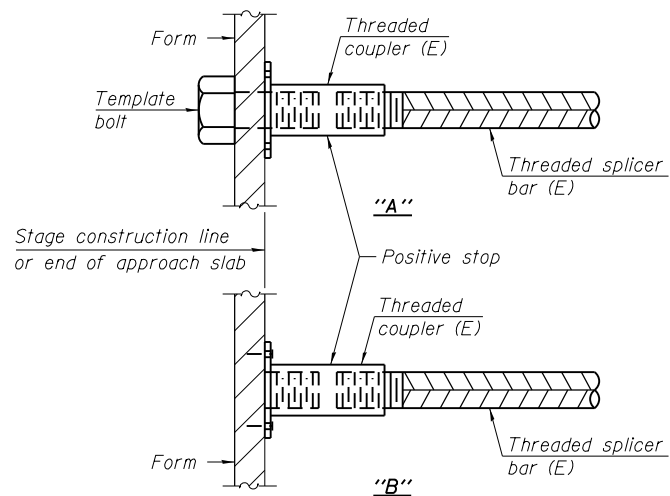
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	6'-5"	6'-10"	7'-9"	8'-7"	9'-8"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Class C
- Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

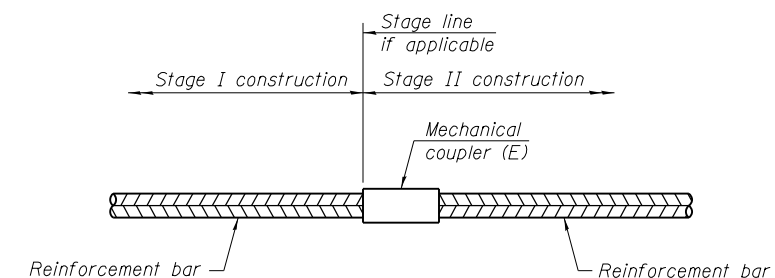
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Superstructure	#5	100	Table 4
Approach	#5	172	Table 3
Approach	#4	50	Table 3
Abutment	#5	18	Table 3



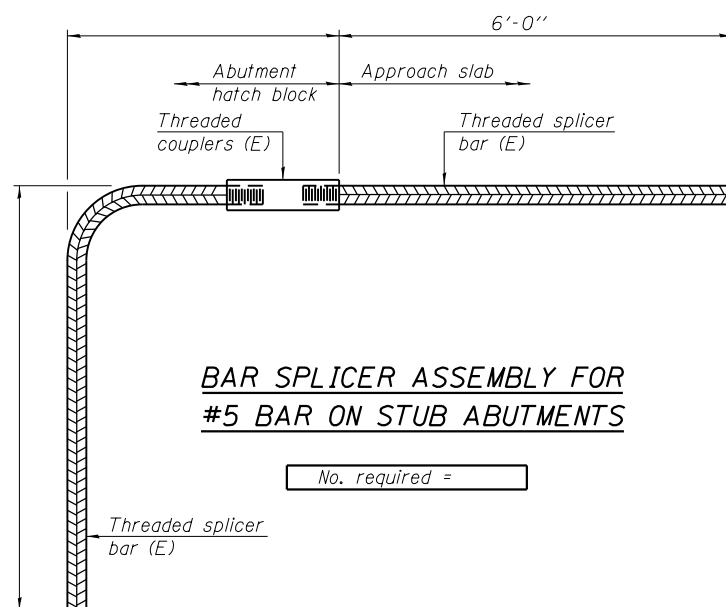
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.



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BSD-1

8-31-12

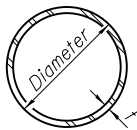
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		CHECKED - JMT	REVISED -
		DRAWN - SDG	REVISED -
		CHECKED - SLC	REVISED -
	PLOT SCALE =		
	PLOT DATE = 10/1/2015		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 061-0093

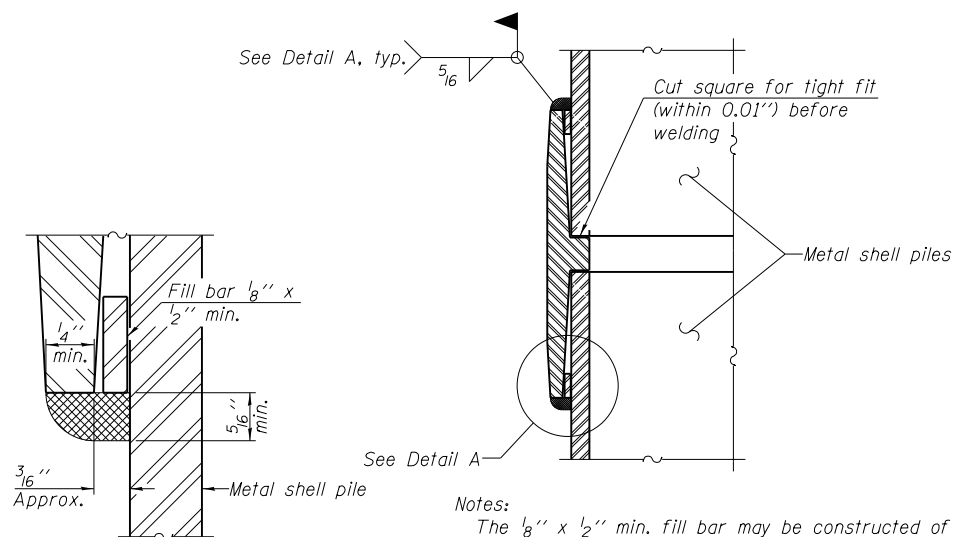
SHEET NO. 12 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15-BR	MARION	57	41
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				



METAL SHELL PILE TABLE

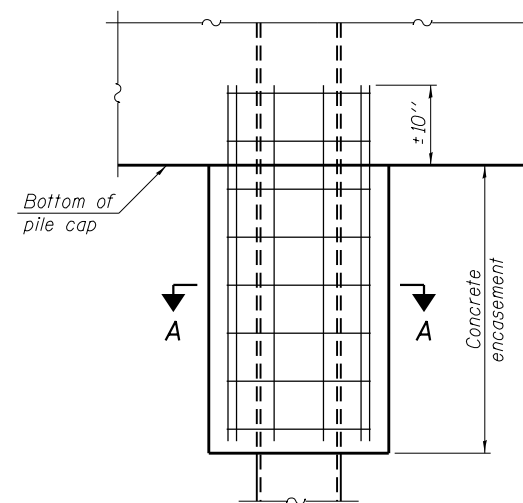
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.179"	22.60	0.0274
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361



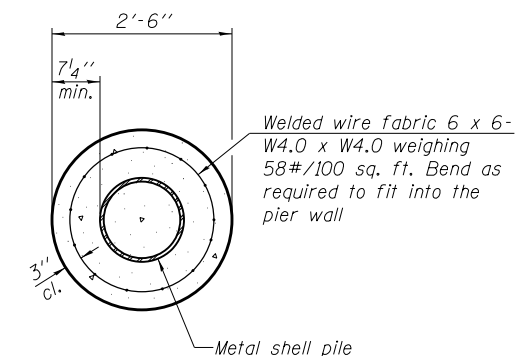
DETAIL A

Notes:
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
 Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE



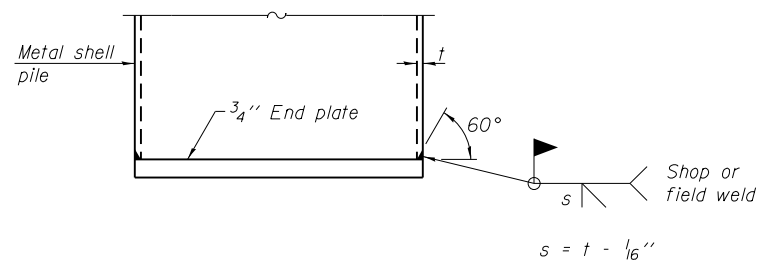
ELEVATION



SECTION A-A

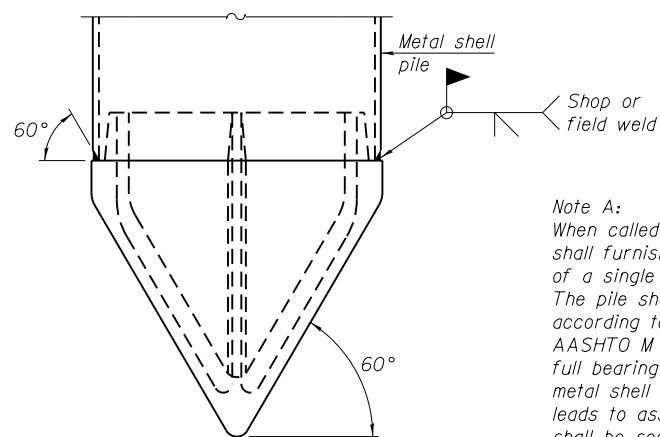
Note:
 Forms for encasement may be omitted when soil conditions permit.

CONCRETE ENCASEMENT AT PIERS



END PLATE ATTACHMENT

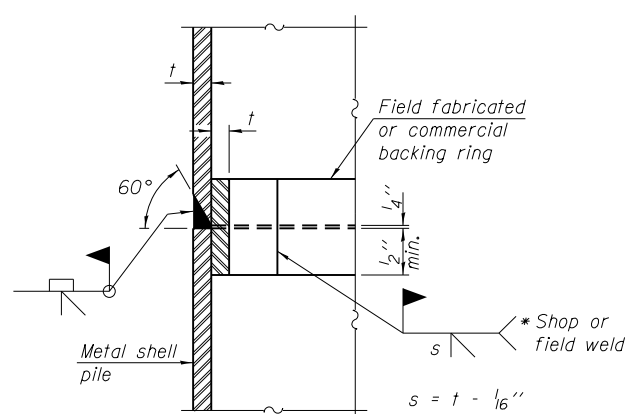
$s = t - 1/16"$



METAL SHELL PILE SHOE ATTACHMENT

(See Note A)

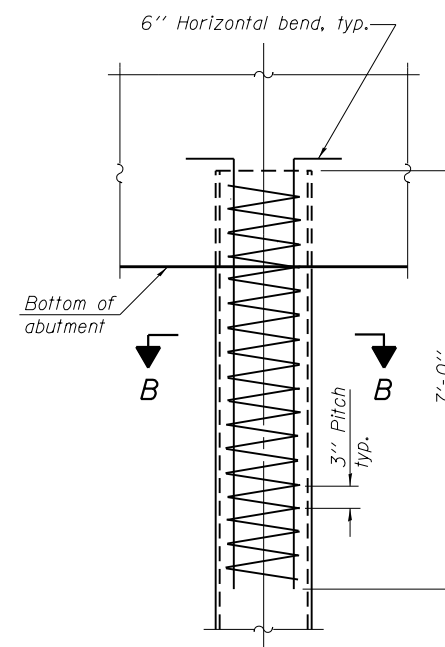
Note A:
 When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.



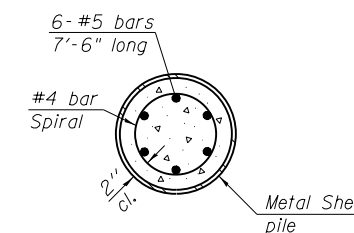
COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

Note:
 The metal shell piles shall be according to ASTM A 252 Grade 3.



ELEVATION



SECTION B-B

METAL SHELL REINFORCEMENT AT ABUTMENTS



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 (314) 296-6765
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F-MS 1-27-12

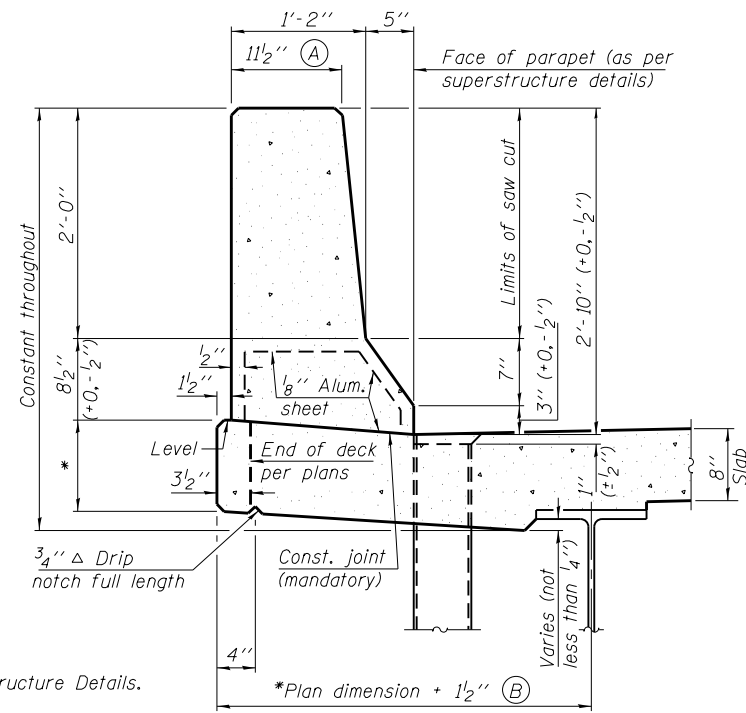
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		CHECKED - JMT	REVISED -
		PLOT SCALE =	REVISED -
		DRAWN - SDG	REVISED -
		CHECKED - SLC	REVISED -
		PLOT DATE = 10/1/2015	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**METAL SHELL PILE DETAILS
 STRUCTURE NO. 061-0093**

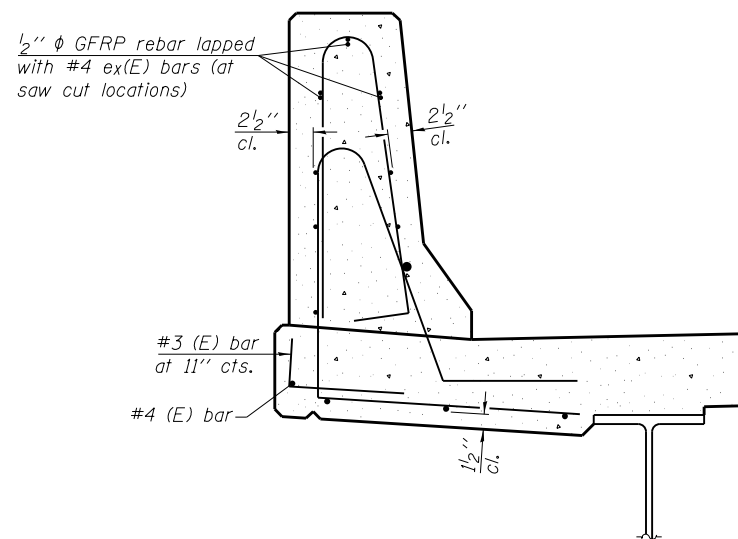
SHEET NO. 13 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15-BR	MARION	57	42
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				



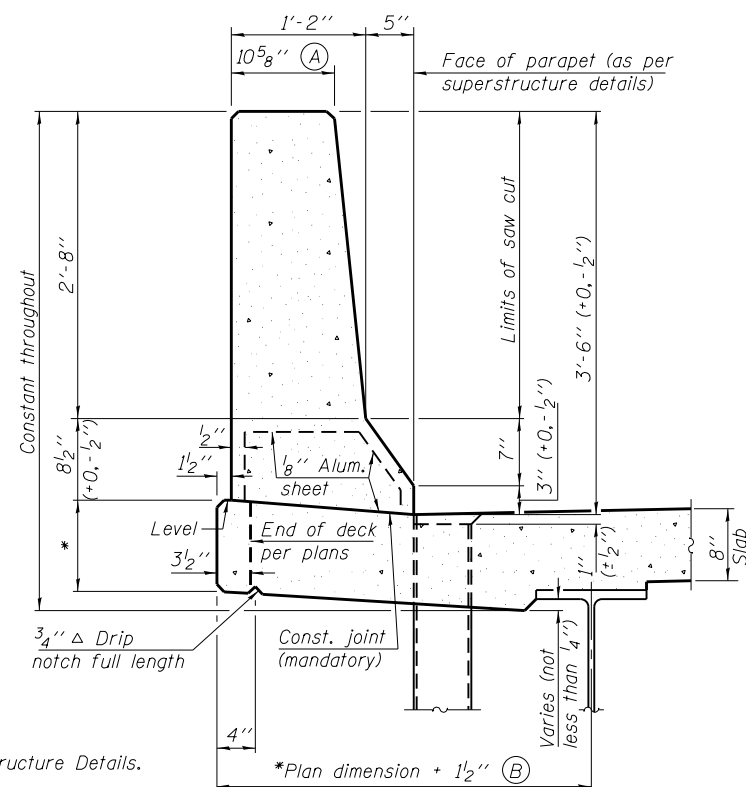
34" F SHAPE PARAPET SECTION
(Showing dimensions)

*See Superstructure Details.



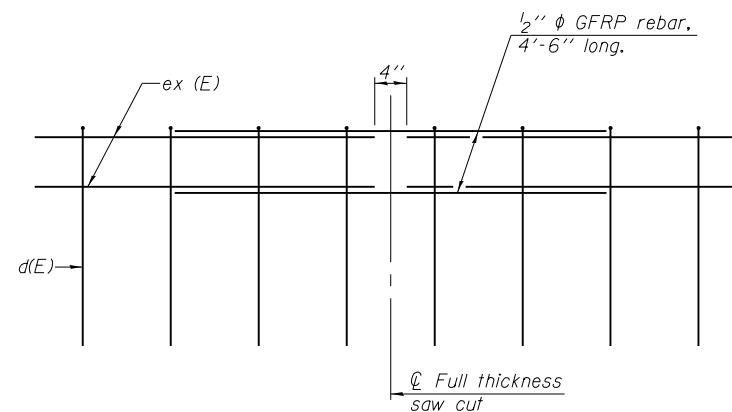
SECTION

(34" parapet shown - 42" parapet similar)
(Showing reinforcement clearances for slip forming and additional reinforcement bars)



42" F SHAPE PARAPET SECTION
(Showing dimensions)

*See Superstructure Details.

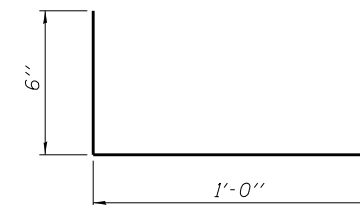


GFRP REBAR STIFFENING DETAIL

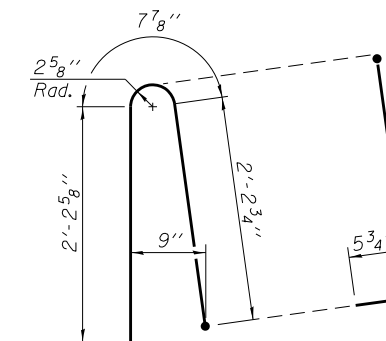
(Place as shown in parapet section at each parapet joint location.)

GENERAL NOTES

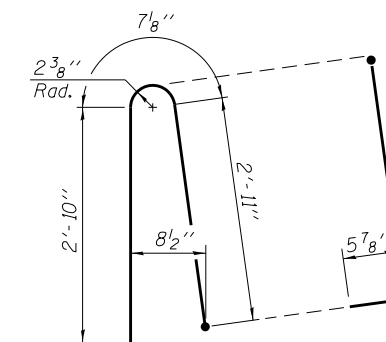
All dimensions shall remain the same as shown on superstructure details, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B = 0.0165 cu. yds./ft. for 34" parapet or = 0.0223 cu. yds./ft. for 42" parapet. Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all joint locations in lieu of cork joint filler. Steel superstructure shown. Other superstructure types similar.



#3 (E) BAR



ALTERNATE BAR d(E)
(For 34" parapet when conduit is present)



ALTERNATE BAR d(E)
(For 42" parapet when conduit is present)

TranSystems
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Suite 410
St. Louis, MO 63102
(314) 296-6765
(314) 241-5164 Fax
SFP 34-42

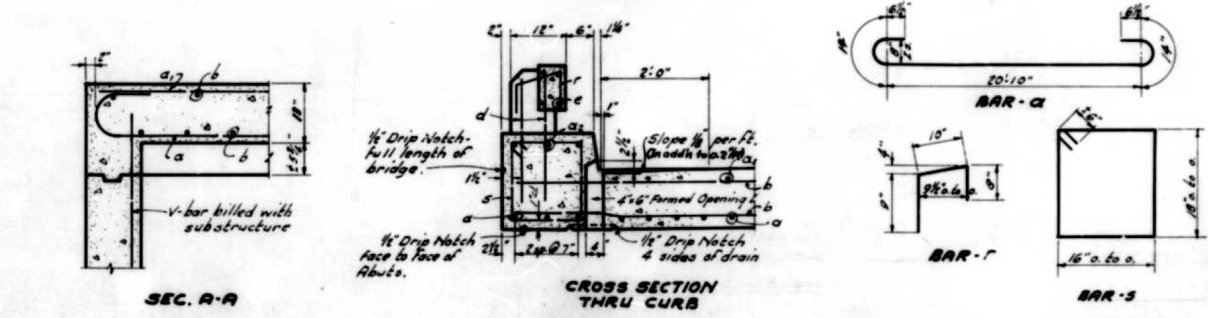
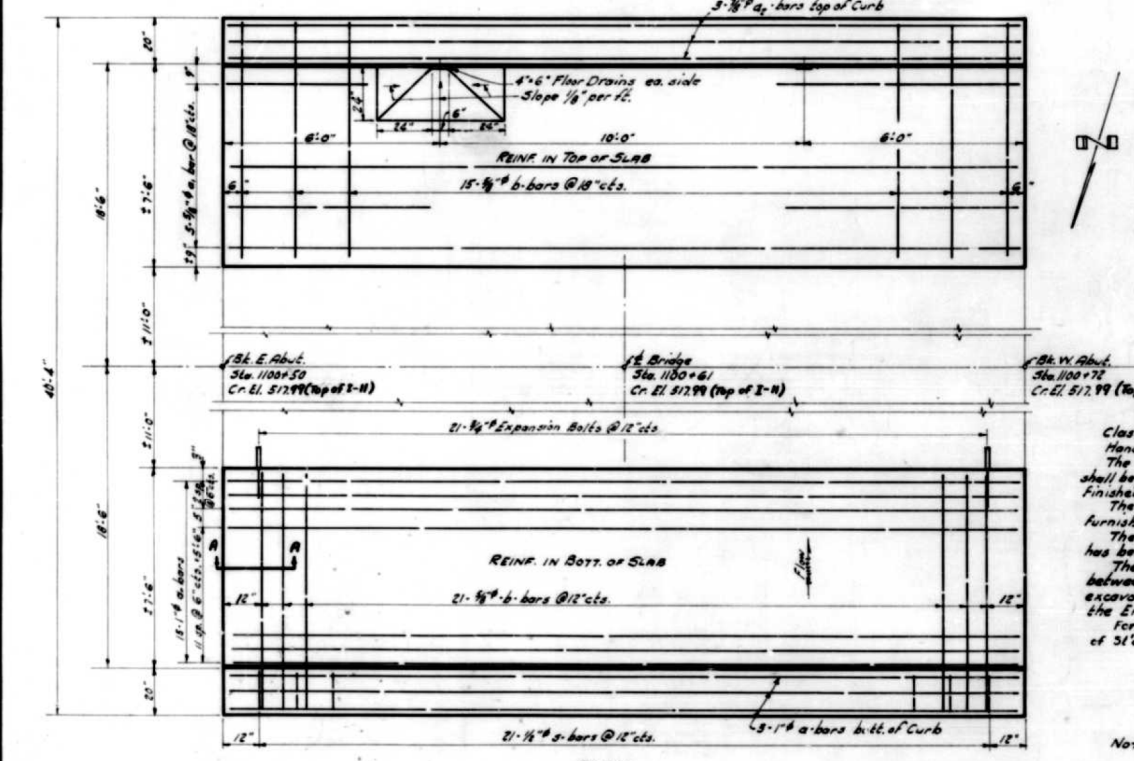
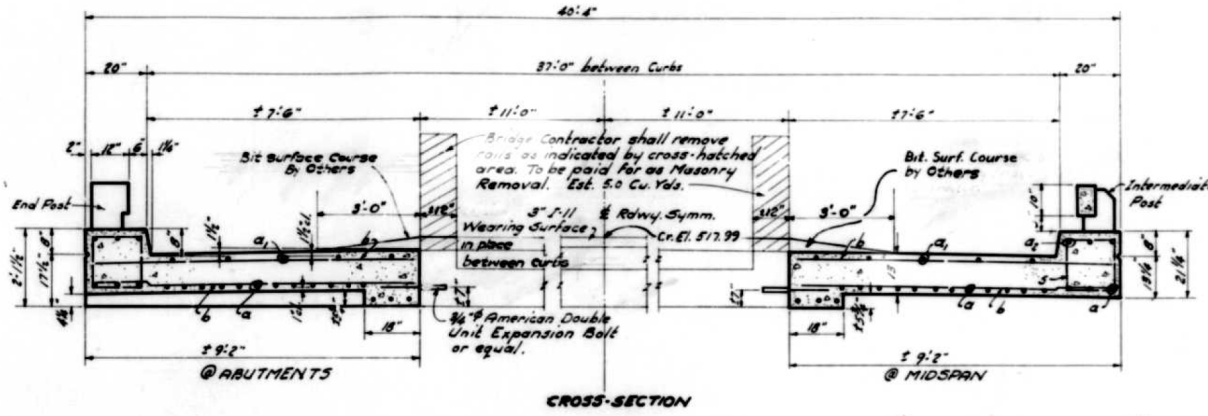
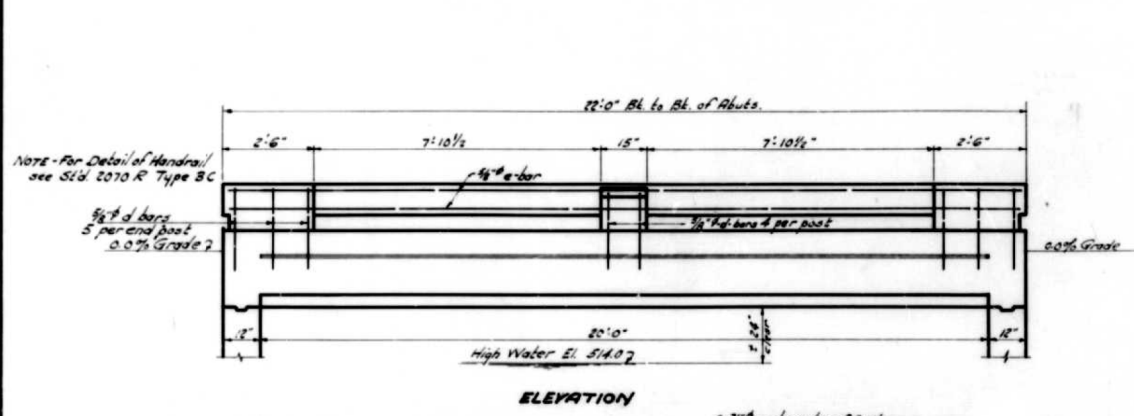
8-16-12

FILE NAME = 0610093-76A23-813a-SFP-34.dgn	USER NAME = mjreker	DESIGNED - SDG	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE PARAPET SLIPFORMING OPTION STRUCTURE NO. 061-0093	F.A.P. RTE. = 327	SECTION = 15-BR	COUNTY = MARION	TOTAL SHEETS = 57	SHEET NO. = 43
PLOT SCALE =	DRAWN - SDG	REVISIONS -	CONTRACT NO. 76A23							
PLOT DATE = 10/1/2015	CHECKED - SLC	REVISIONS -	ILLINOIS FED. AID PROJECT							
SHEET NO. 14 OF 16 SHEETS										

B.M. on N.E. Corner N. Handrail Existing Bridge. Elev. 520.94

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECTION	COUNTY	PROJECT	SHEET NO.	SHEET NO. /
12	ISBY	MARION	8	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

Class X Concrete shall be used thruout, except as noted.
Handrail Concrete shall be used in handrail.
The concrete floor slab, on each side of the existing structure, shall be poured in one continuous operation and shall be finished in accordance with Art. 61.3(c) of the Std. Specs.
The contract unit price for Expansion Bolts shall include furnishing, drilling holes, and setting Expansion Bolts.
The Handrail shall not be poured until after the falsework has been removed.
The Contractor shall excavate Channel to Elev. 510.0 between abutments and for full width of right of way. The excavated material shall be disposed of as directed by the Engineer. Est. 100 cu yds.
For backfilling behind cuts with fixed tops See Art 53.2(i) of Std Specs.

Note - For detail of Expansion Bolt see sh #2

TOTAL BILL OF MATERIAL

Item	Super	Sub	Total
Class X Concrete	Cu Yds 127	87	214
Handrail Concrete	Cu Yds 12	10	22
Reinforcement Bars	Lbs 8880	1640	10520
Expansion Bolts	Ea 42	40	82
Name Plate	Ea 1	1	2
Masonry Removal	Cu Yds 5.0	0.8	5.8
Channel Excavation	Cu Yds 100	100	200
Channel Excavation	Cu Yds 48	48	96
Class B Concrete	Cu Yds 97	97	194

BILL OF MATERIAL SUPERSTRUCTURE

Bar No	Size	Length	Shape
a	20	24'-8"	—
b	10	27'-6"	—
c	6	27'-6"	—
d	20	27'-6"	—
e	42	4'-6"	□
f	20	2'-0"	—
g	8	20'-0"	—

Class X Concrete Cu Yds 187
Reinforcement Bars Lbs 5880
Handrail Concrete Cu Yds 1
Name Plate Ea 1
Masonry Removal Cu Yds 5.0
Expansion Bolts Ea 42

STATION 1100+61
BUILT 195- BY
STATE OF ILLINOIS
S.B.I.R.T. 12 SEC. 15-BY
R.A. PROJ. F-70(C)
LOADING H-20
LETTERING FOR NAME PLATE
See Std 181

DESIGNED C. J. Campbell
CHECKED [Signature]
DRAWN [Signature]
CHECKED [Signature]

EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]

6-26-1950

WATERWAY INFORMATION
Drainage Area 845 Acres
Character level, rolling, clay, wooded, cultivated
Reg'd. Opening c/s 0.45 (Tailbot) 70 sq. ft.
Present Bridge Opening 60 sq. ft.
Proposed 80 sq. ft.

Revised bearing surface (9-20-50)

STRESSES

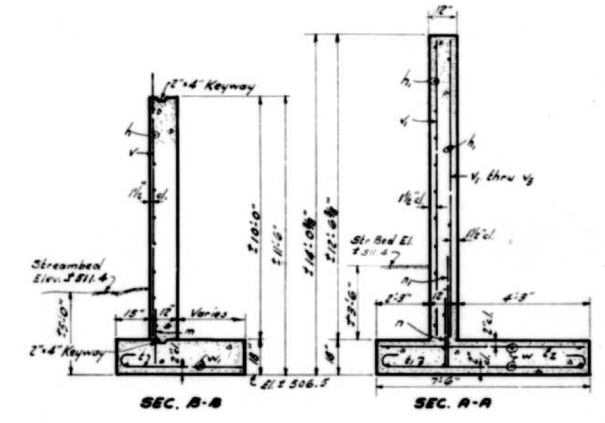
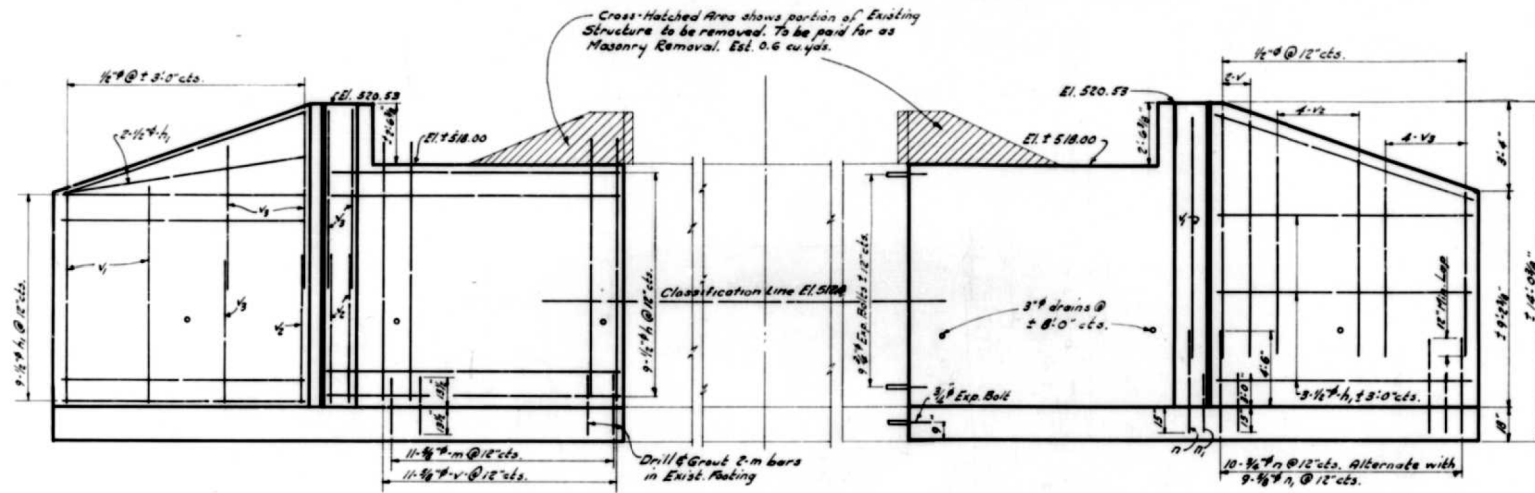
f _c	20,000 psi
f _c (super)	1,000 -
f _c (sub)	800 -
f _t	10

Loading H-20-44

SUPERSTRUCTURE PROJ. F-70(C) (S.B.I.R.T. 12) SEC. 15-BY MARION COUNTY STA. 1100+61

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

TOTAL SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
12	15B-Y	MARION	8	7	2 SHEETS
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT	

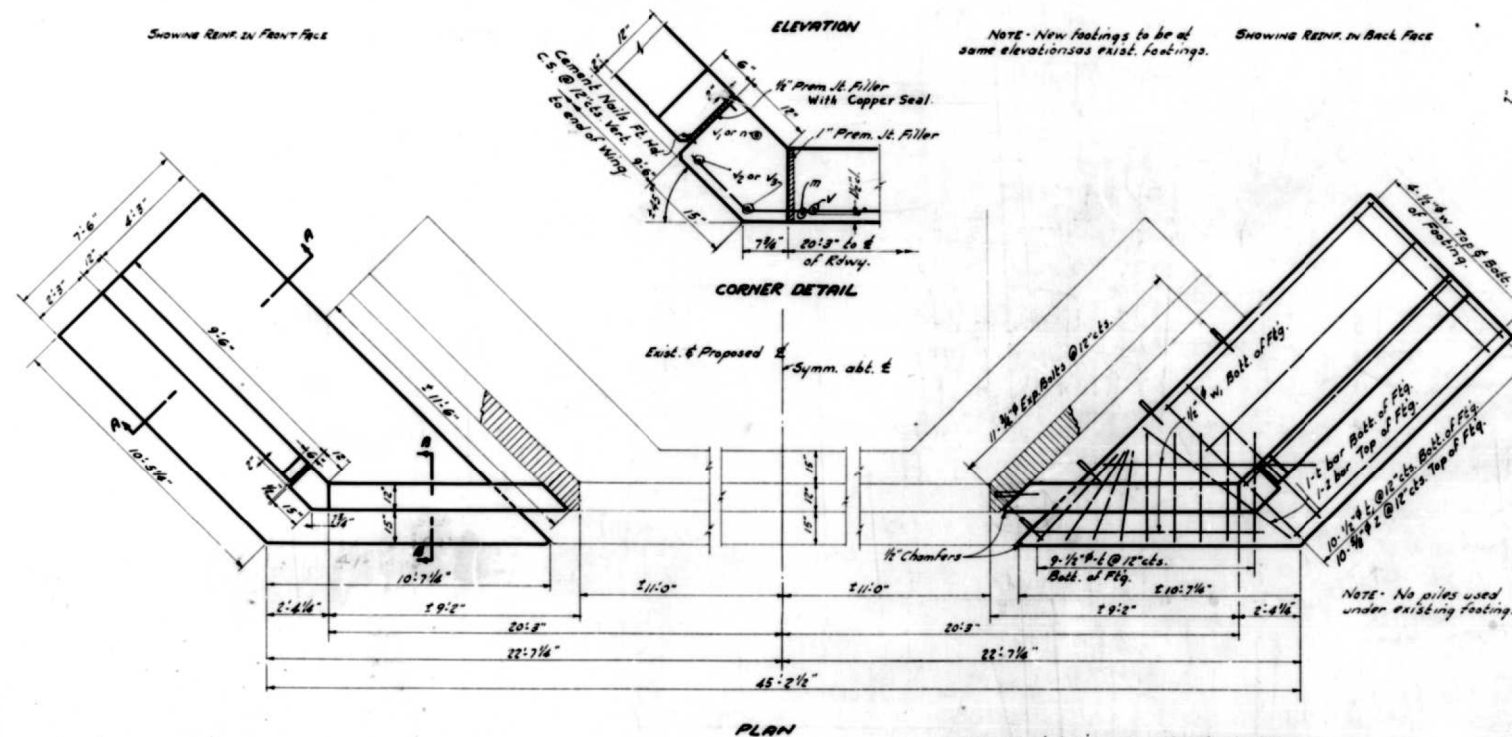


Showing REIN. in Front Face

ELEVATION

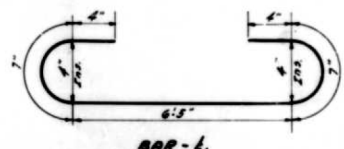
NOTE - New footings to be at same elevations as exist. footings.

Showing REIN. in Back Face

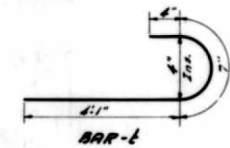


CORNER DETAIL

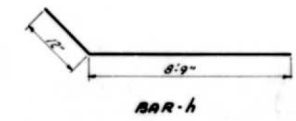
PLAN



BAR - L



BAR - E

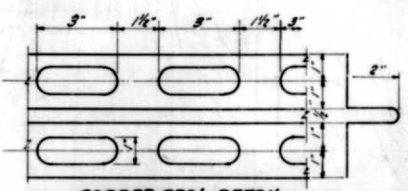


BAR - h

BILL OF MATERIAL - SUBSTR. - BARITS

Bar No.	Size	Length	Shape
v	44	11'-0"	—
w	20	7'-6"	—
x	28	7'-6"	—
y	32	6'-0"	—
h	26	9'-9"	—
h	60	9'-0"	—
l	38	5'-0"	—
l	44	8'-3"	—
z	44	7'-0"	—
w	32	10'-6"	—
w	8	8'-6"	—
m	44	2'-8"	—
n	44	5'-9"	—
n	40	4'-3"	—

Class A Concrete Cu Yds 56.2
Reinforcement Bars lbs 3100
Masonry Removal Cu Yds 12
Expanding Bolts Ea 80
Class A Excav for Structures Cu Yds 43
Class B Excav for Structures Cu Yds 178



COPPER SEAL DETAIL

Copper Seal shall be 16 oz coldrolled annealed copper with perforated flanges. Splices, if necessary shall be soldered or brazed. Seal shall included in contract unit price for Class A Concrete.

DESIGNED: *Ralph H. H. H.*
CHECKED: *J. J. J.*
DRAWN: *R. H. H.*
CHECKED: *J. J. J.*

EXAMINED: *G. V. V.*
PASSED: *H. H. H.*
APPROVED: *E. M. M.*

6-26-1950

Revised 3/14/51. Added Classification Line and Class A & B Excavation for Structures N.C.C.

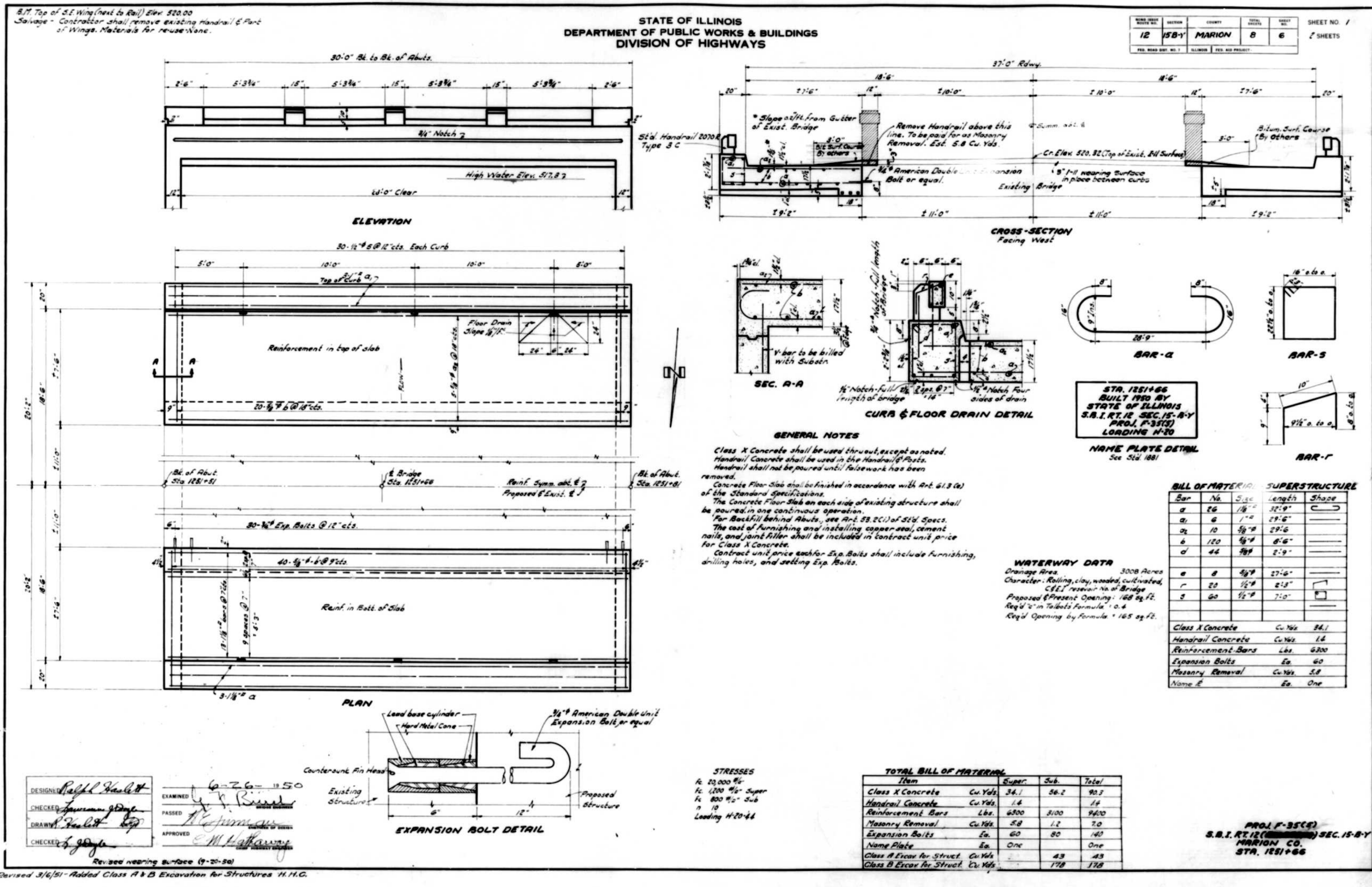
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

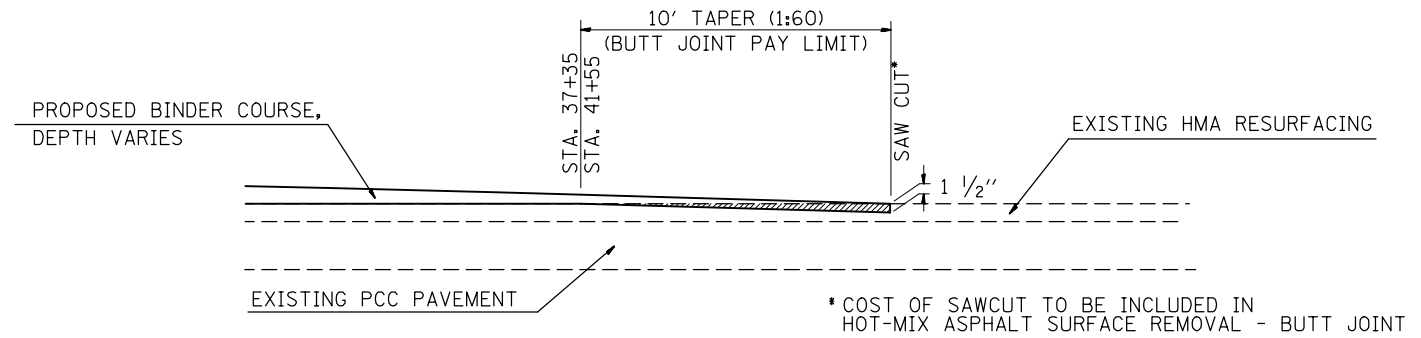
EXISTING STRUCTURE DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

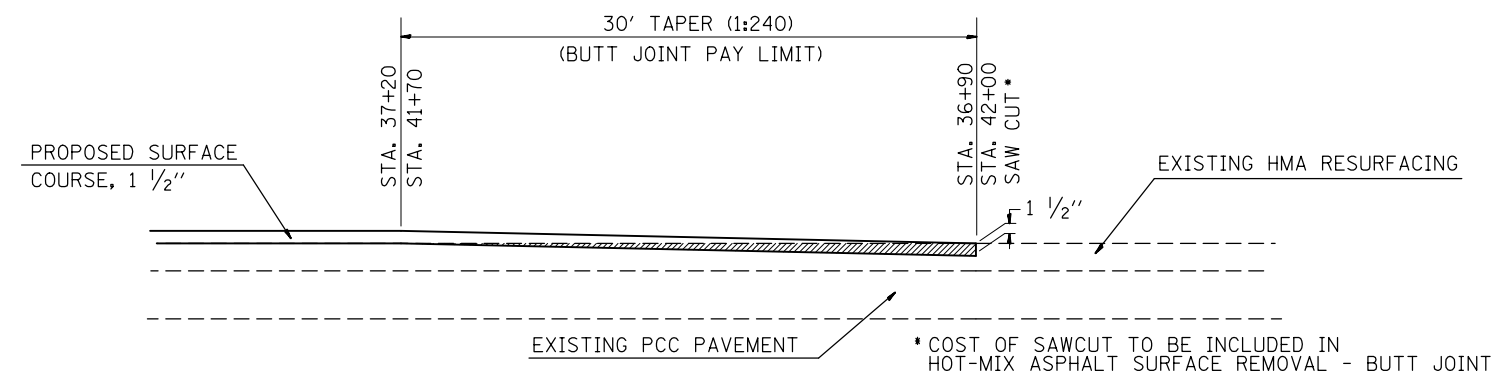
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	15BR	MARION	57	48
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = DntelmonJN	DESIGNED -	REVISED -
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 8\Projects\ed07\Drawings\LEADsheets\D876A23-ext struc	DRAWN	CHECKED -	REVISED -
Default	PLOT DATE = 8/13/2015	DATE -	REVISED -





**JOINT DETAIL FOR TEMP. RAMP
DURING STAGE CONSTRUCTION**
ELEVATION VIEW

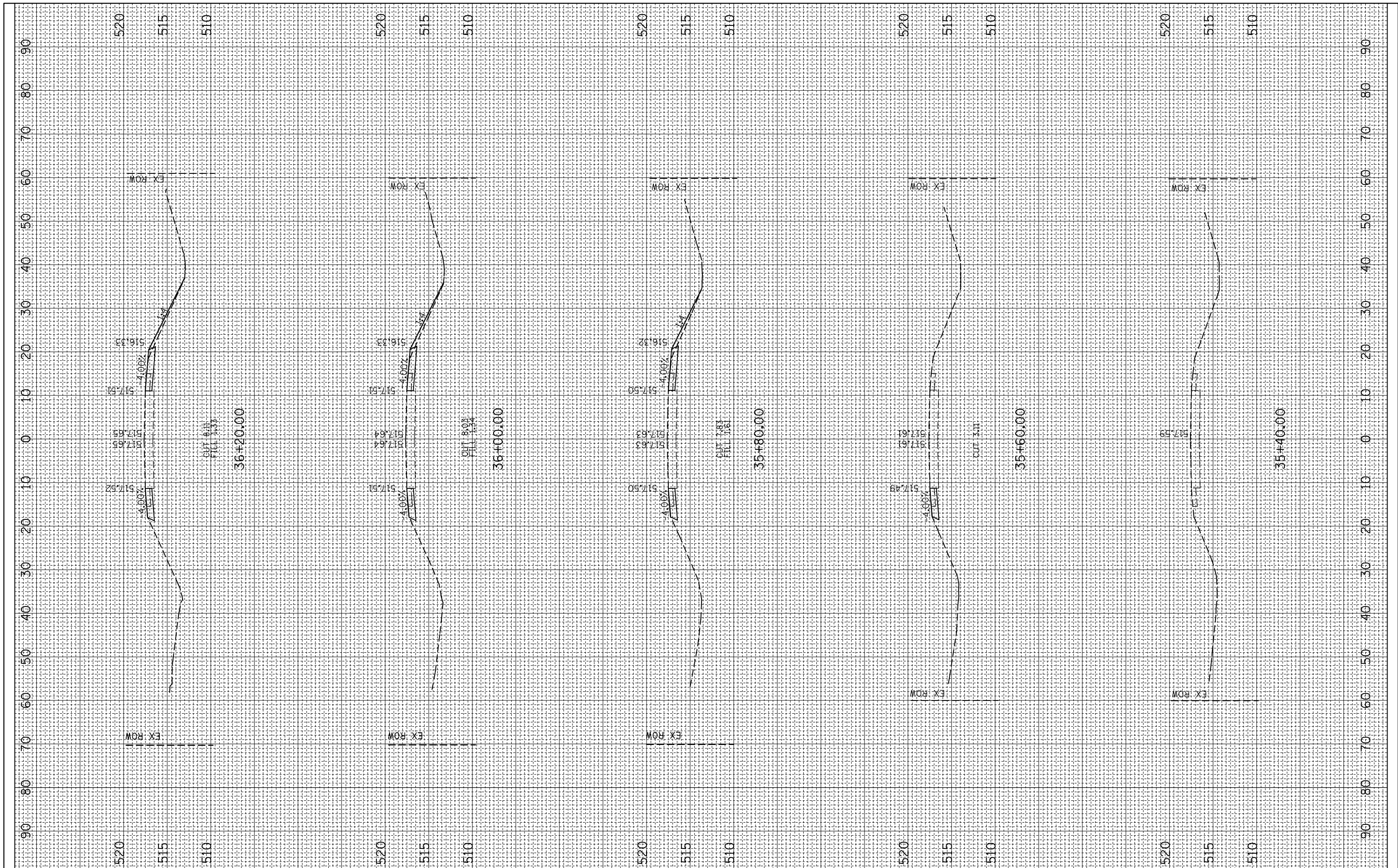


**JOINT DETAIL FOR
FINAL RESURFACING**
ELEVATION VIEW

FILE NAME = p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\ed07\Drawings\CADsheets\D876A23-sht-detail	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1000.0000 ' / in.	CHECKED -	REVISED -					327	110BR-1	MADISON	57	50
PLOT DATE = 8/13/2015	DATE -	REVISED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
					CONTRACT NO. 76A23							

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME =
 c:\pw_work\pwidot\dntelmonj1\dms71573\0876423-sh-t-x-final.dgn
 Default

USER NAME = dntelmonj1
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 8/13/2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

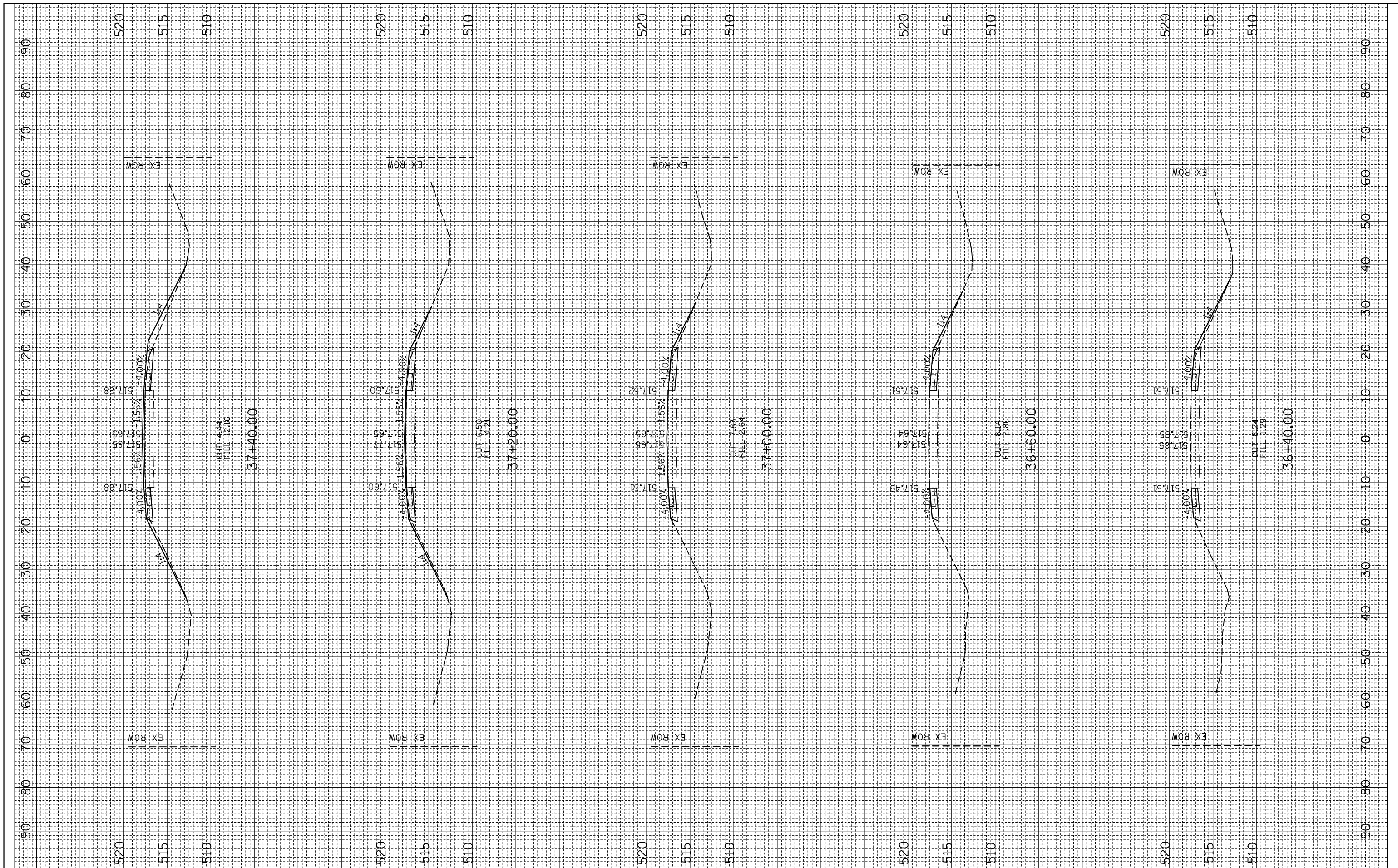
CROSS SECTION

SCALE: SHEET OF SHEETS STA. 35+00.00 TO STA. 36+20.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	110BR-1	MADISON	57	51
CONTRACT NO. 76A23			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

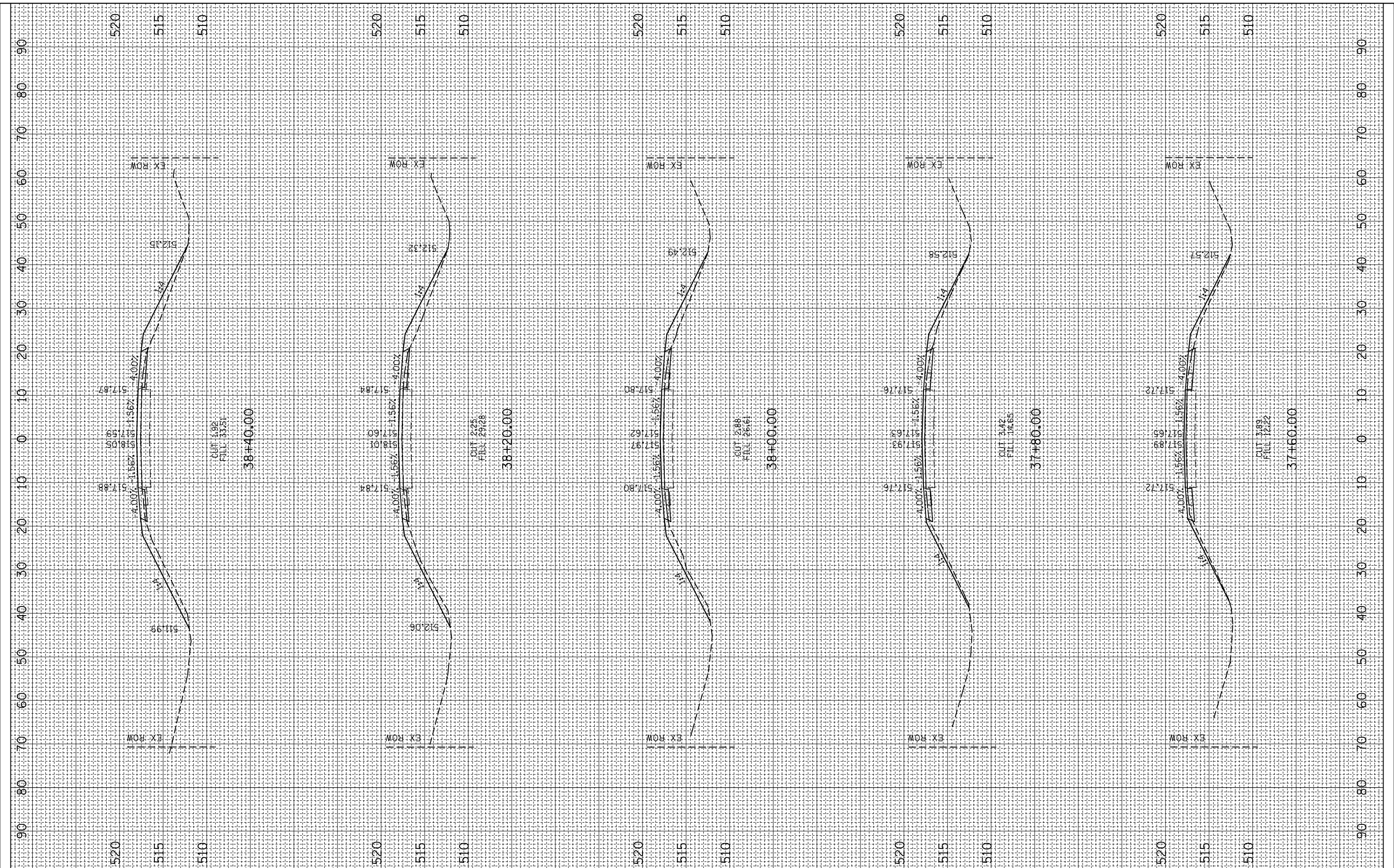
CROSS SECTION

SCALE: SHEET OF SHEETS STA. 36+40.00 TO STA. 37+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	110BR-1	MADISON	57	52
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

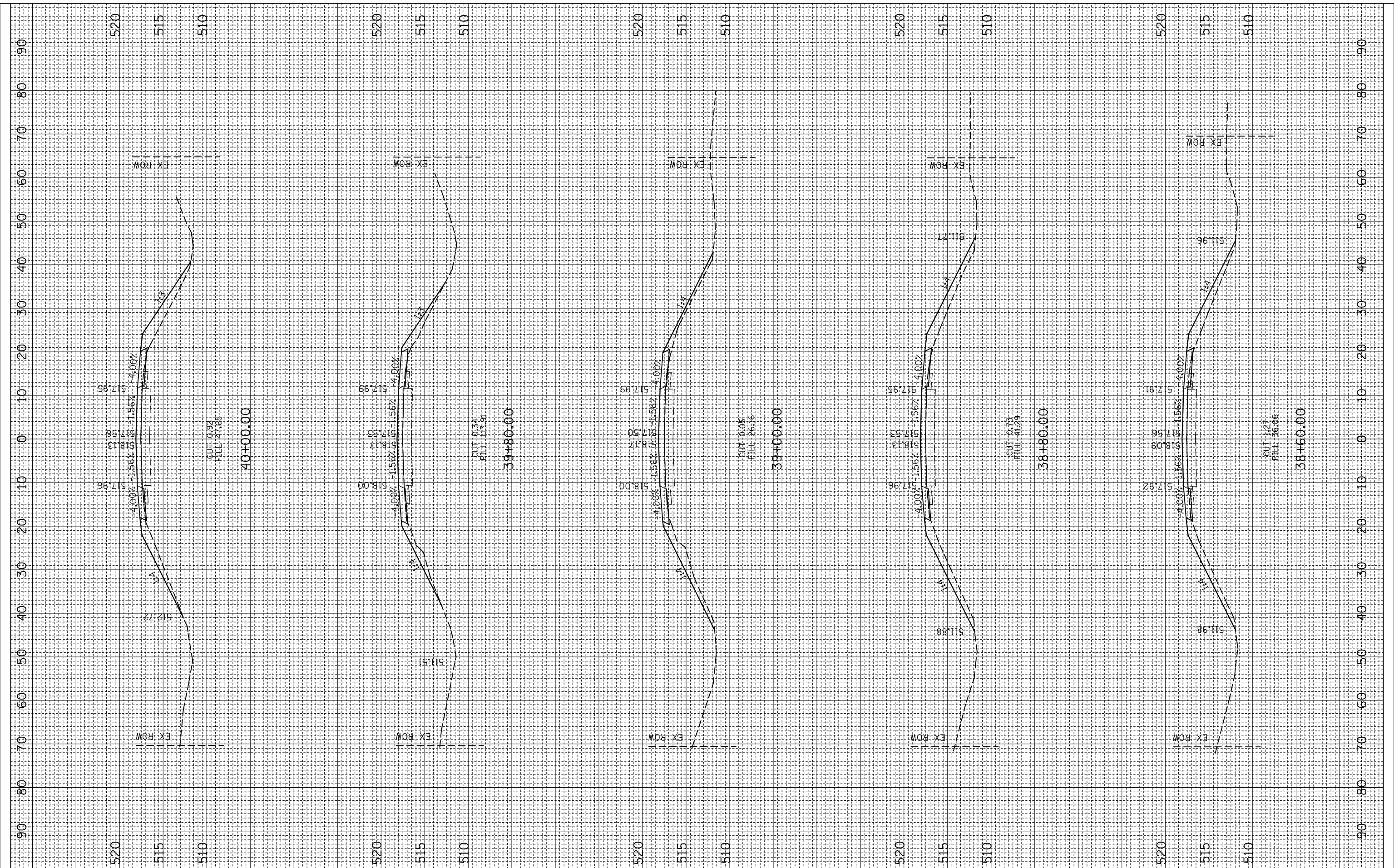
CROSS SECTION

SCALE: SHEET OF SHEETS STA. 37+60.00 TO STA. 38+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	110BR-1	MADISON	57	53
CONTRACT NO. 76A23			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

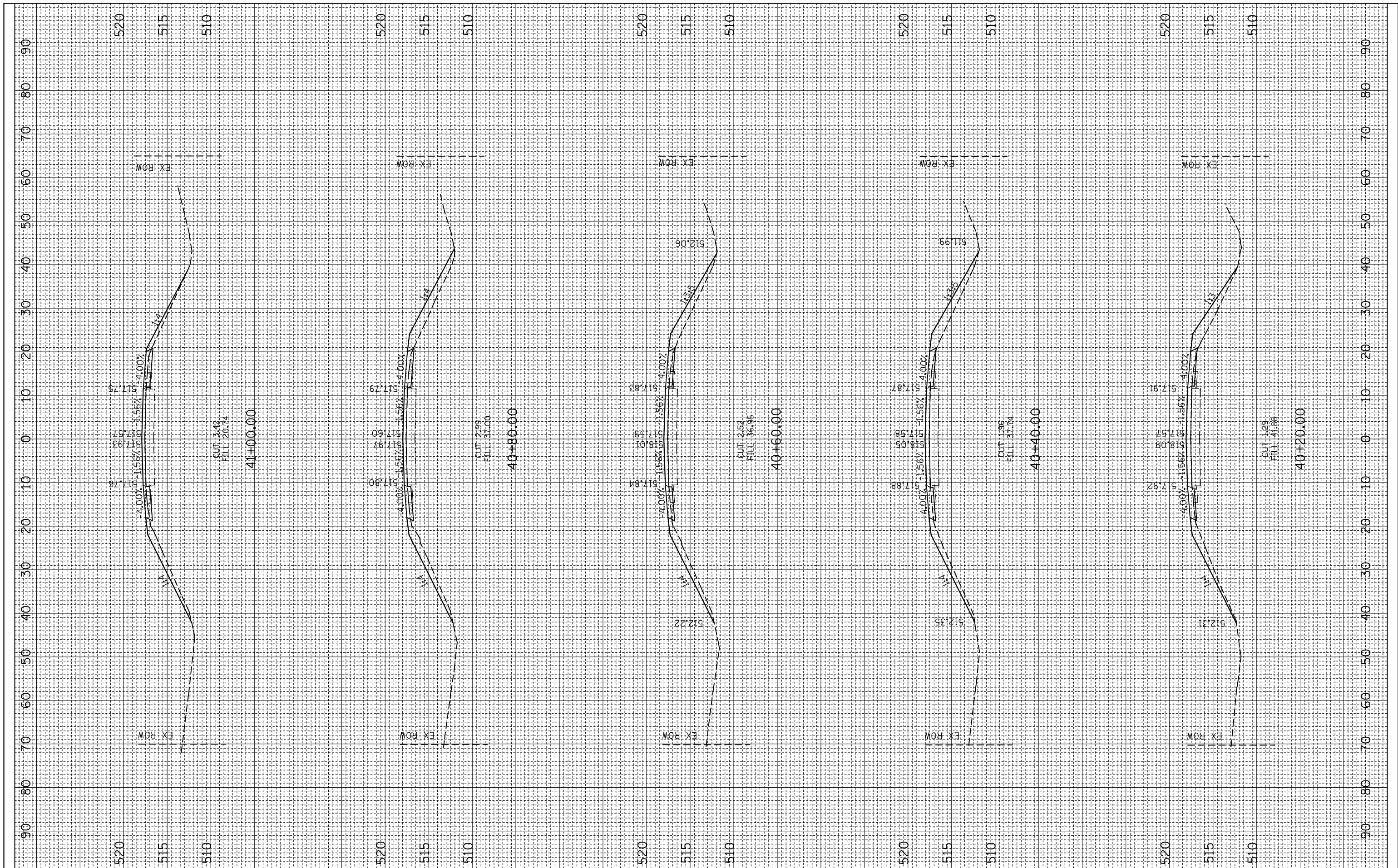
CROSS SECTION

SCALE: SHEET OF SHEETS STA. 38+60.00 TO STA. 40+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	110BR-1	MADISON	57	54
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
	NOTE BOOK		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
	NOTE BOOK		
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

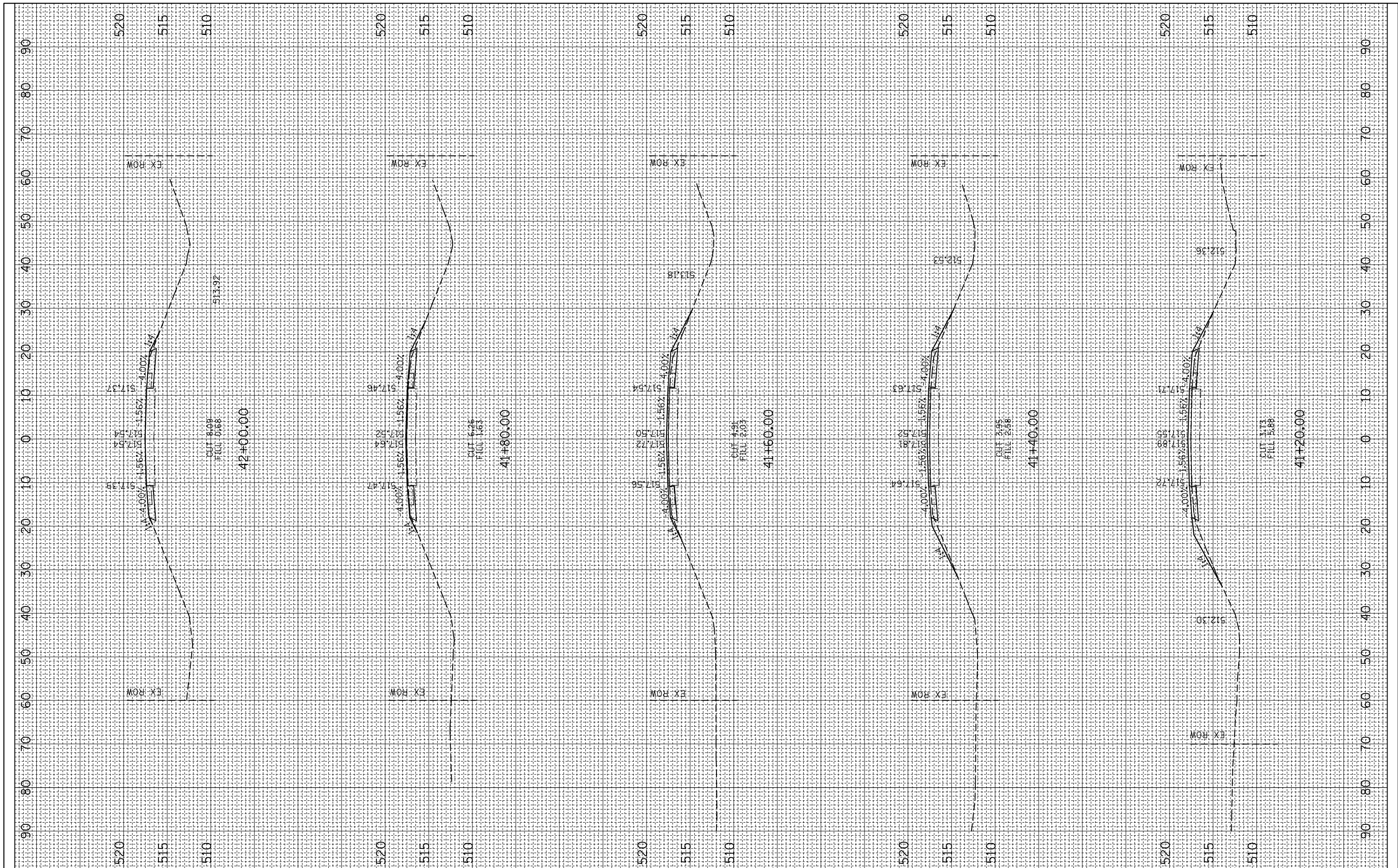
CROSS SECTION

SCALE: SHEET OF SHEETS STA. 40+20.00 TO STA. 41+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	110BR-1	MADISON	57	55
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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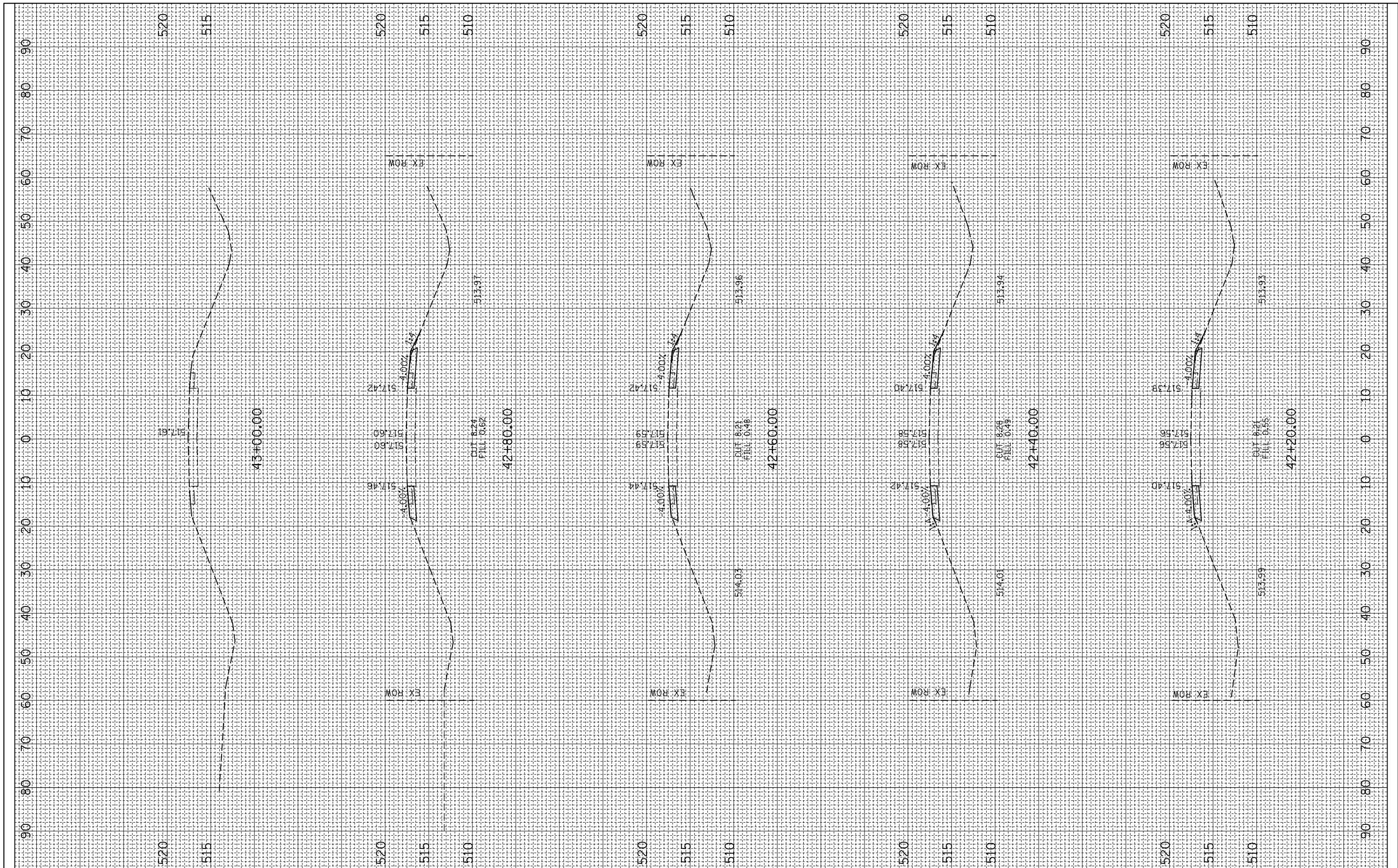
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTION
 SCALE: SHEET OF SHEETS STA. 41+20.00 TO STA. 42+00.00

F.A.P. RTE. 314	SECTION 110BR-1	COUNTY MADISON	TOTAL SHEETS 57	SHEET NO. 56
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 42+20.00 TO STA. 43+00.00

CROSS SECTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	110BR-1	MADISON	57	57
CONTRACT NO. 76A23				
ILLINOIS FED. AID PROJECT				