

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	1
		ILLINOIS	CONTRACT NO. 72282	

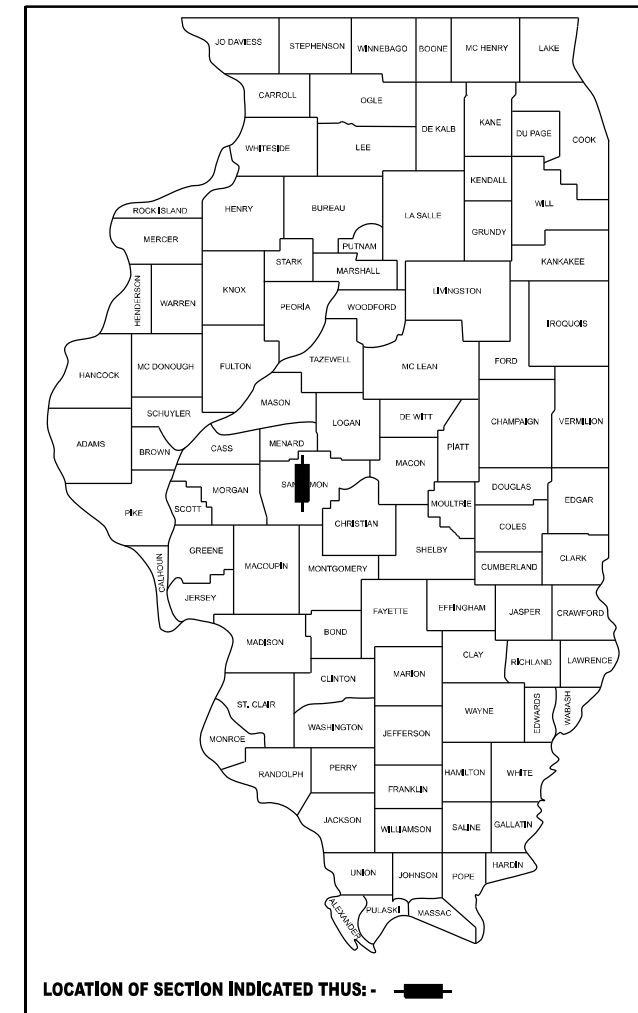
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAP ROUTE 34 (IL 97)
SECTION 34RS-4;(34BR)BDR,BRR
PROJECT STP-HBFP-LKHZ(389)
RESURFACING & DECK OVERLAY
SANGAMON COUNTY

C-96-045-23

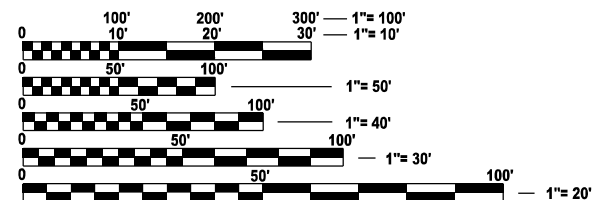
D-96-007-23



ROADWAY CLASSIFICATION
MINOR ARTERIAL

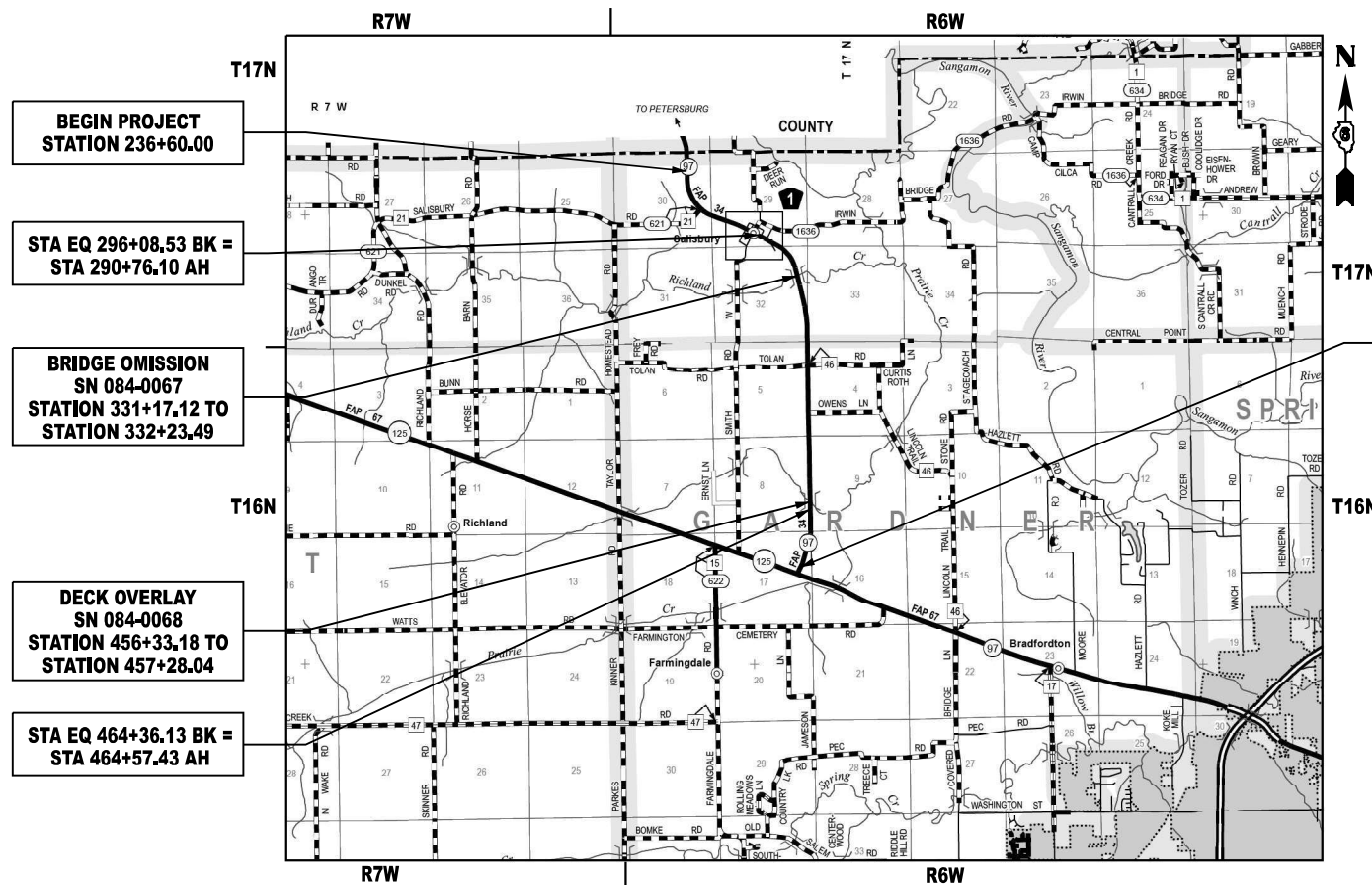
AVERAGE DAILY TRAFFIC YEAR 2021

MENARD CO. LINE TO SALISBURY ROAD
ADT: 3,750 (MU=0.53%, SU=1.87%, PV=97.60%)
SALISBURY ROAD TO TOLAN ROAD
ADT: 4,100 (MU=2.20%, SU=1.95%, PV=95.85%)
TOLAN ROAD TO IL 125
ADT: 4,300 (MU=0.70%, SU=1.63%, PV=97.67%)



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



BEGIN PROJECT
STATION 236+60.00

STA EQ 296+08.53 BK =
STA 290+76.10 AH

BRIDGE OMISSION
SN 084-0067
STATION 331+17.12 TO
STATION 332+23.49

DECK OVERLAY
SN 084-0068
STATION 456+33.18 TO
STATION 457+28.04

STA EQ 464+36.13 BK =
STA 464+57.43 AH

END PROJECT
STATION 497+14.55

PROJECT ENGINEER JON KELLEY (217) 785-2739
PROJECT MANAGER CHRIS SIEFERT (217) 524-7940

GROSS LENGTH = 26,565.68 FT. = 5.03 MILE
NET LENGTH = 26,419.72 FT. = 5.00 MILE

CONTRACT NO. 72282

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 7, 2024

Jon P. Meyer
REGIONAL ENGINEER

March 22, 2024
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2024
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS
3-9	SUMMARY OF QUANTITIES
10-14	TYPICAL SECTIONS
15-19	SCHEDULE OF QUANTITIES
20	HORIZONTAL AND VERTICAL CONTROL
21-29	PLAN SHEETS
30-35	MAINTENANCE OF TRAFFIC - SN 084-0068
36-44	STRUCTURE PLANS - SN 084-0068
45-46	HMA RAMP DETAILS
47-50	ENTRANCE DETAILS
51-52	CONCRETE GUTTER, TYPE A (SPECIAL)
53-55	GUARDRAIL DETAILS
56	CULVERT EXTENSION
57	CONCRETE COLLAR
58	FOG SEAL DETAIL

HIGHWAY STANDARDS

NO.	DESCRIPTION
000001-08	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
420001-10	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
642006-01	SHOULDER RUMBLE STRIPS, 8 IN.
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEED >= 45MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS DAY ONLY, FOR SPEEDS >= 45MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45MPH
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT (217) 785-5306 THREE (3) WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.
2. THE DISTRICT 6 BUREAU OF OPERATIONS SHALL BE NOTIFIED BY PHONE AT (217) 785-5306 AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.
3. ALL TEMPORARY PAVEMENT MARKING TAPE SHALL BE TYPE IV TAPE.
4. NO PASSING ZONES TO BE FIELD VERIFIED BY THE RESIDENT ENGINEER, WHO SHALL NOTIFY THE BUREAU OF OPERATIONS WITH ANY CONCERNS FOUND, ALONG WITH NOTIFICATION 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKING. (PH: 217-785-5306).
5. THE CONTRACTOR SHALL CORRECT THE PROFILE GRADE ON THE APPROACHES FOR SN 084-0068 WITH THICKER HMA AND MICRO SILICA OVERLAY AS NECESSARY.

MIXTURE REQUIREMENTS

LOCATION:	IL 97 MAINLINE	IL 97 MAINLINE	HMA SURFACE	HMA SURFACE
MIXTURE USE:	HMA SURFACE	HMA BINDER	HMA SHOULDER (TOP LIFT) & INCIDENTAL HMA	HMA SHOULDER (BOTTOM LIFT) & PATCHING
PG:	SBS PG 64-28	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION:	IL 9.5	IL 19.0	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIX C	N/A	MIX C	N/A
QUALITY MANAGEMENT:	QCP	QCP	QC/QA	QC/QA
SUBLOT SIZE:	1000 TONS	1000 TONS	N/A	N/A
MTD:	YES	NO	NO	NO

NOTE: NUCLEAR GAUGE WILL BE USED FOR DENSITY VERIFICATION BY THE ENGINEER ON ALL QC/QA ITEMS.

APPLICATION RATES

THE FOLLOWING RATES OF APPLICATION WERE UTILIZED TO CALCULATE QUANTITIES

AGGREGATE:	1.6 TON/CU YD
BITUMINOUS MATERIALS:	0.05 LB/SQ FT (EX HMA SURFACE, MILLED SURFACE, CONC) 0.025 LB/SQ FT (BETWEEN HMA LIFTS) 0.25 LB/SQ FT (PRIME COAT AGGREGATE BASE)
HOT-MIX ASPHALT:	0.056 TON/SQ YD * INCH THICKNESS

COMMITMENTS

1. NONE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6**

EXAMINED January, 23 20 24

[Signature]
ENGINEER OF OPERATIONS

EXAMINED January, 19 20 24

[Signature]
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED January, 30 20 24

[Signature]
ENGINEER OF PROGRAM DEVELOPMENT

REV. - MS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

USER NAME = Christopher.Siefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2024	DATE -	REVISED -

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	2

CONTRACT NO. 72282

ILLINOIS FED. AID PROJECT

LONG SECTION NUMBER:
MULTIPLE COUNTIES:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PPS NO: 6-00444-0000		PPS NO: 6-01463-0000	
				STP FUNDING		BFP FUNDING	
				80% FED / 20% STATE		80% FED / 20% STATE	
				ROADWAY		BRIDGE	
				0005	0047		
				RURAL	S.N.	084-0068	
20200100	EARTH EXCAVATION	CU YD	81	81			
20400800	FURNISHED EXCAVATION	CU YD	160	160			
20800150	TRENCH BACKFILL	CU YD	36	36			
21400100	GRADING AND SHAPING DITCHES	FOOT	3055	3055			
25000200	SEEDING, CLASS 2	ACRE	1.1	1.1			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	103	103			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	103	103			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	103	103			
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2.2	2.2			
25100115	MULCH, METHOD 2	ACRE	1.1	1.1			
28000500	INLET AND PIPE PROTECTION	EACH	29	29			
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	94	94			
28200200	FILTER FABRIC	SQ YD	264	264			
35101400	AGGREGATE BASE COURSE, TYPE B	TON	272	272			
* SPECIAL PROVISION							

MODEL: S00 (Sheet)
 FILE NAME: P:\Bids\2024\72282\Drawings\DOT\Office\District\CORD\Project\B72282\CADDData\CAD\Sheet\B72282-11-S00.dgn

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/7/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	3
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PPS NO: 6-00444-0000		PPS NO: 6-01463-0000	
				STP FUNDING		BFP FUNDING	
				80% FED / 20% STATE		80% FED / 20% STATE	
				ROADWAY		BRIDGE	
				0005	0047		
				RURAL	S.N. 084-0068		
35800100	PREPARATION OF BASE	SQ YD	1710		1710		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	310		310		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	69145		69145		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	38582		38582		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1483		1483		
40600990	TEMPORARY RAMP	SQ YD	696		696		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	8762		8762		
40604150	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	6622		6622		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	562		562		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	77362		77362		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	11268		11268		
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	552		552		
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	7484		7484		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	82		82		
* SPECIAL PROVISION							

MODEL: S00 (Sheet)
 FILE NAME: P:\MIDOT\Documents\DOT Office\District 6\ORD Project\B72282\CADD\B72282-11-S00.dgn

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/7/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	4
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PPS NO: 6-00444-0000		PPS NO: 6-01463-0000	
				STP FUNDING		BFP FUNDING	
				80% FED / 20% STATE		80% FED / 20% STATE	
				ROADWAY		BRIDGE	
				0005	0047		
				RURAL	S.N.	084-0068	
44000400	GUTTER REMOVAL	FOOT	3460	3460			
44004250	PAVED SHOULDER REMOVAL	SQ YD	711	711			
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	79	79			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	628	628			
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	711	711			
48203100	HOT-MIX ASPHALT SHOULDERS	TON	4773	4773			
50102400	CONCRETE REMOVAL	CU YD	12.2			12.2	
50104400	CONCRETE HEADWALL REMOVAL	EACH	8	8			
50105220	PIPE CULVERT REMOVAL	FOOT	930	930			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	2.2			2.2	
50300260	BRIDGE DECK GROOVING	SQ YD	306			306	
50300300	PROTECTIVE COAT	SQ YD	340			340	
50400105	PRECAST CONCRETE BRIDGE SLAB	SQ FT	299			299	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	384	264		120	
* SPECIAL PROMISION							

MODEL: S00 (Sheet)
 FILE NAME: P:\DOT\Documents\DOT Office\District 6\ORD Project\B72283\CADD\B72283-11-S00.dgn

USER NAME = Christopher.Steiert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/7/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	5
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PPS NO: 6-00444-0000		PPS NO: 6-01463-0000	
				STP FUNDING		BFP FUNDING	
				80% FED / 20% STATE		80% FED / 20% STATE	
				ROADWAY		BRIDGE	
		0005	0047				
		RURAL	S.N. 084-0068				
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	58	58			
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	87	87			
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	786	786			
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	74	74			
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2			
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	9	9			
54248510	CONCRETE COLLAR	CU YD	5.6	5.6			
54262715	METAL FLARED END SECTIONS 15"	EACH	38	38			
54262724	METAL FLARED END SECTIONS 24"	EACH	4	4			
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1			
60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	506	506			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2			
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	217	217			
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1150	1150			
*	SPECIAL PROVISION						

MODEL: SDO (Sheet)
 FILE NAME: p:\projects\p1\m1\m1\documents\DOT\Office\District\BORD\Project\67228\CD\Draws\B7228-41-SDO.dgn

REV. - MS

USER NAME = Christopher.Siefert DESIGNED - DRAWN - PLOT SCALE = \$\$SCALE\$ PLOT DATE = 2/1/2024	REVISIONS REVISIONS REVISIONS REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.	F.A.P. RTE. 34	SECTION 34RS-4:(34BR)BDR,BRR	COUNTY SANGAMON	TOTAL SHEETS 58	SHEET NO. 6	CONTRACT NO. 72282 ILLINOIS FED. AID PROJECT
--	--	---	---	-------------------	---------------------------------	--------------------	--------------------	----------------	---

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PPS NO: 6-00444-0000		PPS NO: 6-01463-0000	
				STP FUNDING		BFP FUNDING	
				80% FED / 20% STATE		80% FED / 20% STATE	
				ROADWAY		BRIDGE	
		0005		0047			
		RURAL		S.N. 084-0068			
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1			
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4			
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	7	7			
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	45038	45038			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	11		1	
67100100	MOBILIZATION	L SUM	1	0.9		0.1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1			1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	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			
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1			1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	6			6	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	150			150	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7970	7970			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2630	2630			
* SPECIAL PROVISION							

MODEL: SDO (Sheet)
 FILE NAME: p:\projects\p1\work\com\p1\DOT\Documents\DOT Office\District 6\ORSD Project\672282\CD\Draws\672282-411-SDO.dgn

REV. - MS

USER NAME = Christopher.Siefert	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -		SCALE:	SHEET 5	OF 7	SHEETS	STA.	TO STA.	34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	7
PLOT DATE = 2/1/2024	CHECKED -	REVISED -		CONTRACT NO. 72282										
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PPS NO: 6-00444-0000		PPS NO: 6-01463-0000	
				STP FUNDING		BFP FUNDING	
				80% FED / 20% STATE		80% FED / 20% STATE	
				ROADWAY		BRIDGE	
		0005	0047				
		RURAL	S.N. 084-0068				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	412.5			412.5	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	412.5			412.5	
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2			2	
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE,NARROW), TEST LEVEL 3	EACH	2			2	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	7		7		
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	73769		73769		
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	29		29		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	355		355		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	29		29		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	355		355		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	886			886	
X4060107	BITUMINOUS MATERIALS (FOG SEAL)	POUND	1967		1967		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	5428		5428		
X5427602	REMOVE EXISTING FLARED END SECTION	EACH	1		1		
*	SPECIAL PROVISION						

MODEL: SQQ.10 (Sheet)
 FILE NAME: c:\pwt\work\pwt\electrical\08834720672282-ah-SQQ.dgn

USER NAME = Christopher.Siefert	DESIGNED -	REVISED -
PLOT SCALE = \$\$CALES	DRAWN -	REVISED -
PLOT DATE = 2/7/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	8
			CONTRACT NO. 72282	
ILLINOIS FED. AID PROJECT				

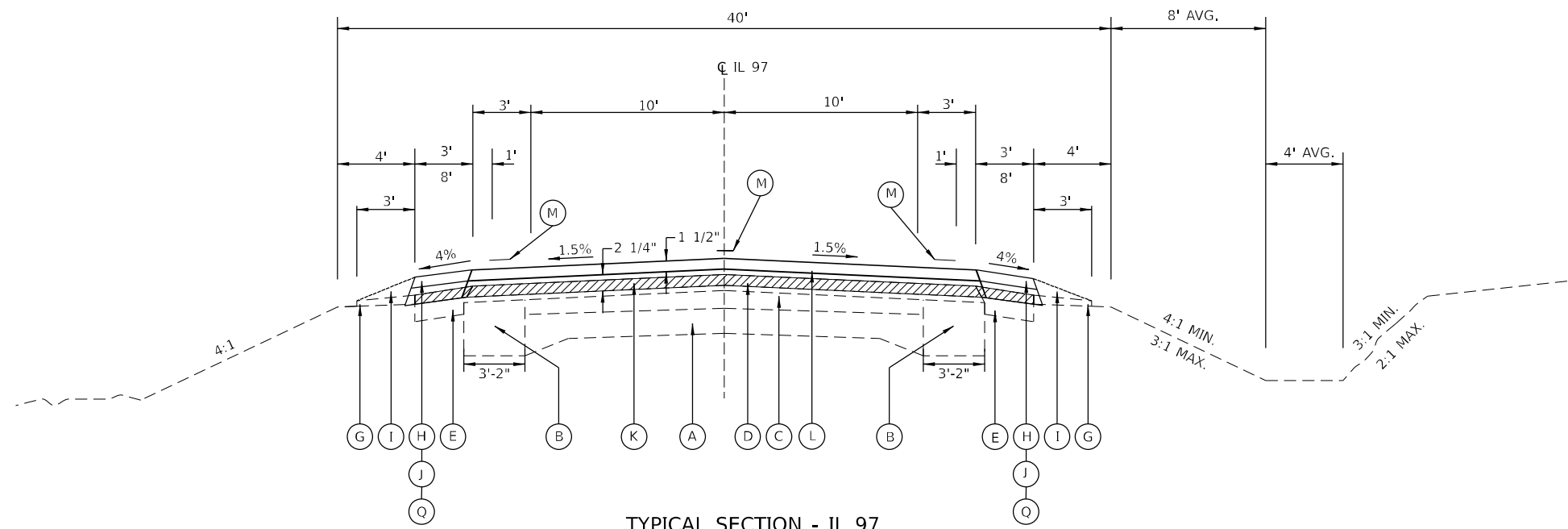
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PPS NO: 6-00444-0000		PPS NO: 6-01463-0000	
				STP FUNDING		BFP FUNDING	
				80% FED / 20% STATE		80% FED / 20% STATE	
				ROADWAY		BRIDGE	
				0005	0047		
				RURAL	S.N. 084-0068		
X6062700	CONCRETE GUTTER, TYPE A(SPECIAL)	FOOT	5981	5981			
X6320100	GUARDRAIL REMOVAL (SPECIAL)	FOOT	718	718			
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	25	25			
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1			1	
Z0007122	REMOVING AND RE-ERECTING EXISTING RAILING	FOOT	78			78	
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	302			302	
Z0012162	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	326			326	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	106			106	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.9		0.1	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5			5	
∅ Z0076600	TRAINEES	HOUR	2000	2000			
Z0034105	MATERIAL TRANSFER DEVICE	TON	6622	6622			
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2000	2000			
Z0041895	POLYMER CONCRETE	CU FT	4			4	
*	SPECIAL PROVISION						

∅ 0042

MODEL: SQO 11 (Sheet)
FILE NAME: c:\p\work\pwr\reference\08834720672282-ah-SQO.dgn

REV. - MS

USER NAME = Christopher.Siefert	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -		SCALE:	SHEET 7	OF 7	SHEETS	STA.	TO STA.	34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	9
PLOT DATE = 2/7/2024	CHECKED -	REVISED -		CONTRACT NO. 72282										
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										



TYPICAL SECTION - IL 97

PR HMA SHOULDERS, 8"
(SEE MOT PLANS FOR SCHEDULE)

LT STA 454+84.24 TO STA 456+33.18
 RT STA 454+20.00 TO STA 456+33.18
 LT STA 457+28.04 TO STA 459+70.00
 RT STA 457+28.04 TO STA 459+70.00

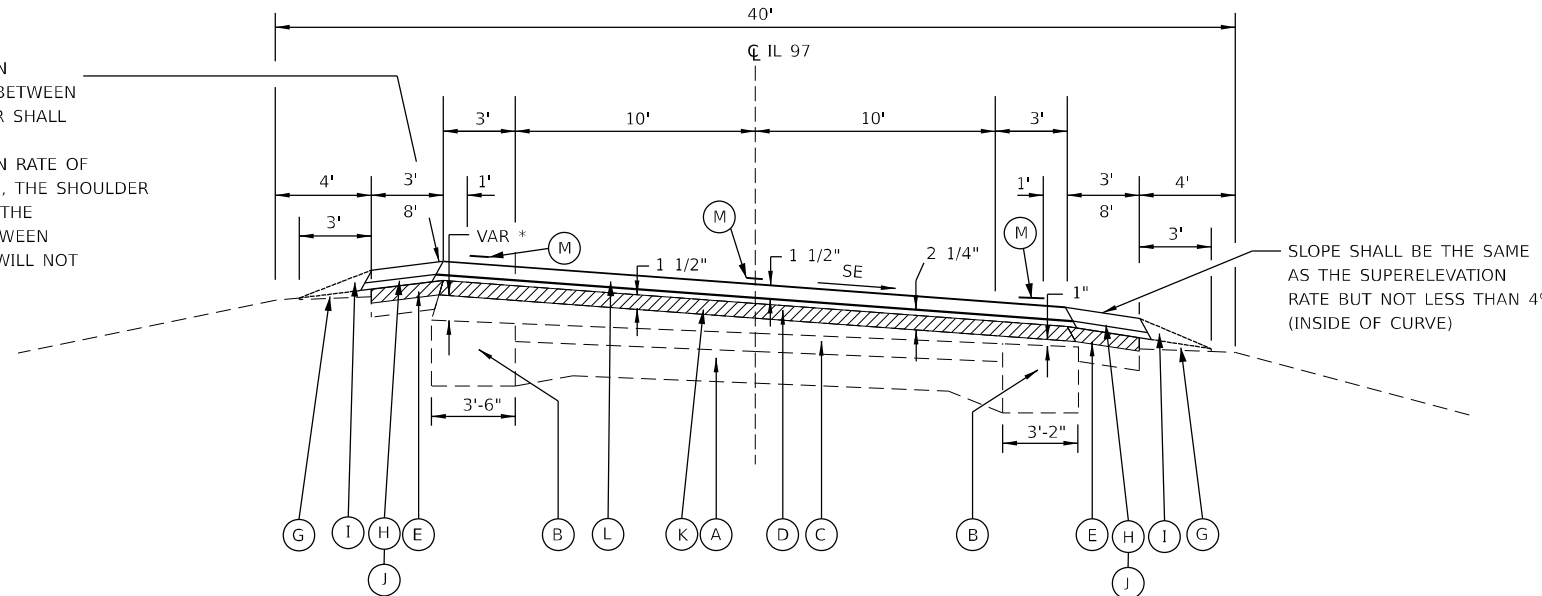
R1	STA 236+60.00 TO STA 249+27.77	R2	LT STA 367+30.44 TO STA 376+32.67 - 8' SHLDR
	STA 275+48.61 TO STA 288+28.34		LT STA 376+32.67 TO STA 444+27.32
	STA 305+00.00 TO STA 310+63.61		RT STA 449+72.80 TO STA 456+33.18
R2	STA 326+56.88 TO STA 331+17.12	R3	LT STA 454+84.24 TO STA 456+33.18
	LT STA 332+23.49 TO STA 337+79.15		RT STA 454+84.24 TO STA 456+33.18
	RT STA 332+23.49 TO STA 337+80.80	LT STA 457+28.04 TO STA 459+95.97 - 8' SHLDR	
	RT STA 362+22.42 TO STA 444+24.91	LT STA 457+28.04 TO STA 461+10.14 - 8' SHLDR	
	LT STA 362+22.42 TO STA 367+30.44		RT STA 465+68.06 TO STA 468+83.30 - 8' SHLDR
			RT STA 467+22.30 TO STA 468+83.30 - 8' SHLDR

BRIDGE OMISSION

SN 084-8067 - STA 331+17.12 TO STA 332+23.49
 SN 084-8068 - STA 456+33.18 TO STA 457+28.04

PROPOSED HMA SURFACE REMOVAL, 1 1/2"

WHEN THE SUPER ELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%.
 WHEN THE SUPER ELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 8%. (OUTSIDE OF CURVE)



TYPICAL SECTION - IL 97

R1	STA 249+27.77 TO STA 275+48.61 (CURVE LT)	R2	LT STA 326+11.80 TO STA 326+56.88 (CURVE RT)
	RT STA 288+28.34 TO STA 290+92.62 (CURVE RT)		RT STA 343+88.01 TO STA 344+70.61 (CURVE RT) - 8' SHLDR
R2	LT STA 288+28.31 TO STA 291+59.94 (CURVE RT)	R3	LT STA 343+90.45 TO STA 344+89.43 (CURVE RT) - 8' SHLDR
	RT STA 310+63.61 TO STA 313+29.10 (CURVE RT)		LT STA 347+44.71 TO STA 362+22.42 (CURVE RT)
	LT STA 310+63.61 TO STA 314+36.10 (CURVE RT)	RT STA 348+13.93 TO STA 362+22.42 (CURVE RT)	
	LT STA 319+07.20 TO STA 322+14.20 (CURVE RT) - 8' SHLDR	RT STA 320+28.60 TO STA 326+56.88 (CURVE RT)	

LEGEND

- (A) EX PCC PAVT (9" - 6 - 1/2" - 9") & BIT CONC SURF
- (B) EX BIT CONC BASE CRSE WIDENING 9"
- (C) EX LEVELING BINDER MACHINE METHOD 2 1/2"
- (D) EX BIT CONC SURF CRSE MIX D CLASS 1 - 1 1/2"
- (E) EX BITUMINOUS SHOULDER 8"
- (F) EX CONCRETE GUTTER, TYPE A
- (G) EX AGGREGATE SHOULDERS, TYPE B
- (H) PROPOSED HMA SHOULDER 3 3/4"
- (I) PROPOSED AGGREGATE SHOULDER, TYPE B
- (J) PROPOSED SHOULDER RUMBLE STRIP (SEE DETAIL)
- (K) PROPOSED HMA BINDER 2 1/4"
- (L) PROPOSED HMA SURFACE 1 1/2"
- (M) PROPOSED PAVEMENT MARKING - LINE 5"
- (N) PROPOSED HMA SURFACE 2"
- (O) PROPOSED GUTTER, TYPE A (SPECIAL)
- (P) PROPOSED PIPE UNDERDRAIN, 6"
- (Q) PROPOSED HMA SHOULDERS, 8"
- (R) PROPOSED HMA SURFACE REMOVAL VAR DEPTH

MODEL: 72282_Typical Section - IL 97.dgn
 FILE NAME: P:\Projects\72282\72282.dwg
 PROJECT: 72282
 DATE: 2/6/2024

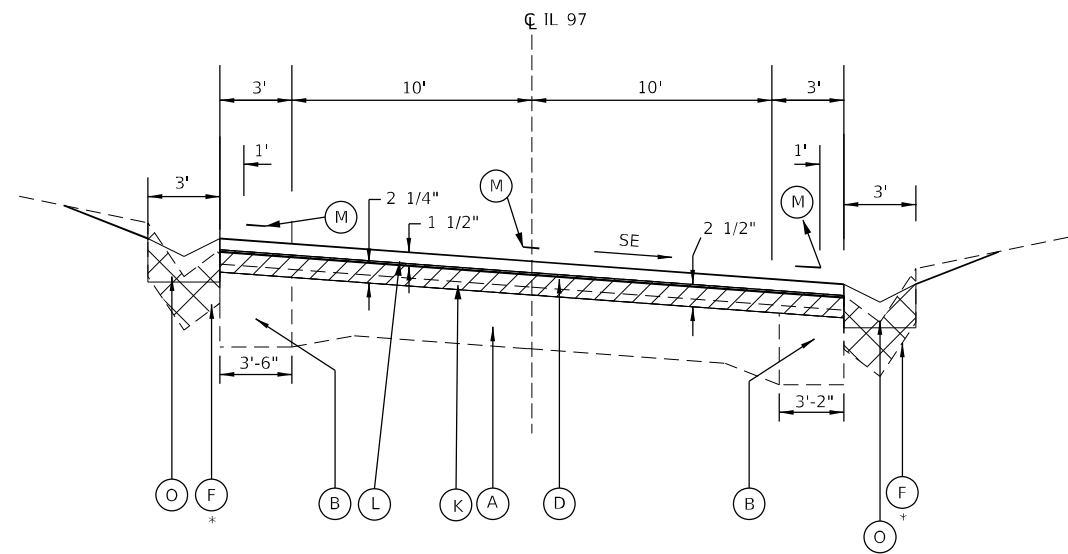
USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 FAP 34 (IL 97)**

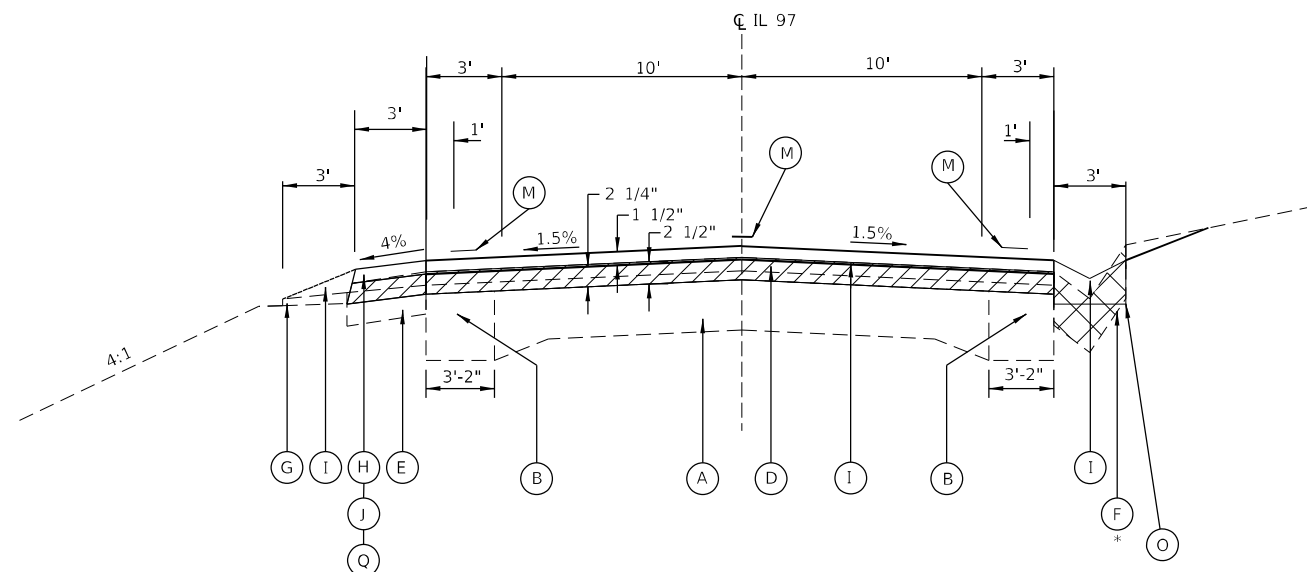
SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	10
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION - IL 97

R1 RT STA 290+92.62 TO STA 295+37.84 (CURVE RT)
LT STA 291+59.94 TO STA 295+37.84 (CURVE RT)

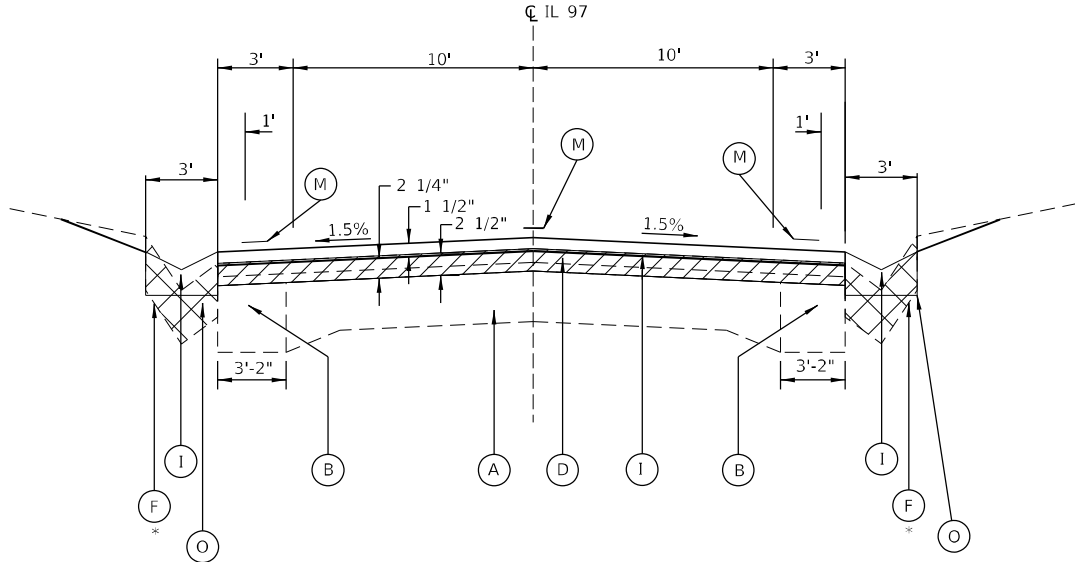


TYPICAL SECTION - IL 97

R2 LT STA 300+66.22 TO STA 305+00.00

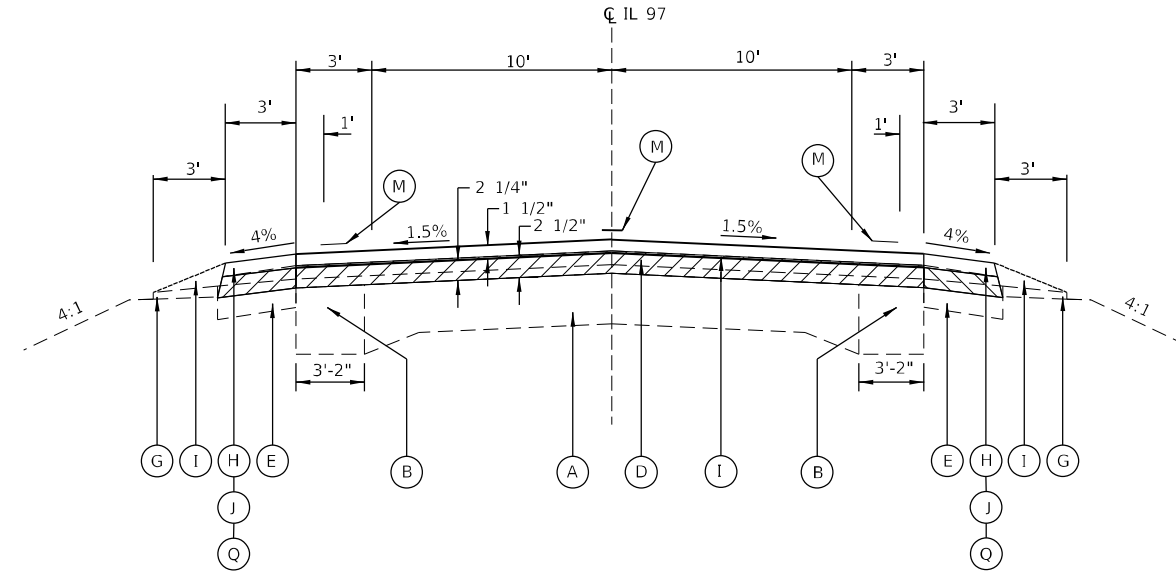
PROPOSED HMA SURFACE REMOVAL, 2 1/2"
 PROPOSED GUTTER REMOVAL

* AGGREGATE BASE COURSE TYPE B MAY BE REQUIRED UNDER PROPOSED CONCRETE GUTTER, TYPE A (SPECIAL) TO FILL THE VOID FROM GUTTER REMOVAL (QUANTITY FOR AGG BASE COURSE IS ESTIMATED).



TYPICAL SECTION - IL 97

R1 STA 295+37.84 TO STA 296+08.53 BK = 290+76.10 AH
R2 LT STA 290+76.10 TO STA 300+66.22
RT STA 290+76.10 TO STA 304+00.47



TYPICAL SECTION - IL 97

R2 RT STA 304+00.47 TO STA 305+00.00

LEGEND

- (A) EX PCC PAVT (9" - 6 - 1/2" - 9") & BIT CONC SURF
- (B) EX BIT CONC BASE CRSE WIDENING 9"
- (C) EX LEVELING BINDER MACHINE METHOD 2 1/2"
- (D) EX BIT CONC SURF CRSE MIX D CLASS I - 1 1/2"
- (E) EX BITUMINOUS SHOULDER 8"
- (F) EX CONCRETE GUTTER, TYPE A
- (G) EX AGGREGATE SHOULDERS, TYPE B
- (H) PROPOSED HMA SHOULDER 3 3/4"
- (I) PROPOSED AGGREGATE SHOULDER, TYPE B
- (J) PROPOSED SHOULDER RUMBLE STRIP (SEE DETAIL)
- (K) PROPOSED HMA BINDER 2 1/4"
- (L) PROPOSED HMA SURFACE 1 1/2"
- (M) PROPOSED PAVEMENT MARKING - LINE 5"
- (N) PROPOSED HMA SURFACE 2"
- (O) PROPOSED GUTTER, TYPE A (SPECIAL)
- (P) PROPOSED PIPE UNDERDRAIN, 6"
- (Q) PROPOSED HMA SHOULDERS, 8"
- (R) PROPOSED HMA SURFACE REMOVAL VAR DEPTH

MODEL: 72282 Typical Sections (2) (Sheet) FILE NAME: P:\PROJECTS\72282\BDR\BRR\CADD\Drawings\DOT\Office\Drawings\DOT\72282-TypicalSections.dgn

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/8/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS			
FAP 34 (IL 97)			
SCALE:	SHEET 2	OF 5 SHEETS	STA. TO STA.

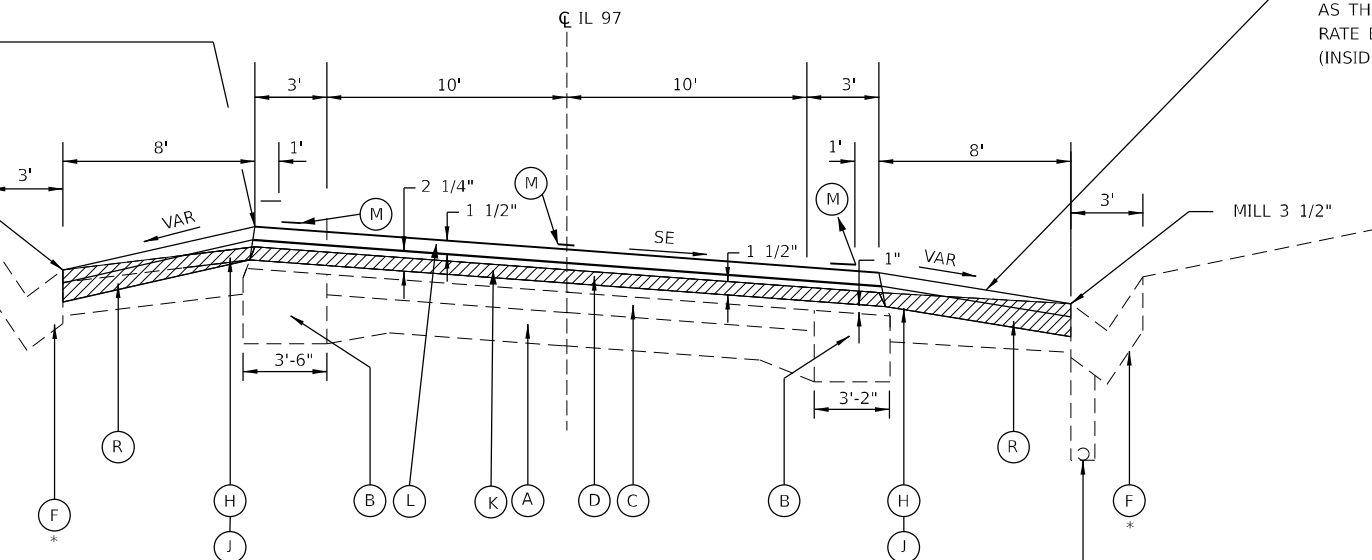
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	11
				CONTRACT NO. 72282
ILLINOIS FED. AID PROJECT				

WHEN THE SUPER ELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%.
 WHEN THE SUPER ELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 8%. (OUTSIDE OF CURVE)

SLOPE SHALL BE THE SAME AS THE SUPERELEVATION RATE BUT NOT LESS THAN 4% (INSIDE OF CURVE)

MILL 3 1/2"

MILL 3 1/2"



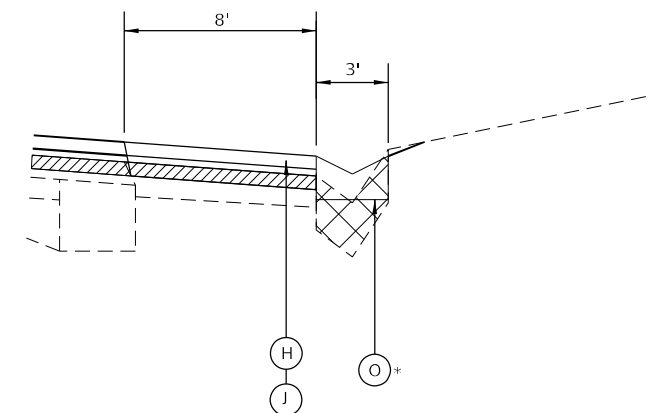
TYPICAL SECTION - IL 97

- R2
- ** RT STA 313+29.10 TO STA 320+28.60 (CURVE RT)
 - LT STA 314+36.10 TO STA 319+07.20 (CURVE RT)
 - LT STA 322+14.20 TO STA 326+11.80 (CURVE RT)
 - RT STA 342+69.75 TO STA 343+88.01 (CURVE RT)
 - LT STA 342+69.75 TO STA 343+90.45 (CURVE RT)
 - RT STA 345+20.00 TO STA 348+13.93 (CURVE RT)
 - LT STA 344+89.43 TO STA 347+44.71 (CURVE RT)

** EX PIPE UNDERDRAIN - 6"

LEGEND

- (A) EX PCC PAVT (9" - 6 - 1/2" - 9") & BIT CONC SURF
- (B) EX BIT CONC BASE CRSE WIDENING 9"
- (C) EX LEVELING BINDER MACHINE METHOD 2 1/2"
- (D) EX BIT CONC SURF CRSE MIX D CLASS 1 - 1 1/2"
- (E) EX BITUMINOUS SHOULDER 8"
- (F) EX CONCRETE GUTTER, TYPE A
- (G) EX AGGREGATE SHOULDERS, TYPE B
- (H) PROPOSED HMA SHOULDER 3 3/4"
- (I) PROPOSED AGGREGATE SHOULDER, TYPE B
- (J) PROPOSED SHOULDER RUMBLE STRIP (SEE DETAIL)
- (K) PROPOSED HMA BINDER 2 1/4"
- (L) PROPOSED HMA SURFACE 1 1/2"
- (M) PROPOSED PAVEMENT MARKING - LINE 5"
- (N) PROPOSED HMA SURFACE 2"
- (O) PROPOSED GUTTER, TYPE A (SPECIAL)
- (P) PROPOSED PIPE UNDERDRAIN, 6"
- (Q) PROPOSED HMA SHOULDERS, 8"
- (R) PROPOSED HMA SURFACE REMOVAL VAR DEPTH



GUTTER

R2 RT STA 344+70.61 TO STA 345+20

- PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- PROPOSED GUTTER REMOVAL

* AGGREGATE BASE COURSE TYPE B MAY BE REQUIRED UNDER PROPOSED CONCRETE GUTTER, TYPE A (SPECIAL) TO FILL THE VOID FROM GUTTER REMOVAL (QUANTITY FOR AGG BASE COURSE IS ESTIMATED).

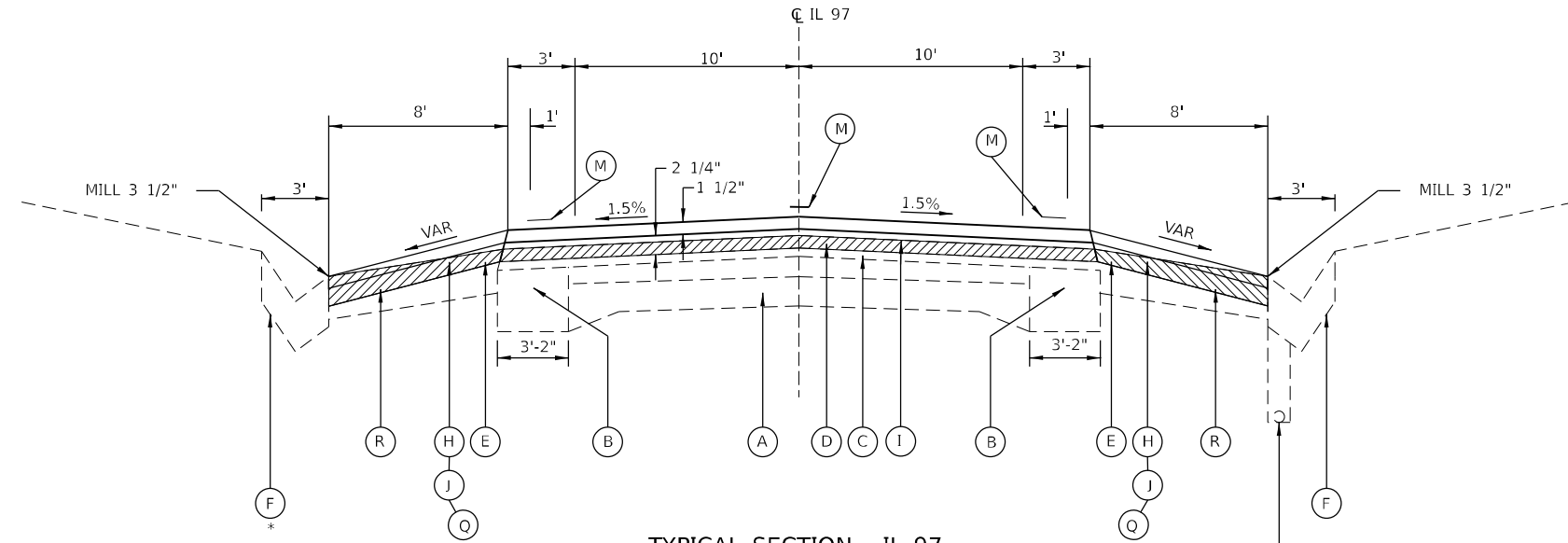
MODEL: 72282_Typical Section 3 (Sheet)
 FILE NAME: P:\BOS\Projects\72282\BDR\BRR\Drawings\72282-TypicalSections.dgn

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISOR -
PLOT DATE = 2/6/2024	DATE -	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
FAP 34 (IL 97)	
SCALE:	SHEET 3 OF 5 SHEETS STA. TO STA.

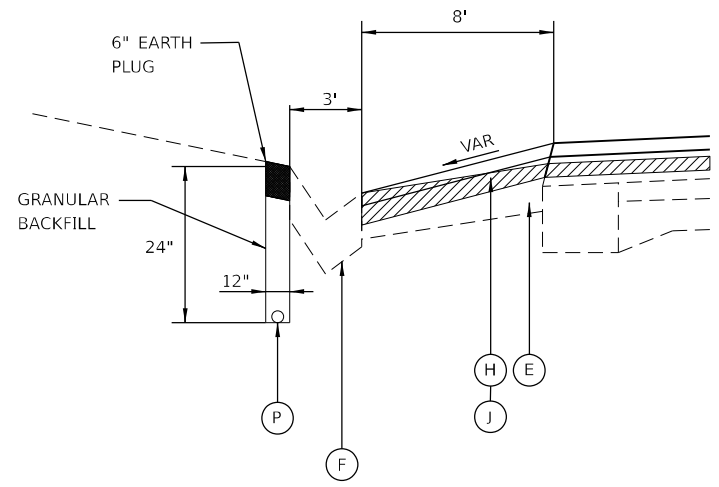
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	12
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION - IL 97

R2	LT STA 337+79.15 TO STA 342+69.75 - 8' SHLDR RT STA 337+80.80 TO STA 342+69.75 - 8' SHLDR RT STA 444+24.91 TO STA 449+72.80 - 8' SHLDR LT STA 444+27.32 TO STA 454+84.24 - 8' SHLDR ** RT STA 459+95.97 TO STA 464+36.13 BK = STA 464+57.43 AH - 8' SHLDR LT STA 461+10.14 TO STA 464+36.13 BK = STA 464+57.43 AH - 8' SHLDR
R3	RT STA 464+57.43 TO STA 467+22.30 - 8' SHLDR LT STA 464+57.43 TO STA 465+68.06 - 8' SHLDR

** EX PIPE UNDERDRAIN - 6"



PROPOSED PIPE UNDERDRAIN

LT STA 450+00.00 TO STA 455+00.00

PR HMA SHOULDERS, 8"

(SEE MOT PLANS FOR SCHEDULE)
LT STA 454+20.00 TO STA 454+84.24

LEGEND

- (A) EX PCC PAVT (9" - 6 - 1/2" - 9") & BIT CONC SURF
- (B) EX BIT CONC BASE CRSE WIDENING 9"
- (C) EX LEVELING BINDER MACHINE METHOD 2 1/2"
- (D) EX BIT CONC SURF CRSE MIX D CLASS 1 - 1 1/2"
- (E) EX BITUMINOUS SHOULDER 8"
- (F) EX CONCRETE GUTTER, TYPE A
- (G) EX AGGREGATE SHOULDERS, TYPE B
- (H) PROPOSED HMA SHOULDER 3 3/4"
- (I) PROPOSED AGGREGATE SHOULDER, TYPE B
- (J) PROPOSED SHOULDER RUMBLE STRIP (SEE DETAIL)
- (K) PROPOSED HMA BINDER 2 1/4"
- (L) PROPOSED HMA SURFACE 1 1/2"
- (M) PROPOSED PAVEMENT MARKING - LINE 5"
- (N) PROPOSED HMA SURFACE 2"
- (O) PROPOSED GUTTER, TYPE A (SPECIAL)
- (P) PROPOSED PIPE UNDERDRAIN, 6"
- (Q) PROPOSED HMA SHOULDERS, 8"
- (R) PROPOSED HMA SURFACE REMOVAL VAR DEPTH

MODEL: 72282_Typical Sections - 1 (Sheet)
FILE NAME: P:\Bids\2024\72282\DOT\Office\District\CORD\Project\B72282\CADD\Drawings\CAD\Sheet\B72282-TypicalSections.dgn

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

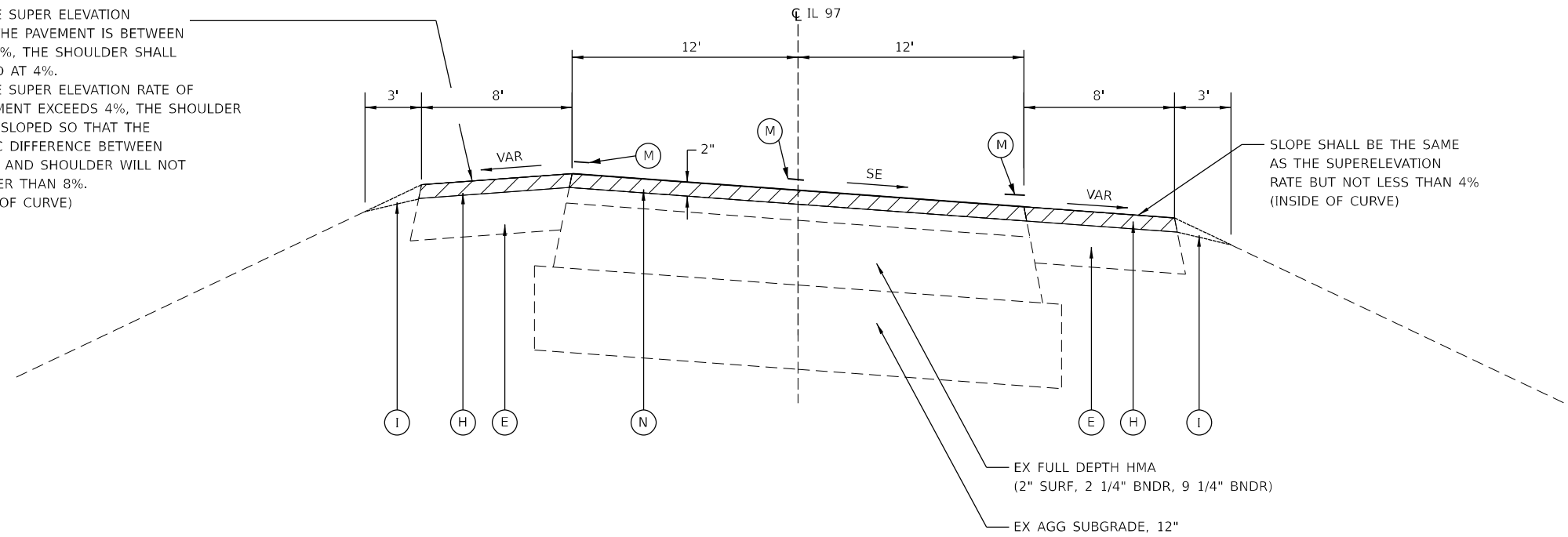
TYPICAL SECTIONS
FAP 34 (IL 97)

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	13
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

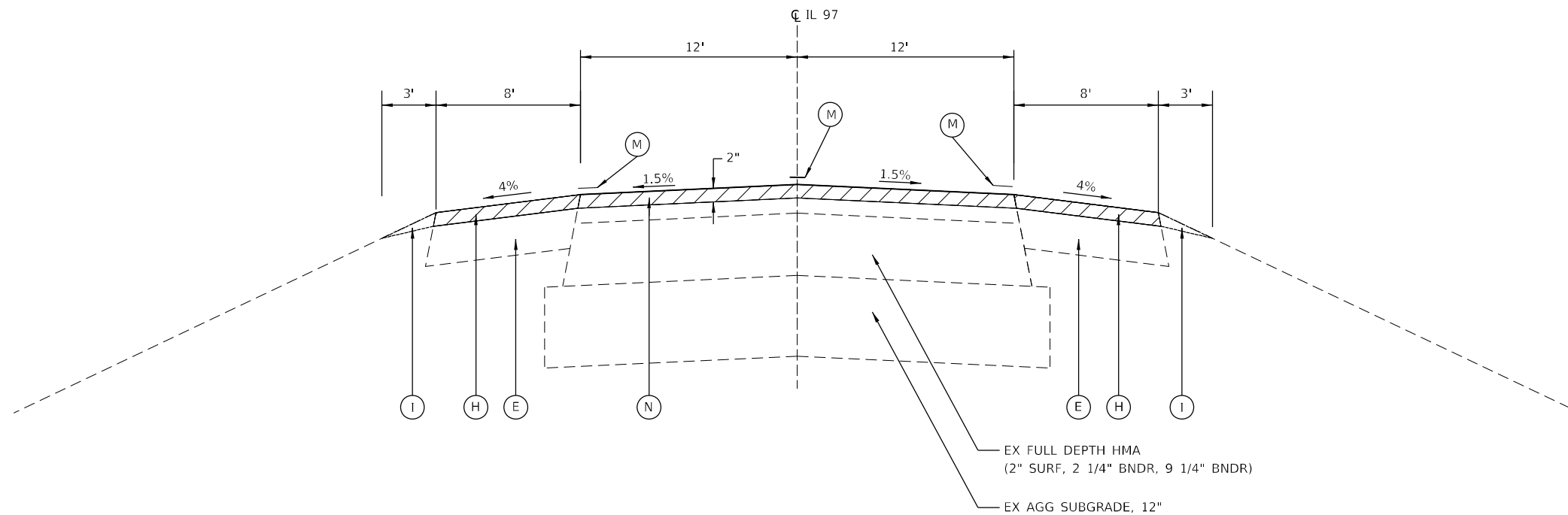
WHEN THE SUPER ELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%.

WHEN THE SUPER ELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 8%. (OUTSIDE OF CURVE)



TYPICAL SECTION - IL 97

R3 STA 471+21.00 TO STA 494+41.61



TYPICAL SECTION - IL 97

R3 STA 494+41.61 TO STA 497+14.55

LEGEND

- (A) EX PCC PAVT (9" - 6 - 1/2" - 9") & BIT CONC SURF
- (B) EX BIT CONC BASE CRSE WIDENING 9"
- (C) EX LEVELING BINDER MACHINE METHOD 2 1/2"
- (D) EX BIT CONC SURF CRSE MIX D CLASS I - 1 1/2"
- (E) EX BITUMINOUS SHOULDER 8"
- (F) EX CONCRETE GUTTER, TYPE A
- (G) EX AGGREGATE SHOULDERS, TYPE B
- (H) PROPOSED HMA SHOULDER 3 3/4"
- (I) PROPOSED AGGREGATE SHOULDER, TYPE B
- (J) PROPOSED SHOULDER RUMBLE STRIP (SEE DETAIL)
- (K) PROPOSED HMA BINDER 2 1/4"
- (L) PROPOSED HMA SURFACE 1 1/2"
- (M) PROPOSED PAVEMENT MARKING - LINE 5"
- (N) PROPOSED HMA SURFACE 2"
- (O) PROPOSED GUTTER, TYPE A (SPECIAL)
- (P) PROPOSED PIPE UNDERDRAIN, 6"
- (Q) PROPOSED HMA SHOULDERS, 8"
- (R) PROPOSED HMA SURFACE REMOVAL VAR DEPTH

PROPOSED HMA SURFACE REMOVAL, 2"

MODEL: 72282_Typical Section 5 (Sheet)
FILE NAME: P:\BOS\Projects\72282\DOT\Office\District 6\ORD\Project\B72282\CADD\Drawings\CADD\Drawings\B72282-TypicalSections.dgn

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FAP 34 (IL 97)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	14
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

REMOVALS

						44000155	44000157	44000158	44000159	X4401198	44000400
						HOT-MIX ASPHALT	HOT-MIX ASPHALT	HOT-MIX ASPHALT	HOT-MIX ASPHALT	HOT-MIX ASPHALT	GUTTER
						SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	REMOVAL
						REMOVAL ,	REMOVAL ,	REMOVAL ,	REMOVAL ,	REMOVAL ,	
						1 1/2"	2"	2 1/4"	2 1/2"	VAR DEPTH	
STA.		STA.	SIDE	LENGTH	WIDTH	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)
			LT/RT	(FOOT)	(FOOT)						
IL 97											
236+60.00	to	265+50.00	LT & RT	2,890	32	10,276					
265+50.00	to	290+72.29	LT & RT	2,522	26	7,287					
290+72.29	to	291+59.90	LT	88	16				156		
291+59.90	to	295+50.00	LT	390	13				563		390
290+72.29	to	290+92.29	RT	20	16				36		
290+92.29	to	295+50.00	RT	458	13				661		458
295+50.00	to	296+08.53	BK= LT & RT	59	26				169		117
290+76.10	AH to	300+66.16	LT	990	13				1,430		990
290+76.10	AH to	304+20.75	RT	1,345	13				1,942		1,345
300+66.16	to	304+20.75	LT	355	16				630		
304+20.75	to	312+80.95	RT	860	16	1,529					
304+20.75	to	320+17.57	LT	1,597	21	3,726					
314+36.12	to	319+07.22	LT	471	8					419	
312+80.95	to	320+17.57	RT	737	21				1,719		
313+29.15	to	320+28.56	RT	699	8					622	
320+17.57	to	320+69.00	LT	51	21				120		
320+69.00	to	326+11.83	LT	543	21	1,267					
322+14.21	to	326+11.83	LT	398	8					353	
326+11.83	to	331+17.12	LT	505	16	890					
320+17.57	to	320+42.01	RT	24	21				57		
320+42.01	to	320+69.00	RT	27	21	63					
320+69.00	to	331+17.12	RT	1,048	16	1,863					
BRIDGE OMISSION											
332+23.49	to	337+71.51	LT	548	16	974					
332+23.49	to	337+72.66	RT	549	16	976					
337+71.51	to	348+09.06	LT	1,038	21	2,421					
337+79.75	to	343+90.45	LT	611	8					543	
337+72.66	to	348+19.67	RT	1,047	21	2,443					
337+80.86	to	343+88.02	RT	607	8					540	
344+89.44	to	347+44.71	LT	255	8					227	
344+70.39	to	345+20.00	RT	50							50
344+70.39	to	348+13.92	RT	344	8					305	
348+09.06	to	350+17.57	LT	209	16	371					
348+19.67	to	350+17.57	RT	198	16	352					
350+17.57	to	367+30.44	LT	1,713	16	3,045					
367+30.44	to	376+32.67	LT	902	21	2,105					
376+32.67	to	380+17.57	LT	385	16	684					
350+17.57	to	380+17.57	RT	3,000	16	5,333					
380+17.57	to	410+17.57	LT & RT	3,000	32	10,667					
410+17.57	to	440+17.57	LT & RT	3,000	32	10,667					
440+17.57	to	444+27.57	LT	410	16	729					
440+17.57	to	444+24.97	RT	407	16	724					
444+27.57	to	454+84.23	LT	1,057	13	1,526				939	
454+84.23	to	455+50.00	LT	66	16	117					
444+24.97	to	453+88.89	RT	964	13	1,392				857	
453+88.89	to	455+50.00	RT	161	16	286					
455+50.00	to	456+33.18	LT & RT	83	32			296			
BRIDGE OMISSION											
457+28.04	to	458+00.00	LT & RT	72	32			256			
458+00.00	to	459+68.39	LT	168	16	299					
459+68.39	to	461+10.14	LT	142	21	331					
461+10.14	to	464+36.13	BK= LT	326	13	471				290	
464+57.43	AH to	465+68.06	LT	111	13	160				98	111
465+68.06	to	470+38.87	LT	471	21	1,099					
458+00.00	to	458+66.63	RT	67	16	118					
458+66.63	to	464+36.13	BK= RT	570	13	823					
464+57.43	AH to	467+22.30	RT	265	13	383				235	
467+22.30	to	470+38.87	RT	317	21	739					
470+38.87	to	473+00.00	LT & RT	261	42	1,219					
473+00.00	to	497+14.55	LT & RT	2,415	42			11,268			
TOTALS=						77,362	11,268	552	7,484	5,428	3,460

MODEL: Schedule 1 (Sheet)
FILE NAME: P:\Illinois\Projects\B72282\CADD\B72282-1-Schedule.dgn

USER NAME = Christopher.Steiert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	15
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

PAVING

STA.	STA.	SIDE LT/RT	LENGTH (FOOT)	LANES WIDTH (FOOT)	SHOULDER WIDTH (FOOT)	AREA (SQ FT)	X4060107	40600290	40600370	40600990	40603080	40604150	48203100		64200108	48102100
							BITUMINOUS MATERIALS (FOG SEAL) (POUND)	BITUMINOUS MATERIALS TACK COAT (POUND)	LONGITUDINAL JOINT SEALANT (FOOT)	TEMP RAMP (SQ YD)	HMA BINDER COURSE IL-19.0, N50 (TON)	POLYMERIZED HMA SURFACE COURSE IL 9.5, N50 (TON)	HMA SHOULDERS, 2" (TON)	HMA SHOULDERS, 3 3/4" (TON)	SHOULDER RUMBLE STRIPS 8 INCH (FOOT)	AGGREGATE WEDGE SHOULDERS TYPE B (TON)
IL 97																
236+60.00	to 265+50.00	LT & RT	2,890	26	6	92,480		6,936	2,890	14.4	1,052	701		405	5,608	80
265+50.00	to 290+72.29	LT & RT	2,522	26	6	80,713		6,053	2,522		918	612		353	4,775	70
290+72.29	to 291+59.90	LT	88	13	3	1,402		105	88		16	11		6		1
291+59.90	to 295+50.00	LT	390	13		5,071		380	390		71	47				
290+72.29	to 290+92.29	RT	20	13	3			24	20		4	2		1		0.3
290+92.29	to 295+50.00	RT	458	13		5,950		446	458		83	56				
295+50.00	to 296+08.53	LT & RT	59	26		1,522		114	59		21	14				
290+76.10	to 300+66.16	LT	990	13		12,871		965	990		180	120				
290+76.10	to 304+00.75	RT	1,325	13		17,220		1,292	1,325		241	161				
300+66.16	to 304+00.75	LT	335	13	3	5,353		402	335		61	41		23	-426	5
304+00.75	to 312+80.95	RT	880	13	3	14,083		1,056	880		160	107		62	601	12
304+00.75	to 320+17.57	LT	1,617	13	8	33,953		2,546	1,617		294	196		302	1,578	22
312+80.95	to 320+17.57	RT	737	13	8	15,469		1,160	737		134	89		138	674	10
320+17.57	to 320+69.00	LT	51	13	8	1,080		81	51		9	6		10	13	1
320+69.00	to 326+11.83	LT	543	13	8	11,399		855	543		99	66		101	513	8
326+11.83	to 331+17.12	LT	505	13	3	8,085		606	505	13.2	92	61		35	505	7
320+17.57	to 320+42.01	RT	24	13	8	513		38	24		4	3		5	24	0.3
320+42.01	to 320+69.00	RT	27	13	3	432		32	27		5	3		2	27	0.4
320+69.00	to 331+17.12	RT	1,048	16	3	19,914		1,494	1,048	13.2	235	157		73	989	
BRIDGE OMISSION												0				
332+23.49	to 337+71.51	LT	548	13	3	8,768		658	548	13.2	100	66		38	511	8
332+23.49	to 337+72.66	RT	549	13	3	8,787		659	549	13.2	100	67		38	549	8
337+71.51	to 348+09.06	LT	1,038	13	8	21,789		1,634	1,038		189	126		194	820	14
337+72.66	to 348+19.67	RT	1,047	13	8	21,987		1,649	1,047		191	127		195	949	15
348+09.06	to 350+17.57	LT	209	13	3	3,336		250	209		38	25		15	209	3
348+19.67	to 350+17.57	RT	198	13	3	3,166		237	198		36	24		14	198	3
350+17.57	to 367+30.44	LT	1,713	13	3	27,406		2,055	1,713		312	208		120	1,583	24
367+30.44	to 376+32.67	LT	902	13	8	18,947		1,421	902		164	109		168	661	13
376+32.67	to 380+17.57	LT	385	13	3	6,158		462	385		70	47		27	320	5
350+17.57	to 380+17.57	RT	3,000	13	3	48,000		3,600	3,000		546	364		210	2,892	42
380+17.57	to 410+17.57	LT & RT	3,000	26	6	96,000		7,200	3,000		1,092	728		420	5,676	83
410+17.57	to 440+17.57	LT & RT	3,000	26	6	96,000		7,200	3,000		1,092	728		420	5,150	83
440+17.57	to 444+27.57	LT	410	13	3	6,560		492	410		75	50		29	346	6
440+17.57	to 444+24.97	RT	407	13	3	6,518		489	407		74	49		29	367	6
444+27.57	to 454+20.00	LT	992	13	8	20,841		1,563	992		181	120		185	912	14
454+20.00	to 456+33.18	LT	213	13	6	3,944		296	213	10.8	39	26			213	3
444+24.97	to 454+20.00	RT	995	13	8	20,896		1,567	995		181	121		186	995	14
454+20.00	to 456+33.18	RT	213	13	6	3,944		296	213	10.8	39	26			213	3
BRIDGE OMISSION																
457+28.04	to 459+70.00	LT	242	13	6	4,476		336	242	10.8	44	29			242	3
459+70.00	to 464+36.13	LT	466	13	8	9,789		734	466		85	57		87	466	6
464+36.13	to 470+38.87	LT	581	13	8	12,210		916	581		106	71		109	552	8
457+28.04	to 459+70.00	RT	242	13	6	4,476		336	242	10.8	44	29			242	3
459+70.00	to 464+36.13	RT	466	13	8	9,789		734	466		85	57		87	378	6
464+36.13	to 470+38.87	RT	581	13	8	12,210		916	581		106	71		109	553	8
470+38.87	to 473+00.00	LT & RT	261	26	16	10,967		823	261		95	63		97	486	7
473+00.00	to 497+14.55	LT & RT	2,415	26	16	101,411		5,071	2,415	19.3		781		481	4,672	24
479+08.94	to 487+56.66	LT				39,346	1,967									
TOTALS=							1,967	66,180	38,582	130	8,762	6,622	481	4,292	45,038	628

MODEL: Schedule 2 (Rev 1)
FILE NAME: p:\projects\p2510101\documents\DOT Office\District 6\ORD Projects\672282\CADD\BDR\CA\Drawings\672282_4h_Schedule.dgn

REV. - MS

USER NAME = Christopher.Stietert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	16
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

STRIPING SCHEDULE

Table with columns for STA., LENGTH (FOOT), WHITE, YELLOW SKIP DASH, DOUBLE YELLOW, YELLOW, WHITE, and various material codes (78009005, 70300100, etc.). Includes a TOTAL row at the bottom.

GUARDRAIL SCHEDULE

Table with columns for STA., RT/LT, LENGTH (FOOT), and various material codes (63000001, 63100005, etc.). Includes a TOTALS row at the bottom.

GUTTER

Table with columns for STA., SIDE LT/RT, LENGTH (FOOT), and various material codes (20200100, 35101400, etc.). Includes a TOTALS row at the bottom.

MODEL - Schedule_1 (Sheet)
FILE NAME - I:\Illinois\Projects\DOT\228\GDRS\CADD\DOT228\GDRS\Schedule.dgn

Table with columns for USER NAME, DESIGNED, CHECKED, PLOT SCALE, and PLOT DATE.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Table with columns for SCALE, SHEET 4 OF 5 SHEETS, STA., and TO STA.

Table with columns for F.A.P RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO.

D672282 Horizontal Control Points						
Point Number	Northing	Easting	Description	Station	Offset	ALIGNMENT
	NAD83/2011adj					
11	1155009.667	2402478.568	STAR DRILL IN CHSLD X	498+63.263	32.67 LT	EXIST97
12	1157113.425	2403052.317	#4 REBAR W CAP	476+67.886	50.78 RT	EXIST97
13	1158302.504	2403167.003	#4 REBAR W CAP	464+71.549	30.87 LT	EXIST97
91013	1155938.645	2403192.931	#4 REBAR W CAP	487+59.924	338.92 LT	EXIST97
91014	1155703.938	2402774.876	#4 REBAR W CAP	491+09.800	23.12 LT	EXIST97
10000	1184507.969	2398802.952	NGS DISK - NGS ROCK AZ			
10001	1187566.191	2389402.787	NGS DISK - NGS MENARD 0313			

D67282 Benchmarks						
Benchmark	NAVD88 Elevation	Station	Offset	Alignment	Description	
BM TJM-3	556.079	149+42.2	32.5 RT	IL125	chsl d + SW bolt light pole N. side IL 125, +/- 460 ft. W. of IL 97	
BM TJM-1	561.188	498+58.8	46.5 LT	EXIST97	chsl d [] S. cor. traffic handhole foundation on island @ NE quad IL125 & IL97	
BM 521	551.152	469+47.1	39.1 LT	EXIST97	chsl d [] S. end E. hdwl culv under IL 97, 0.55 mile N. of jct IL 12	
BM 522	548.291	457+28.8	17.5 LT	E016	chsl d [] S. end E. curb bridge #084-0068, 0.78 mile N. along IL 97 from IL 125	
BM D2275-2	583.544	441+08.3	28.6 LT	E016	chsl d [] center E. hdwl culv. Under IL 97, 1.09 miles N. of jct IL 125	
BM D2275-1	595.364	432+20.5	62.2 RT	E016	chsl d + E. bolt fire hydraun: W. side IL 97, 1.26 miles N. of jct IL 125	
BM 524	591.783	423+46.4	20.5 RT	E016	chsl d [] center of W headwall along IL 97 near 2 large maple trees; 0.30 mi. S. of IL 97/Owens Lane	
BM CB-40	591.178	415+10.7	26.2 LT	E016	chsl d [] E hdwl 2x2 culv under IL97, 0.14 mile S of Owens Lane	
BM 525	596.134	407+69.3	50.8 LT	E016	railroad spike in W side power pole NE quad IL97 & Owens Lane	
BM 526	591.307	400+29.1	28.0 RT	E016	chsl d [] top 30" rcp W side IL97, 0.14 mile N of Owens Lane	
BM CB-41	593.878	395+42.7	20.7 RT	E016	chsl d [] W hdwl 2x2 culv under IL97, 0.24 mile N of Owens Lane	
BM CB-42	593.795	381+09.5	49.1 LT	E016	top of a conc row marker SE quad IL97 & Tolan Rd	
BM CB-43	591.894	378+80.2	19.9 LT	E016	chsl d [] on center concrete headwall at E. end of 2'x2' box culvert crossing IL 97; ±200' N. of IL 97/Tolan Rd Intersection	
BM CB-44	596.385	371+80.5	53.0 LT	E016	chsl d x NW flange bolt of fire hydraunt E side IL97, 20 ft S of ent to house #4926, 0.17 mile N of Tolan Rd	
BM 529	597.772	368+14.8	47.4 LT	E016	60 d spike nail in W side of power pole E side IL97, 5 ft N of a rock rd & 0.24 mile N of Tolan Rd	
BM CB-45	594.559	359+15.8	47.9 LT	E016	railroad spike in W side power pole buried 6" E side IL97, 120 ft S of a gravel ent & 0.41 mile N of Tolan Rd	
BM 531	560.854	344+90.8	20.9 LT	E016	chsl d [] on gutter 12 ft S of mailbox #5454, 0.68 mile N of Tolan Rd	
BM CB-46	525.522	335+82.5	91.1 LT	E016	chsl d x N flange bolt fire hydraunt E side IL97, 20 ft N of a gravel ent & 0.62 mile SE of Franklin St in Salisbury	
BM CB-47	530.197	331+16.8	17.1 LT	E016	chsl d [] NE wingwall sn #084-0067 under IL97, 0.53 mile SE of Franklin St in Salisbury	
BM 533 RESET	535.473	324+55.6	25.9 LT	E016	chsl d [] gutter E side IL97 and to ent to house #5860, 0.41 mile SE of FRANKLIN St in Salisbury	
BM CB-48	543.441	321+58.5	35.1 RT	E016	chsl d [] center W hdwl 3x3 culv under IL97, 0.35 mile SE of Franklin St in Salisbury	
BM 534 RESET	591.129	314+27.8	40.6 LT	E016	railroad spike in W side powerpole 10 ft S of ent, 0.21 mile SE of Franklin St in Salisbury	
BM CB-49	587.071	313+27.2	35.7 LT	E016	chsl d [] center E hdwl 2x2 culv under IL97, 0.19 mile SE of Franklin St in Salisbury	
BM CB-50	591.345	304+39.1	20.6 LT	E016	chsl d [] center E hdwl 2x2 culv under IL97, 135 ft E of Franklin St in Salisbury	
BM 536 RESET	592.882	294+56.2	22.1 LT	E016	60 d spike nail in W side of power pole NE side IL97 NW quad with Mill St in Salisbury	
BM CB-51	589.606	291+75.4	19.5 LT	E016	chsl d [] W rim of a storm sewer manhole, E of an inlet on E side of IL97, 70 ft N of ent to house #6148 & 300 ft NW of Mill St	
BM 537 RESET	582.194	288+85.9	33.9 LT	E015	chsl d [] S side of box culvert E side IL97, 15 ft S of ent to house #6256 & 0.12 mile NW of Byron St in Salisbury	
BM CB-52	592.038	275+64.6	32.0 LT	E015	5/8" iron pin 3 ft W of a 44" deciduous tree (Nortern most of 2 large trees) E side IL97 & 0.15 mile SE of Salisbury Rd	
BM 539 RESET	596.463	267+55.7	44.6 RT	E015	top of a row marker W side IL97, 25 ft N of Salisbury Rd & 1 ft W of a telephone pedestal	
BM CB-53	583.070	261+51.0	39.8 LT	E015	chsl d [] center E hdwl 3x3 culv under IL97, 0.12 mile N of Salisbury Rd - on drop box	
BM CB-54	598.126	251+99.4	44.5 RT	E015	railroad spike in E side of power pole buried 6" W side IL97, 140 ft N of ent to Stremsterfer Farms & 0.30 mile N of Salisbury Rd	
BM CB-55	601.092	237+56.6	45.3 LT	E015	rr spike W side of 1st powerpole on E side IL97 buried 6", 3.5 ft S of a fe & 0.1 mile S of county line, 0.57 mile N of Salisbury Rd	
BM CB-56	600.764	219+35.4	26.5 LT	E015	chsl d [] top E end 36" rcp FES crossing IL97, 130 ft N of a gravel ent to cell tower & 0.18 mile S of Knoles Rd	
BM CB-57	598.271	213+00.8	28.6 LT	E015	chsl d [] center E hdwl 2x2 culv under IL97, 330 ft S of Knoles Rd	

MODEL: 72282_A1B_E1h.rvt
 FILE NAME: P:\GIS\Projects\DOT\Documents\DOT Office\District 6\ORD Project\B672282\CADD\B672282-A1B.rvt




USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2024	DATE -	REVISED -

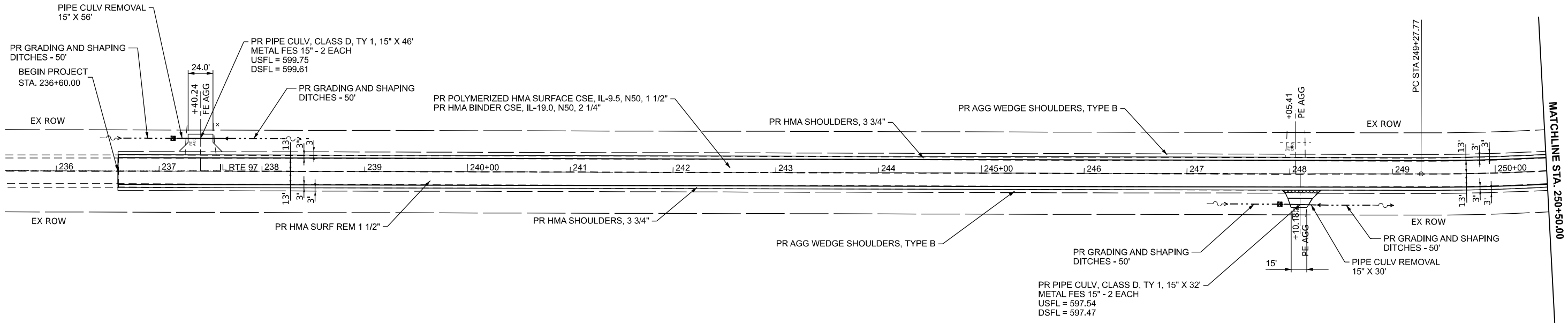
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




**HORIZONTAL AND VERTICAL CONTROL
IL 97**

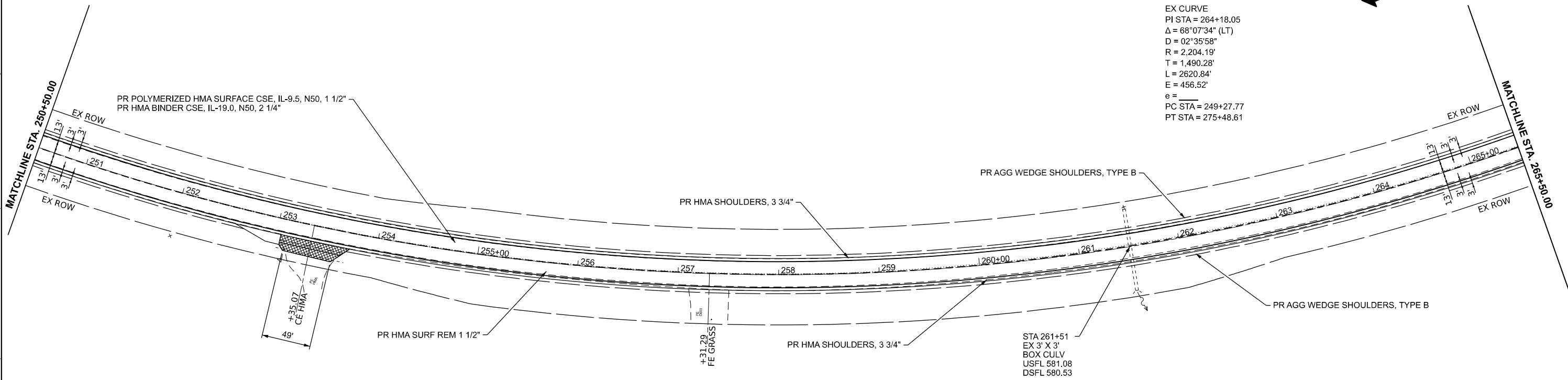
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	20
CONTRACT NO. 72282				
ILLINOIS		FED. AID PROJECT		

-  HMA SURFACE REMOVAL BUTT-JOINT
-  GRADING AND SHAPING DITCHES
-  INLET AND PIPE PROTECTION



-  HMA SURFACE REMOVAL BUTT-JOINT
-  GRADING AND SHAPING DITCHES
-  INLET AND PIPE PROTECTION



EX CURVE
 PI STA = 264+18.05
 $\Delta = 68^{\circ}07'34"$ (LT)
 $D = 02^{\circ}35'58"$
 $R = 2,204.19'$
 $T = 1,490.28'$
 $L = 2620.84'$
 $E = 456.52'$
 $e =$
 PC STA = 249+27.77
 PT STA = 275+48.61




MODEL: E:\C\4 - Plan 1 (Sheet)
 FILE NAME: P:\Bids\pcc\344\344-Plan1.dwg
 PROJECT: I:\DOT\Projects\BIDD\Office\BIDD\344\344-Plan1.dwg
 DATE: 2/17/2024

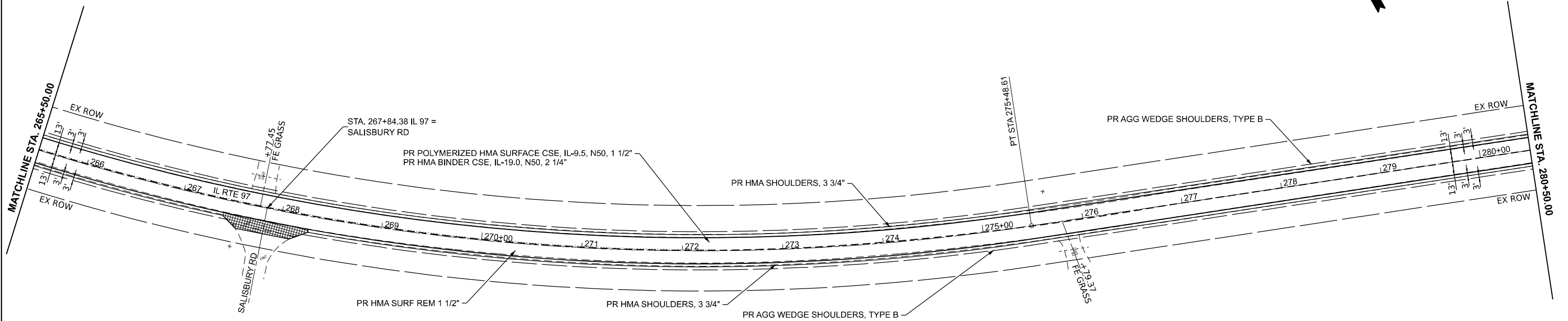
USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/17/2024	CHECKED -	REVISED -
	DATE -	REVISED -





**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

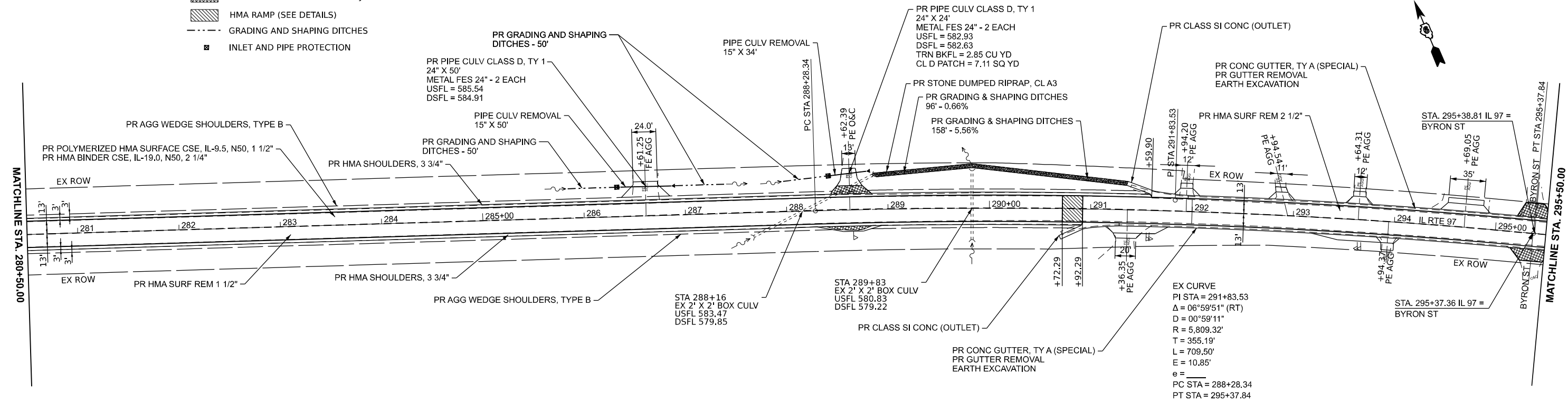
PLAN SHEET			
FAP 34 (IL 97)			
SCALE: 1"=50'	SHEET 1	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	21
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

-  HMA SURFACE REMOVAL BUTT-JOINT
-  GRADING AND SHAPING DITCHES
-  INLET AND PIPE PROTECTION



-  HMA SURFACE REMOVAL BUTT-JOINT
-  HMA RAMP (SEE DETAILS)
-  GRADING AND SHAPING DITCHES
-  INLET AND PIPE PROTECTION



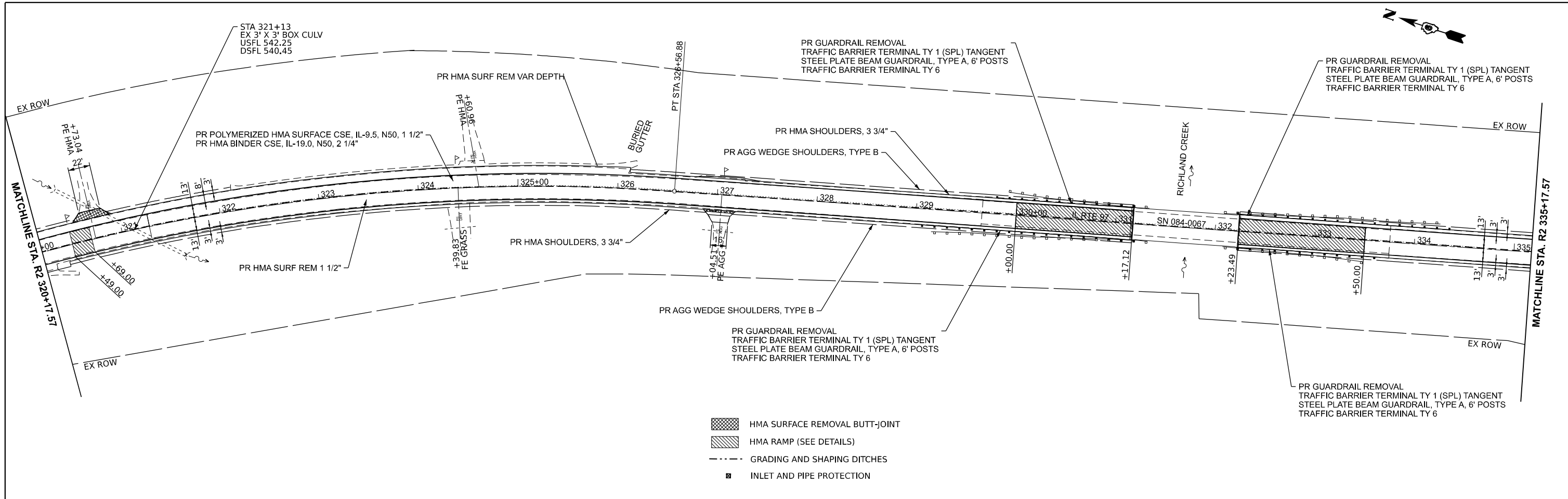
MODEL: E:\C44-Fin 3 (Rev4) FILE NAME: P:\Bids\p02282282\CADD\Drawings\CD\Drawings\B72282-Plan.dwg
 PROJECT: I:\CORE\Projects\B72282\CADD\Drawings\CD\Drawings\B72282-Plan.dwg

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/7/2024	CHECKED -	REVISED -
	DATE -	REVISED -

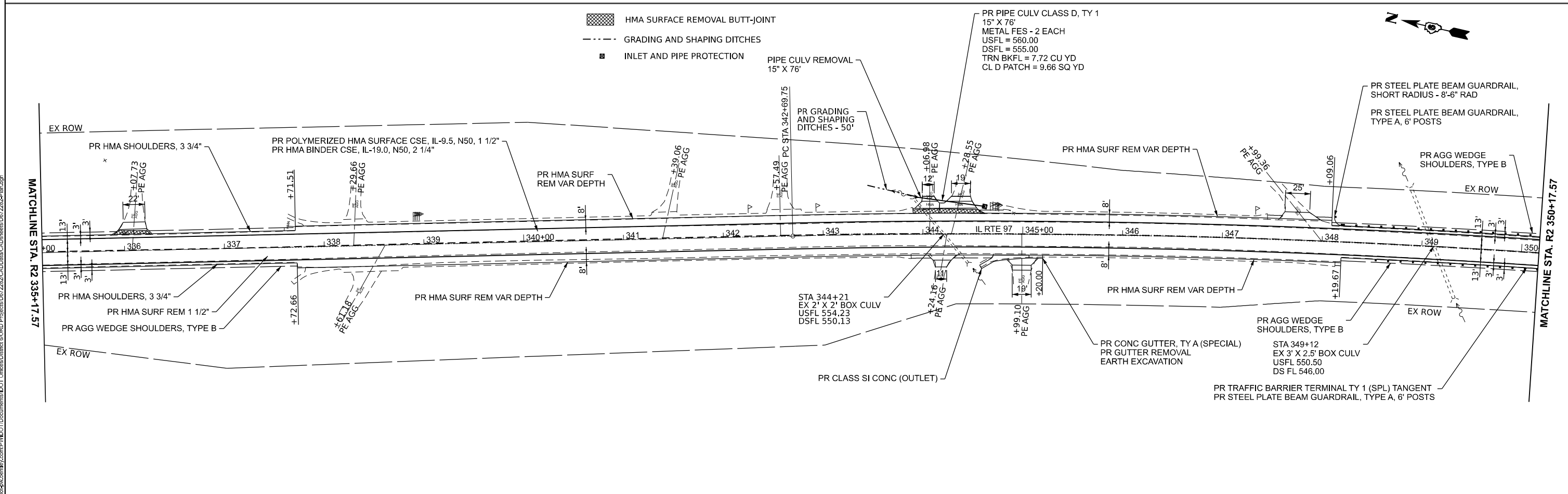
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET FAP 34 (IL 97)			
SCALE: 1"=50'	SHEET 2	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	22
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



- HMA SURFACE REMOVAL BUTT-JOINT
- HMA RAMP (SEE DETAILS)
- GRADING AND SHAPING DITCHES
- INLET AND PIPE PROTECTION



- HMA SURFACE REMOVAL BUTT-JOINT
- GRADING AND SHAPING DITCHES
- INLET AND PIPE PROTECTION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

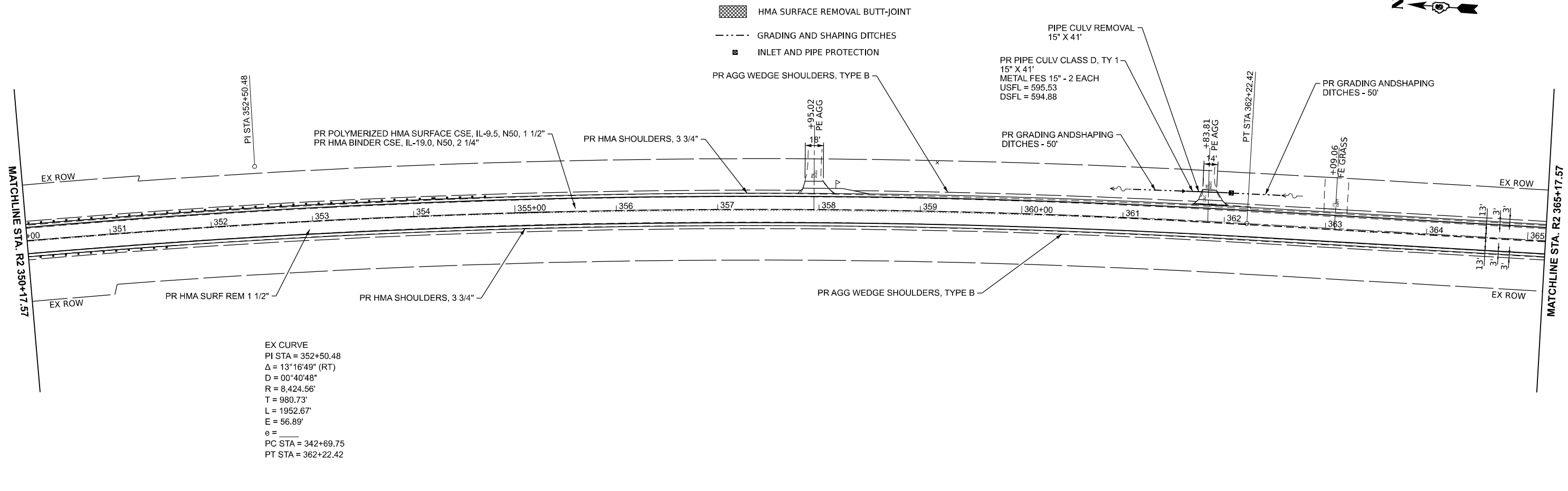
**PLAN SHEET
FAP 34 (IL 97)**

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/17/2024	DATE -	REVISED -

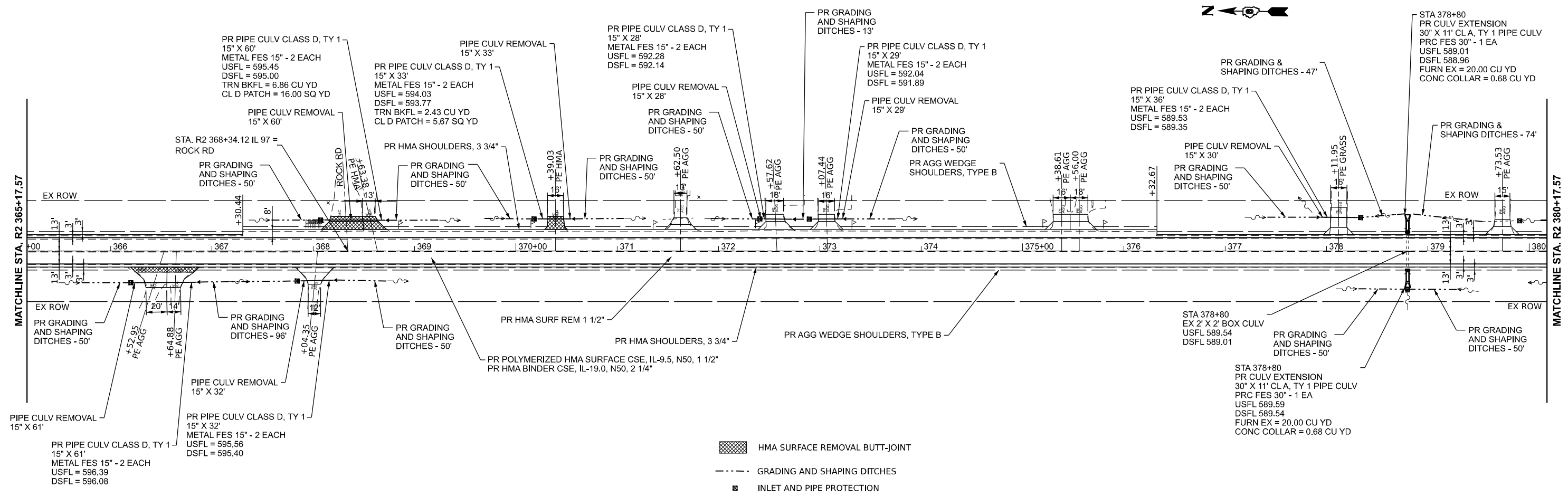
SCALE: 1"=50' SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	24
CONTRACT NO. 72282				
ILLINOIS FED.AID PROJECT				

MODEL: E:\C4 - Plan 7 (Sheet) FILE NAME: P:\Bids\pcc\sb\1\com\p\DOT\Documents\DOT Office\Sheet\BORD Projects\B72282\CADDData\C4\Sheet\B72282-Plan.dgn



EX CURVE
 PI STA = 352+50.48
 $\Delta = 13^{\circ}16'49"$ (RT)
 $D = 00^{\circ}40'48"$
 $R = 8,424.56'$
 $T = 980.73'$
 $L = 1952.67'$
 $E = 56.89'$
 $e =$
 PC STA = 342+69.75
 PT STA = 362+22.42






MODEL: E:\CL4 - Plan 9 (Sheet)
 FILE NAME: P:\Bids\pcc\cl4\plan9\DOT\Office\Sheet\CORED\Project\Bids\B72282\CADD\Drawings\CL4\Drawings\B72282-Plan.dwg

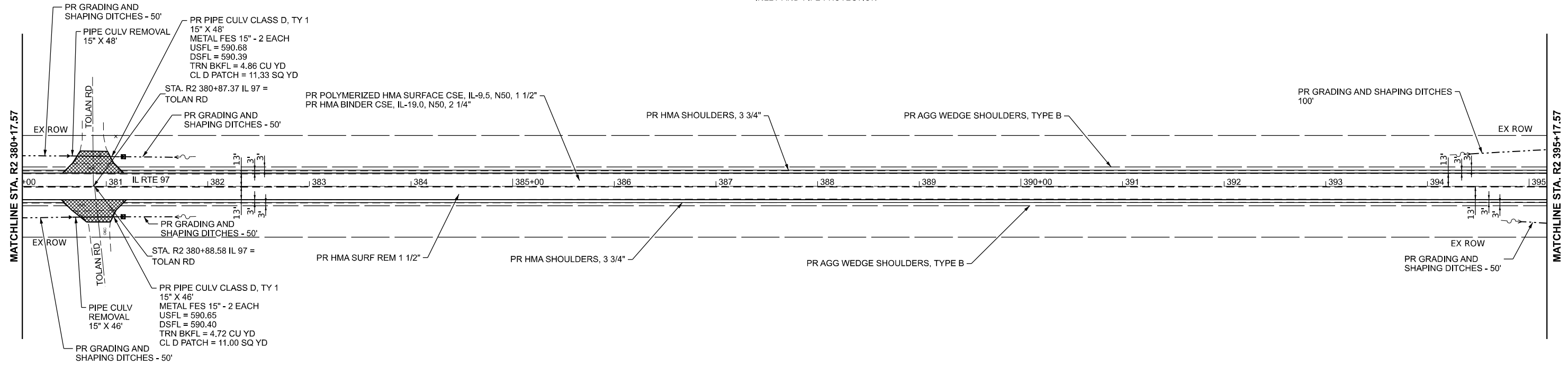
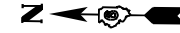
USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/17/2024	CHECKED -	REVISED -
	DATE -	REVISED -




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

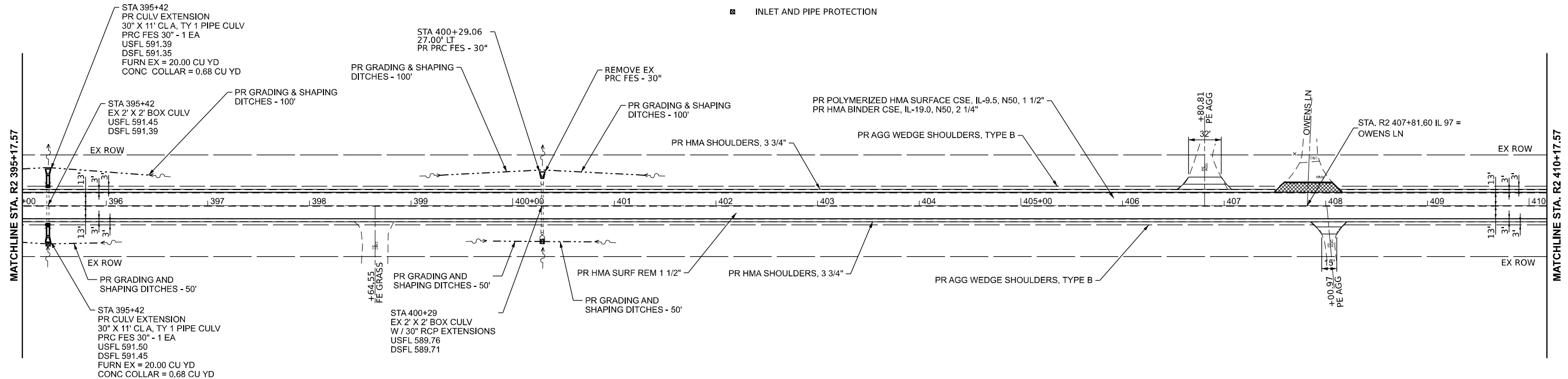
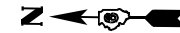
SCALE: 1"=50'		SHEET 5		OF 9 SHEETS		STA.	TO STA.
		PLAN SHEET FAP 34 (IL 97)					

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	25
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

-  HMA SURFACE REMOVAL BUTT-JOINT
-  GRADING AND SHAPING DITCHES
-  INLET AND PIPE PROTECTION



-  HMA SURFACE REMOVAL BUTT-JOINT
-  GRADING AND SHAPING DITCHES
-  INLET AND PIPE PROTECTION



MODEL: E:\C4 - Plan 11 (Sheet)
 FILE NAME: P:\Bids\3448\3448-11\3448-11.dwg
 PROJECT: I:\DOT\Projects\3448\3448-11\3448-11.dwg
 USER: Christopher.Siefert

USER NAME	= Christopher.Siefert	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	= \$SCALE\$	CHECKED	-	REVISIONS	-
PLOT DATE	= 2/17/2024	DATE	-	REVISIONS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET
FAP 34 (IL 97)**

SCALE: 1"=50' SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	26
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

HMA SURFACE REMOVAL BUTT-JOINT

GRADING AND SHAPING DITCHES

INLET AND PIPE PROTECTION



STA 423+46
PR CULV EXTENSION
30" X 11' CL A, TY 1 PIPE CULV
PRC FES 30" - 1 EA
USFL 589.63
DSFL 589.58
FURN EX = 20.00 CU YD
CONC COLLAR = 0.68 CU YD

STA 423+46
EX 2' X 2' BOX CULV
USFL 589.58
DSFL 589.33

PR GRADING & SHAPING
DITCHES - 100' - 0.3%

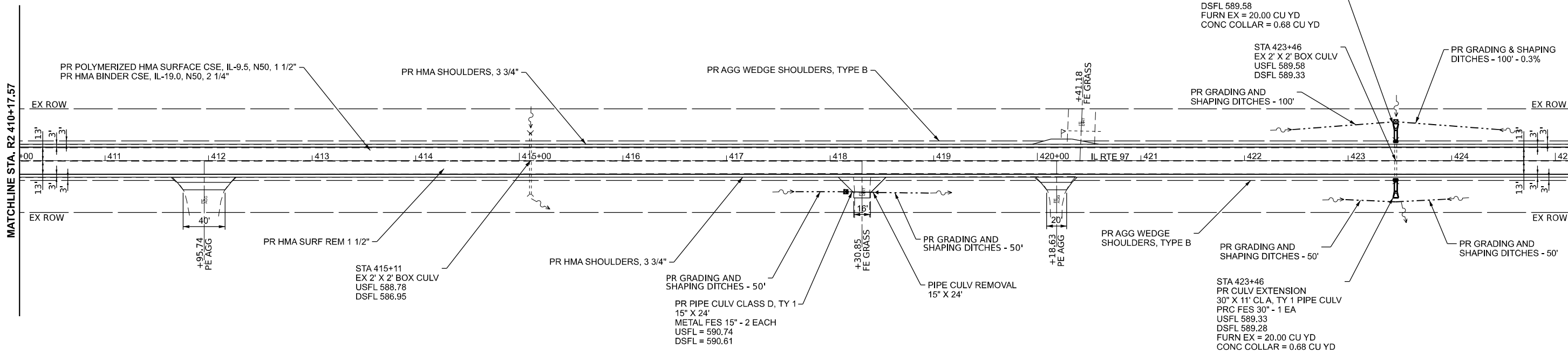
PR GRADING AND
SHAPING DITCHES - 100'

STA 423+46
PR CULV EXTENSION
30" X 11' CL A, TY 1 PIPE CULV
PRC FES 30" - 1 EA
USFL 589.33
DSFL 589.28
FURN EX = 20.00 CU YD
CONC COLLAR = 0.68 CU YD

PR GRADING AND
SHAPING DITCHES - 50'

MATCHLINE STA. R2 410+17.57

MATCHLINE STA. R2 425+17.57



HMA SURFACE REMOVAL BUTT-JOINT

GRADING AND SHAPING DITCHES

INLET AND PIPE PROTECTION



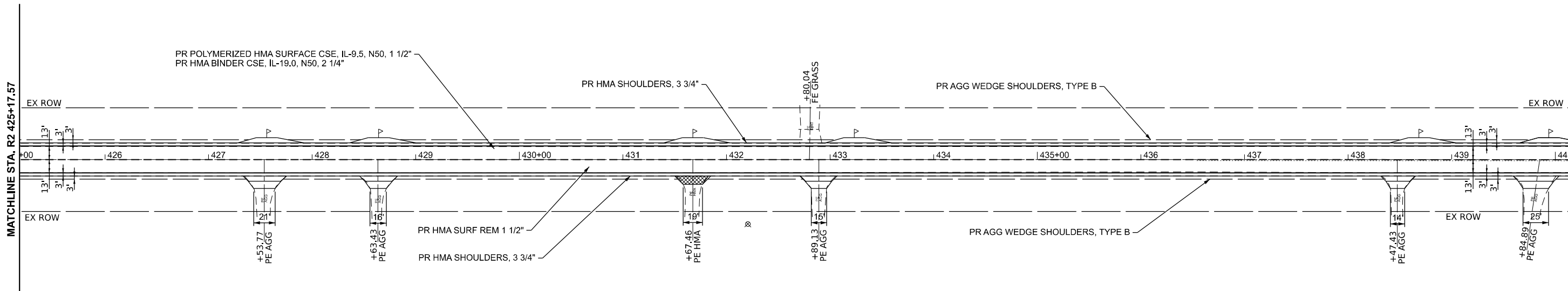
PR POLYMERIZED HMA SURFACE CSE, IL-9.5, N50, 1 1/2"
PR HMA BINDER CSE, IL-19.0, N50, 2 1/4"

PR HMA SHOULDERS, 3 3/4"

PR AGG WEDGE SHOULDERS, TYPE B

MATCHLINE STA. R2 425+17.57

MATCHLINE STA. R2 440+17.57



MODEL: E:\C\4 - Plan 15 (Sheet)
FILE NAME: P:\Bids\p15\15 (Sheet)\CADD\Bids\B72282\B72282-Plan.dgn




USER NAME = Christopher.Siefert	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/7/2024	DATE -	REVISED -

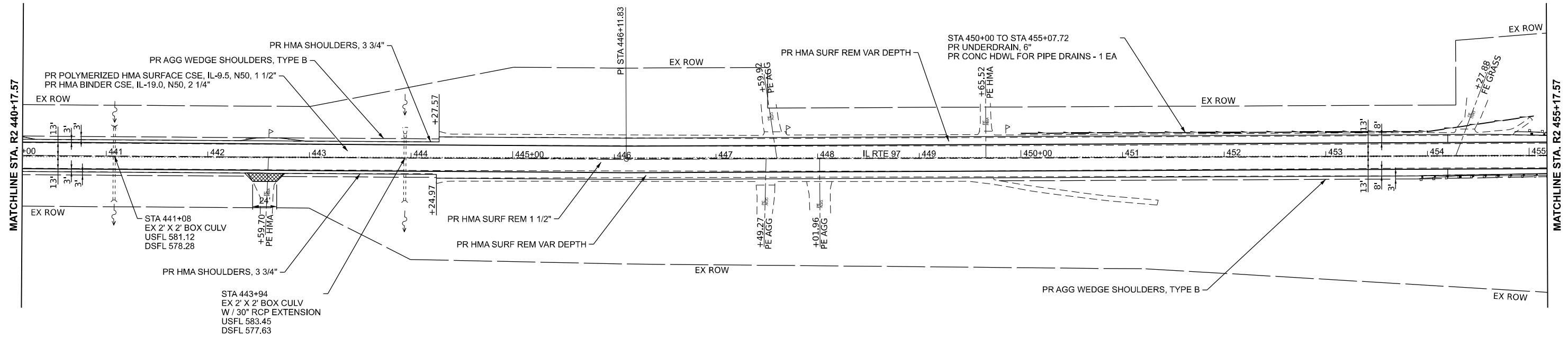
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION





PLAN SHEET
FAP 34 (IL 97)

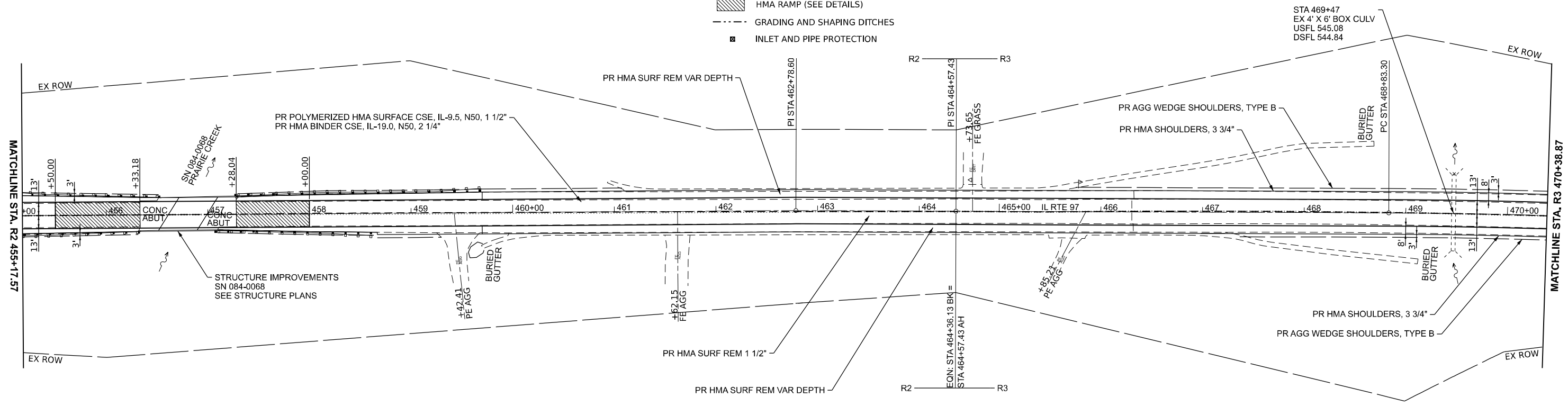
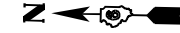
SCALE: 1"=50' SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	27
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

-  HMA SURFACE REMOVAL BUTT-JOINT
-  GRADING AND SHAPING DITCHES
-  INLET AND PIPE PROTECTION



-  HMA SURFACE REMOVAL BUTT-JOINT
-  HMA RAMP (SEE DETAILS)
-  GRADING AND SHAPING DITCHES
-  INLET AND PIPE PROTECTION



MODEL: E:\C4-Plan 15 (Sheet)
 FILE NAME: P:\Bids\2024\2282\CD\Drawings\CD\Sheet\B72282-Plan.dgn

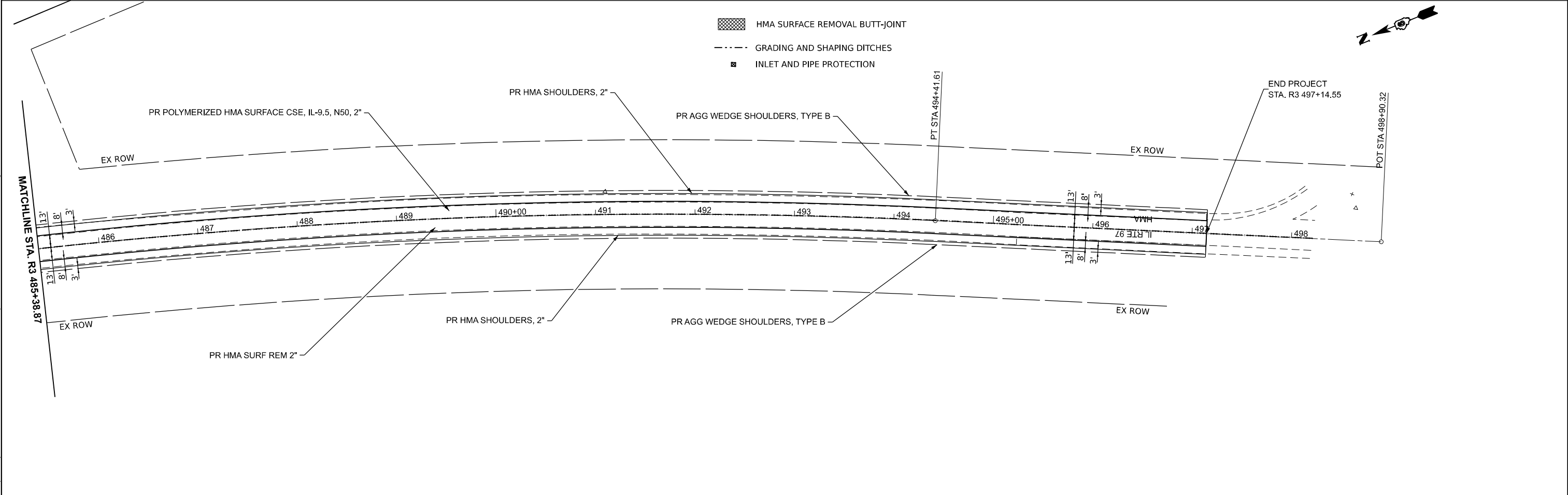
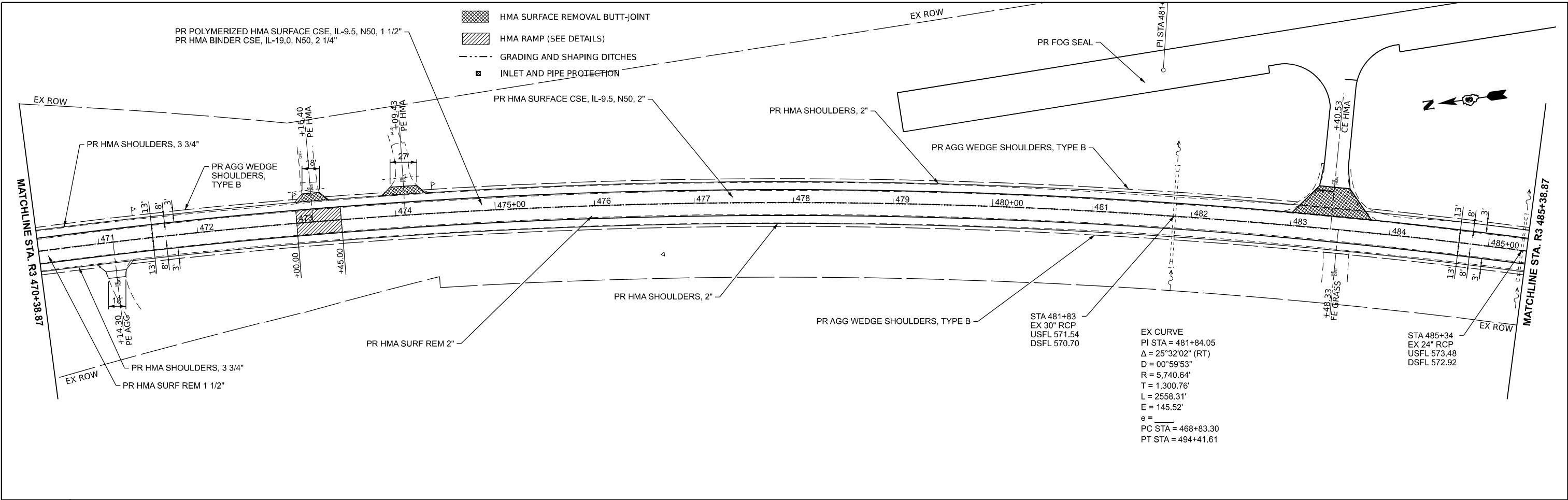
USER NAME	= Christopher.Stiefert	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	= \$SCALE\$	CHECKED	-	REVISIONS	-
PLOT DATE	= 2/17/2024	DATE	-	REVISIONS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET
FAP 34 (IL 97)**

SCALE: 1"=50' SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	28
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



MODEL: E:\C4-Plan 17 (Sheet)
 FILE NAME: P:\Bids\p1000\1000\DOT\Office\Drawings\DOT\Drawings\CADD\Drawings\B72282\Plan.dgn


USER NAME	= Christopher.Stiefert	DESIGNED	-	REVISED	-
DRAWN	-	REVISOR	-	REVISION	-
PLOT SCALE	= \$SCALE\$	CHECKED	-	REVISOR	-
PLOT DATE	= 2/17/2024	DATE	-	REVISION	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

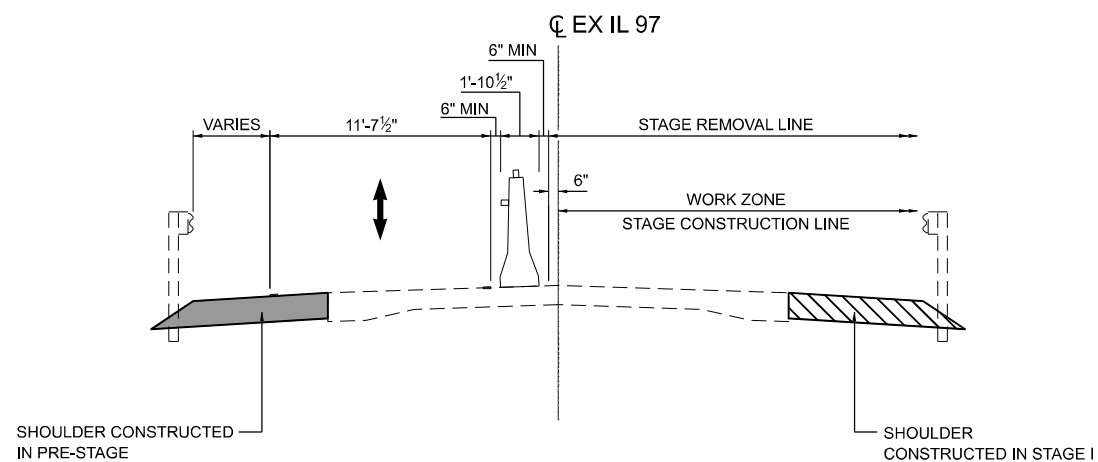
PLAN SHEET FAP 34 (IL 97)			
SCALE: 1"=50'	SHEET 9	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	29
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

LEGEND

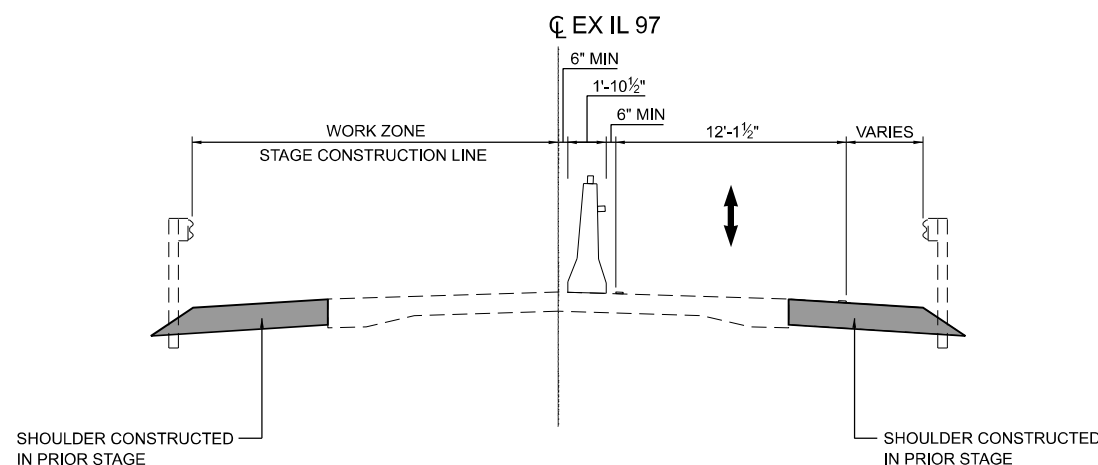
 TEMPORARY CONCRETE BARRIER W/
BARRIER WALL REFLECTORS, TYPE C
(REFLECTORS INCLUDED IN COST OF WALL)

 DIRECTION OF TRAFFIC



STAGE I TYPICAL SECTION

STA 454+20.00 TO STA 456+33.18
BRIDGE OMISSION (SEE BRIDGE PLANS)
STA 457+28.04 TO STA 459+70.00
(LOOKING SOUTH)



STAGE II TYPICAL SECTION

STA 454+20.00 TO STA 456+33.18
BRIDGE OMISSION (SEE BRIDGE PLANS)
STA 457+28.04 TO STA 459+70.00
(LOOKING SOUTH)

STAGE CONSTRUCTION NOTES

PRE-STAGE TRAFFIC

CLOSE NORTHBOUND LANE AS REQUIRED USING HIGHWAY STANDARD 701326.

PRE-STAGE CONSTRUCTION

CONSTRUCT NORTHBOUND SHOULDER AS DETAILED IN THE MAINTENANCE OF TRAFFIC STAGE I TYPICAL SECTIONS AND PLANS.

STAGE I TRAFFIC

CLOSE SOUTHBOUND LANE TRANSITIONING NORTHBOUND AND SOUTHBOUND TRAFFIC INTO THE NORTHBOUND LANE AND SHOULDER USING HIGHWAY STANDARD 701321 AND AS DETAILED IN THE MAINTENANCE OF TRAFFIC STAGE I TYPICAL SECTIONS AND PLANS.

STAGE I CONSTRUCTION

PERFORM STAGE I WORK ACCORDING TO BRIDGE PLANS, CONSTRUCT SOUTHBOUND SHOULDER AS DETAILED IN THE MOT STAGE I TYPICAL SECTION AND PLANS USING HIGHWAY STANDARD 701321 PRIOR TO ATTENUATOR PLACEMENT AND HIGHWAY STANDARD 701326.

STAGE II TRAFFIC

CLOSE NORTHBOUND LANE TRANSITIONING NORTHBOUND AND SOUTHBOUND TRAFFIC INTO THE SOUTHBOUND LANE AND SHOULDER USING HIGHWAY STANDARD 701321 AND AS DETAILED IN THE MAINTENANCE OF TRAFFIC STAGE II TYPICAL SECTION PLANS.

STAGE II CONSTRUCTION

PERFORM STAGE II WORK ACCORDING TO BRIDGE PLANS

SHOULDER SCHEDULE						
LOCATION			PAVED SHOULDER REMOVAL	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SHOULDERS, 8"	
STA	STA	LT / RT	44004250 (SQ YD)	40600290 (POUND)	48203029 (SQ YD)	
454+20.00	456+51.75	LT	191.84	41.26	191.84	
454+20.00	456+33.42	RT	159.59	34.15	159.59	
457+27.97	459+70.00	LT	193.09	41.44	193.09	
457+09.44	459+70.00	RT	165.6	35.14	165.6	
SUBTOTAL			710.12	151.99	710.12	
USE			711	160	711	

TEMPORARY CONCRETE BARRIER SCHEDULE						
LOCATION			TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
STA	STA	LT / RT	70400100 (FOOT)	70400200 (FOOT)	70600251 (EACH)	70600352 (EACH)
454+78.82	456+05.00	LT / RT	126.70	126.70	1	1
456+05.00	457+56.86	LT / RT	152.04	152.04		
457+56.86	458+83.11	LT / RT	126.70	126.70	1	1
SUBTOTAL			405.44	405.44	2	2
USE			412.5	412.5	2	2

MODEL: MOT Typicals_1 [Sheet]
FILE NAME: S:\2020\20IL009 - PTB 194-46 D6 - TMM - Various Phase III\WO 10 IL 97 over Richland Creek\CADD\CADD Sheets\0672282-shr-staging typicals.dgn



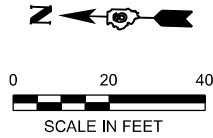
USER NAME = JNejmanowski	DESIGNED - RG	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - TO	REVISED -
PLOT DATE = 1/31/2024	CHECKED - FBN	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
IL 97 (SN 084-0068)**

SCALE: NONE SHEET 1 OF 6 SHEETS STA. TO STA.

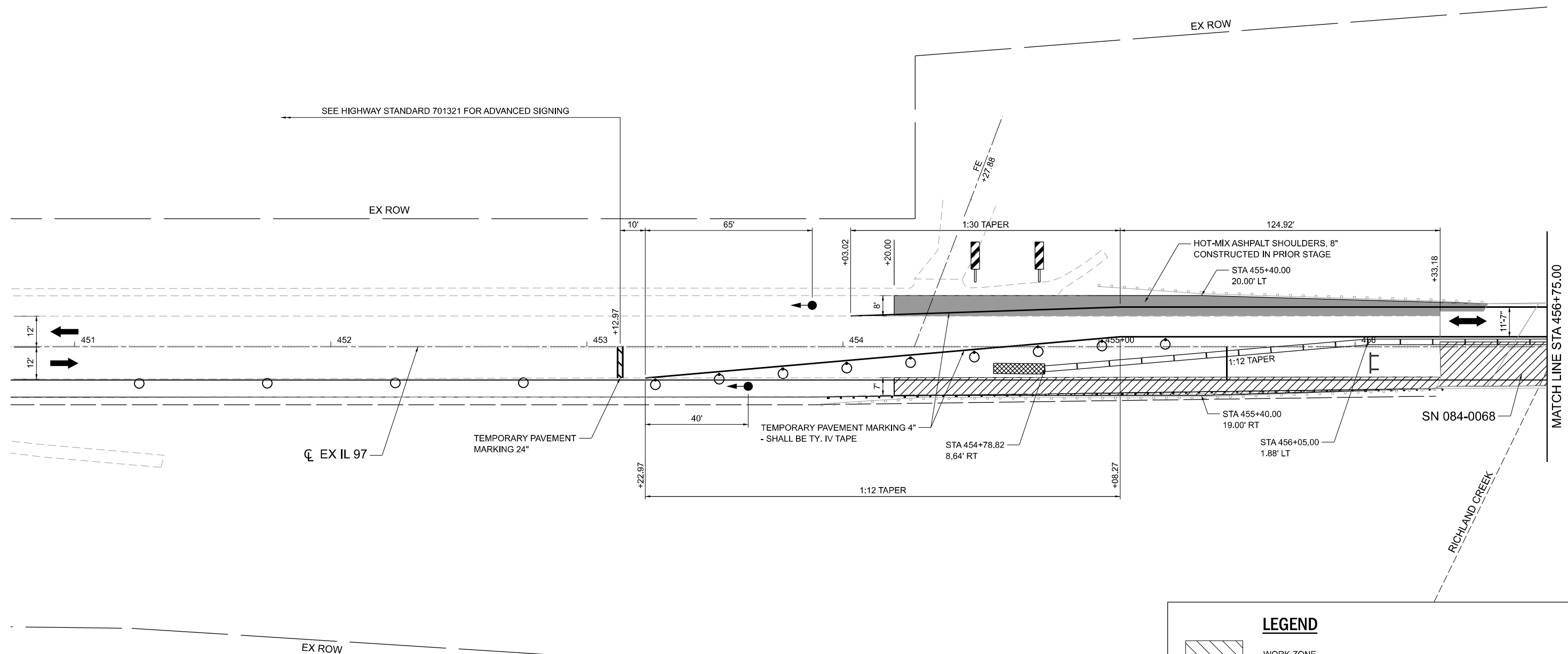
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR, BRR	SANGAMON	58	30
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



NOTE:

TEMPORARY CONCRETE BARRIER CONTROL IS TO CENTER OF WALL.

TEMPORARY PAVEMENT MARKING FOR TRAFFIC CONTROL SHALL USE TYPE IV TAPE.



LEGEND

- WORK ZONE
- IMPACT ATTENUATOR
- TRAFFIC SIGN
- VERTICAL PANEL
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DOUBLE VERTICAL PANEL W/ BI-DIRECTIONAL STEADY BURN LIGHT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY TRAFFIC SIGNAL

MODEL: STAGE 1A PLAN 1 (Sheet) FILE NAME: S:\2020\01\009 - PTB 194-46 D6 - TWM - Various Phase HillWO 10 IL 97 over Richland_Creek\CADD\CADD Sheets\0672282-sht-staging_01.dgn



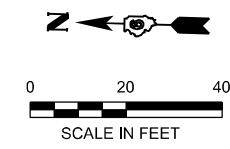
USER NAME = J.Nejmanowski	DESIGNED - RG	REVISED -
DRAWN - TO	REVISOR -	
PLOT SCALE = 0.16666633 1/ln.	CHECKED - FBN	REVISED -
PLOT DATE = 1/31/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

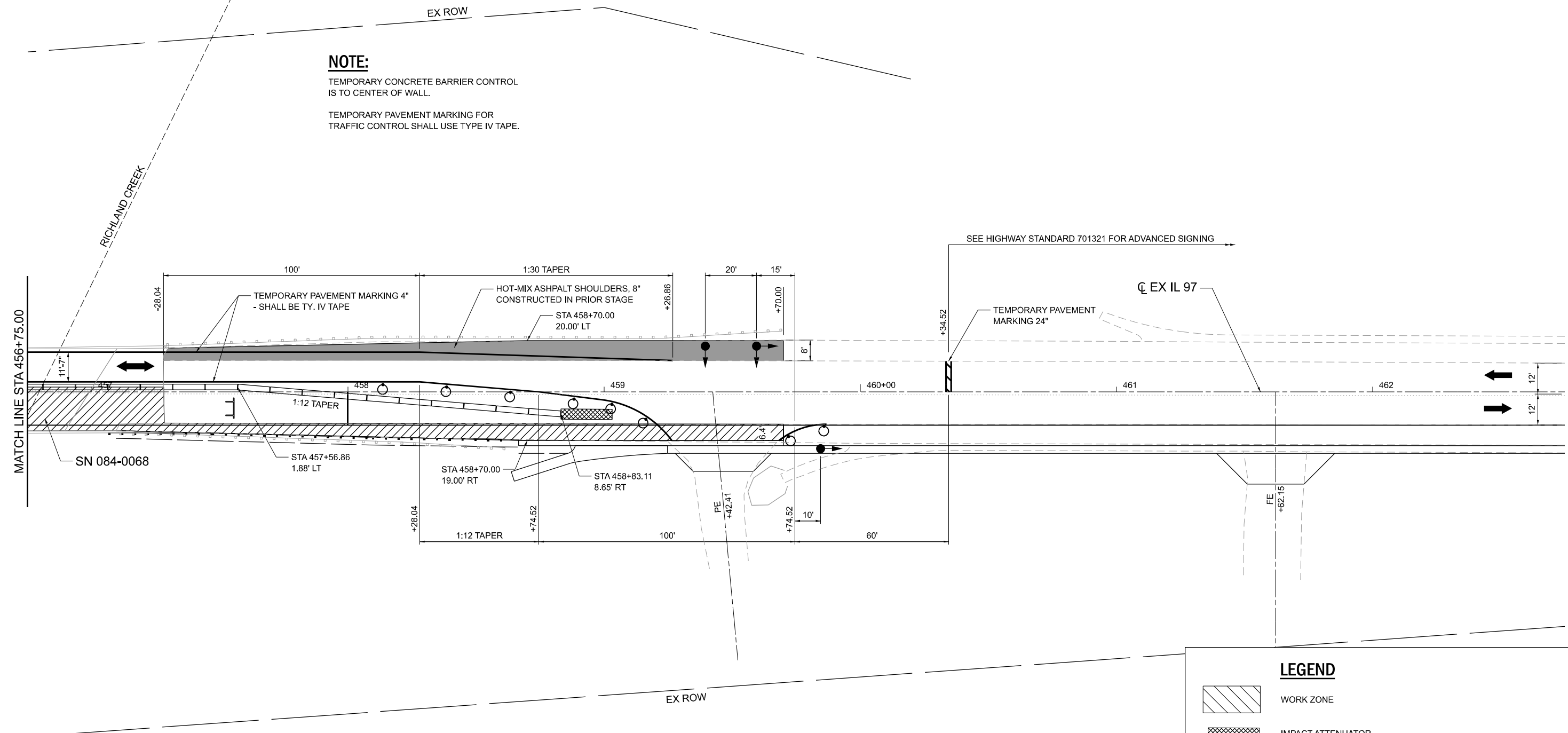
**MAINTENANCE OF TRAFFIC - STAGE I
IL 97 (SN 084-0068)**

SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. 450+75.00 TO STA. 456+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR, BRR	SANGAMON	58	31
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



NOTE:
 TEMPORARY CONCRETE BARRIER CONTROL IS TO CENTER OF WALL.
 TEMPORARY PAVEMENT MARKING FOR TRAFFIC CONTROL SHALL USE TYPE IV TAPE.



LEGEND	
	WORK ZONE
	IMPACT ATTENUATOR
	TRAFFIC SIGN
	VERTICAL PANEL
	TEMPORARY CONCRETE BARRIER
	TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHT
	DOUBLE VERTICAL PANEL W/ BI-DIRECTIONAL STEADY BURN LIGHT
	TYPE III BARRICADE
	DIRECTION OF TRAFFIC
	TEMPORARY TRAFFIC SIGNAL

MODEL: STAGE 1A PLAN 2 (Sheet)
 FILE NAME: S:\2020\01\009 - PTB 194-46 D6 - TWM - Various Phase II\IWO 10 IL 97 over Richland Creek\CADD\CADD Sheets\672282-sht-staging_01.dgn



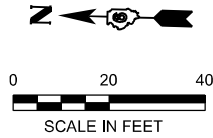
USER NAME = JNejmanowski	DESIGNED - RG	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - TO	REVISED -
PLOT DATE = 1/31/2024	CHECKED - FBN	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE I
 IL 97 (SN 084-0068)**

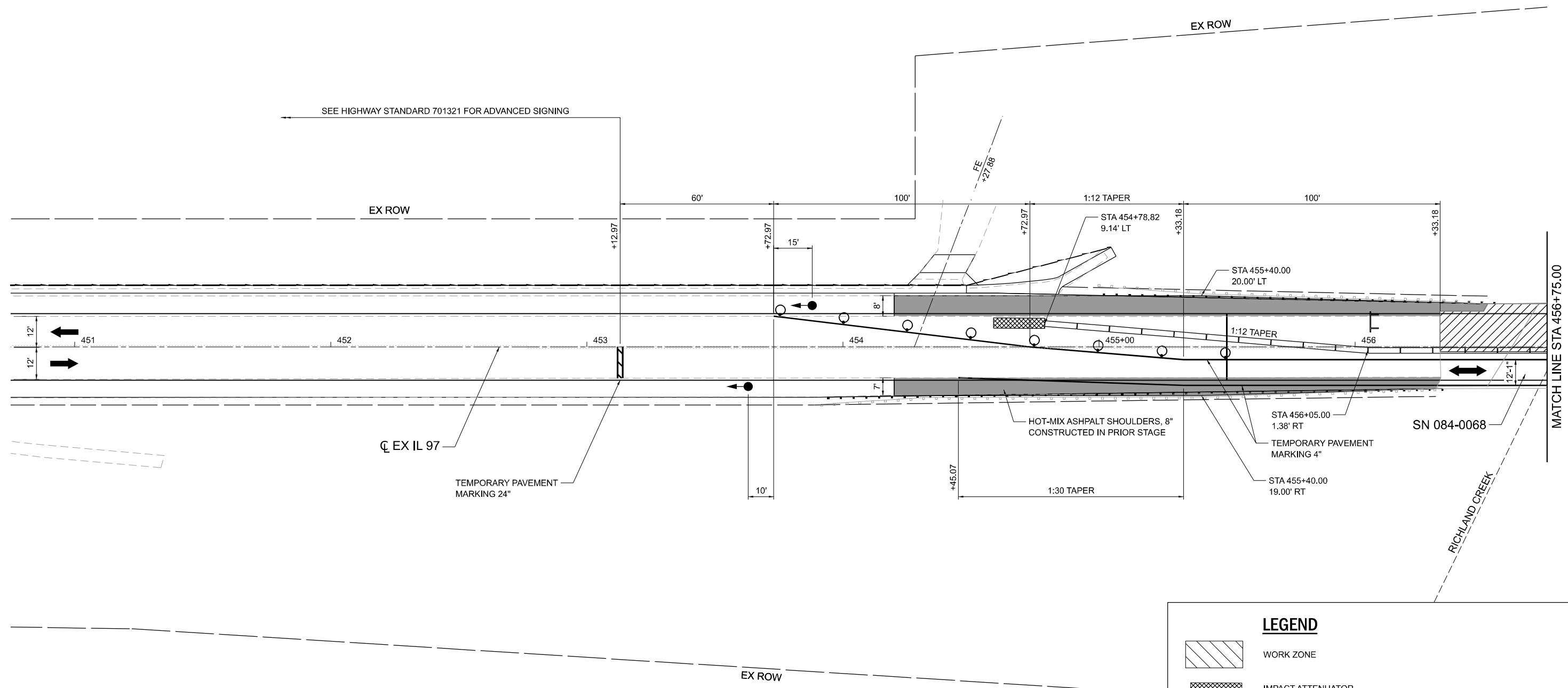
SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. 456+75.00 TO STA. 462+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR, BRR	SANGAMON	58	32
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



NOTE:
 TEMPORARY CONCRETE BARRIER CONTROL
 IS TO CENTER OF WALL.

TEMPORARY PAVEMENT MARKING FOR
 TRAFFIC CONTROL SHALL USE TYPE IV TAPE.



LEGEND

- WORK ZONE
- IMPACT ATTENUATOR
- TRAFFIC SIGN
- VERTICAL PANEL
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DOUBLE VERTICAL PANEL W/ BI-DIRECTIONAL STEADY BURN LIGHT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY TRAFFIC SIGNAL

MODEL: STAGE 1 PLAN 1 (Sheet)
 FILE NAME: S:\2020\201009 - PTB 194-46 D6 - TWM - Various Phase III\WO 10 IL 97 over Richland Creek\CADD\CADD Sheets\672282-sht-staging_02.dgn



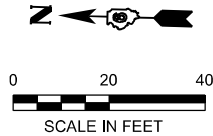
USER NAME = JNejmanowski	DESIGNED - RG	REVISED -
DRAWN - TO	REVISIONS -	
PLOT SCALE = 0.16666633' / in.	CHECKED - FBN	REVISED -
PLOT DATE = 1/31/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

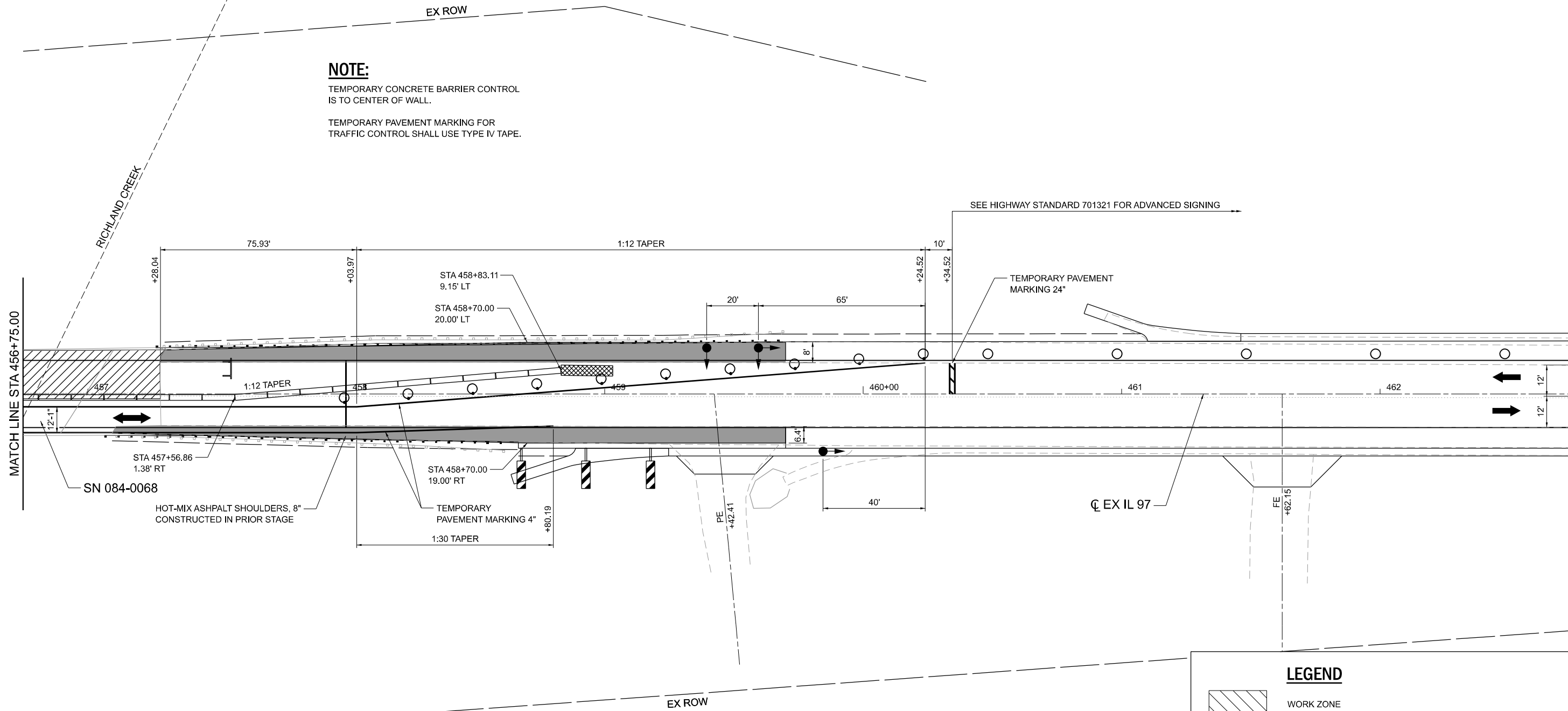
**MAINTENANCE OF TRAFFIC - STAGE II
 IL 97 (SN 084-0068)**

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. 450+75.00 TO STA. 456+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR, BRR	SANGAMON	58	33
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



NOTE:
 TEMPORARY CONCRETE BARRIER CONTROL IS TO CENTER OF WALL.
 TEMPORARY PAVEMENT MARKING FOR TRAFFIC CONTROL SHALL USE TYPE IV TAPE.



LEGEND	
	WORK ZONE
	IMPACT ATTENUATOR
	TRAFFIC SIGN
	VERTICAL PANEL
	TEMPORARY CONCRETE BARRIER
	TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHT
	DOUBLE VERTICAL PANEL W/ BI-DIRECTIONAL STEADY BURN LIGHT
	TYPE III BARRICADE
	DIRECTION OF TRAFFIC
	TEMPORARY TRAFFIC SIGNAL

MODEL: STAGE 1 PLAN 2 (Sheet)
 FILE NAME: S:\2020\201009 - PTB 194-46 D6 - TWM - Various Phase II\IWO 10 IL 97 over Richland Creek\CADD\CADD Sheets\672282-shr-staging_02.dgn



USER NAME = J.Nejmanowski	DESIGNED - RG	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - TO	REVISED -
PLOT DATE = 1/31/2024	CHECKED - FBN	REVISED -
	DATE -	REVISED -

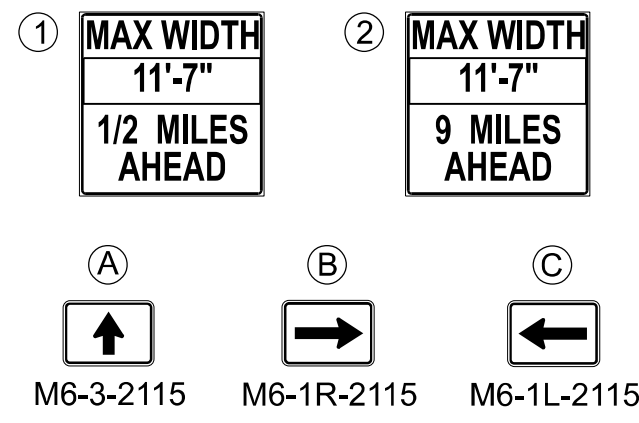
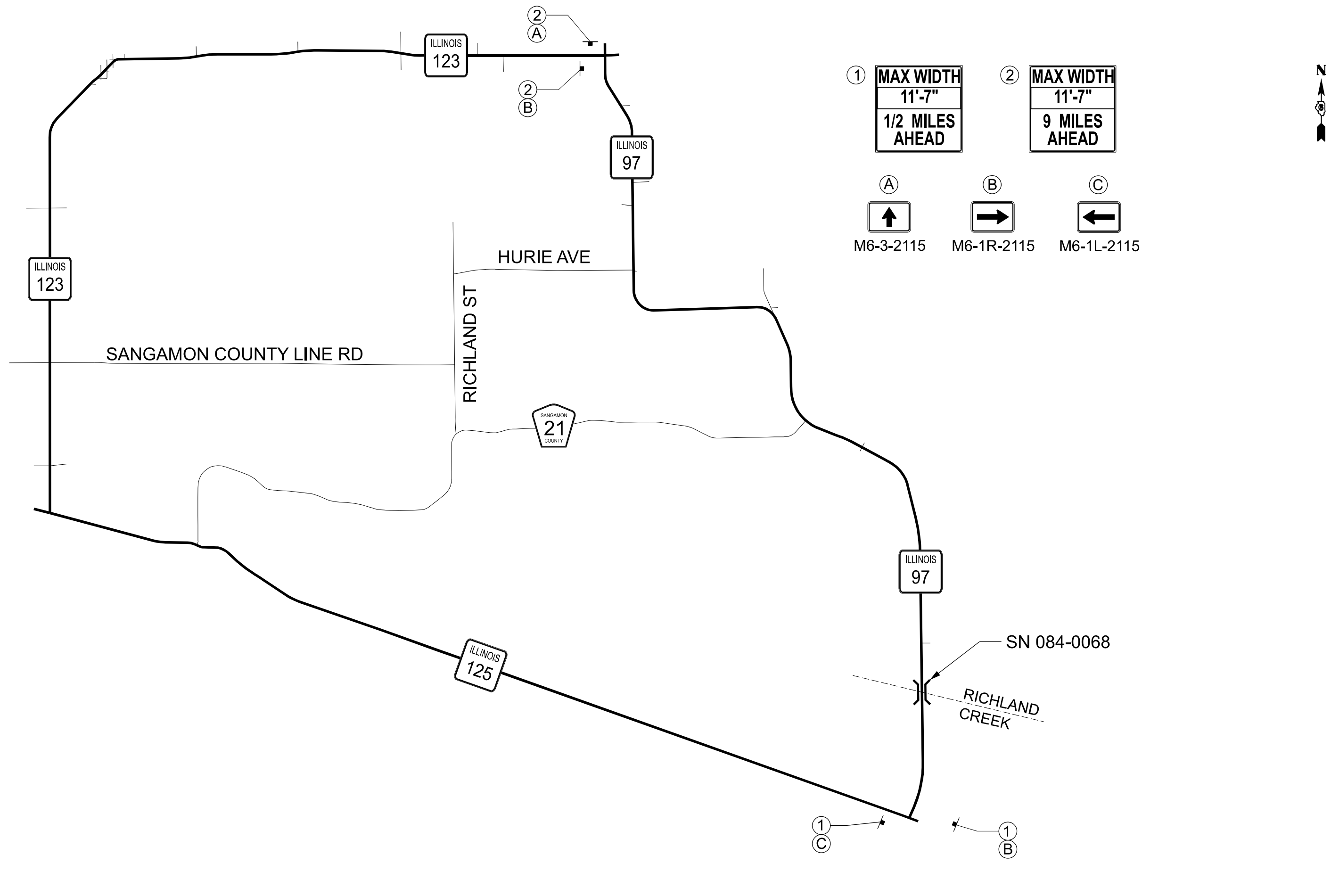
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE II
IL 97 (SN 084-0068)

SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. 456+75.00 TO STA. 462+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR, BRR	SANGAMON	58	34
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

MODEL: DETOUR - Plan 1 [Sheet]
 FILE NAME: S:\2022\01\009 - PTB 194-46.Dwg - TWM - Various Phase_HHW 10 IL 97 over Richland Creek\CADD\CADD_Sheets\672282-shrwide_load_detour.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
DRAWN - TO	REVISOR -	
PLOT SCALE = 0.16666833' / in.	CHECKED - FBN	REVISED -
PLOT DATE = 1/2/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION DETAIL AND SIGNING
 IL 97 (SN 084-0068)

SCALE: NONE SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR, BRR	SANGAMON	58	35
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Plan dimensions and details relative to 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 of materials. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcing bars designated (E) shall be epoxy coated. Prior to pouring new concrete, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete.

At the Contractor's option, the approach Precast Concrete Bridge Slabs may be cast-in-place at no additional cost to the Department. Identical dimensions and reinforcement shall be utilized if cast-in-place. Concrete with a $f'c = 4,000$ psi is allowable if cast-in-place.

Synthetic fibers are not required for the Bridge Deck Microsilica Concrete Overlay.

Correct profile grade on approaches with thicker Bridge Deck Microsilica Overlay or Hot-Mix Asphalt as necessary. See Sheet 5 of 9 for Overlay and Repair Plan.

DESIGN STRESSES

FIELD UNITS (New Const.)

$f'c = 4,000$ psi (Concrete Superstructure)
 $f_y = 60,000$ psi (Reinforcement)

PRECAST UNITS (New Const.)

$f'c = 6,000$ psi
 $f'ci = 5,000$ psi

DESIGN SPECIFICATIONS

2002 Standard Specifications for Highway Bridges, 17th Edition

LOADING HS 20-44

No allowance for future wearing surface.

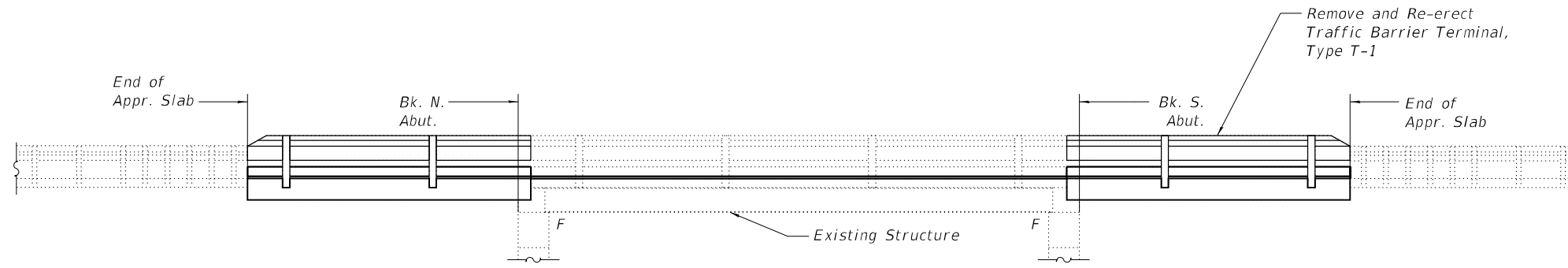
INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 Proposed Cross Sections
- 3 Stage Construction Details
- 4 Temporary Concrete Barrier
- 5 Overlay and Repair Plan
- 6 Precast Bridge Slab Removal and Replacement
- 7 Approach Precast Concrete Bridge Slab Details
- 8 Substructure Repair
- 9 Existing Structure Sheets

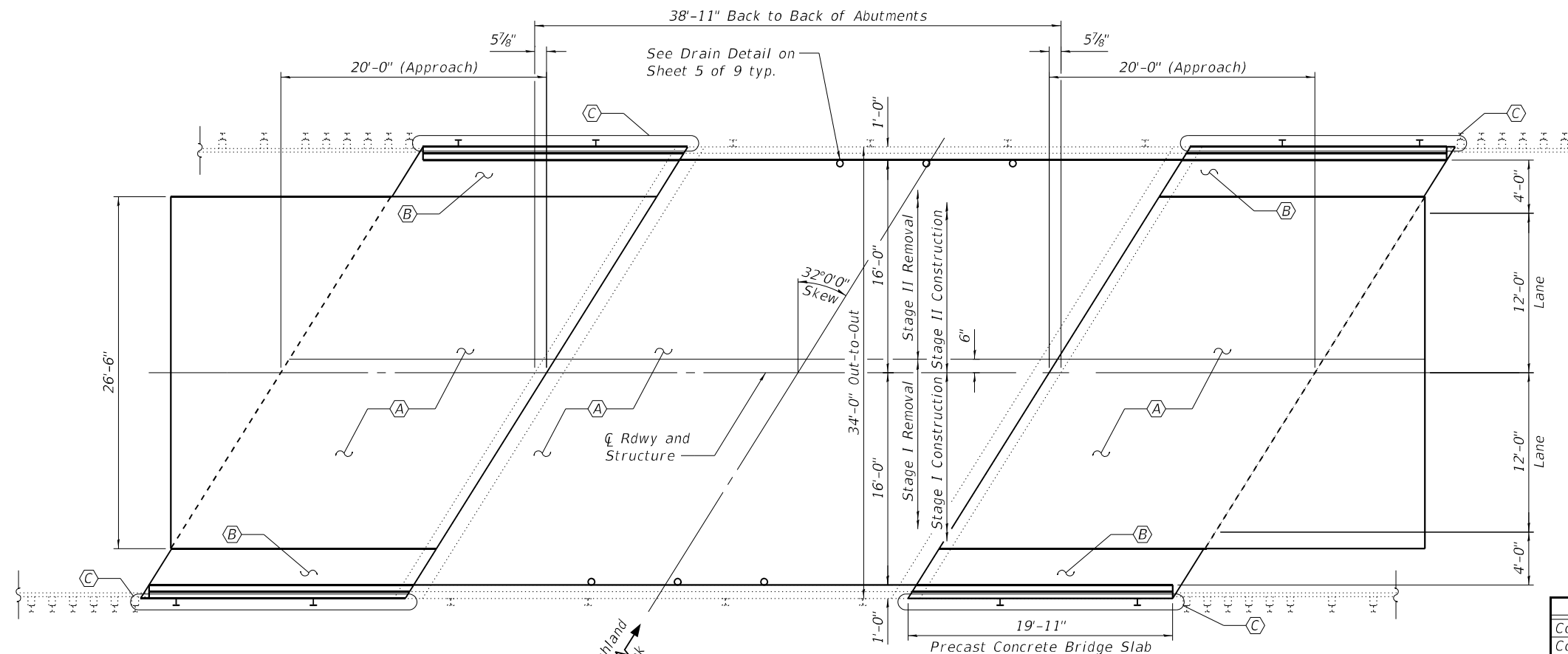
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	12.2		12.2
Concrete Superstructure	Cu. Yd.	2.2		2.2
Bridge Deck Grooving	Sq. Yd.	306		306
* Protective Coat	Sq. Yd.	340		340
Precast Concrete Bridge Slab	Sq. Ft.	299		299
Reinforcement Bars, Epoxy Coated	Pound	120		120
Removing and Re-erecting Existing Railing	Foot	78		78
Bridge Deck Scarification, 3/4"	Sq. Yd.	302		302
Bridge Deck Microsilica Concrete Overlay, 2 1/4"	Sq. Yd.	326		326
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.		106	106
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5		5
Polymer Concrete	Cu. Ft.	4		4

* Protective Coat shall be applied to all new concrete superstructure and all new concrete overlays as specified in Article 503.19 of the Standard Specifications

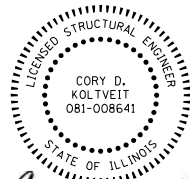


ELEVATION



PLAN

- (A) - 3/4" Bridge Deck Scarification and 2 1/4" Microsilica Concrete Overlay on Bridge Deck and Approach Slabs
- (B) - Remove and replace Approach Precast Concrete Bridge Slab and Curbs, 2 1/4" Microsilica Concrete Overlay
- (C) - Remove and Re-erect Existing Railing



Cory D. Koltveit
 EXPIRES: 11/30/2024
 DATE: 01/30/2024

MODEL: Default
 FILE NAME: P:\2019\190830\IL 97 over Richland Creek\4 CADD - DWG\4.4 Struct\084-0068-72282-001 - GP&E.dgn
 1/30/2024 2:43:58 PM



USER NAME = ckoltveit
 DESIGNED - CAJ
 CHECKED - CDK
 DRAWN - CAJ
 CHECKED - CDK
 PLOT SCALE =
 PLOT DATE = 1/30/2024

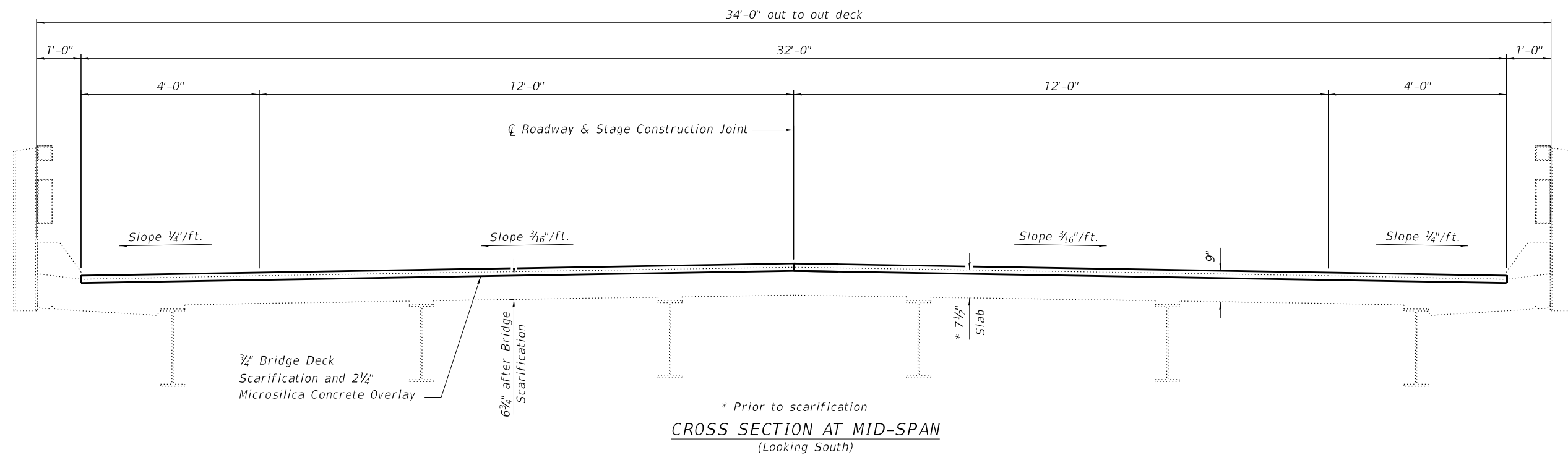
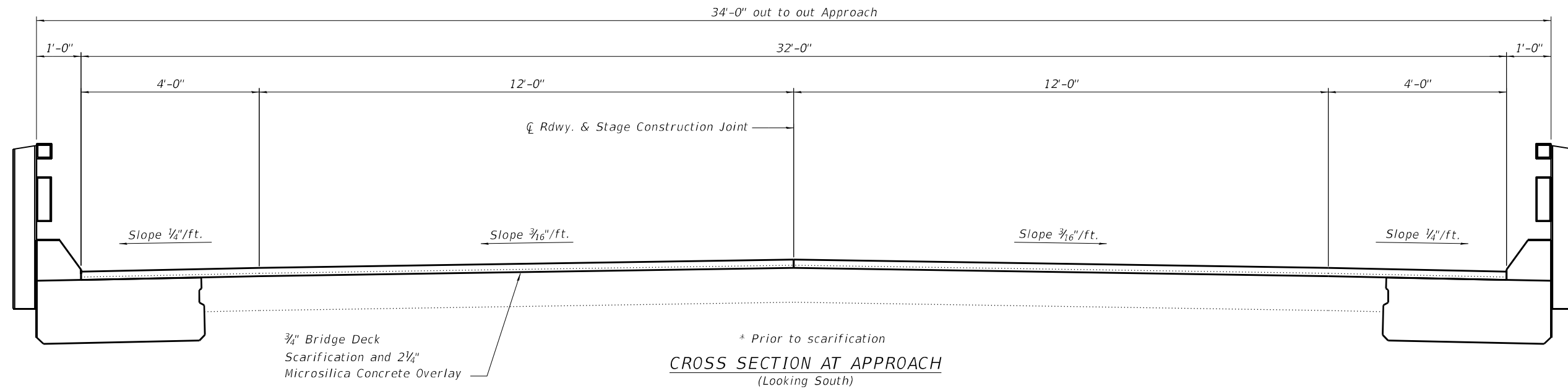
DESIGNED - CAJ
 CHECKED - CDK
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 IL 97 OVER RICHLAND CREEK
 STRUCTURE NO. 084-0068

SHEET NO. 1 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	36
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE NAME: P:\2019\190830\IL 97 over Richland Creek\4 CADD - DWG\4.4 Struc\0840068-72282-002- Proposed Cross Sections.dgn
 1/30/2024 1:12:47 PM

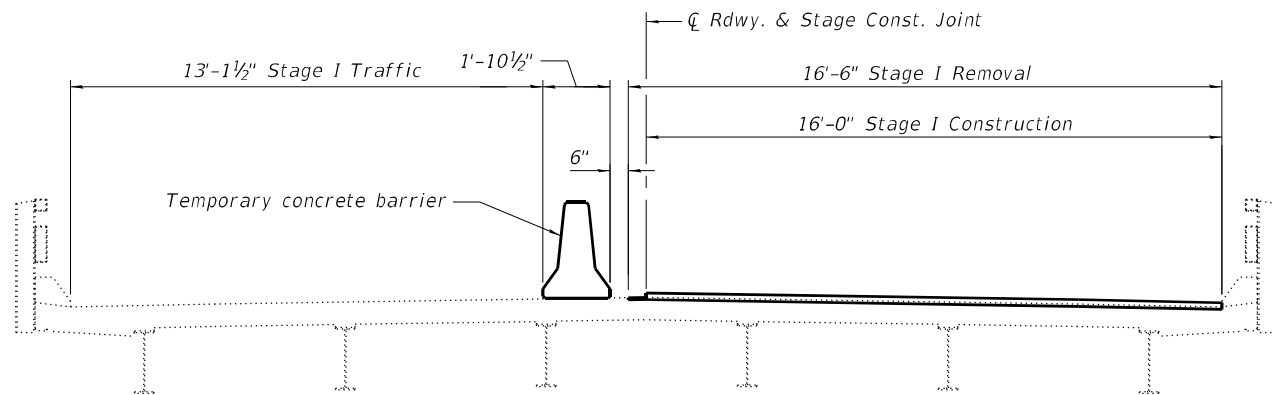

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	ckotveit	DESIGNED -	CAJ	REVISED -	
CHECKED -	CDK	CHECKED -	CDK	REVISED -	
PLOT SCALE =		DRAWN -	CAJ	REVISED -	
PLOT DATE =	1/30/2024	CHECKED -	CDK	REVISED -	

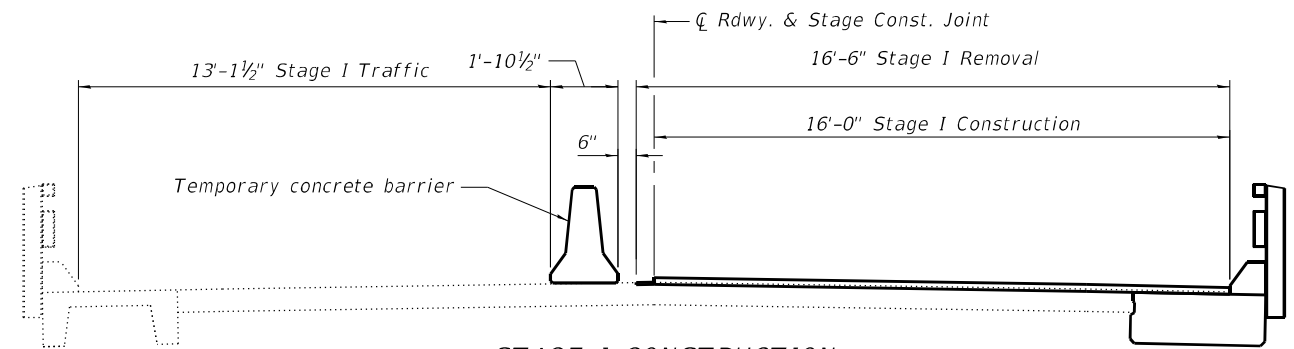
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CROSS SECTIONS
STRUCTURE NO. 084-0068
 SHEET NO. 2 OF 9 SHEETS

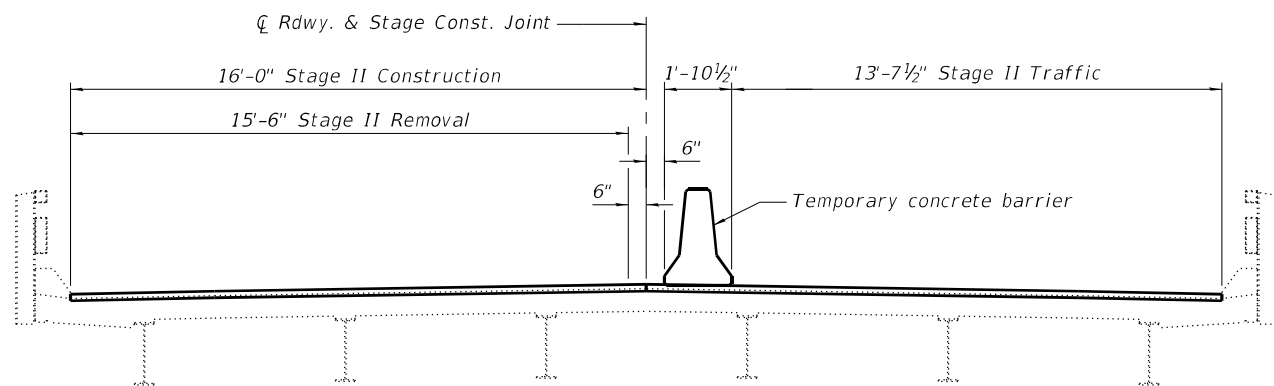
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	37
CONTRACT NO. 72282				
		ILLINOIS	FED. AID PROJECT	



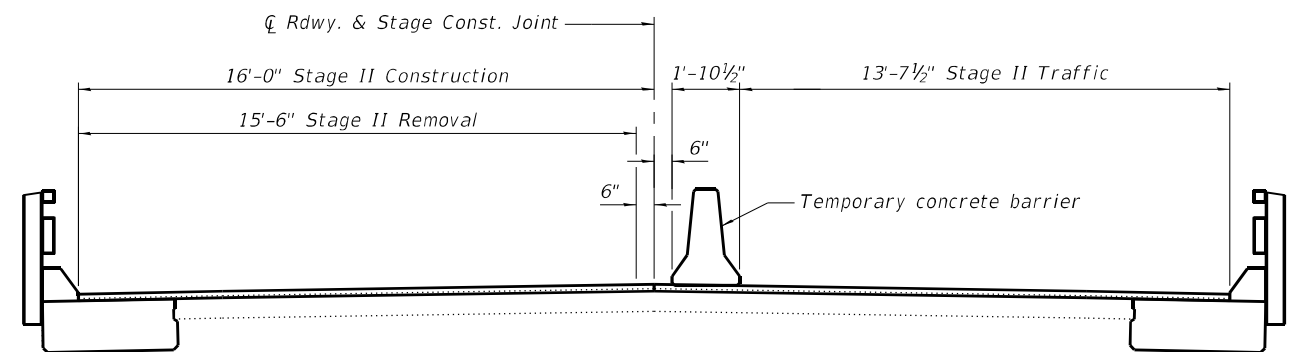
STAGE I CONSTRUCTION
(Looking South - Shown at Mid-Span)



STAGE I CONSTRUCTION
(Looking South - Shown at Approach Slab)



STAGE II CONSTRUCTION
(Looking South - Shown at Mid-Span)



STAGE II CONSTRUCTION
(Looking South - Shown at Approach Slab)

MODEL: Default
FILE NAME: P:\2019\190830\IL 97 over Richland Creek\4 CADD - DWG\4.4 Struc\0840068-72282-003- Stage Construction.dgn
1/30/2024 1:13:12 PM



TWM, INC.
www.twm-inc.com
IL DESIGN FIRM
LICENSE NO:
184-001220

USER NAME = cktovell
DESIGNED - CAJ
CHECKED - CDK
DRAWN - CAJ
CHECKED - CDK

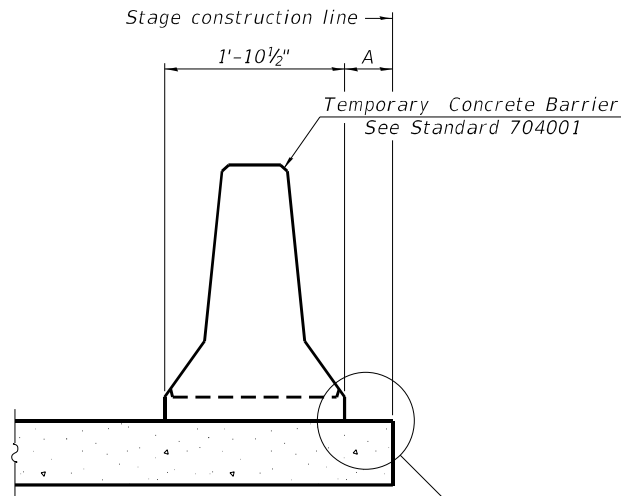
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 084-0068

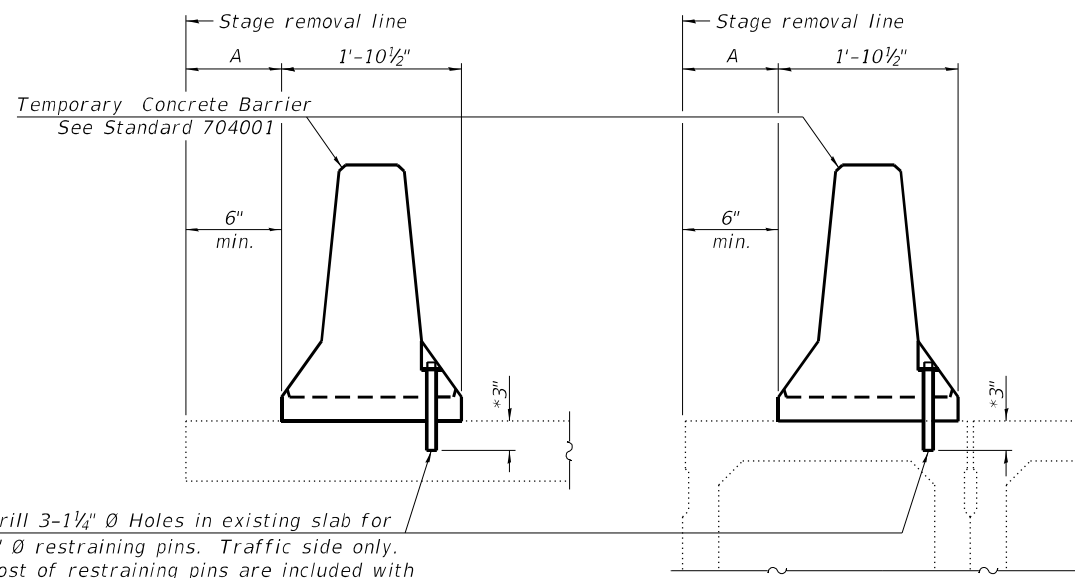
SHEET NO. 3 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	38
CONTRACT NO. 72282				
		ILLINOIS	FED. AID PROJECT	



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

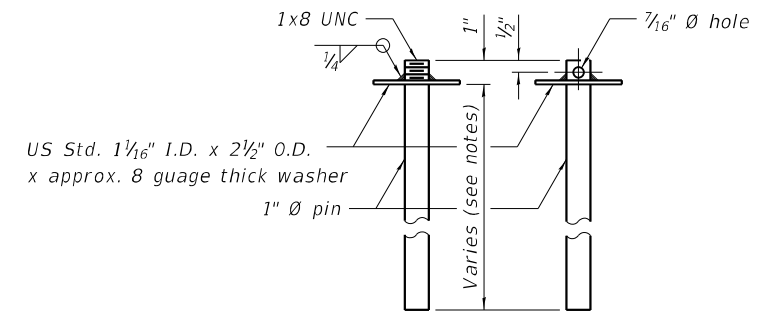
NEW SLAB OR NEW DECK BEAM



Drill 3-1 1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

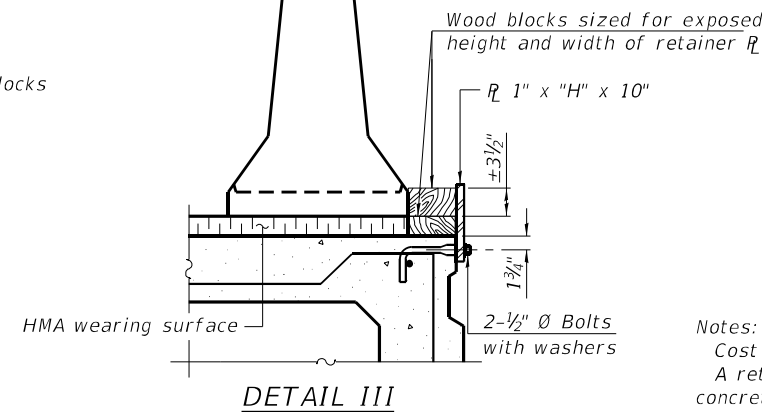
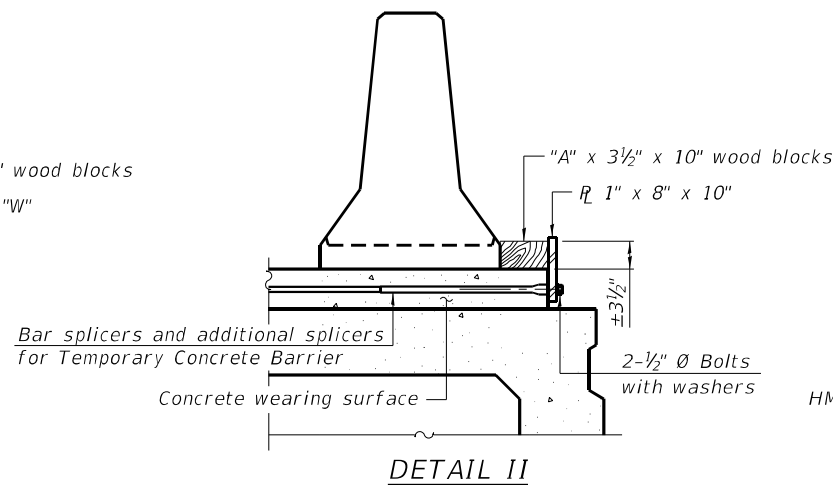
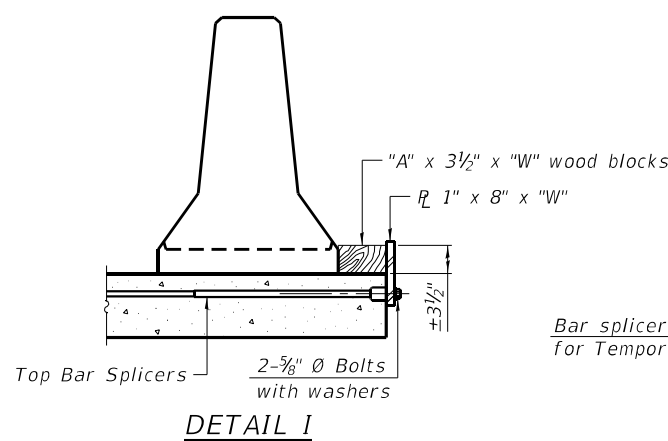
EXISTING DECK BEAM



RESTRAINING PIN

* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

SECTIONS THRU SLAB OR DECK BEAM



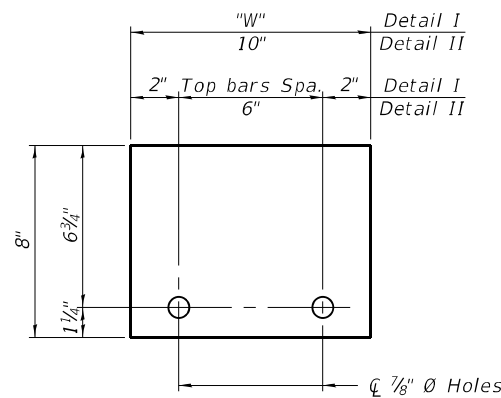
BAR SPLICER FOR #4 BAR - DETAIL III

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate \bar{C} of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

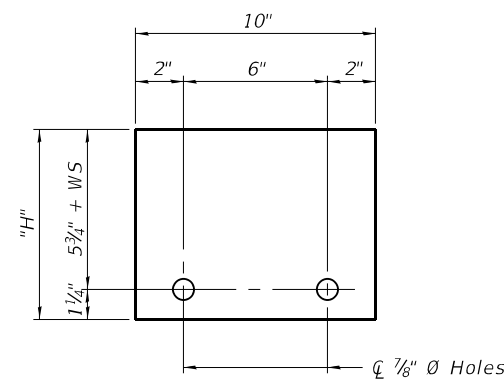
Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440



STEEL RETAINER 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER 1" x "H" x 10"
(Detail III)

MODEL: Default
 FILE NAME: P:\2019\190830\11.97 over Richland Creek\4. CADD - DWG\4.4. Struc\0840068-72282-004- Temporary Concrete Barrier.dgn
 1/30/2024 1:13:34 PM



TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	ckotveit	DESIGNED -	CAJ	REVISED -	
CHECKED -	CDK	CHECKED -	CDK	REVISED -	
PLOT SCALE =		DRAWN -	CAJ	REVISED -	
PLOT DATE =	1/30/2024	CHECKED -	CDK	REVISED -	

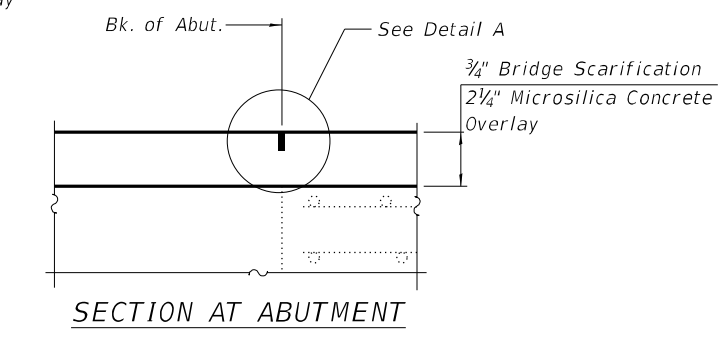
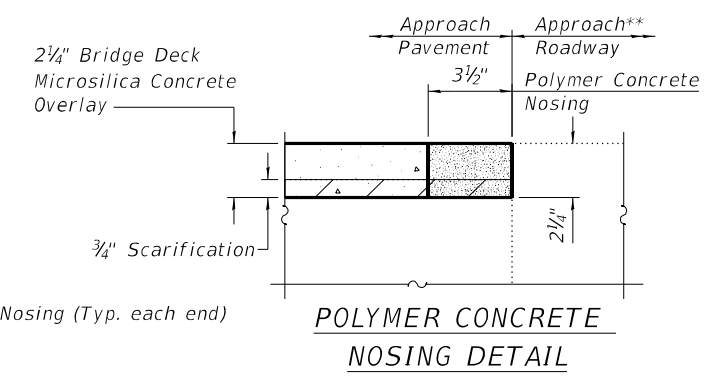
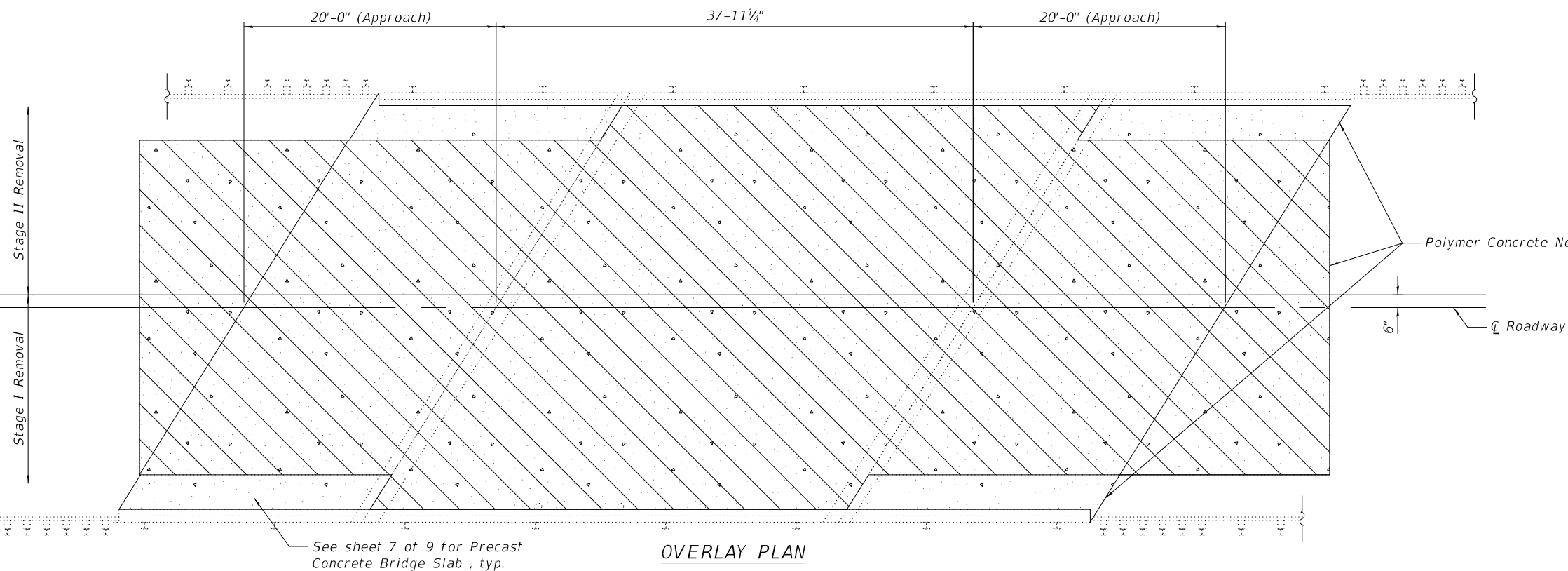
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 084-0068

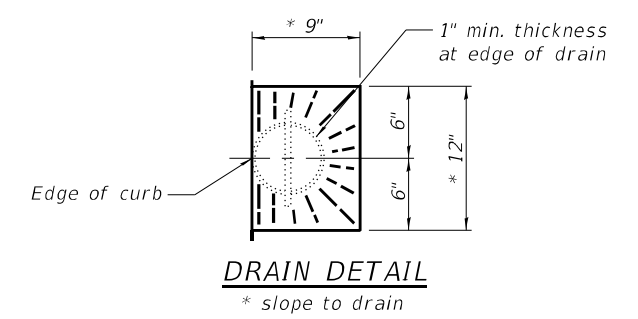
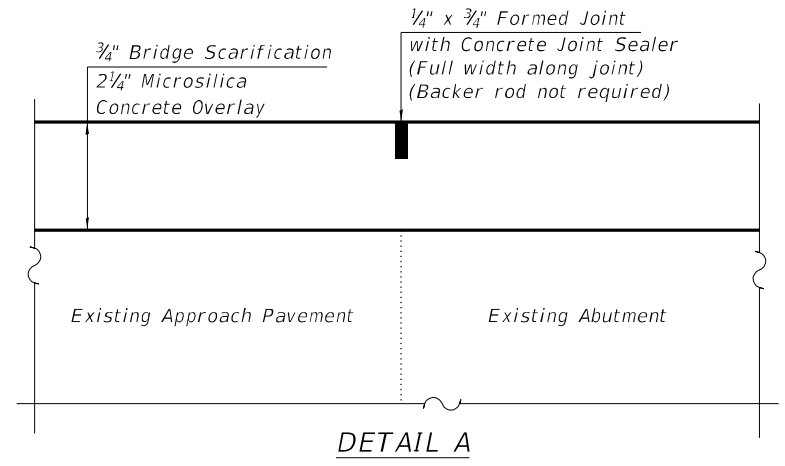
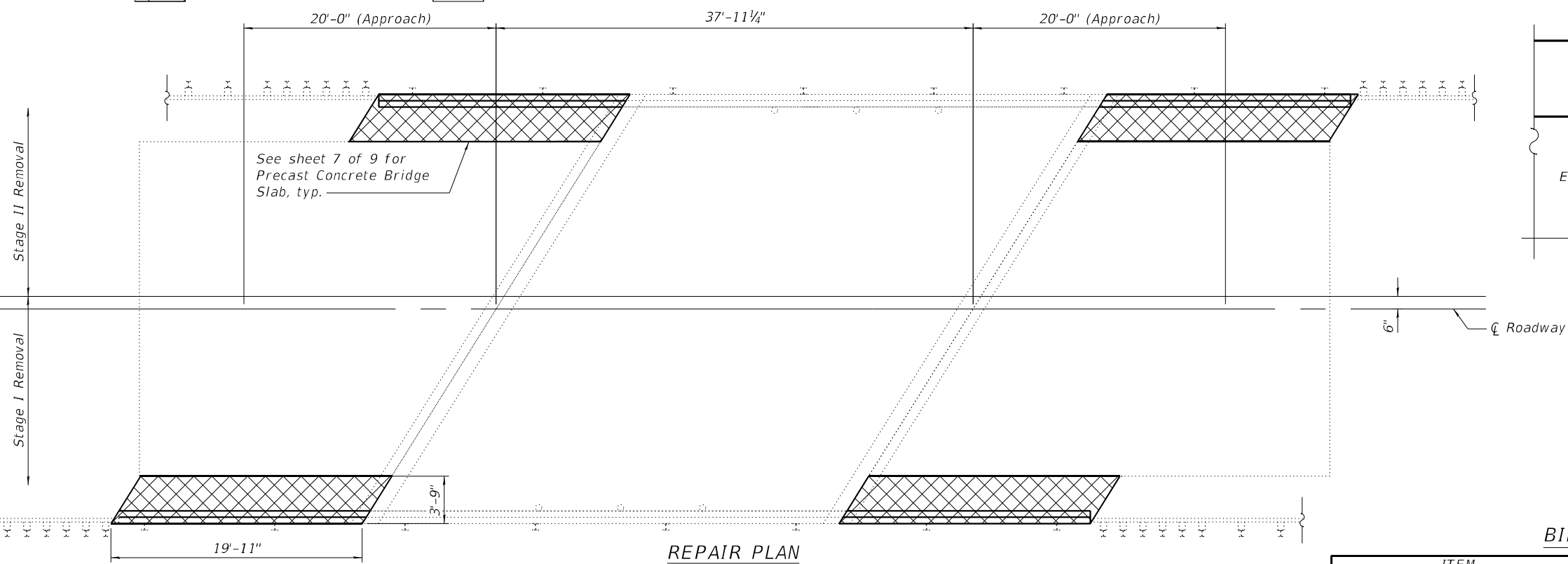
SHEET NO. 4 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	39
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

**See Roadway Plans for HMA taper



 Bridge Deck Scarification, 3/4"
 Proposed 2 1/4" Microsilica Overlay



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bridge Deck Microsilica Concrete Overlay, 2 1/4"	Sq. Yd.	326
Bridge Deck Scarification, 3/4"	Sq. Yd.	302
* Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5
Polymer Concrete	Cu. Ft.	4

* Quantity is estimated, size of patches and location to be determined by Engineer in the field

MODEL: Default
 FILE NAME: P:\2019\190830\11 97 over Richland Creek\4 CADD - DWG\14.4 Struc\0840068-72282-005- Deck Slab Repairs.dgn
 1/30/2024 1:16:27 PM



USER NAME = cktovell	DESIGNED - CAJ	REVISED -
PLOT SCALE =	CHECKED - CDK	REVISED -
PLOT DATE = 1/30/2024	DRAWN - CAJ	REVISED -
	CHECKED - CDK	REVISED -

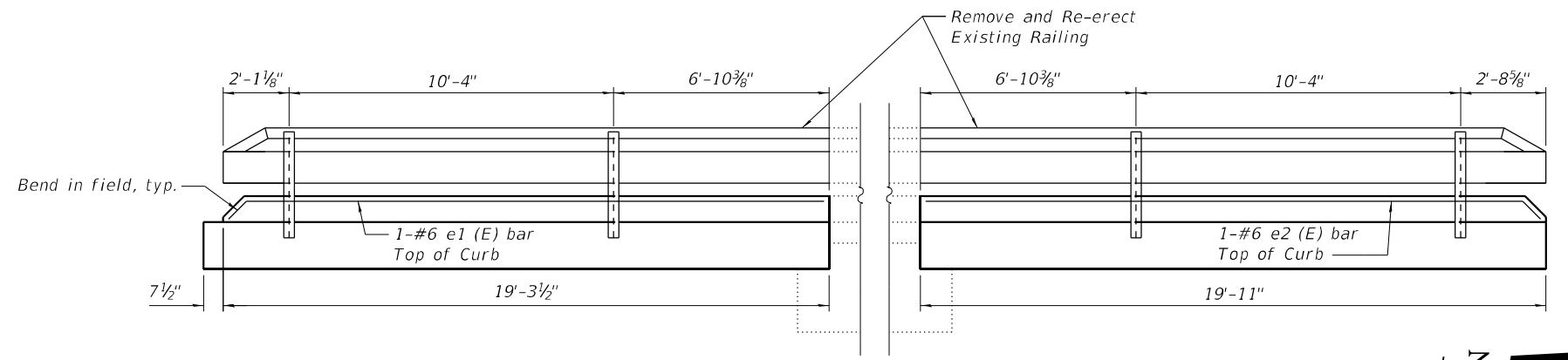
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERLAY AND REPAIR PLAN
STRUCTURE NO. 084-0068

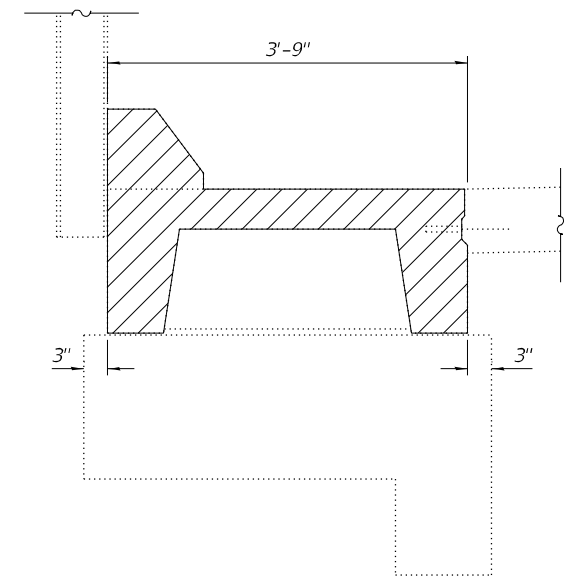
SHEET NO. 5 OF 9 SHEETS

F.A.P. RTE. 34	SECTION 34RS-4;(34BR)BDR,BRR	COUNTY SANGAMON	TOTAL SHEETS 58	SHEET NO. 40
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

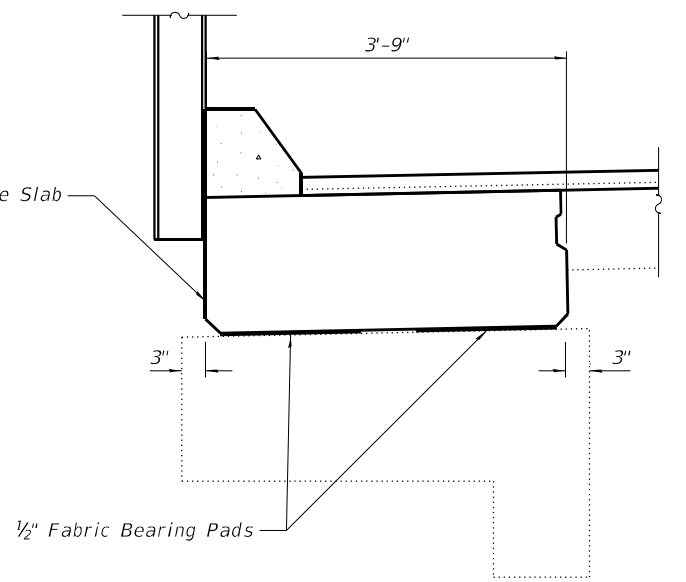
MODEL: Default
 FILE NAME: P:\2019\190830\11 37 over Richland Creek\4 CADD - DWG\4.4 Struc\0840068-72282-006- Precast Bridge Slab Removal and Replacement.dgn
 1/30/2024 1:22:39 PM



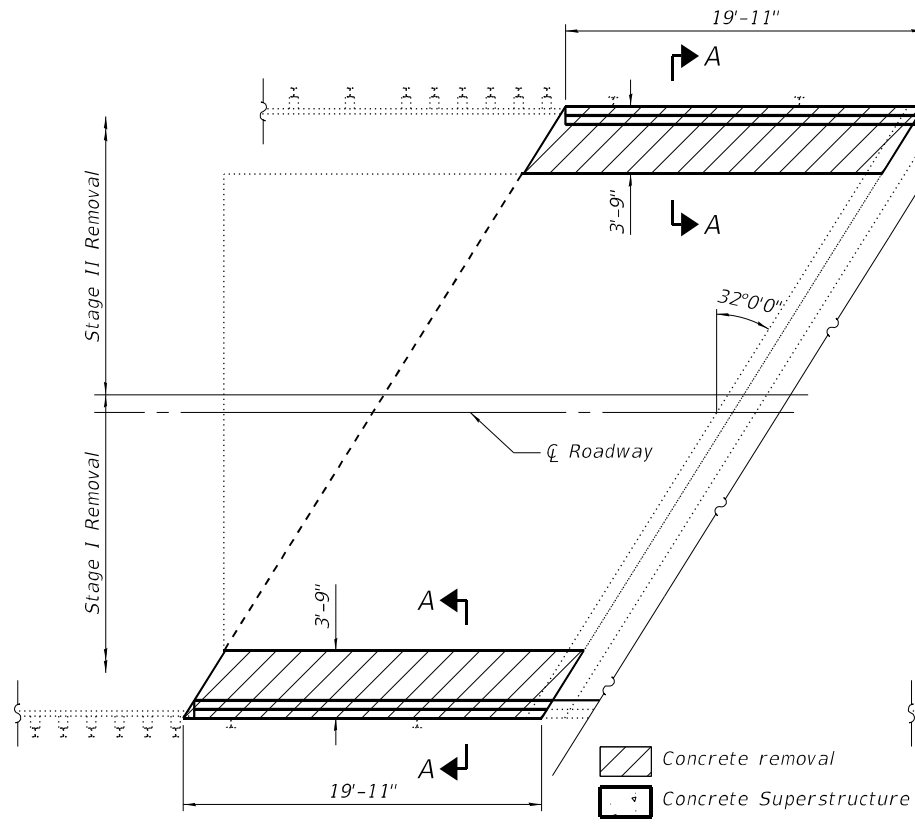
CURB AND RAIL ELEVATION



SECTION A-A

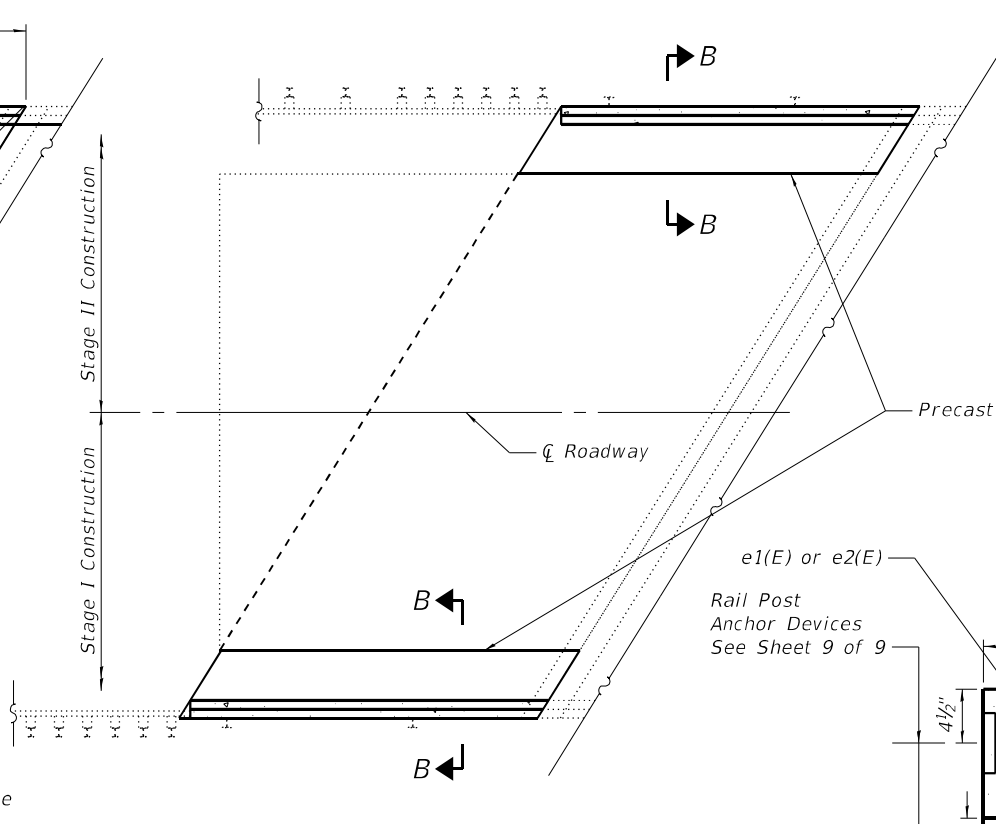


SECTION B-B



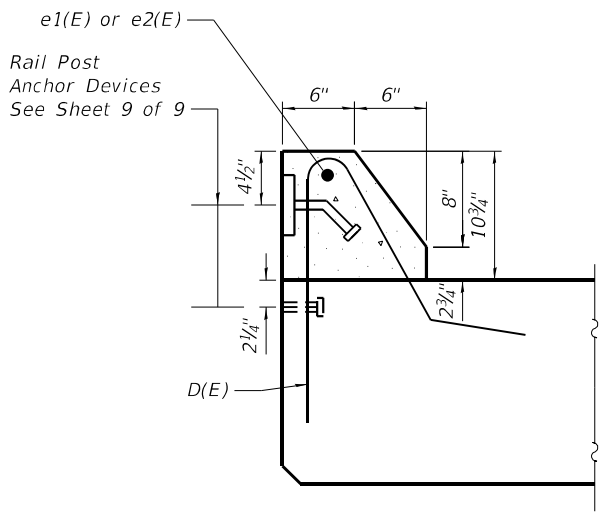
CONCRETE REMOVAL PLAN

(North Appr. shown, South Appr. similar by 180° rotation)



CONCRETE REPLACEMENT PLAN

(North Appr. shown, South Appr. similar by 180° rotation)



SECTION THRU CURB

Rail anchorage damaged during concrete removal shall be repaired or replaced with a similar system. See Sheet 9 of 9. Cost included with Concrete Removal

- Concrete Removal
- Concrete Superstructure

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
e1(E)	2	#6	19'-0"	—
e2(E)	2	#6	19'-6"	—
Concrete Removal			Cu. Yd.	12.2
Concrete Superstructure			Cu. Yd.	2.2
Precast Concrete Bridge Slab			Sq. Ft.	299
Reinforcement Bars, Epoxy Coated			Pound	120

Notes:
 The shear key between the beam and existing approach slab shall be filled with the Bridge Deck Concrete Overlay instead of grout. Preparation of the precast concrete beam shear key, existing approach slab concrete adjacent to the concrete beam, and placement of the overlay concrete in the shear key shall be according to Article 504.06(e) of the Standard Specification. The existing approach slab concrete adjacent to the precast concrete beam shall be roughened to the satisfaction of the Engineer.
 If the beam is cast in place, drill and epoxy 11 Each 3/4"Ø Expansion Bolts a minimum of 9" into existing concrete and place at 18" cts. along the length of the approach slab.



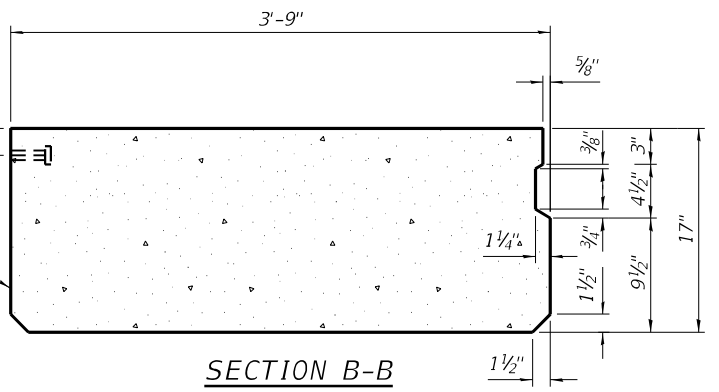
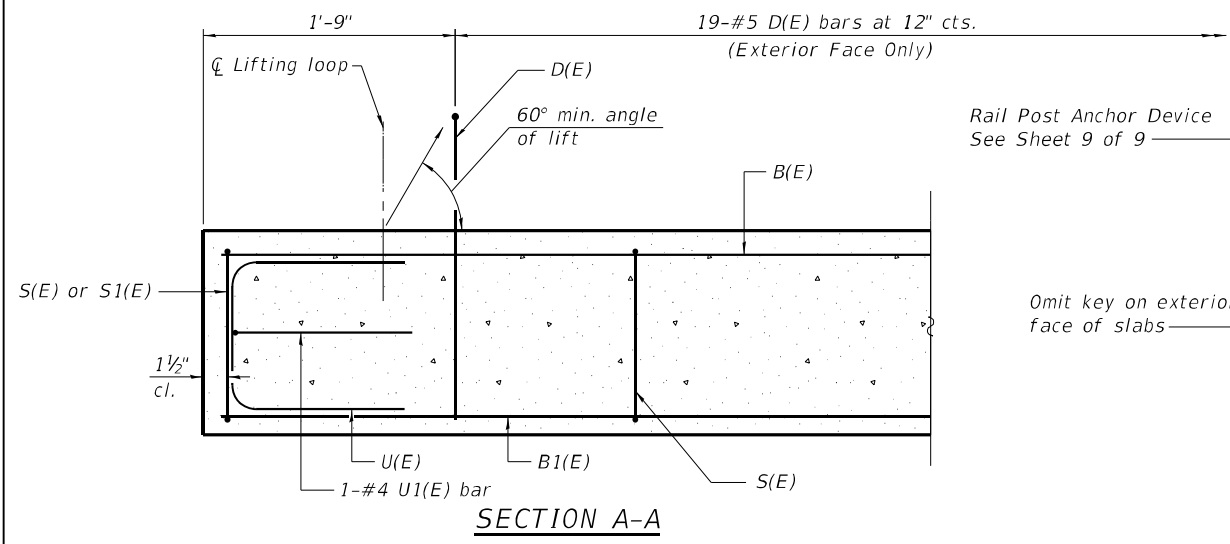
USER NAME =	ckotveit	DESIGNED -	CAJ	REVISED -	
PLOT SCALE =		CHECKED -	CDK	REVISED -	
PLOT DATE =	1/30/2024	DRAWN -	CAJ	REVISED -	
		CHECKED -	CDK	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

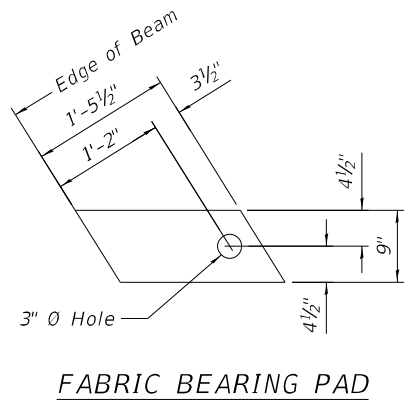
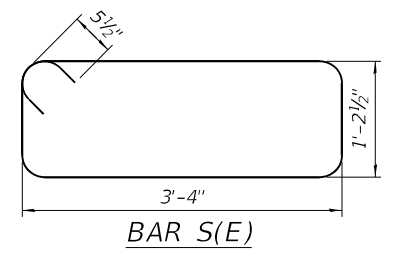
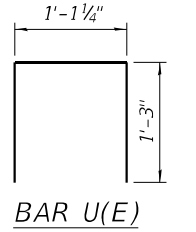
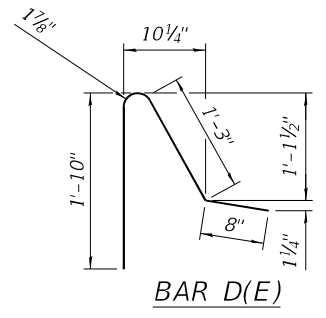
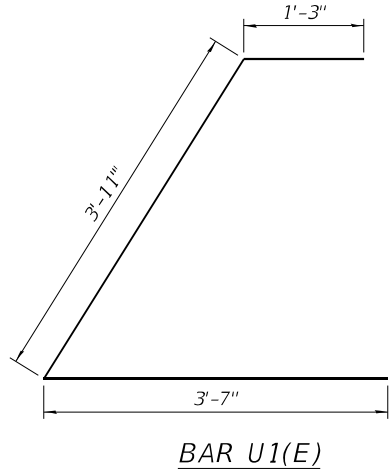
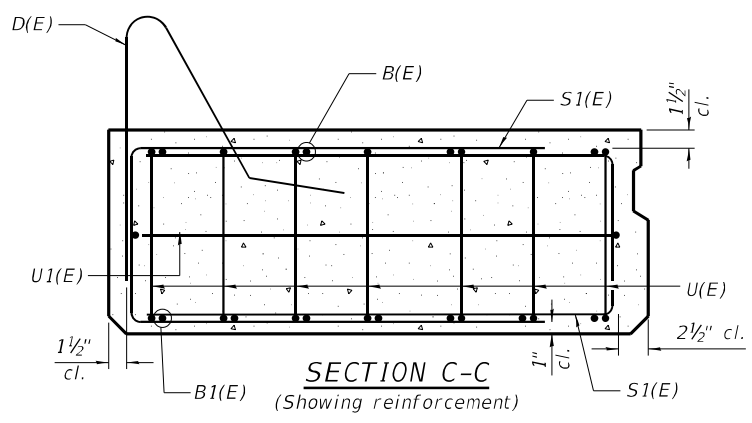
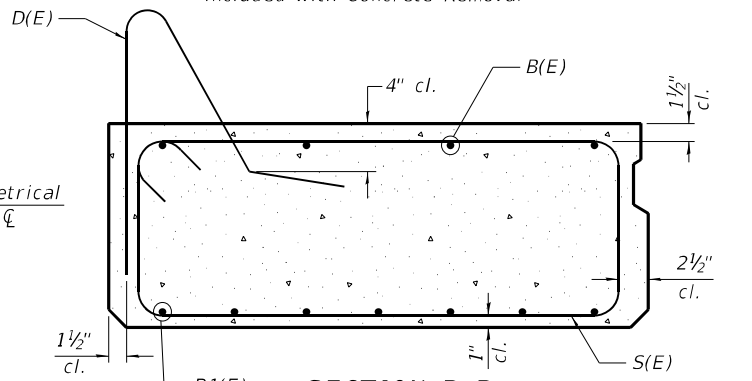
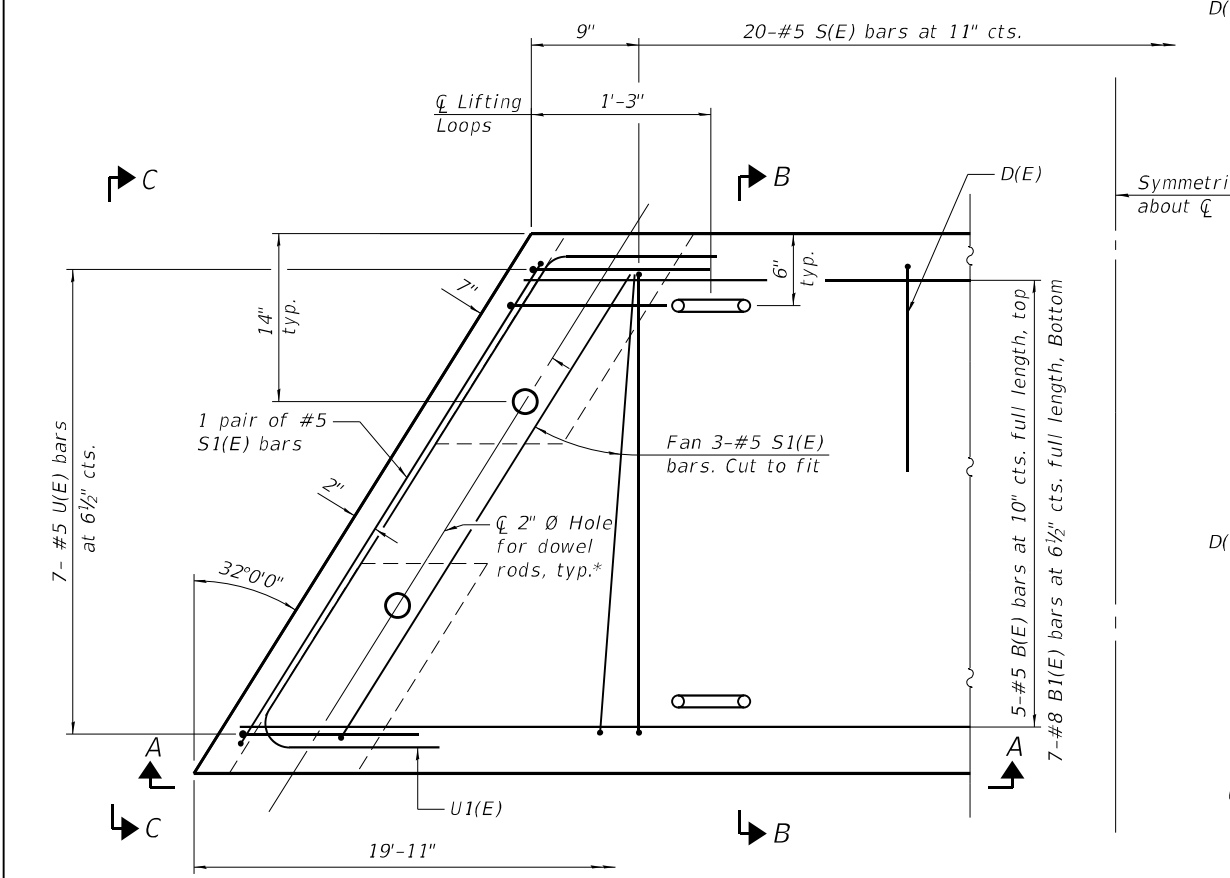
PRECAST BRIDGE SLAB REMOVAL AND REPLACEMENT
 STRUCTURE NO. 084-0068

SHEET NO. 6 OF 9 SHEETS

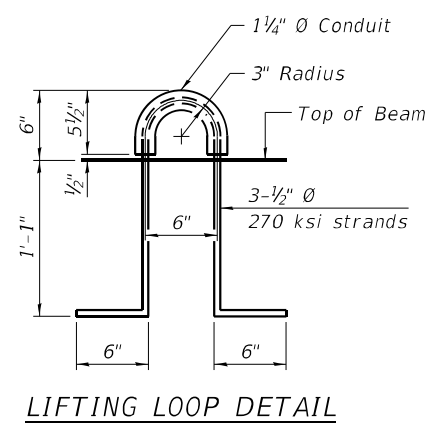
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	41
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



Notes:
 The Precast Concrete Bridge Slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast Concrete Bridge Slab.
 The top surface of the Precast Concrete Bridge Slab shall be finished similar to precast prestressed deck beams with concrete wearing surface as specified in the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products."
 A minimum 2 1/2" Ø lifting pins shall be used to engage the lifting loops during handling.
 Compressive strength of precast concrete, f'c shall be 6,000 psi.
 Compressive strength of precast concrete during initial lifting, f'ci shall be 5,000 psi.
 Two 1/8" fabric adjusting shims of the dimensions of the bearing pad shown shall be provided for each bearing pad location. Cost included with Precast Concrete Bridge Slab.
 Structural Repair of Concrete at ends of abutments shall be completed prior to setting new Precast Concrete Bridge Slabs.



* Dowel rods shall be 1" Ø x 2'-6" in 1 1/2" Ø holes drilled in abutment



Notes:
 All bearing pads shall be 1/2" thick.

BAR LIST
 ONE BEAM ONLY

Bar	No.	Size	Length	Shape
B(E)	11	#5	19'-7"	—
B1(E)	7	#8	19'-7"	—
D(E)	19	#5	3'-9"	⌒
S(E)	20	#5	10'-0"	⊔
S1(E)	10	#5	9'-1"	⊔
U(E)	14	#5	3'-8"	⊔
U1(E)	2	#4	8'-9"	⊔

MODEL: Default
 FILE NAME: P:\2019\190830\11 37 over Richland Creek\4 CADD - DWG\4.4 Struc\0840068-72282-007 - Precast Beam.dgn
 1/30/2024 1:16:55 PM



TWM, INC.
 IL DESIGN FIRM LICENSE NO: 184-001220
 USER NAME = cktovell
 PLOT SCALE =
 PLOT DATE = 1/30/2024

DESIGNED - CAJ
 CHECKED - CDK
 DRAWN - CAJ
 CHECKED - CDK
 REVISED -
 REVISED -
 REVISED -
 REVISED -

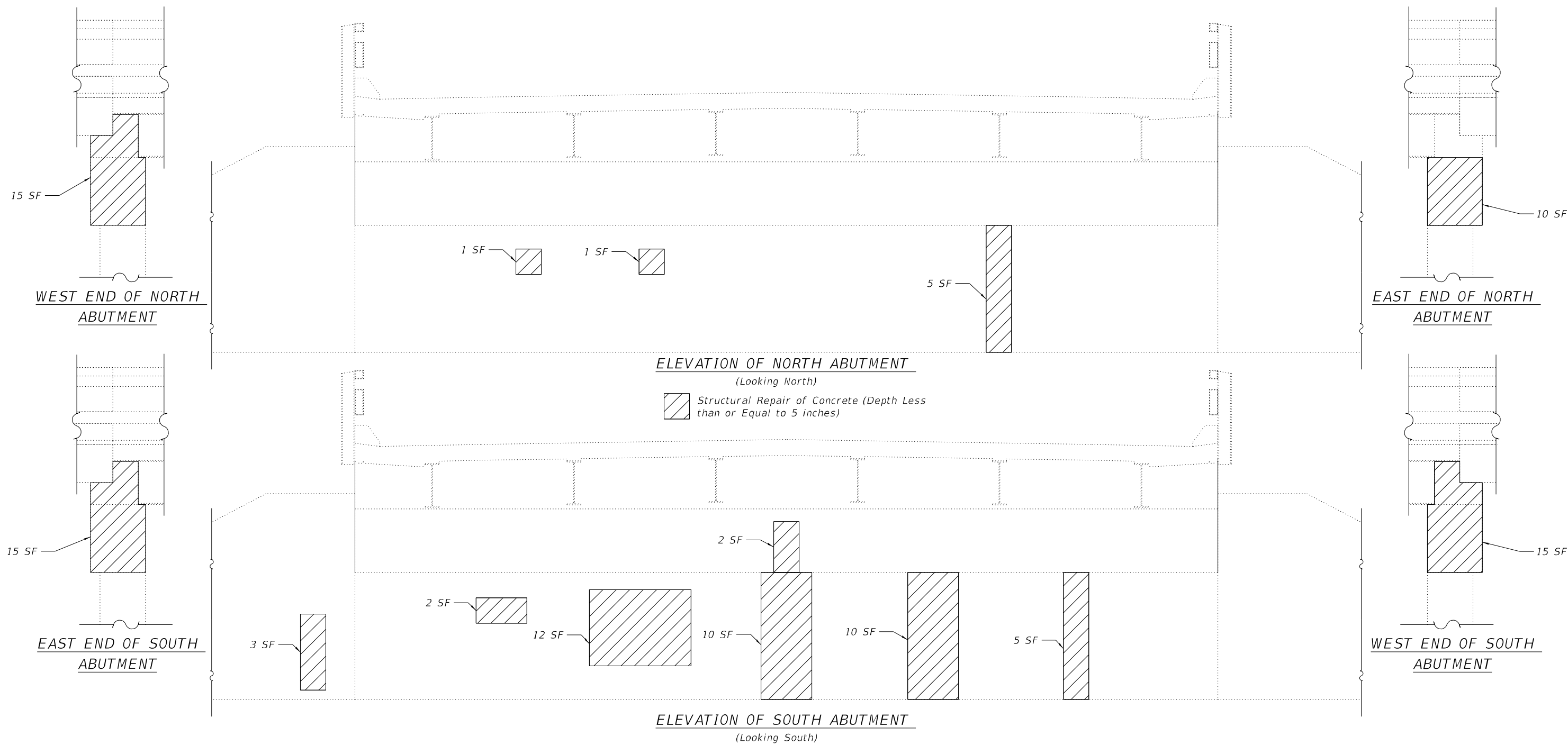
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROACH PRECAST CONCRETE BRIDGE SLAB DETAILS
 STRUCTURE NO. 084-0068

SHEET NO. 7 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4(34BR)BDR,BRR	SANGAMON	58	42
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: P:\2019\190830\IL 97 over Richland Creek\4 CADD - DWG\4.4 Struct\0840068-72282-008- Substructure Repairs.dgn
 1/30/2024 1:17:21 PM



BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	106

TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO:
 184-001220

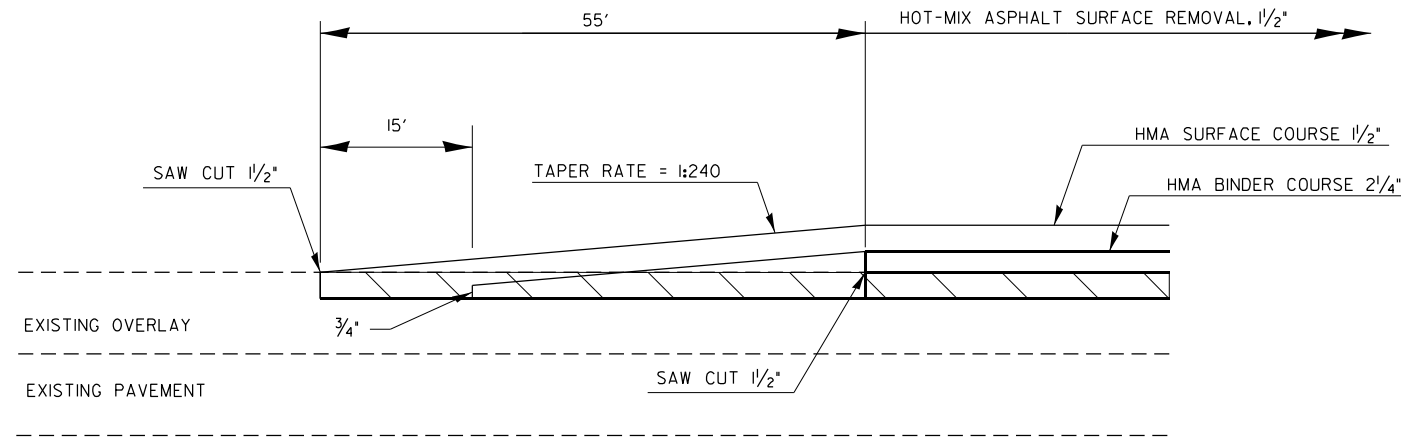
USER NAME =	ckotveit	DESIGNED -	CAJ	REVISED -	
		CHECKED -	CDK	REVISED -	
PLOT SCALE =		DRAWN -	CAJ	REVISED -	
PLOT DATE =	1/30/2024	CHECKED -	CDK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR
STRUCTURE NO. 084-0068

SHEET NO. 8 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	43
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

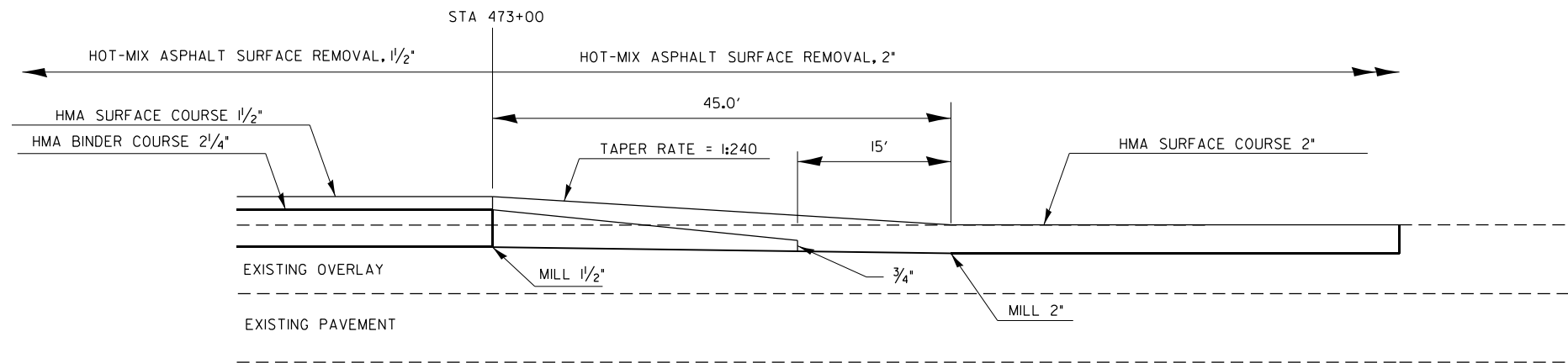


RAMP DETAIL

STA. 236+60.00 TO STA. 237+05.00

TEMPORARY RAMPS

APPLICATION	RATE	LENGTH
POST 1 1/2" HMA SURFACE REMOVAL	1:40	5'-0"
POST 2" HMA SURFACE REMOVAL	1:40	6'-8"



RAMP DETAIL

STA. 473+00.00 TO STA. 473+45.00

MODEL: Detail Sheet (Sheet)
 FILE NAME: P:\Bids\2024\11\11\DOT\Documents\DOT Office\District 6\ORD Project\B72285\CADD\B72285-Civil.dgn

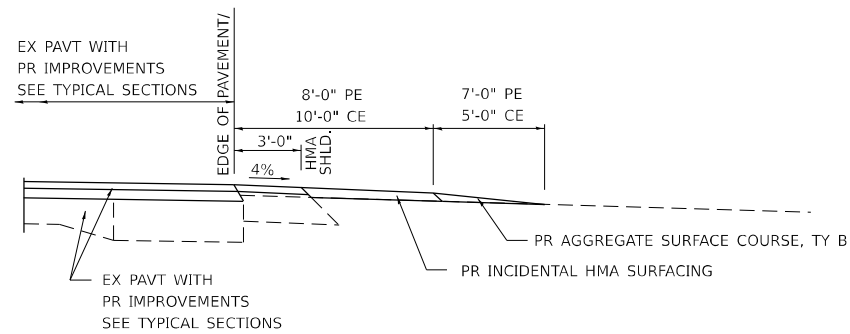
USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

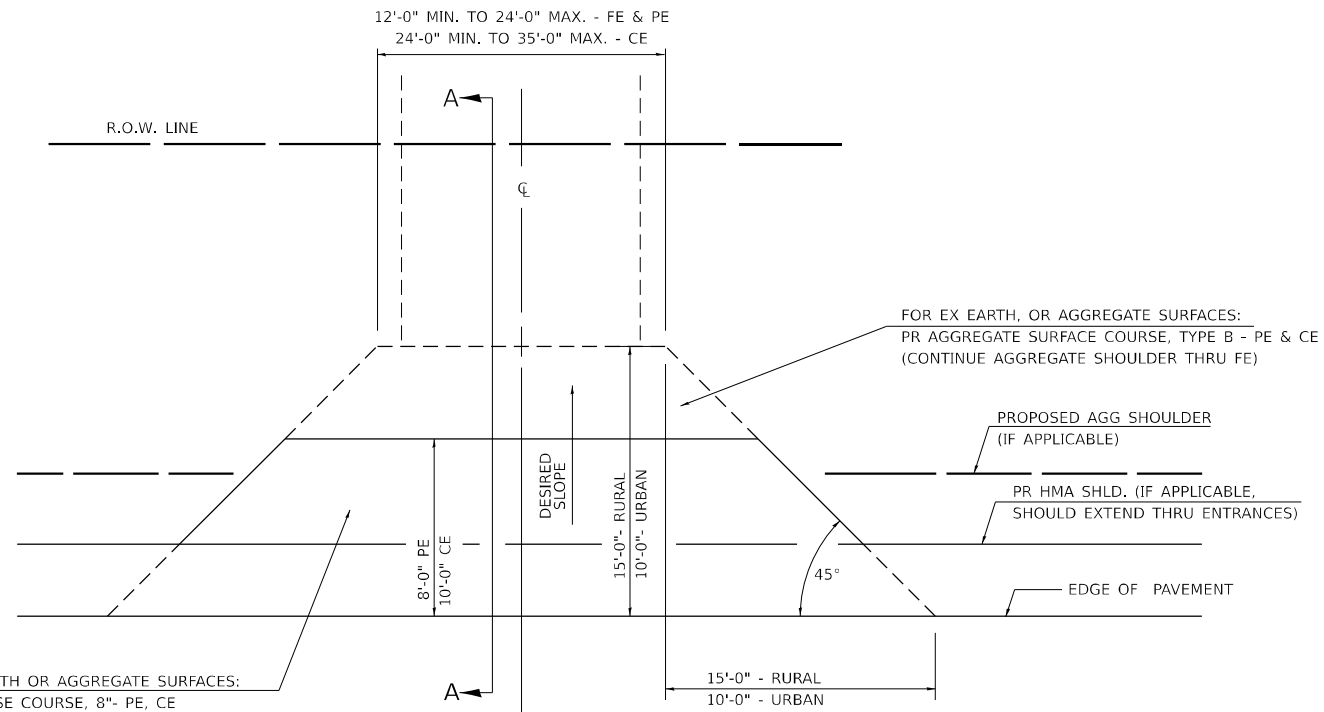
HMA RAMP DETAILS

SCALE: SHEET 1 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	45
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



SECTION A-A FOR EX EARTH/AGGREGATE PE & CE



FOR EX EARTH OR AGGREGATE SURFACES:
PR HMA BASE COURSE, 8" PE, CE

FOR EX HMA CONCRETE SURFACES:
PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
PR PCC SURFACE REMOVAL-BUTT JOINT

FOR EX EARTH, OR AGGREGATE SURFACES:
PR AGGREGATE SURFACE COURSE, TYPE B - PE & CE
(CONTINUE AGGREGATE SHOULDER THRU FE)

PROPOSED AGG SHOULDER
(IF APPLICABLE)

PR HMA SHLD. (IF APPLICABLE,
SHOULD EXTEND THRU ENTRANCES)

GENERAL NOTES:

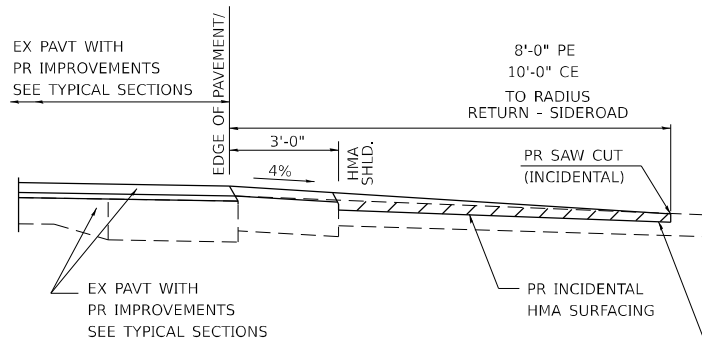
THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

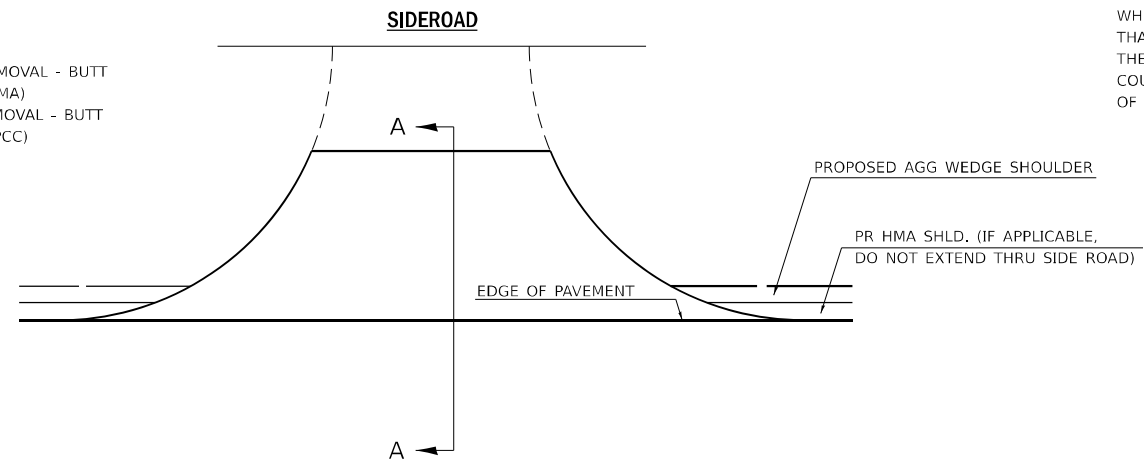
HMA REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES AND REQUIRES PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 1 1/2 INCHES SHALL MEET THE REQUIREMENTS OF HMA SURFACE COURSE.



SECTION A-A FOR EX HMA/ PC CONCRETE PE, CE & SIDE ROAD

PR HMA SURFACE REMOVAL - BUTT JOINT (IF EXISTING HMA)
PR PCC SURFACE REMOVAL - BUTT JOINT (IF EXISTING PCC)



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MODEL: D:\mail\chris\chris.dwg FILE NAME: P:\MIDOT\Documents\DOT Office\District 6\ORD Project\B72283\ADDData\CAD\Sheet\B72283-04.dwg

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2024	DATE -	REVISED -

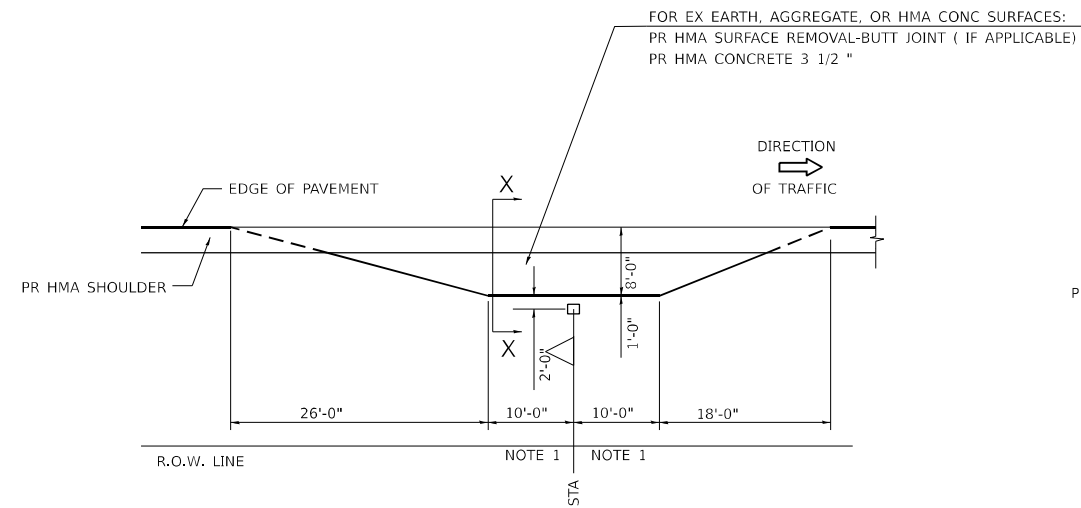
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ENTRANCE DETAILS

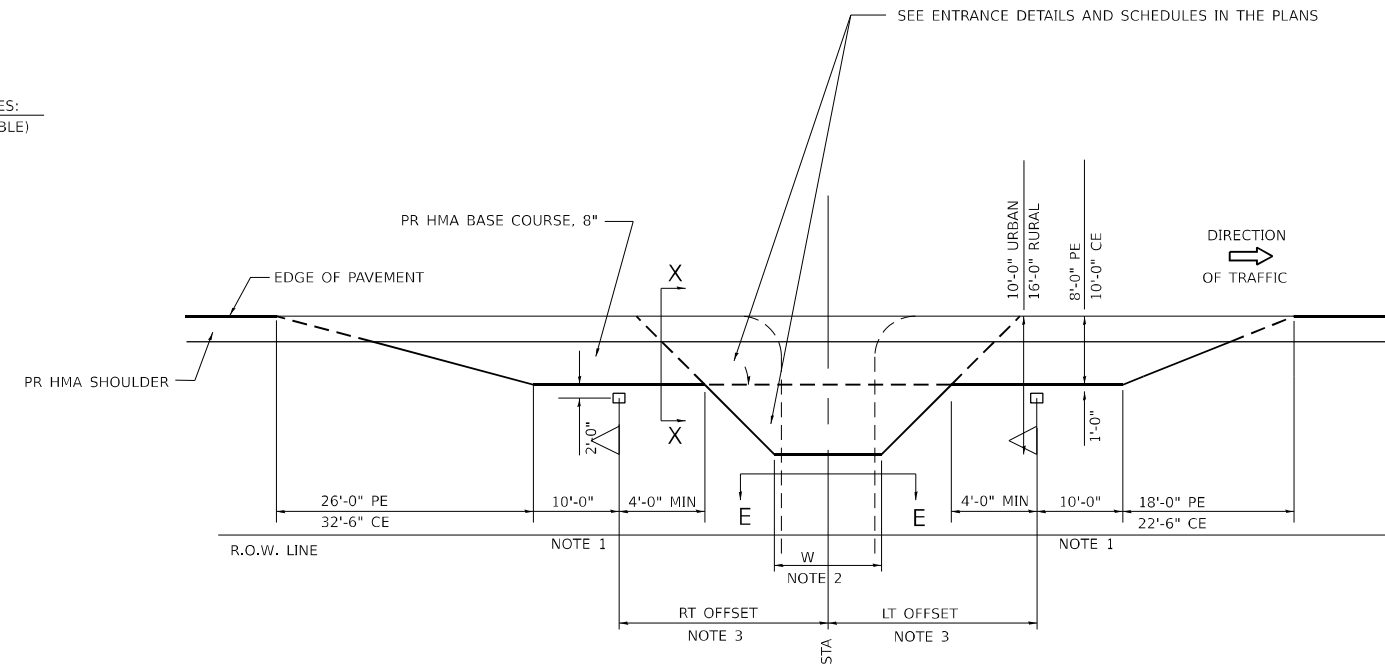
SCALE: SHEET 3 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	47
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

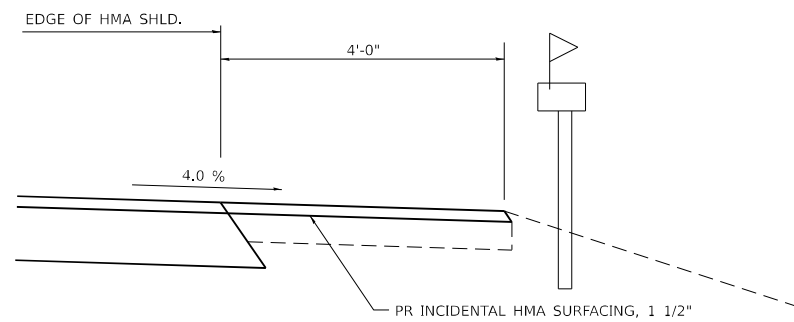
DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS



PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT

NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.

NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.

NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

MODEL: Detail Sheets (Sheet)
FILE NAME: P:\Bids\2024\11\11\DOT\Office\District 6\ORD Project\B72282\CADD\B72282-C-Details.dgn

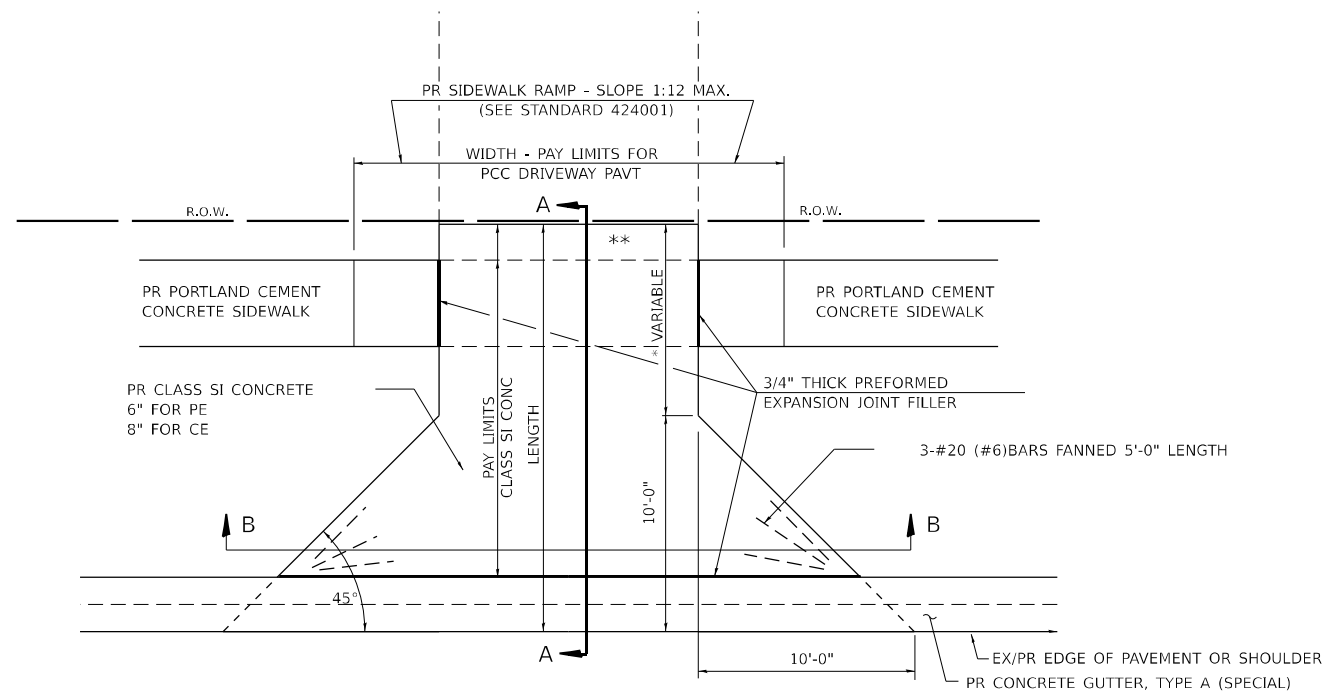
USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

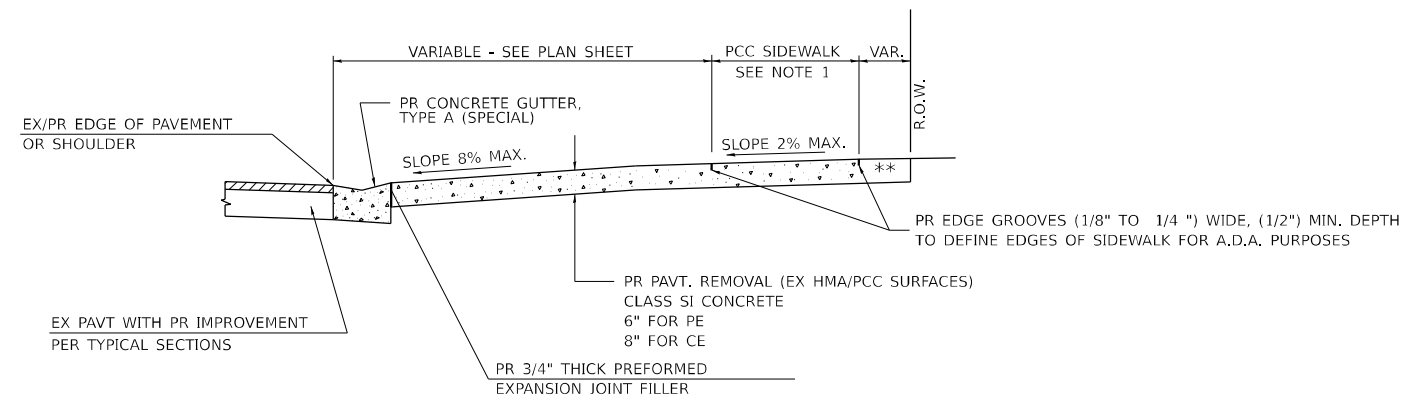
ENTRANCE DETAILS

SCALE: SHEET 4 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	48
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



PLAN - PE & CE



SECTION A-A

NOTES:

1. SEE PLAN SHEET / ENTRANCE PROFILE FOR LOCATION OF SIDEWALK.
2. THE COST OF FURNISHING AND INSTALLING THE 3/4" PREFORMED EXPANSION JOINT FILLER AND REINFORCEMENT BARS SHALL BE INCLUDED IN THE COST OF CLASS SI CONCRETE.

** MATCH IN KIND BEHIND SIDEWALK
 FOR EX EARTH OR AGGREGATE SURFACES :
 PR AGGREGATE BASE COURSE, TYPE B 6" - PE/FE
 PR CLASS SI CONCRETE 8" - CE

FOR EX HMA CONC. SURFACES :
 PR HMA CONCRETE 6" - PE
 PR HMA CONCRETE 8" - CE

FOR EX PCC SURFACES :
 PR CLASS SI CONCRETE 6" - PE
 PR CLASS SI CONCRETE 8" - CE

* NOTE : IN AREAS WITH NO SIDEWALK, MATCH IN KIND BEHIND 10' FLARE

MODEL: D:\mail\shank\ [Sheet]
 FILE NAME: P:\bbs\pcc\entry.com\P\MDOT\Documents\MDOT Office\District 6\ORD Project\B72282\CADD\B72282-Ce\details.dgn

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2024	DATE -	REVISED -

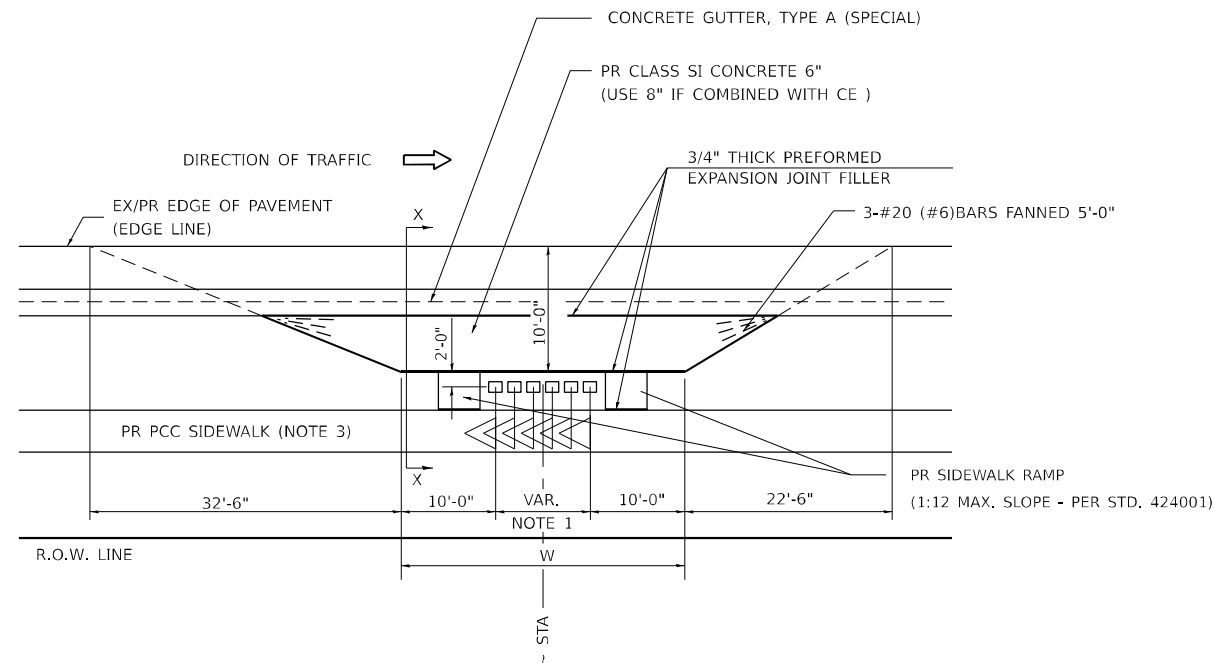
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ENTRANCE DETAILS

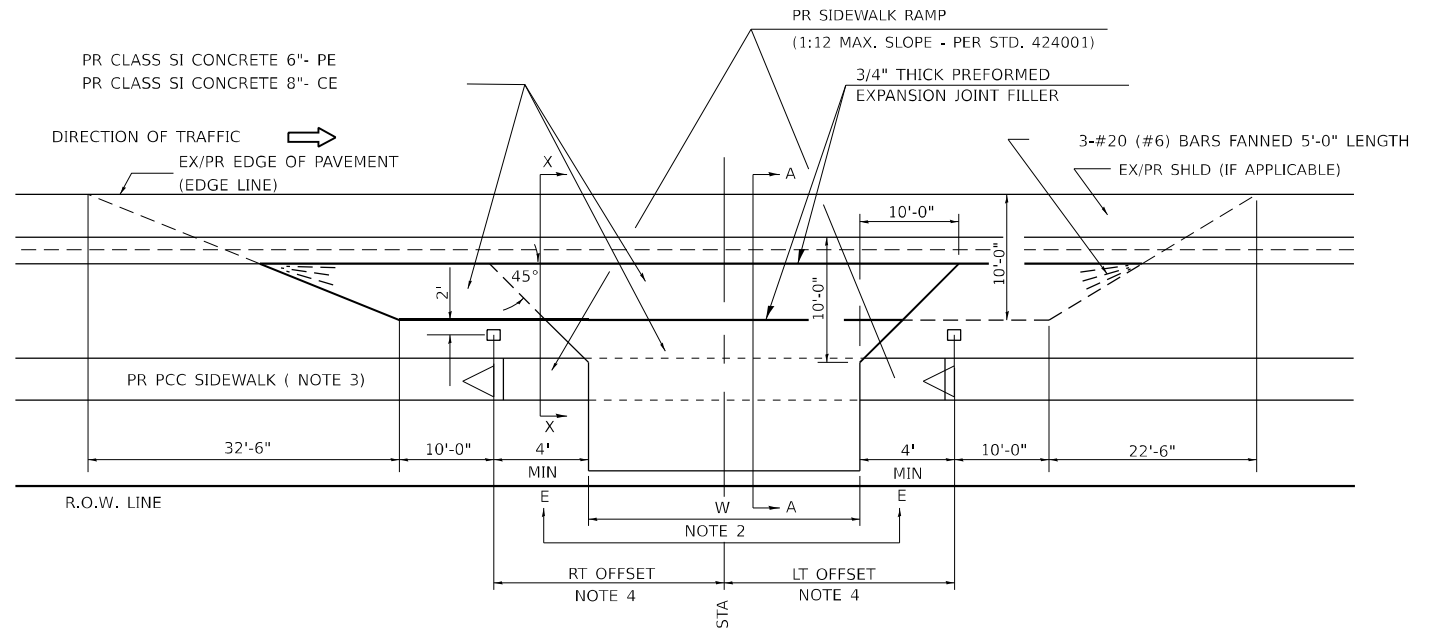
SCALE: SHEET 5 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	49
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

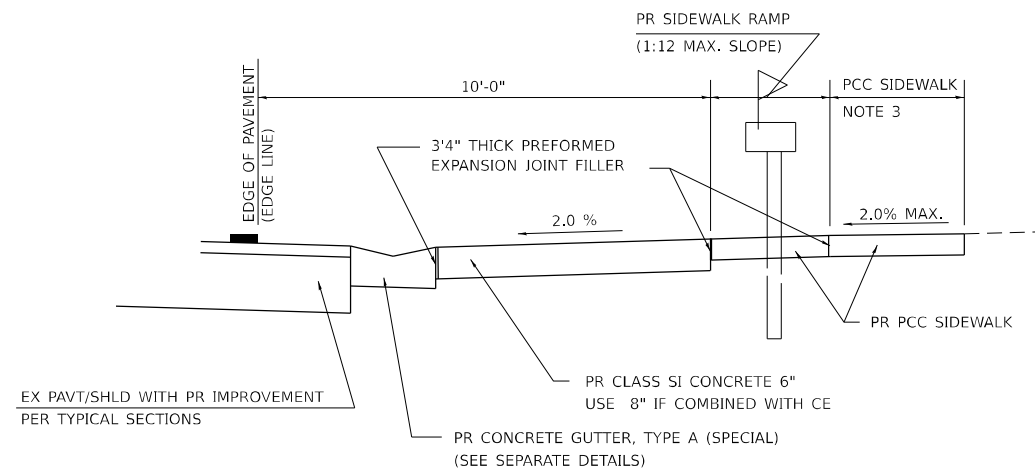
DETAILS OF MAILBOX TURNOUTS



PLAN - URBAN MULTIPLE MAILBOX TURNOUT



PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT

- NOTE 1 DIMENSION = (NUMBER OF MAILBOX - 1) TIMES 2'
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 SEE PLAN LAYOUT SHEET FOR SIDEWALK LOCATION.
- NOTE 4 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

MODEL: Detail Sheet (Sheet)
 FILE NAME: P:\Bids\2024\72282\Drawings\DOT\Office\District\CORD\Project\B72282\CADD\Drawings\DOT\72282-Civil.dgn

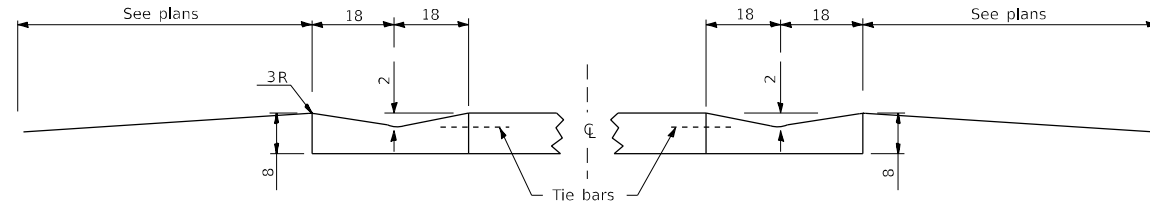
USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISION -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISOR -
PLOT DATE = 2/6/2024	DATE -	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

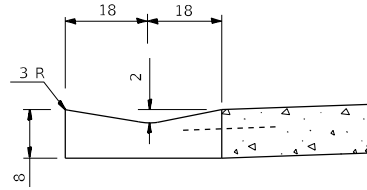
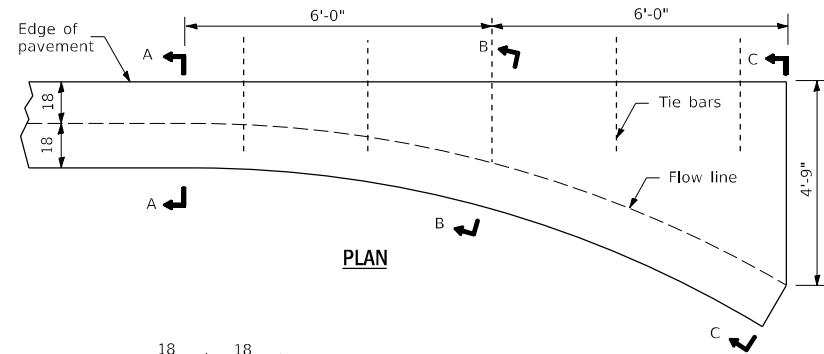
ENTRANCE DETAILS

SCALE: SHEET 6 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	50
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

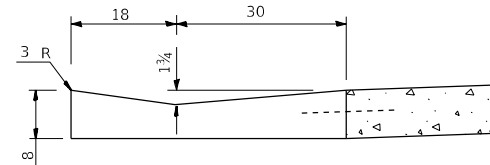


CONCRETE GUTTER, TYPE A (SPECIAL)

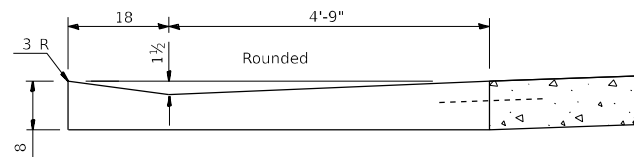


SECTION A-A

QUANTITY
Section C-C to A-A
1.18 cu. yd.
concrete.

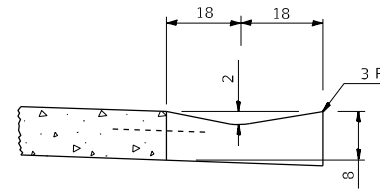
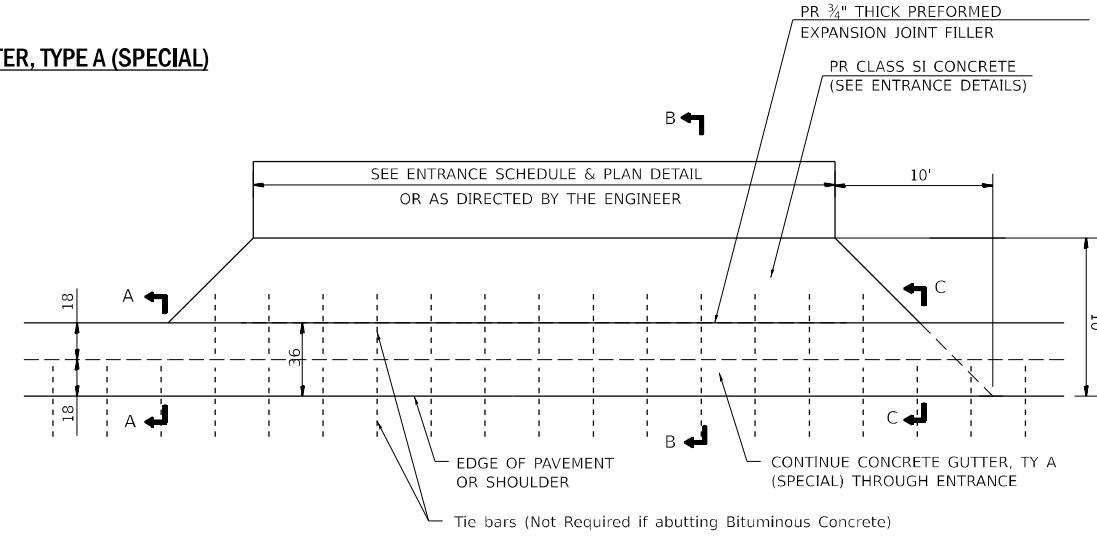


SECTION B-B

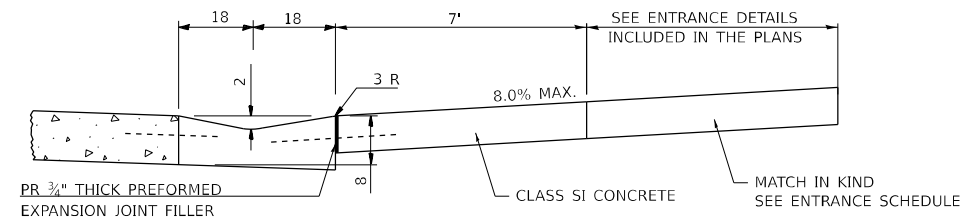


SECTION C-C

INLET



SECTION A-A & C-C



SECTION B-B

ENTRANCE

GENERAL NOTES

Tie bars shall be No. 20 (No. 6) at 24" centers unless otherwise shown.
Gutter, gutter inlet, gutter outlet and gutter entrance shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.
Two 1-1/4" x 18" dowelbars shall be installed in all joints when the gutter is constructed adjacent to exible pavement.

MODEL: Detail Sheets / Sheet
FILE NAME: P:\Bids\2024\11\11\DOT\Documents\DOT Office\District 6\ORD Project\B72285\CADD\B72285-C-Details.dgn

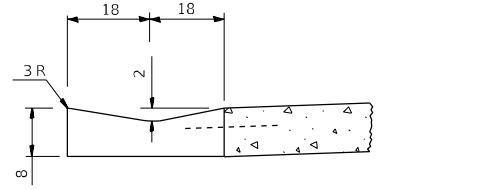
USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

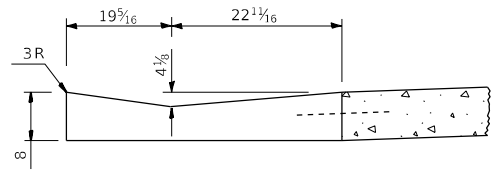
**CONCRETE GUTTER, TYPE A (SPECIAL)
(INLET, OUTLET & ENTRANCE)**

SCALE: SHEET 7 OF 14 SHEETS STA. TO STA.

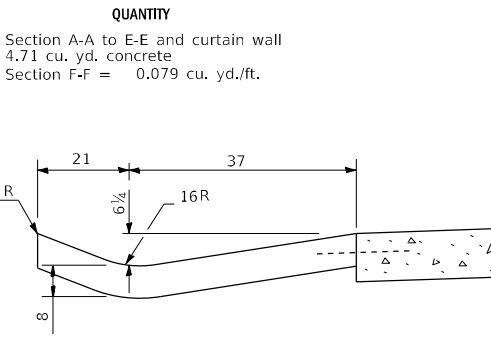
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	51
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



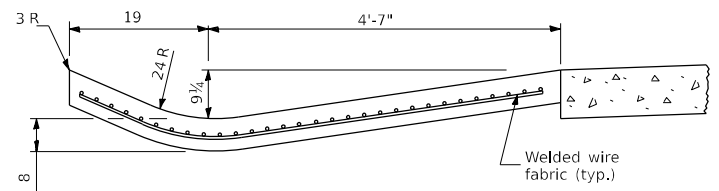
SECTION A-A



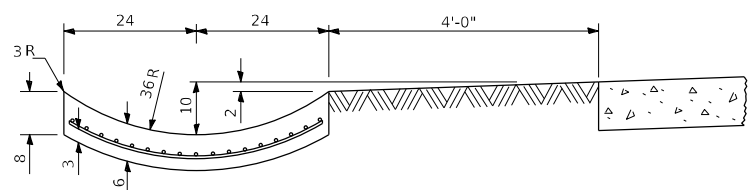
SECTION B-B



SECTION C-C

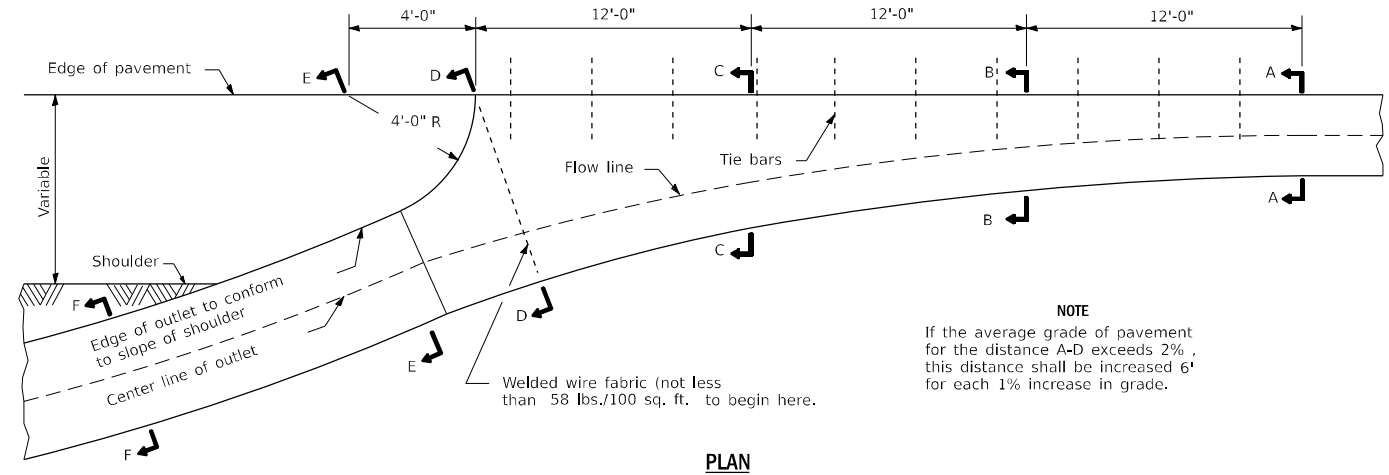


SECTION D-D



SECTION E-E

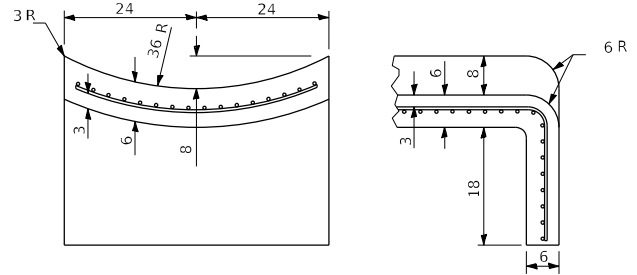
OUTLET



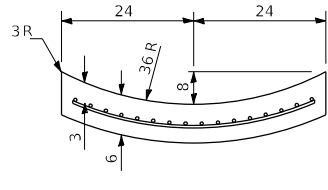
PLAN

NOTE
If the average grade of pavement for the distance A-D exceeds 2% , this distance shall be increased 6' for each 1% increase in grade.

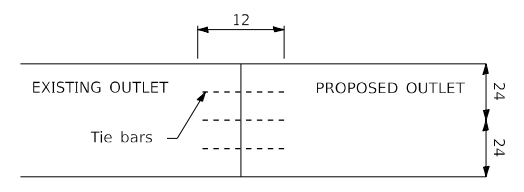
QUANTITY
Section A-A to E-E and curtain wall
4.71 cu. yd. concrete
Section F-F = 0.079 cu. yd./ft.



SECTIONS AT END OF OUTLET



SECTION F-F



CONNECTION TO EXISTING OUTLET

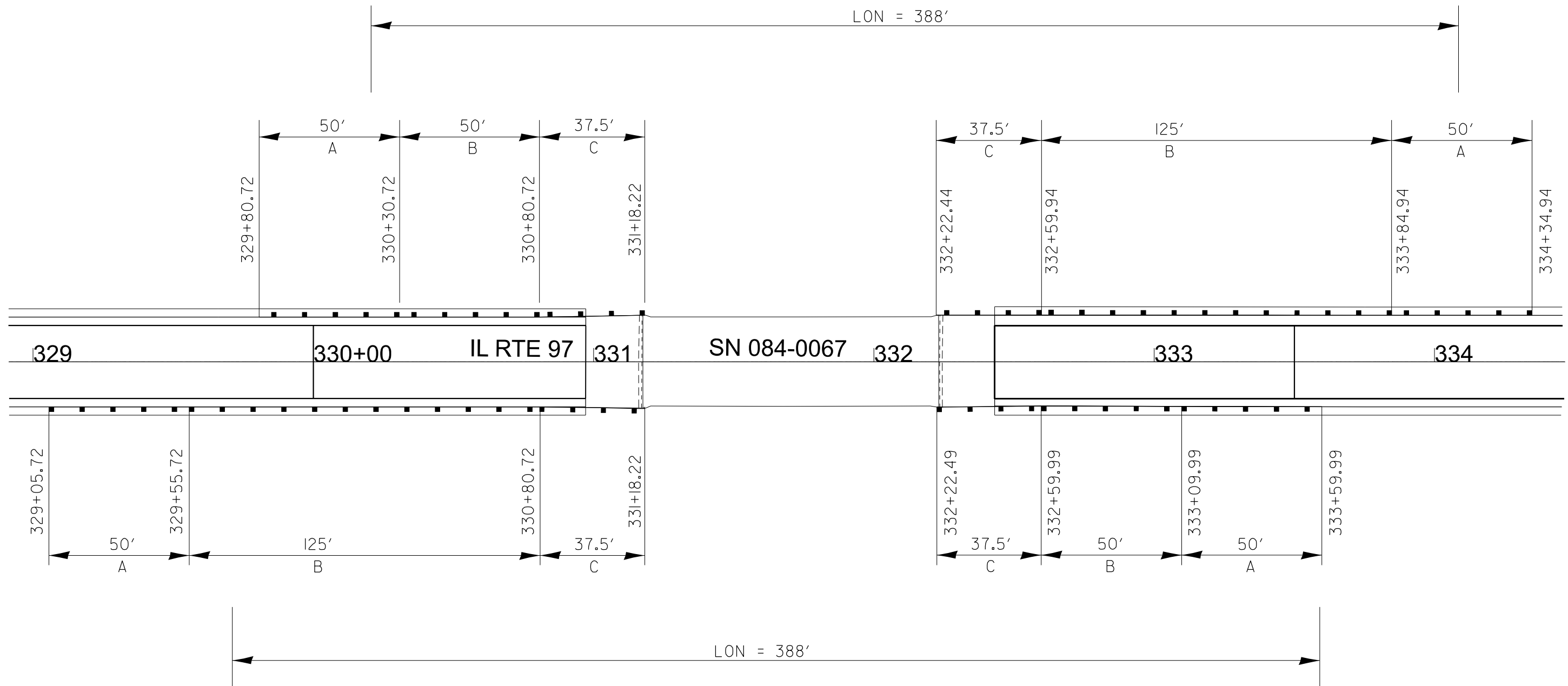
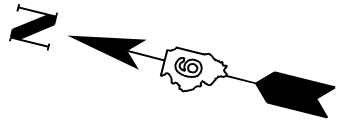
MODEL: Detail Sheet (Sheet)
FILE NAME: P:\BSP\cctm\p\m\DOT\Documents\DOT Office\District 6\ORD Project\B72282\CADD\BDR\B72282-C-Details.dgn

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE GUTTER, TYPE A (SPECIAL) (INLET, OUTLET & ENTRANCE)			
SCALE:	SHEET 8	OF 14 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	52
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



LEGEND

- A PAY LIMITS - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- B PAY LIMITS - STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- C PAY LIMITS - TRAFFIC BARRIER TERMINAL, TYPE 6

MODEL: Detail Sheet 9 (Sheet)
 FILE NAME: P:\Bids\2024\11\11\DOT\Documents\DOT Office\District 6\ORD Project\B72282\CADD\B72282-C-Details.dgn

USER NAME = Christopher.Stiefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

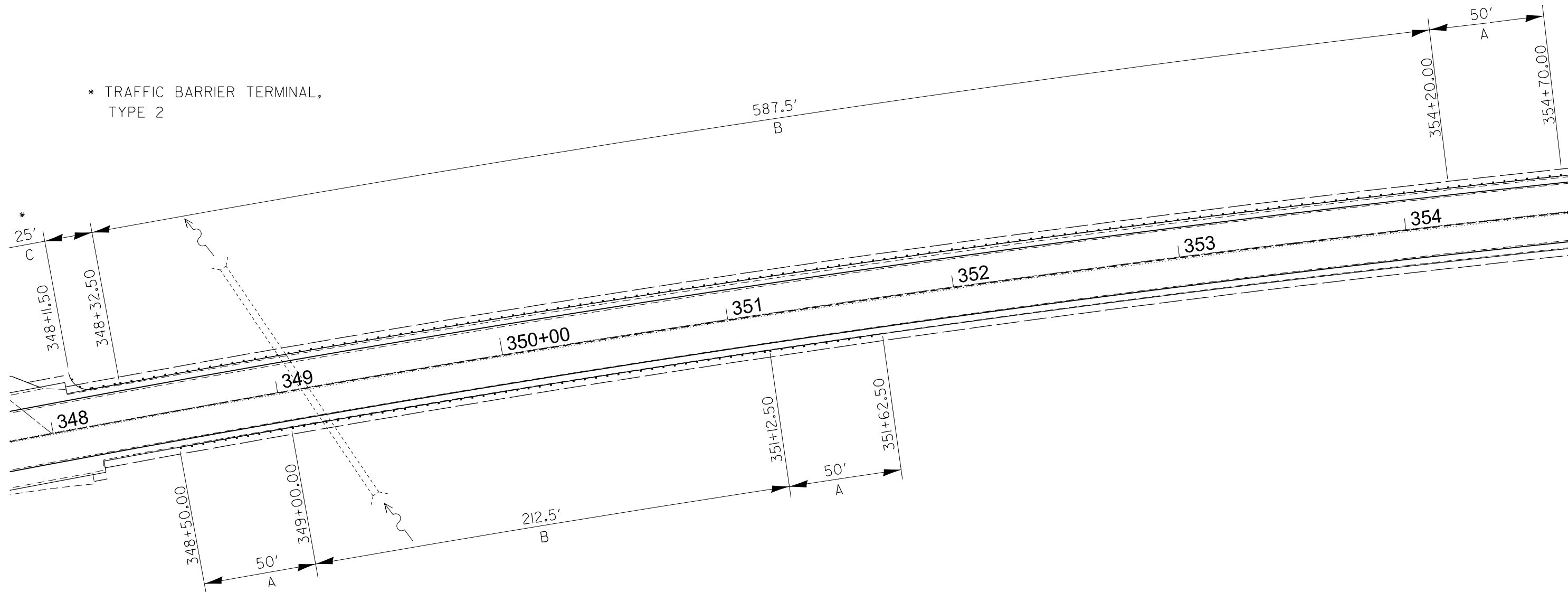
GUARDRAIL DETAILS

SCALE: SHEET OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4:(34BR)BDR,BRR	SANGAMON	58	53
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



* TRAFFIC BARRIER TERMINAL,
TYPE 2



LEGEND

- A PAY LIMITS - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- B PAY LIMITS - STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- C PAY LIMITS - STEEL PLATE BEAM GUARDRAIL, SHORT RADIUS - 8'-6" RADIUS

MODEL: Detail Sheet-10 (Sheet)
 FILE NAME: c:\p\work\pav\01\sf\ercal\0883472\0672282-Detail.dgn

USER NAME = Christopher.Siefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 1/25/2024	DATE -	REVISED -

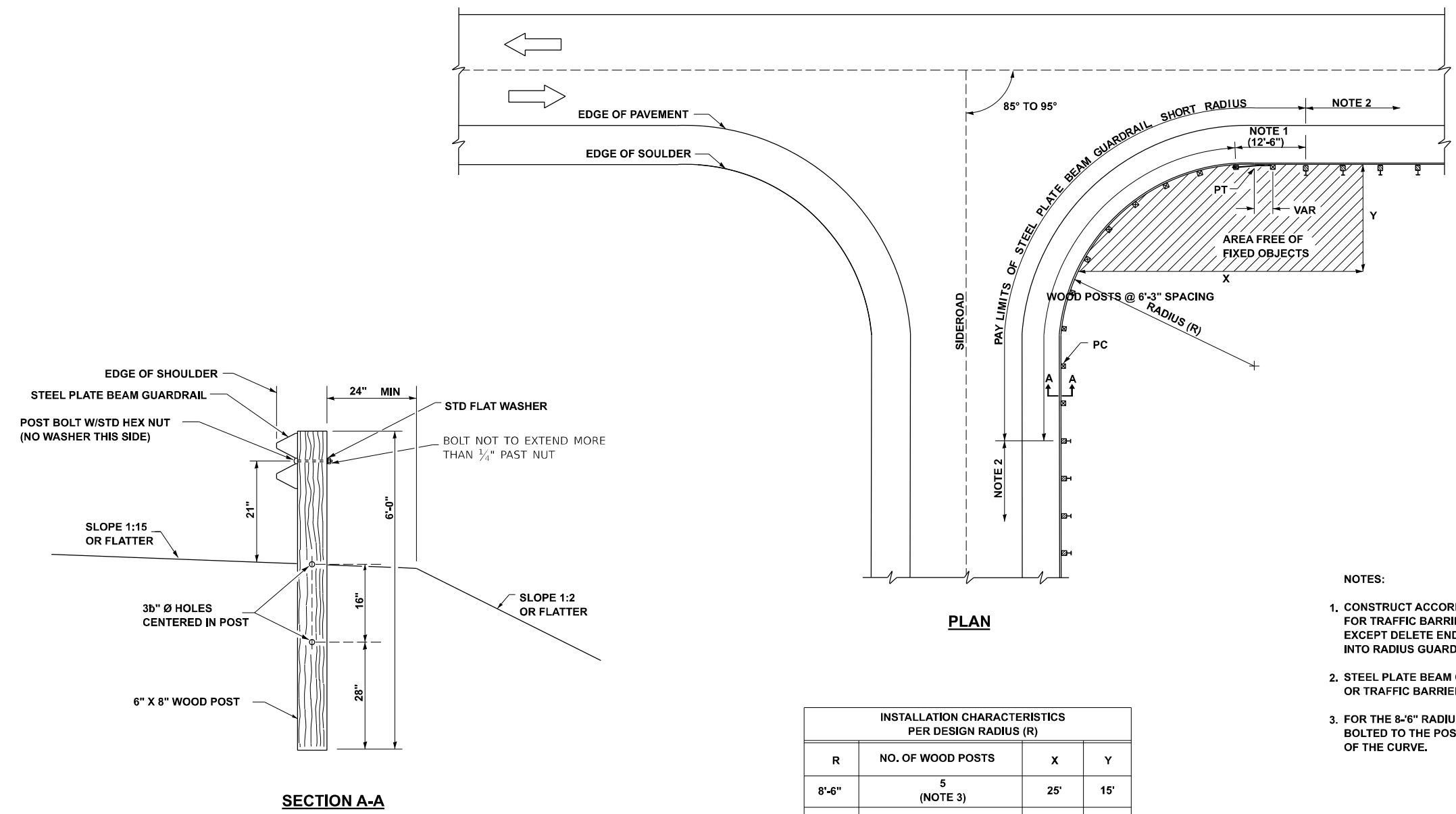
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: SHEET 10 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	54
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				

MODEL: Detail Sheet-11 [Sheet]
 FILE NAME: c:\p\work\wv\1015\fercal\0883472\0672282-Detail.dgn



- NOTES:
1. CONSTRUCT ACCORDING TO STANDARD 631011 FOR TRAFFIC BARRIER TERMINAL TYPE 2, EXCEPT DELETE END SECTION AND SPLICE INTO RADIUS GUARDRAIL.
 2. STEEL PLATE BEAM GUARDRAIL TYPE A, TYPE B, OR TRAFFIC BARRIER TERMINAL AS SPECIFIED.
 3. FOR THE 8'-6" RADIUS, THE RAIL IS NOT BOLTED TO THE POST LOCATED AT THE MIDPOINT OF THE CURVE.

INSTALLATION CHARACTERISTICS PER DESIGN RADIUS (R)			
R	NO. OF WOOD POSTS	X	Y
8'-6"	5 (NOTE 3)	25'	15'
17'-0"	6	30'	15'
25'-6"	8	40'	20'
35'-0"	11	50'	20'

GENERAL NOTES
 ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

BDE MEMO 36-03 ATTACHMENT A

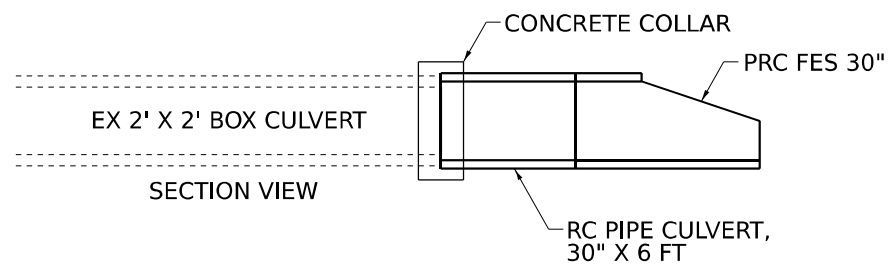
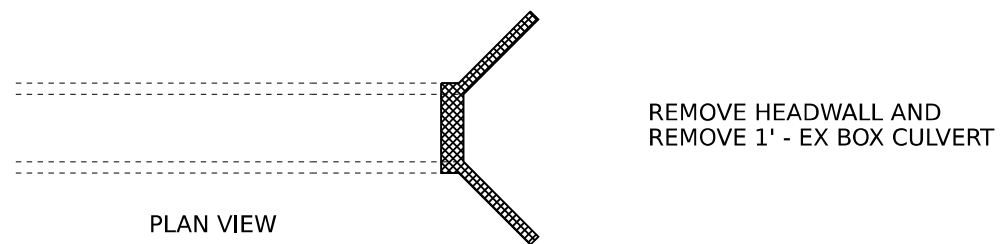
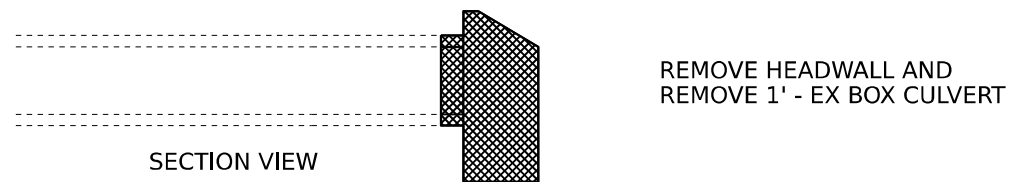
USER NAME = Christopher.Siefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 1/31/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAILS

SCALE: SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	55
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



NOTES:

1. CONCRETE HEADWALL REMOVAL SHALL INCLUDE 1 FT OF EXISTING BOX CULVERT.
2. SEE DETAILS FOR CONCRETE COLLAR AND END SECTION CONNECTIONS AND LOCATIONS.
3. CONTRACTOR SHALL PERFORM GRADING AND SHAPING OF DITCHES FOR A DISTANCE OF 50 FEET UP AND DOWN STATION OF NEW END SECTIONS.
4. A QUANTITY OF 20 CU YD OF FURNISHED EXCAVATION IS ASSUMED FOR EACH NEW END SECTION LOCATION.
5. SEEDING, FERTILIZER AND MULCH IS INCLUDED WITH THE FURNISHED EXCAVATION QUANTITY. SEEDING SHALL BE CLASS 2, FERTILIZER SHALL BE APPLIED AT 90 LBS/ACRE AND MULCH SHALL BE APPLIED AS METHOD 2.

MODEL: Detail Sheet-12 (Sheet)
 FILE NAME: c:\p\work\project\isef\ercal\0883472\067282-Details.dgn

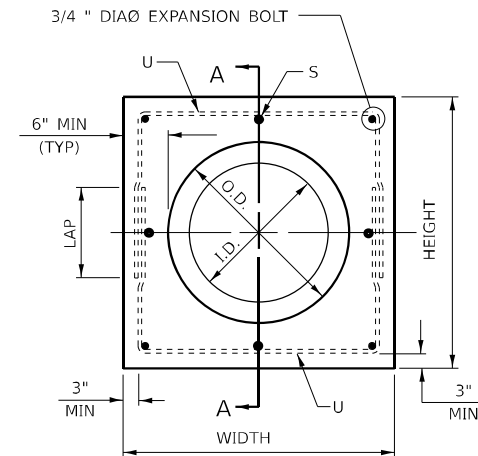
USER NAME = Christopher.Siefert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/1/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

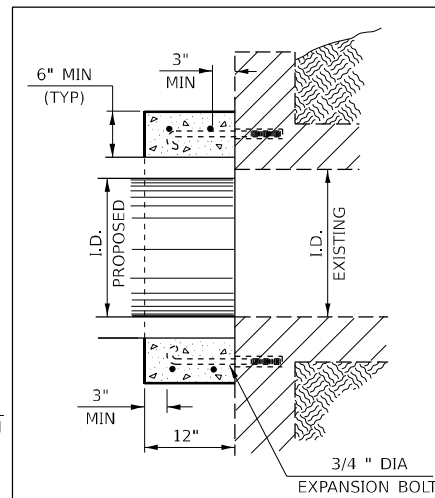
CULVERT EXTENSION

SCALE: SHEET 12 OF 14 SHEETS STA. TO STA.

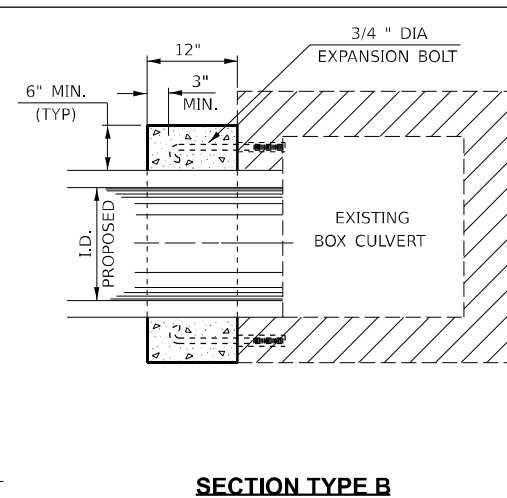
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	56
CONTRACT NO. 72282				
ILLINOIS			FED. AID PROJECT	



PIPE CULVERT EXTENSION COLLAR

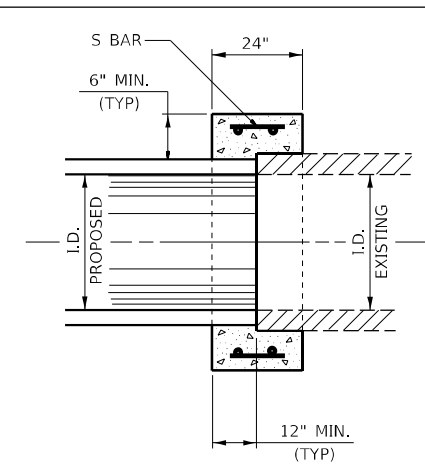


**SECTION TYPE A
(BOX END EXTENSION)**

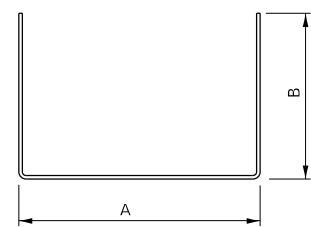
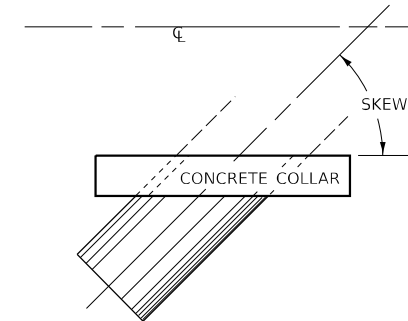


**SECTION TYPE B
(PIPE IN SIDE EXTENSION)**

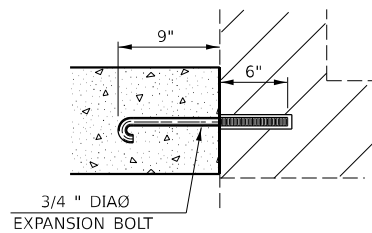
SECTION A - A



**SECTION TYPE C
(PIPE END TO PIPE END EXTENSION
NO EXPANSION BOLTS REQUIRED)**



#4 U - BAR

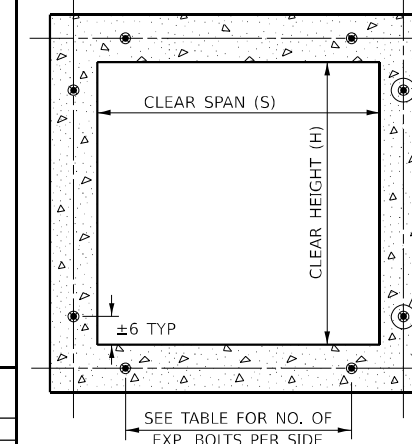


EXPANSION BOLT DETAIL

NOTES:

1. EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND 3/4" DIAØ HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE. MINIMUM CERTIFIED PROOF LOAD - 4,080 LBS.
2. USE MINIMUM OF 1 (ONE) EXPANSION BOLT AT EACH CORNER.

BOX CULVERT POURED IN PLACE EXTENSION



SECTION THRU BARREL

3/4" DIAØ EXPANSION BOLT

EXPANSION BOLTS REQUIRED FOR CULVERT EXTENSIONS

H OR S	EXTENSION ≤ 15FT		EXTENSION > 15FT	
	NO.	SPACING	NO.	SPACING
24"	*	*	*	*
30"	2	18"	2	18"
36"	2	24"	2	24"
48"	3	18"	3	18"
60"	4	16"	3	24"
72"	5	15"	4	20"
84"	5	18"	4	24"
96"	6	17"	5	21"
108"	6	19"	5	24"
120"	7	18"	6	21"
132"	8	17"	6	24"
144"	8	19"	7	22"

NOTE: NUMBER OF EXPANSION BOLTS IN TABLE BASED ON NON-SKEWED CULVERTS.

* USE MINIMUM 1 (ONE) EXPANSION BOLT IN EACH CORNER.

STATION	SECTION TYPE	SKEW	EXISTING CULVERT		PROPOSED CULVERT		COLLAR		REINFORCEMENT BARS							EXPANSION BOLTS 3/4" EACH	CLASS S1 CONCRETE COLLAR YD3	
			SIZE	I.D.	O.D.	HEIGHT	WIDTH	S BAR			U BAR							
								NO.	SIZE	LENGTH	NO.	SIZE	A	B	LAP			LENGTH
LT STA 304+39	C	90	2' X 2'	30"	37"	49"	49"	8	4	18"	4	4	43"	43"	6"	129"	32.83	0.68
RT STA 304+39	C	90	2' X 2'	30"	37"	49"	49"	8	4	18"	4	4	43"	43"	6"	129"	32.83	0.68
LT STA 378+80	C	90	2' X 2'	30"	37"	49"	49"	8	4	18"	4	4	43"	43"	6"	129"	32.83	0.68
RT STA 378+80	C	90	2' X 2'	30"	37"	49"	49"	8	4	18"	4	4	43"	43"	6"	129"	32.83	0.68
LT STA 395+42	C	90	2' X 2'	30"	37"	49"	49"	8	4	18"	4	4	43"	43"	6"	129"	32.83	0.68
RT STA 395+42	C	90	2' X 2'	30"	37"	49"	49"	8	4	18"	4	4	43"	43"	6"	129"	32.83	0.68
LT STA 423+46	C	90	2' X 2'	30"	37"	49"	49"	8	4	18"	4	4	43"	43"	6"	129"	32.83	0.68
RT STA 423+46	C	90	2' X 2'	30"	37"	49"	49"	8	4	18"	4	4	43"	43"	6"	129"	32.83	0.68
TOTAL												264	5.6					

MODEL: Detail Sheet-13 (Sheet) FILE NAME: c:\p\work\wv\1015\sf\ca\0883472\067282-Detail.dgn

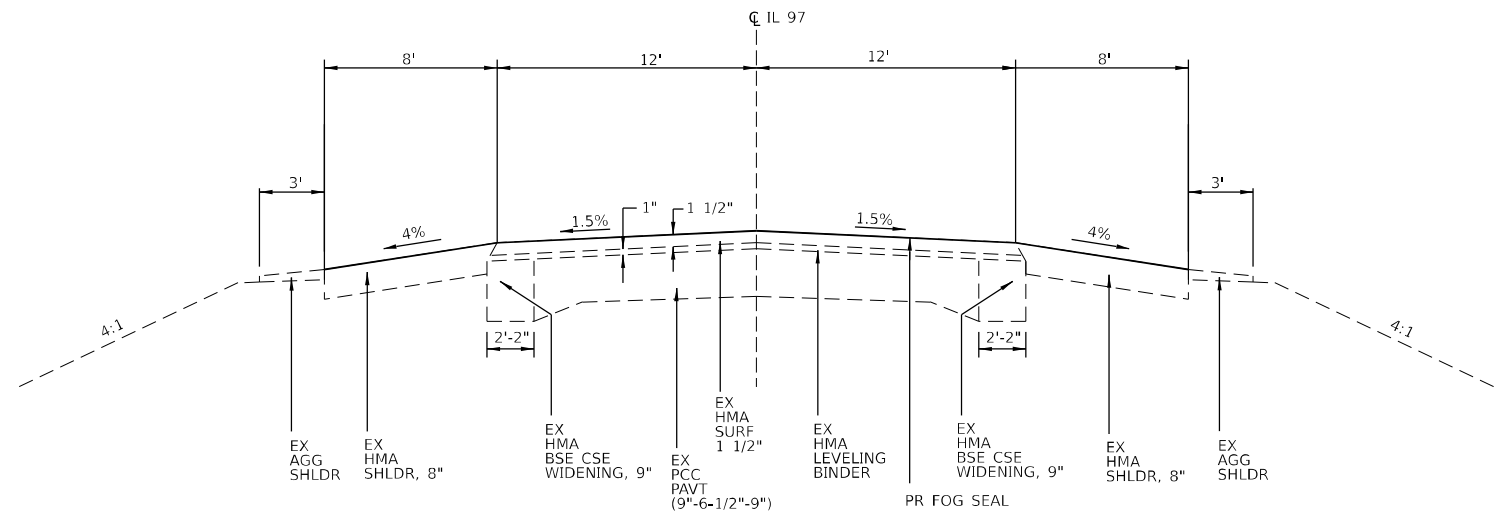
USER NAME = Christopher.Siefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 1/25/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONCRETE COLLAR

SCALE: SHEET 13 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	57
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				



TYPICAL - FOG SEAL



MODEL: Detail Sheet - 14 (Sheet)
 FILE NAME: c:\p\work\wis\wis\ferca\0883472\0672282-Detail.dgn

USER NAME = Christopher.Siefert	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FOG SEAL DETAIL

SCALE: SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	34RS-4;(34BR)BDR,BRR	SANGAMON	58	58
CONTRACT NO. 72282				
ILLINOIS FED. AID PROJECT				