

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP 587 (US 34)
SECTION (20) BR
PROJECT NHPP-6WP6(603)
BRIDGE REPLACEMENT OVER
LITTLE VERMILION RIVER
LASALLE COUNTY

C-93-041-18

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20) BR	LASALLE	69	1
		ILLINOIS	CONTRACT NO. 66853	

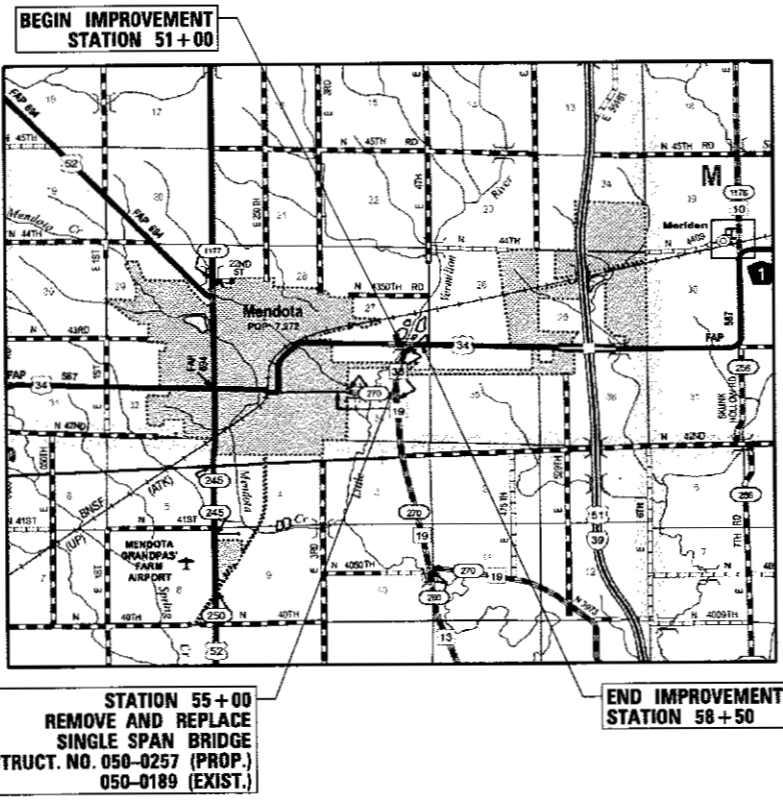
D-93-025-15
P-93-022-07



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

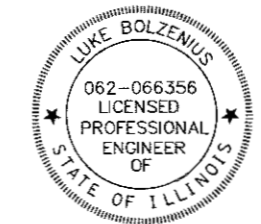
PROJECT DESCRIPTION:
THE PROJECT INCLUDES THE COMPLETE REMOVAL AND REPLACEMENT OF THE EXISTING SINGLE SPAN PPC DECK BEAM BRIDGE CARRYING US ROUTE 34 OVER THE LITTLE VERMILION RIVER. THE PROPOSED STRUCTURE CONSISTS OF A ONE SPAN ROLLED STEEL BEAM STRUCTURE SUPPORTED ON INTEGRAL ABUTMENTS. ONE LANE OF TRAFFIC WILL BE MAINTAINED BY UTILIZING STAGED CONSTRUCTION ON US ROUTE 34.



BEGIN IMPROVEMENT STATION 51+00

END IMPROVEMENT STATION 58+50

STATION 55+00 REMOVE AND REPLACE SINGLE SPAN BRIDGE STRUCT. NO. 050-0257 (PROP.) 050-0189 (EXIST.)



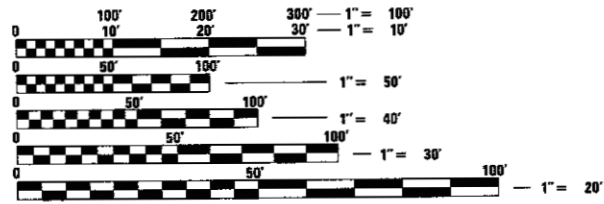
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SIGNATURE DATE 8/15/2017
11/30/2017 EXPIRES



TRAFFIC DATA

ROUTE: FAP 587 (US RTE. 34)
FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL (URBAN)
EXISTING ADT: 5900 (2015)
CONSTRUCTION ADT: 7700 (2016)
DESIGN ADT: 9800 (2031)
PV: 88% SU: 8% MU: 4%

DESIGN SPEED: 45 MPH
POSTED SPEED: 45 MPH



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

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

PROJECT ENGINEER: JOSEPH KANNEL, PE
UNIT CHIEF: MICHELE LINDEMANN, PE
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66853

GROSS LENGTH = NET LENGTH = 750 FT. = 0.142 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 8-22 2017
[Signature] REGIONAL ENGINEER

Oct 13 2017
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

Oct 13 2017
[Signature] DIRECTOR OF PROGRAM DEVELOPMENT

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REV

GENERAL NOTES

- THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
- THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.
- EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
- FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
- NO TREES ARE DESIGNATED BY THE ENGINEER TO BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
- ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
- THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE

- MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENTS ARE:
 - FRONTIER COMMUNICATIONS
 - COMCAST
 - NICOR GAS COMPANY
 - COMED, AN EXELON COMPANY
 - IFIBER
- ALL SAW CUTS ARE TO BE CONSIDERED INCIDENTAL TO PAVED SHOULDER REMOVAL AND PAVEMENT PATCHES.

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL EQUIVALENTS OF AN INCH AND FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84" DIAMETER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-02	METAL END SECTIONS FOR PIPE CULVERTS
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE DRAIN
630001-11	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-07	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD MOVING OPERATIONS 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45MPH
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-16	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45MPH
701901-06	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

	HMA BINDER	HMA LEVEL BINDER	HMA SURFACE	HMA SHOULDERS/ TEMPORARY PAVEMENT
PG GRADE	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION	IL 19.0	IL 9.5FG	IL 9.5	IL 19.0
FRICTION AGGREGATE	-	-	MIXTURE D	-
DENSITY TEST METHOD	CORES	GROWTH CURVE	CORES	CORES
MIXTURE WEIGHT	112 LBS /SQ. YD. / IN.	112 LBS /SQ. YD. / IN.	112 LBS /SQ. YD. / IN.	112 LBS /SQ. YD. / IN.
QUALITY MANAGEMENT PROGRAM	QC/OA	QC/OA	QC/OA	QC/OA
SUBLOT SIZE	N/A	N/A	N/A	N/A
LOCATION	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT

COMMITMENTS

- ALL UTILITIES RELOCATING WITHIN THE FOLLOWING AREAS SHOULD BE NOTIFIED OF THE POTENTIAL SOIL CONTAMINATION:
 - SITE 1814V-1 DEL MONTE FOODS / BAY VALLEY FOODS, LLC
 - STATION 53+85 TO STATION 55+00 (US ROUTE 34), 0 TO 70 FEET LT (DEL MONTE FOODS/BAY VALLE FOODS, LLC, PESA SITE 1814V-1, 1347-349 NORTH 43RD ROAD, MENDOTA); THIS MATERIAL MEETS THE CRITERIA OF ARTICLE 669.09(A)(2) AND SHALL BE MANAGED IN ACCORDANCE WITH ARTICLE 669.09. COC SAMPLING PARAMETERS: MANGANESE, LEAD.
 - STATION 56+00 TO STATION 57+75, (US ROUTE 34), 0 TO 55 FEET LT (DEL MONTE FOODS/BAY VALLE FOODS, LLC, PESA SITE 1814V-1, 1347-349 NORTH 43RD ROAD, MENDOTA); THIS MATERIAL MEETS THE CRITERIA OF ARTICLE 669.09(A)(2) AND SHALL BE MANAGED IN ACCORDANCE WITH ARTICLE 669.09. COC SAMPLING PARAMETERS: MANGANESE.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Don Benoit
DISTRICT STUDIES & PLANS ENGINEER

DATE: August 22, 2017

EXAMINED BY: Michael A. Shost
DISTRICT CONSTRUCTION ENGINEER
Tom Sprague
DISTRICT MATERIALS ENGINEER
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS AND GENERAL NOTES

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	2
CONTRACT NO. 66853			ILLINOIS FED. AID PROJECT	

FILE NAME = 8FILES*



USER NAME = corcoranm	DESIGNED - LAB	REVISED -
PLOT SCALE = 48,0000 "/ in.	DRAWN - LAB	REVISED -
PLOT DATE = 8/22/2017	CHECKED - DAZ	REVISED -
	DATE - 8/15/17	REVISED -

REV

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE
BRIDGE
0010
SN 050-0257
80% FEDERAL
20% STATE
URBAN

URBAN
0010

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
20200100	EARTH EXCAVATION	CU YD	547	547
20300100	CHANNEL EXCAVATION	CU YD	1386	1386
20400800	FURNISHED EXCAVATION	CU YD	754	754
20800150	TRENCH BACKFILL	CU YD	51	51
Δ 25000210	SEEDING, CLASS 2A	ACRE	1	1
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	99	99
Δ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	99	99
Δ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	99	99
Δ 25100630	EROSION CONTROL BLANKET	SQ YD	5043	5043
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	110	110
28000305	TEMPORARY DITCH CHECKS	FOOT	154	154
28000400	PERIMETER EROSION BARRIER	FOOT	173	173
28000500	INLET AND PIPE PROTECTION	EACH	1	1
28100105	STONE RIPRAP, CLASS A3	SQ YD	89	89

Δ SPECIALTY ITEM

14

FILE NAME = D366853-03-S00-1.dgn



USER NAME = ccorcoranm	DESIGNED - BTS	REVISED -
PLOT SCALE = 48.00000' / in.	DRAWN - BTS	REVISED -
PLOT DATE = 8/25/2017	CHECKED - DAZ	REVISED -
	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	3
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

REV

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				BRIDGE	URBAN
				0010	
				SN 050-0257	
				80% FEDERAL	
				20% STATE	
					URBAN
28100107	STONE RIPRAP, CLASS A4	SQ YD	665		665
28200200	FILTER FABRIC	SQ YD	665		665
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	192		192
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	176		176
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1788		1788
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	0.7		0.7
40600537	LEVELING BINDER (HAND METHOD), IL-9.5FG, N70	TON	1.2		1.2
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	61.1		61.1
40600990	TEMPORARY RAMP	SQ YD	290		290
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	531.8		531.8
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	202.4		202.4
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	75		75
44000100	PAVEMENT REMOVAL	SQ YD	29		29
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2249		2249

Δ SPECIALTY ITEM

FILE NAME = D:\66853-04-500-2.dwg



USER NAME = corcoranlm	DESIGNED - BTS	REVISED -
PLOT SCALE = 40.00000' / 1" =	DRAWN - BTS	REVISED -
PLOT DATE = 8/25/2017	CHECKED - DAZ	REVISED -
	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 2 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	4
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

REV

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				RURAL	URBAN
					BRIDGE
					0010
					SN 050-0257
					80% FEDERAL
					20% STATE
					URBAN
44004000	PAVED DITCH REMOVAL	FOOT	20		20
44004250	PAVED SHOULDER REMOVAL	SQ YD	608		608
44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	26		26
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	436		436
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	779		779
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50200100	STRUCTURE EXCAVATION	CU YD	134		134
50300225	CONCRETE STRUCTURES	CU YD	84.5		84.5
50300255	CONCRETE SUPERSTRUCTURE	CU YD	158.7		158.7
50300260	BRIDGE DECK GROOVING	SQ YD	585		585
50300300	PROTECTIVE COAT	SQ YD	710		710
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	144.6		144.6
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	LSUM	1		1
50500505	STUD SHEAR CONNECTORS	EACH	2709		2709
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	82630		82630

Δ SPECIALTY ITEM

FILE NAME : 036853_05-500_3.dgn



USER NAME : corcoranlm	DESIGNED - BTS	REVISED -
PLDT SCALE : 40,000000' / 1" =	DRAWN - BTS	REVISED -
PLDT DATE : 8/25/2017	CHECKED - DAZ	REVISED -
	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 3 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	5
CONTRACT NO. 66853			ILLINOIS FED. AID PROJECT	

REV

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				BRIDGE	
				0010	
				SN 050-0257	
				80% FEDERAL	
				20% STATE	
				URBAN	
50800515	BAR SPLICERS	EACH	544	544	
50901720	BICYCLE RAILING	FOOT	133	133	
50901750	PARAPET RAILING	FOOT	109	109	
51201800	FURNISHING STEEL PILES HP14X73	FOOT	834	834	
51202305	DRIVING PILES	FOOT	834	834	
51203800	TEST PILE STEEL HP14X73	EACH	2	2	
51500100	NAME PLATES	EACH	1	1	
52100520	ANCHOR BOLTS, 1"	EACH	28	28	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	317	317	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	39	39	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	93	93	
54213450	END SECTIONS 15"	EACH	2	2	
54213453	END SECTIONS 18"	EACH	2	2	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	92	92	

Δ SPECIALTY ITEM

FILE NAME = 036853-06-500-4.dgn



USER NAME = corcoranlm	DESIGNED - BTS	REVISED -
DRAWN - BTS	CHECKED - DAZ	REVISED -
PLLOT SCALE = 48.00000' / in.	DATE - 8/15/17	REVISED -
PLLOT DATE = 8/25/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 4 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	6
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

REV

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE
 BRIDGE
 0010
 SN 050-0257
 80% FEDERAL
 20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1
Δ 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3	3
Δ 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	3	3
63200310	GUARDRAIL REMOVAL	FOOT	507	507
64300240	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	1	1
66700205	PERMANENT SURVEY MARKERS, TYPE 1	EACH	2	2
Δ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	300	300
Δ 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1
Δ 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	LSUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1

Δ SPECIALTY ITEM

FILE NAME : 0366803-07-500-5.dgn

14



USER NAME : corcoranb	DESIGNED - BTS	REVISED -
DRAWN - BTS	CHECKED - DAZ	REVISED -
PLGT SCALE : 40.00000 1' = 40'	DATE - 8/15/17	REVISED -
PLGT DATE : 8/25/2017		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 5 OF 8 SHEETS STA.N/A TO STA.N/A

F.A.P. RTE. 587	SECTION (20)BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 7
CONTRACT NO. 66853			ILLINOIS FED. AID PROJECT	

REV

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				BRIDGE	0010
				SN 050-0257	
				80% FEDERAL	
				20% STATE	
				URBAN	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	3	3	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	277	277	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	31	31	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2595	2595	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	231	231	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	11	11	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	723	723	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	508	508	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1	

Δ SPECIALTY ITEM

FILE NAME : D366B53-08-501-6.dgn



USER NAME : corcorania	DESIGNED - BTS	REVISED -
PLOT SCALE : 40.0000 1/1 in.	DRAWN - BTS	REVISED -
PLOT DATE : 8/25/2017	CHECKED - DAZ	REVISED -
	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 6 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	8
CONTRACT NO. 66853			ILLINOIS FED. AID PROJECT	

REV

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				BRIDGE	
				0010	
				SN 050-0257	
				80% FEDERAL	
				20% STATE	
				URBAN	
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3		3
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5190		5190
Δ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	462		462
Δ 78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	11		11
Δ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	3		3
Δ 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	6		6
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1002		1002
X5015225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	109		109
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	150		150
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	40		40
Δ X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	11		11
Δ Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	13		13
Z0004552	APPROACH SLAB REMOVAL	SQ YD	206		206
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	182		182

Δ SPECIALTY ITEM

FILE NAME: 036853-09-500-7.dgn



USER NAME: corcoranlm	DESIGNED - BTS	REVISED -
	DRAWN - BTS	REVISED -
PLOT SCALE: 46.8000 1/4 in.	CHECKED - DAZ	REVISED -
PLOT DATE: 8/25/2017	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 7 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 587	SECTION 1201BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66853	

REV

SUMMARY OF QUANTITIES

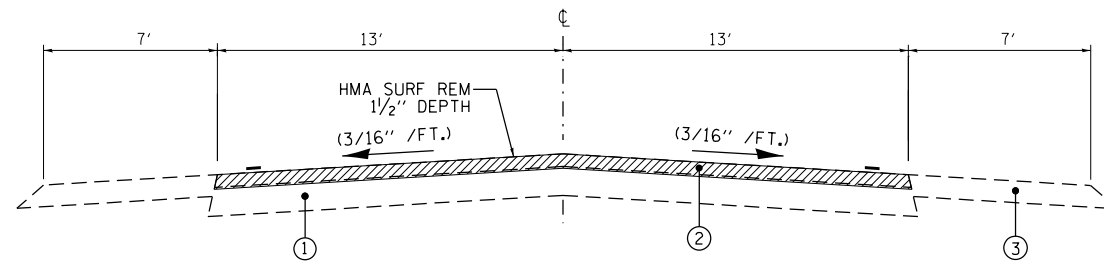
CONSTRUCTION TYPE CODE
BRIDGE
0010
SN 050-0257
80% FEDERAL
20% STATE
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY

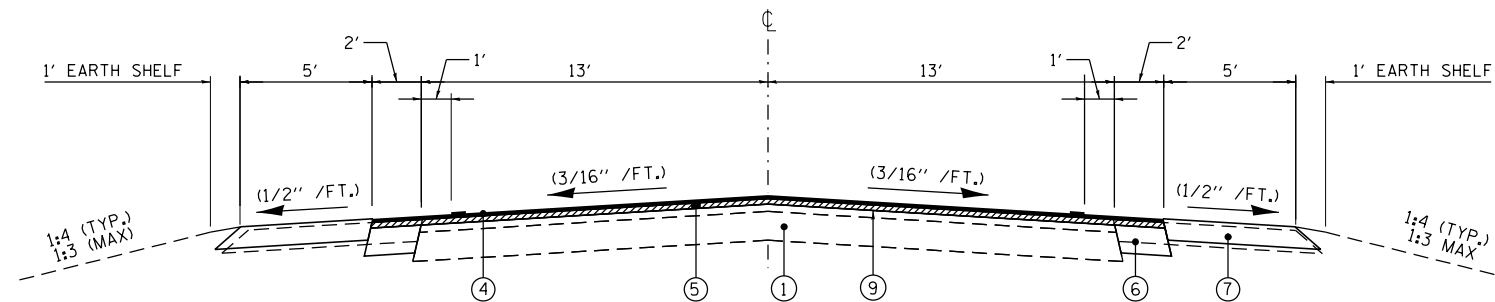
FILE NAME = I068553-10-SUD-8.dgn

	USER NAME - Ibolzenius	DESIGNED - BTS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / 1" =	DRAWN - BTS	REVISED -					587	(20)BR	LASALLE	69	10
	PLOT DATE = 8/15/2017	CHECKED - DAZ	REVISED -					CONTRACT NO. 66853				
	DATE - 8/15/17	REVISI -	ILLINOIS FED. AID PROJECT									
								SCALE: N/A	SHEET 8 OF 8 SHEETS	STA. N/A	TO STA. N/A	

REV



**US ROUTE 34 EXISTING ROADWAY
TYPICAL SECTION**

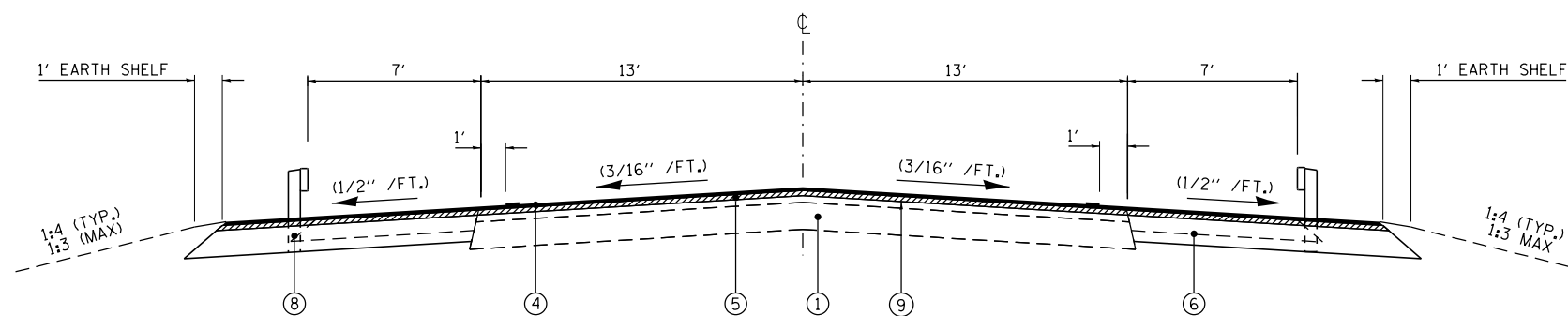


US ROUTE 34 PROPOSED TYPICAL SECTION

STA. 51+00.00 TO STA. 53+38.48
STA. 56+47.00 TO STA. 58+50.00

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING OVERLAY
- ③ EXISTING AGGREGATE SHOULDER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑤ PROPOSED BINDER WHEN THE BINDER THICKNESS RANGES FROM 3/4" TO 2 1/4" USE LEVELING BINDER (MM) IL-9.5 FG, N70. WHEN THE THICKNESS IS OVER 2 1/4" USE HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70
- ⑥ PROPOSED HOT-MIX ASPHALT SHOULDERS, 6 1/2"
- ⑦ PROPOSED AGGREGATE SHOULDERS, TYPE B 6"
- ⑧ PROPOSED GUARDRAIL
- ⑨ PROPOSED BITUMINOUS MATERIALS (TACK COAT)



US ROUTE 34 PROPOSED TYPICAL SECTION

STA. 53+38.48 TO STA. 54+31.00
STA. 55+69.00 TO STA. 56+47.00

FILE NAME = 4366853-11-Typical-1.dgn



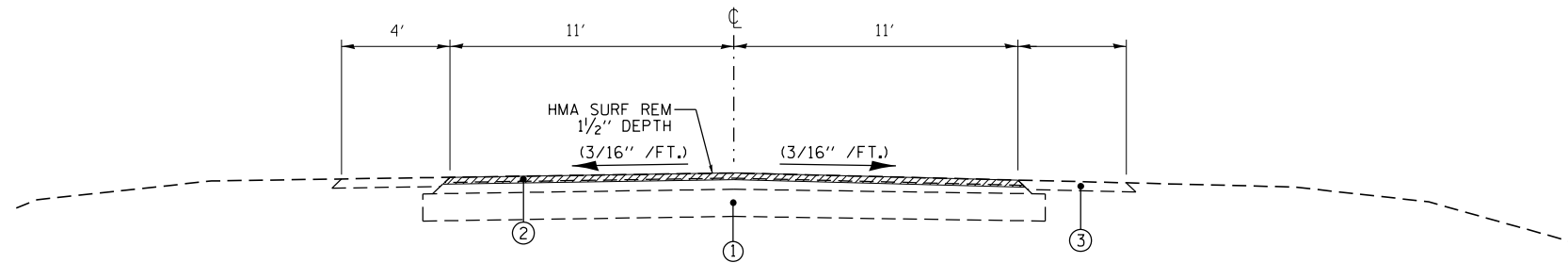
USER NAME = corcoranim	DESIGNED - LAB	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/25/2017	DATE - 8/15/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

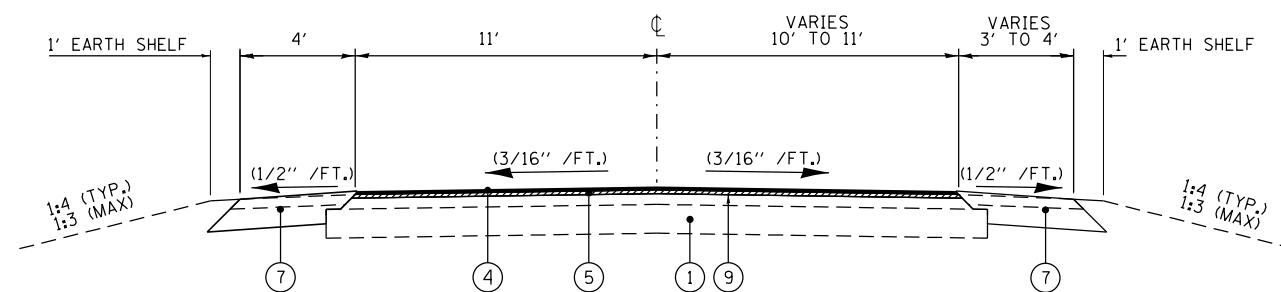
TYPICAL SECTIONS

SCALE: SHEET 1 OF 2 SHEETS STA. 51+00.00 TO STA. 56+96.56

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	11
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

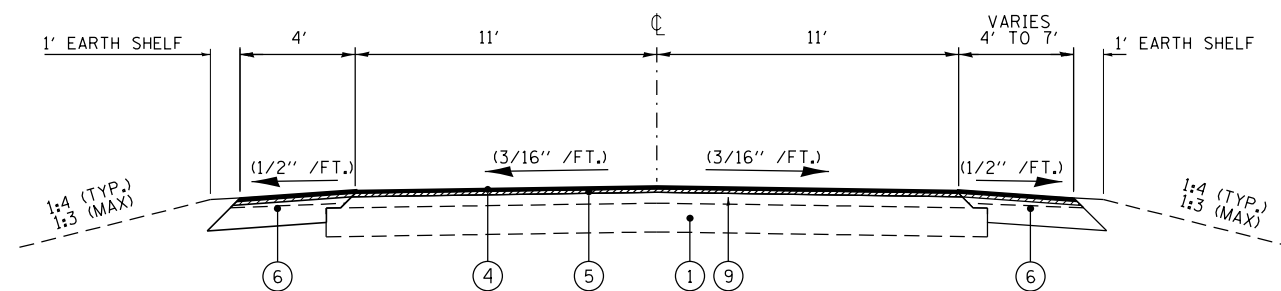


**C.H. 38 /4TH RD EXISTING ROADWAY
TYPICAL SECTION**



**C.H. 38 /4TH RD PROPOSED ROADWAY
TYPICAL SECTION**

STA. 107+79.29 TO STA. 109+24.54



**C.H. 38 /4TH RD PROPOSED ROADWAY
TYPICAL SECTION**

STA. 109+24.54 TO STA. 110+00.00

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING OVERLAY
- ③ EXISTING AGGREGATE SHOULDER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑤ PROPOSED BINDER WHEN THE BINDER THICKNESS RANGES FROM 3/4" TO 2 1/4" USE LEVELING BINDER (MM) IL-9.5 FG, N70. WHEN THE THICKNESS IS OVER 2 1/4" USE HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70
- ⑥ PROPOSED HOT-MIX ASPHALT SHOULDERS, 6 1/2"
- ⑦ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- ⑧ PROPOSED GUARDRAIL
- ⑨ PROPOSED BITUMINOUS MATERIALS (TACK COAT)

FILE NAME = 4366853-12-Typical-2.dgn



USER NAME = corcoranim	DESIGNED - LAB	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/25/2017	DATE - 8/15/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: N/A SHEET 2 OF 2 SHEETS STA. XX+XX.XX TO STA. XX+XX.XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	12
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

PAVEMENT SCHEDULE - CONTINUED ON NEXT SHEET

FROM STATION	TO STATION	HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70 (TON)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (TON)	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 (TON)	HMA BASE COURSE WIDENING, 8" (SQ YD)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB (SQ YD)	AGGREGATE SURFACE COURSE, TYPE B (TONS)
51+00	54+21					637.35		
51+00	52+00	24.26		9.22				
51+50	53+00							
51+75	54+29				75.60			
52+00	53+00	24.26		27.66				
52+00	54+00							
52+48	53+13				18.00			
52+50	54+21							
53+00	54+00	24.26	112.11					
54+00	54+21	5.10	35.78					
54+21	54+31						28.90	
55+69	55+79						45.50	
55+79	58+50					1150.13		
55+79	56+00	5.10	29.19					
55+92	58+55				98.30			
56+00	57+00	24.26	69.89					
57+00	58+00	24.26	9.71	18.44				
58+00	58+50	12.13						
107+79	108+00	4.25						
108+00	109+00	20.50	83.77	5.81				
109+00	109+79	34.00	191.32					
57+75	58+29							176
TOTAL		202.40	531.80	61.10	192.00	1788	75.00	176

CLASS C PATCHES SCHEDULE

FROM STATION	TO STATION	CLASS C PATCHES TYPE IV (SQ YD)
E 4TH RD	E 4TH RD	
109+38	109+59	26.5
TOTAL		26.5

EARTHWORK SCHEDULE

FROM STATION	TO STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	REQUIRED FILL (CU YD)	FURNISHED EXCAVATION WASTE (-) OR SHORTAGE (+) (CU YD)
50+50	51+00	6.30	4.72	0.83	4
51+00	51+50	16.20	12.15	3.61	9
51+50	52+00	13.80	10.35	17.22	-7
52+00	52+50	19.63	14.72	22.50	-8
52+50	53+00	42.13	31.60	19.81	12
53+00	53+50	41.48	31.11	245.09	-214
53+50	54+00	26.94	20.21	300.74	-281
54+00	54+50	24.17	18.13	166.11	-148
54+50	55+00				
55+00	55+50				
55+50	56+00	13.06	9.79	129.54	-120
56+00	56+50	17.04	12.78	60.19	-47
56+50	57+00	38.61	28.96	42.31	-13
57+00	57+50	38.24	28.68	6.85	22
57+50	58+00	26.02	19.51	20.65	-1
58+00	58+50	17.22	12.92	14.35	-1
107+50	108+00				
108+00	108+50	4.91	3.68	9.91	-6
108+50	109+00	41.85	31.39	25.74	6
109+00	109+50	90.74	68.06	38.06	30
109+50	110+00	68.61	51.46	42.78	9
TOTAL		547	412	1166	754

TRENCH BACKFILL SCHEDULE

FROM STATION	TO STATION	SIDE	VOLUME (CY)
109+38	109+59	LT/RT	43.5
57+87	58+17	LT	6.8
TOTAL			51

CHANNEL EXCAVATION

FROM STATION	TO STATION	START AREA (SF)	END AREA (SF)	VOLUME (CU YD)
199+25	199+70	0	365	304.17
199+70	200+30	365	365	811.11
200+30	200+70	365	0	270.37
TOTAL				1386.00

SEEDING SCHEDULE

FROM STATION	TO STATION	SEEDING, CLASS 2A (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	TEMPORARY EROSION CONTROL SEEDING (POUND)	EROSION CONTROL BLANKET (SQ YD)	TEMPORARY DITCH CHECKS (FOOT)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)
51+00	52+00	0.12	10	10	10	12	558.0			
52+00	53+00	0.16	14	14	14	16	756.9	28		
53+00	54+00	0.16	15	15	15	16	793.5			
54+00	54+30	0.11	10	10	10	11	280.2			
54+30	55+69	0.07	6	6	6	7	325.3	42		
55+69	56+00	0.06	6	6	6	6	144.5			
56+00	57+00	0.16	14	14	14	16	466.4	42		
57+00	58+00	0.09	9	9	9	9	459.4	28		
58+00	58+50	0.03	3	3	3	3	139.5			1
107+79	108+00	0.01	1	1	1	1	57.0		173	
108+00	109+59	0.13	11	11	11	13	1061.5	14		
TOTAL		1.10	99	99	99	110	5042	154	173	1

PAVEMENT MARKING SCHEDULE

FROM STATION	TO STATION	PAVEMENT MARKING REMOVAL (SQ FT)	TEMPORARY PAVEMENT MARKING LINE 4" SOLID (FOOT)			TEMPORARY PAVEMENT MARKING LINE 6" (FOOT)		TEMPORARY PAVEMENT MARKING LINE 24" (FOOT)		PAINT PAVEMENT MARKING LINE 4" SOLID (FOOT)			PAINT PAVEMENT MARKING LINE 6" DASHED (FOOT)		PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24" WHITE (FOOT)	25" GROOVING FOR PREFORMED PLASTIC PAVEMENT MARKING (FOOT)	SHORT TERM PAVEMENT MARKING (FOOT)	SHORT TERM PAVEMENT MARKING REMOVAL (SQ FT)	PAVEMENT MARKING REMOVAL - WATER BLASTING (SQ FT)		
			WHITE	YELLOW	SIDE	YELLOW	SIDE	WHITE	SIDE	WHITE	YELLOW	SIDE	YELLOW	SIDE							
US 34	US 34				W	Y															
51+00	58+50	678	750	750	LT	C	187.5	C			1500	1500	LT	C	375	C		225 (C)	25 (C)	594	
51+00	58+50		625		RT					1250		RT								208	
E 4TH RD	E 4TH RD																				
107+79	109+88	155	232		LT		43.5	C	11	C TO RT	464		LT		87	C		52 (C)	6 (C)	121	
107+79	109+53		238		RT						476		RT							79	
TOTAL		833	1845	750			231		11		3690	1500			462		11		277	31	1002
GRAND TOTAL		833	2595				231		11		5190				462		11		277	31	1002

NOTE: ADDITIONAL QUANTITY HAS BEEN INCLUDED TO ALLOW FOR TWO SEPARATE APPLICATIONS OF PERMANENT PAINT PAVEMENT MARKING LINES AND THREE APPLICATIONS OF SHORT TERM PAVEMENT MARKINGS.

FILE NAME = D366853-13-Schedule-1.dgn



USER NAME = ih11	DESIGNED - JG	REVISED - 8/22/17
	DRAWN - JG	REVISED -
PLOT SCALE = 48.00000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/24/2017	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	13
CONTRACT NO. 66853				

ILLINOIS FED. AID PROJECT

DRAINAGE SCHEDULE

STRUCTURE NUMBER	STATION FROM	STATION TO	OFFSET	TYPE	LENGTH (FT)	RIM	RIM							
							N	NE	E	SE	S	SW	W	NW
1	109+28	109+64	44.76' RT	18" PIPE CULVERTS, CLASS D, TYPE 1, 2 END SECTIONS 18"	93	N/A			721.55				719.11	
2	57+76	58+28	31.28' LT	15" PIPE CULVERTS, CLASS D, TYPE 1, 2 END SECTIONS 15"	52	N/A			725.57				724.00	
	109+51		30.6' RT	MANHOLE TO BE ADJUSTED		722.67								
	57+80	58+19	LT	PIPE CULVERT REMOVAL (SPECIAL)	39.2	N/A								
	109+61	109+61	LT/RT	PIPE CULVERT REMOVAL (SPECIAL)	68.9	N/A								

RIPRAP SCHEDULE

STATION	SIDE	STONE RIPRAP, CLASS A3 (SQ YD)	STONE RIPRAP, CLASS A4 (SQ YD)
54+24	RT	24.7	
54+40	LT	20.0	
54+51	RT/LT		665.0
55+64	RT	19.4	
55+55	LT	24.7	
TOTALS		89	665.0

IMPACT ATTENUATOR SCHEDULE

STATION	OFFSET	STAGE	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 (EACH)	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 (EACH)	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 (EACH)
53+18	3.6' RT	STAGE 1		1	
55+97	3.5' LT	STAGE 1		1	
53+72	CL	STAGE 2			1
57+28	3.0' LT	STAGE 2			1
55+62	21' RT	FINAL CON.	1		
TOTAL			1	2	2

TRAFFIC CONTROL SCHEDULE

FROM STATION	TO STATION	SIDE	STAGE	TEMPORARY RAMP (SQ YD)	FROM STATION	TO STATION	SIDE	TEMPORARY CONCRETE BARRIER (FOOT)	RELOCATE TEMPORARY CONCRETE BARRIER (FOOT)	PINNING TEMPORARY CONCRETE BARRIER (EACH)
53+13	53+38	RT	1	51.68	51+29	58+52	LT	723		20
57+45	57+60	RT	1	36.27	52+56	57+64	RT		508	20
53+60	54+21	LT	2	110.04						
55+79	56+29	LT	2	92.23						
TOTAL				290	TOTAL			723	508	40

PAVEMENT SCHEDULE CONTINUED

FROM STATION	TO STATION	HOT-MIX ASPHALT SHOULDERS 6 1/2" (SQ YD)	AGGREGATE SHOULDERS TYPE B 6" (SQ YD)	PAVEMENT REMOVAL (SQ YD)	PAVED SHOULDER REMOVAL (SQ YD)	APPROACH SLAB REMOVAL (SQ YD)	HMA SURFACE REMOVAL - 1 1/2" (SQ YD)
51+00	54+31	172.14					
51+00	54+31	231.52					
51+00	53+15		116.37				
51+00	53+37		128.77				
51+00	54+21						937.92
54+21	54+28			21.51			
54+29	54+78				26.63		
54+31	54+78				23.21		
55+46	55+92				24.99		
55+46	109+10				64.03		
55+64	109+67	22.71					
55+69	58+50	152.10					
55+96	55+79			7.31			
55+96	58+50						903.91
56+58	57+80		64.99				
57+73	58+50				54.86		
58+24	58+50		11.74				
107+80	109+25		64.34				
107+80	109+25		49.79				
107+80	109+46						407.23
109+42	58+50				222.51		
109+67	58+50	200.92					
54+28	54+78					138.10	
55+46	55+96					145.93	
TOTAL		779.32	436.00	28.82	416.23	206.00	2249.36

GUARDRAIL SCHEDULE

LOCATION	GUARDRAIL REMOVAL (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED (EACH)	GUARDRAIL REFLECTORS (EACH)	TERMINAL MARKERS DIRECT APPLIED (EACH)	BARRIER WALL REFLECTORS, TYPE B (EACH)
SW QUADRANT	165	1	1	1	1	
NW QUADRANT	102	1	1	1	1	
SE QUADRANT	76					
NE QUADRANT	164	1	1	1	1	
SN 050-0257						6
TOTAL	507	3	3	3	3	6

FILE NAME = D366853-14-Schedule-2.dgn



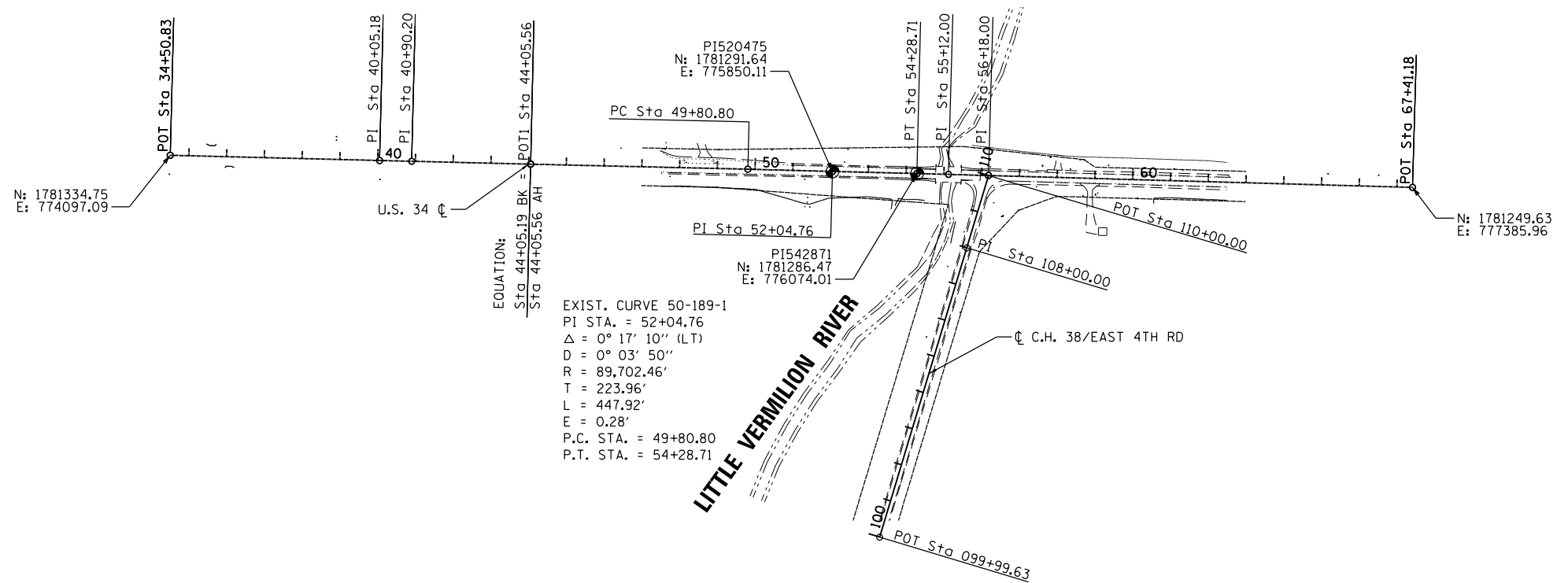
USER NAME = corcoranim	DESIGNED - JG	REVISED -
	DRAWN - JG	REVISED -
PLOT SCALE = 48.00000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/25/2017	DATE - 8/15/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

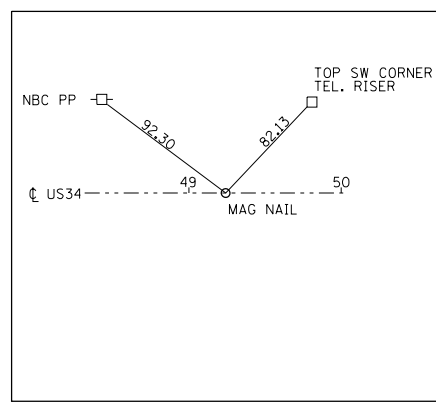
SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

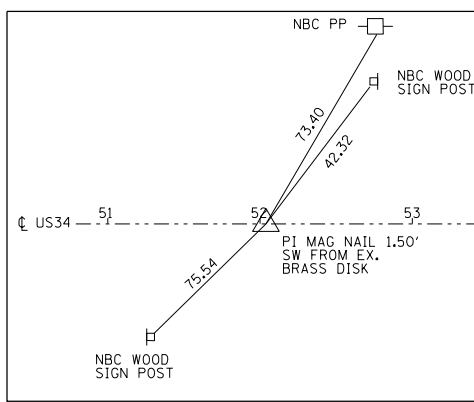
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	14
CONTRACT NO. 66853			ILLINOIS FED. AID PROJECT	



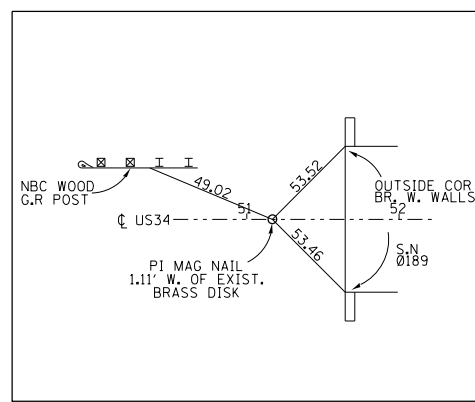
EXIST. CURVE 50-189-1
 PI STA. = 52+04.76
 $\Delta = 0^\circ 17' 10''$ (LT)
 $D = 0^\circ 03' 50''$
 $R = 89,702.46'$
 $T = 223.96'$
 $L = 447.92'$
 $E = 0.28'$
 P.C. STA. = 49+80.80
 P.T. STA. = 54+28.71



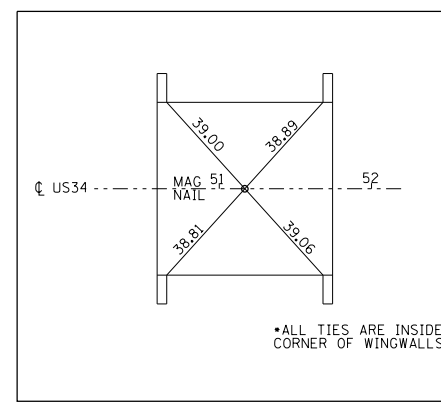
P.C. STA. 49 + 80.79



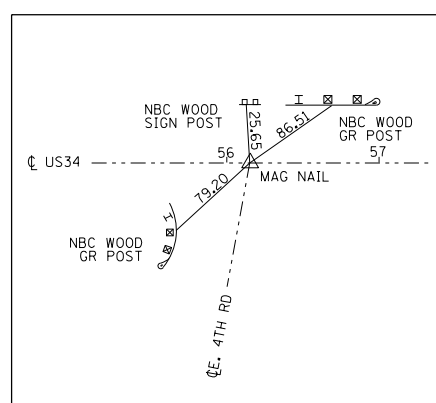
P.I. STA. 52 + 04.75 0.28RT



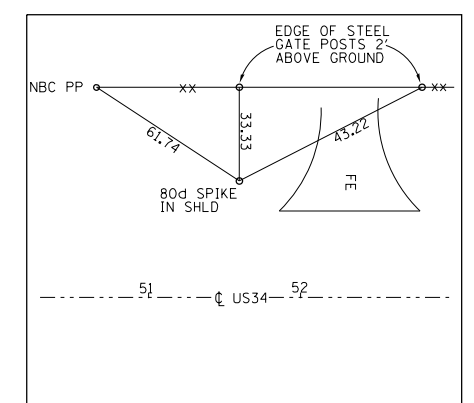
P.T. STA. 54 + 28.71



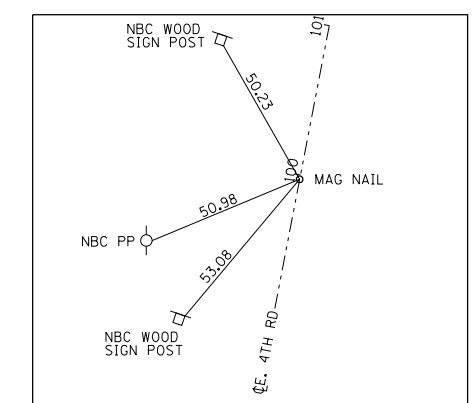
**P.O.T. STR # 189
STA. 55 + 12.00**



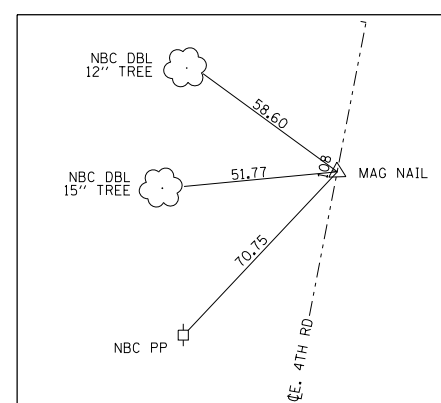
**P.I. STA. 56 + 18.00 (U.S. 34)
110 + 00.00 (E. 4TH RD)**



**CP 3450
STA. 56 + 86.59 26.32'LT**



P.O.T. STA. 99 + 99.63 (#1062)



P.I. STA. 108 + 00.00

US ROUTE 34		LOCATION: LITTLE VERMILION RIVER, 2.2 MILES EAST OF IL RTE. 251			LASALLE COUNTY
					CONTRACT NO. 66853
INDEX NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
PC498079	PC STA 49+80.79 OFF JOB LIMITS	MISSING	MAG NAIL	NO	2
PI520475	PI STA 52+04.75	MISSING	TYPE 1	NO	1
PT542871	PT STA 54+28.71	MISSING	TYPE 1	NO	1

PRE-CONSTRUCTION TIES BY THE R.E. ARE NOT REQUIRED. THE R.E. MUST TIE AND BRING TO THE ATTENTION OF THE PLATS AND PLANS MANAGER ANY ADDITIONAL UNLISTED MONUMENTS FOUND. UPON PAVING COMPLETION, THE R.E. WILL DIRECT THE PLATS AND PLANS MANAGER TO STAKE THE LOCATIONS FOR TYPE 1 MONUMENT CORING.

RESPONSIBILITY:
 1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)
 2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT.

FILE NAME = 4366853-15-A1B.dgn



USER NAME = lbozenius	DESIGNED -	REVISED -
PLOT SCALE = 400.0000' / in.	DRAWN - JG	REVISED -
PLOT DATE = 8/15/2017	CHECKED - DAZ	REVISED -
	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	15
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

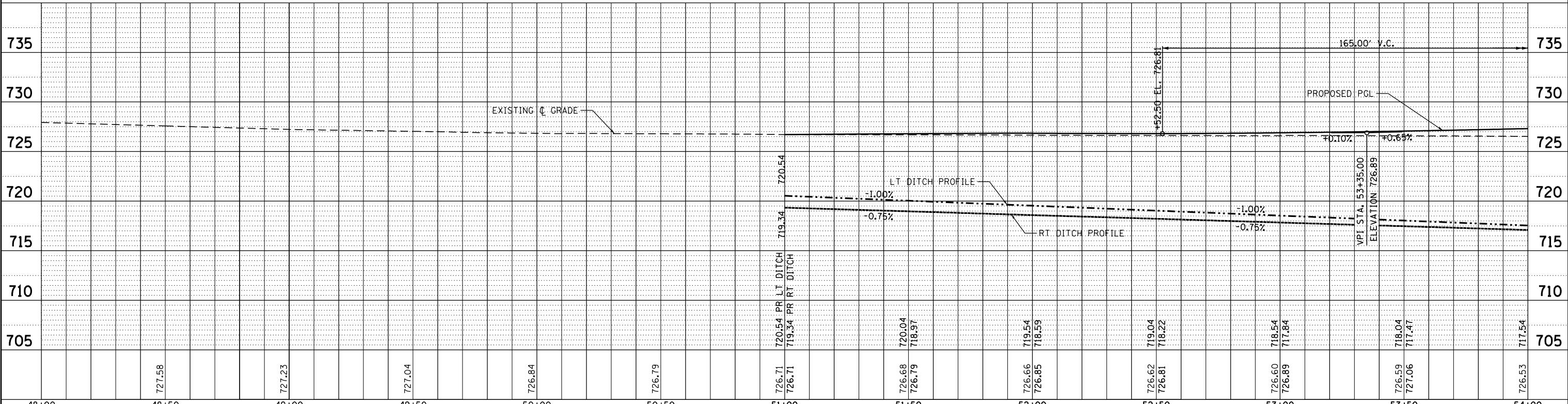
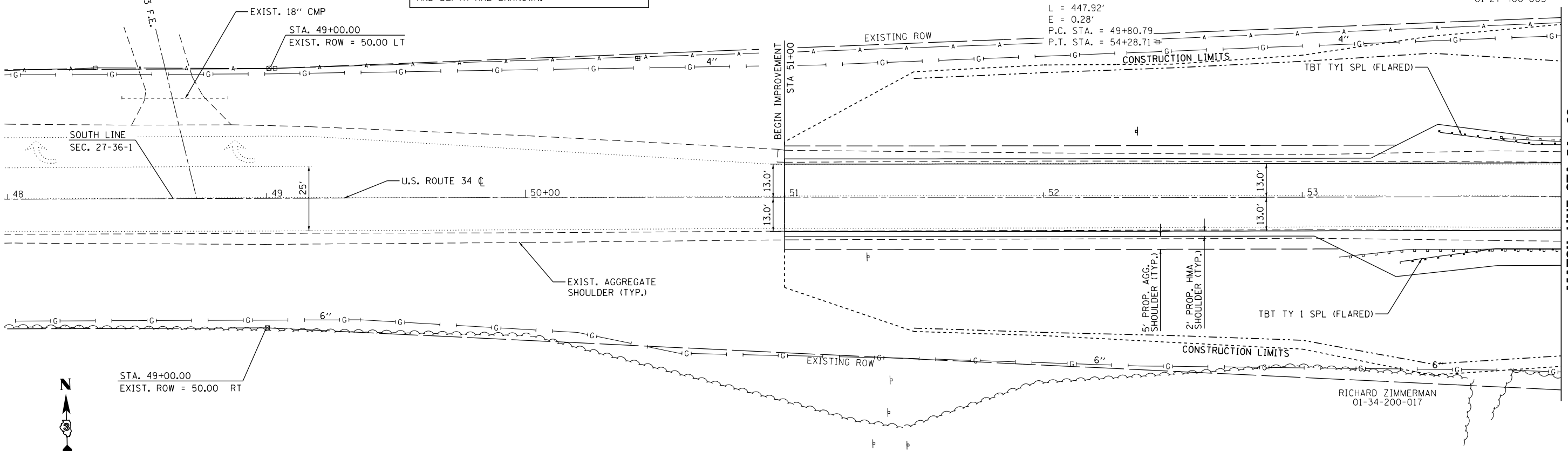
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	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

NOTE:
THERE IS FIBER OPTIC CABLE RUNNING ALONG THE NORTH SIDE OF THE ROAD. THE OFFSET AND DEPTH ARE UNKNOWN.

EXIST. CURVE 50-189-1
PI STA. = 52+04.75
 $\Delta = 0^\circ 17' 10''$ (LT)
 $D = 0^\circ 03' 50''$
 $R = 89,702.46'$
 $T = 223.96'$
 $L = 447.92'$
 $E = 0.28'$
P.C. STA. = 49+80.79
P.T. STA. = 54+28.71

DEL MONTE CORP.
01-27-400-005



48+00	48+50	49+00	49+50	50+00	50+50	51+00	51+50	52+00	52+50	53+00	53+50	54+00
	727.58	727.23	727.04	726.84	726.79	726.71	726.68	726.66	726.62	726.60	726.59	726.53
						720.54	720.04	719.54	719.04	718.54	718.04	717.54
						719.34	718.97	718.59	718.22	717.84	717.47	717.54



USER NAME = corcoranm	DESIGNED - LAB	REVISED -
	DRAWN - TS	REVISED -
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PLOT DATE = 8/25/2017	DATE - 08/15/17	REVISED -

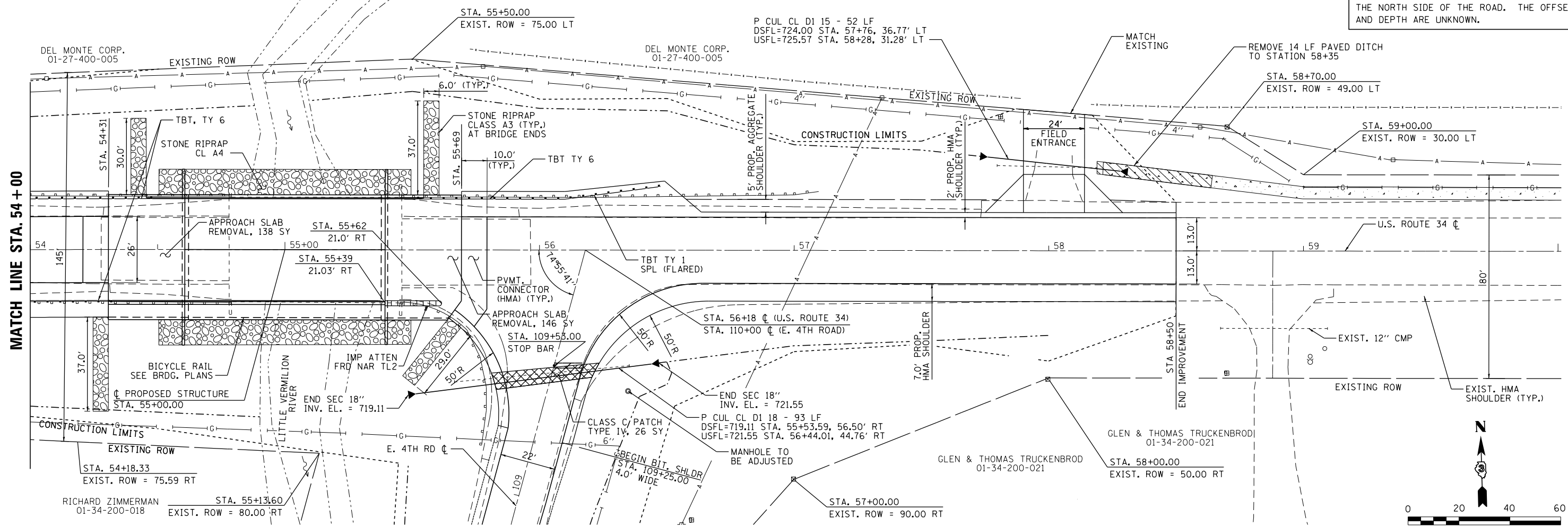
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34
PLAN & PROFILE

SCALE: 1" = 20" SHEET 1 OF 3 SHEETS STA. 47+99.00 TO STA. 54+00.00

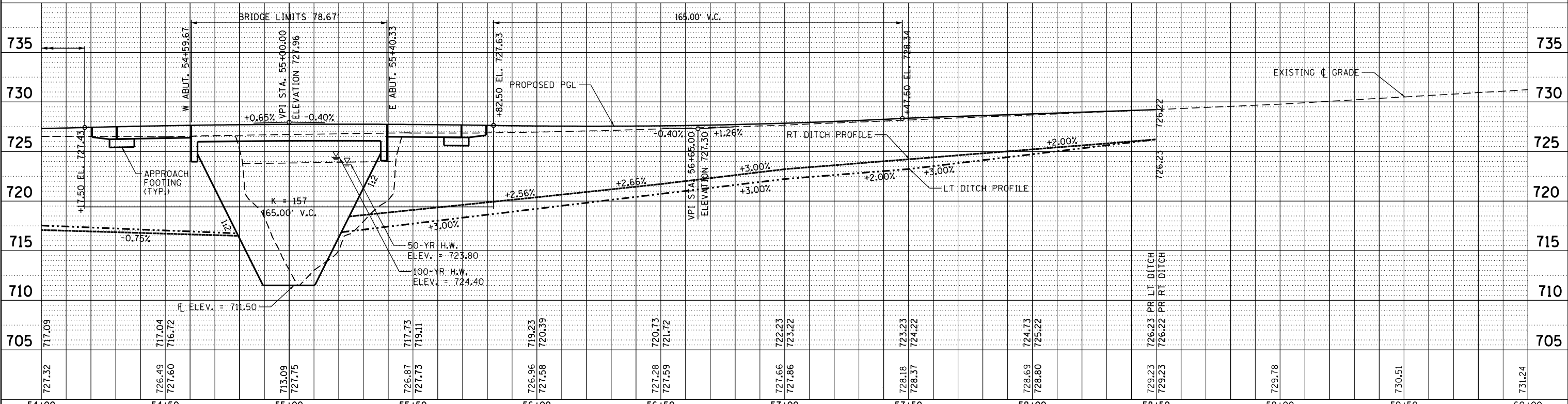
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	16
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

NOTE:
THERE IS FIBER OPTIC CABLE RUNNING ALONG THE NORTH SIDE OF THE ROAD. THE OFFSET AND DEPTH ARE UNKNOWN.



PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOTATIONS	
	CHPND	
	NO.	



727.32	717.09	726.49	717.04	727.60	716.72	713.09	727.75	726.87	717.73	719.11	726.96	719.23	720.39	727.58	727.73	727.59	721.72	727.28	720.73	722.23	723.22	727.66	727.86	728.18	723.23	724.22	728.37	728.69	728.80	729.23	726.23	729.23	729.78	730.51	731.24
54+00	54+50	55+00	55+50	56+00	56+50	57+00	57+50	58+00	58+50	59+00	59+50	60+00																							



USER NAME = corcoranim	DESIGNED - LAB	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/25/2017	DATE - 08/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

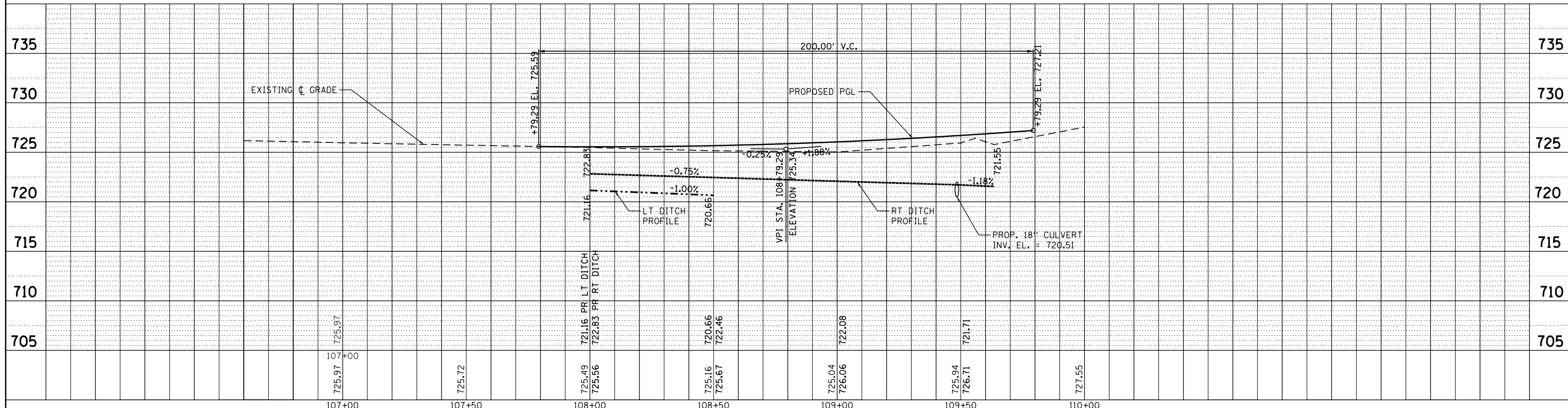
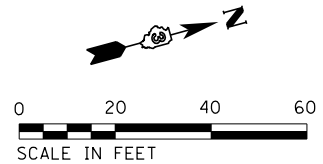
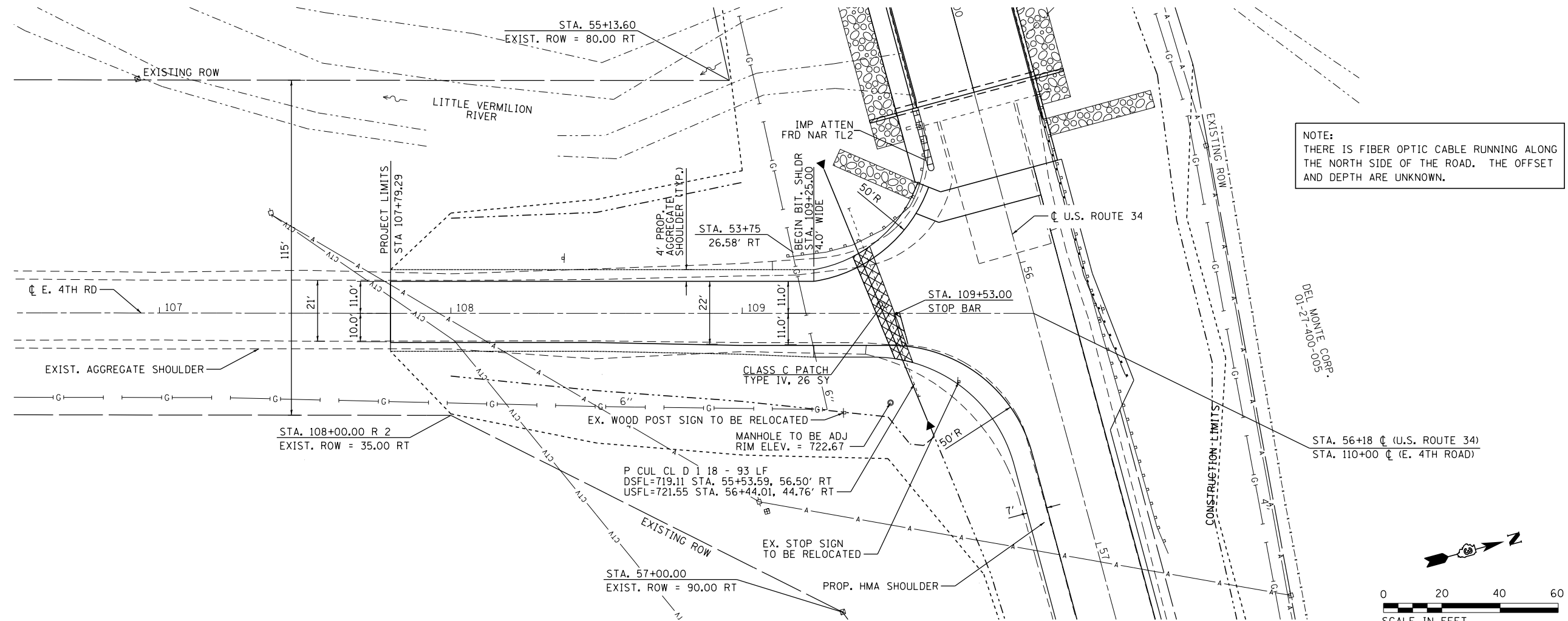
U.S. ROUTE 34
PLAN & PROFILE

SCALE: 1" = 20" SHEET 2 OF 3 SHEETS STA. 54+00.00 TO STA. 60+01.00

F.A.P. RTE. 587	SECTION (20)BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 17
CONTRACT NO. 66853				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CADD FILE NAME	



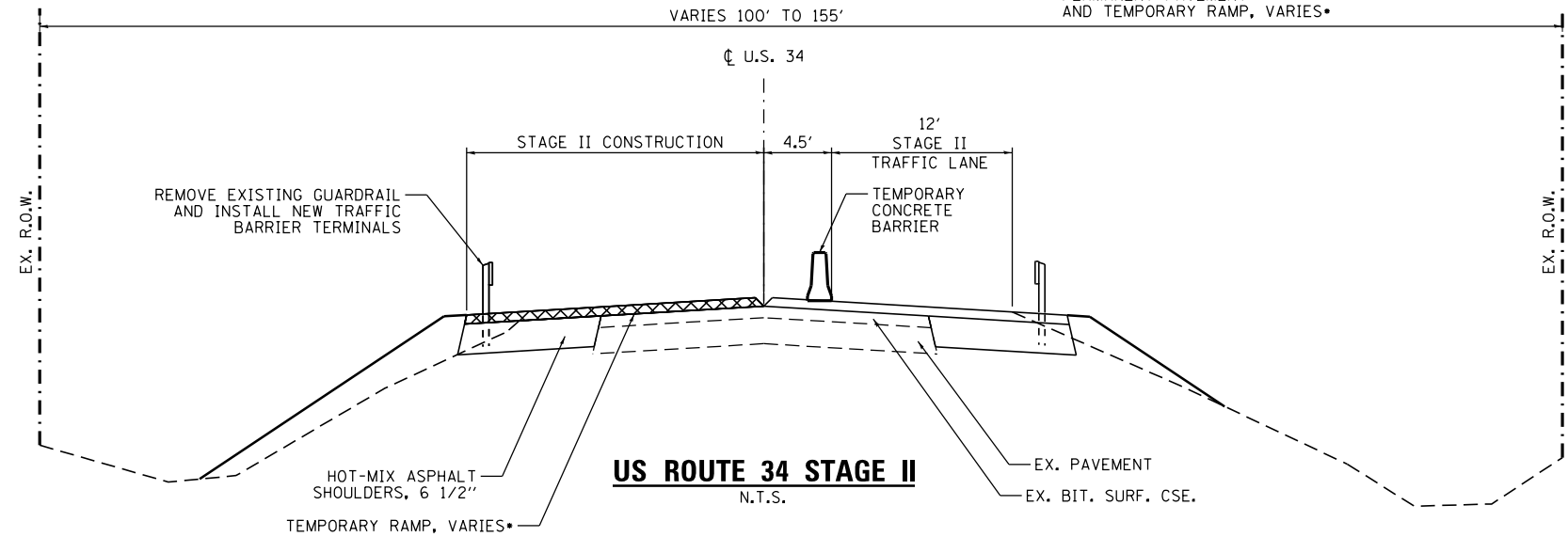
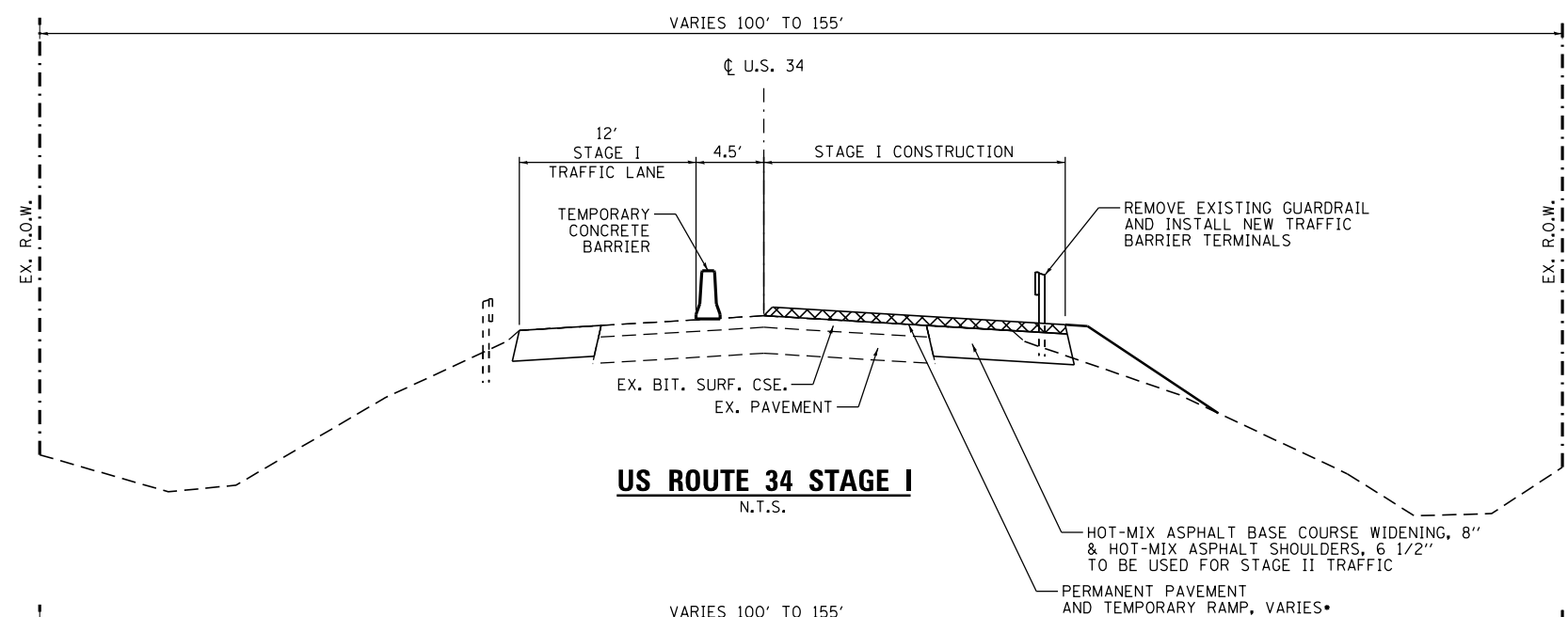
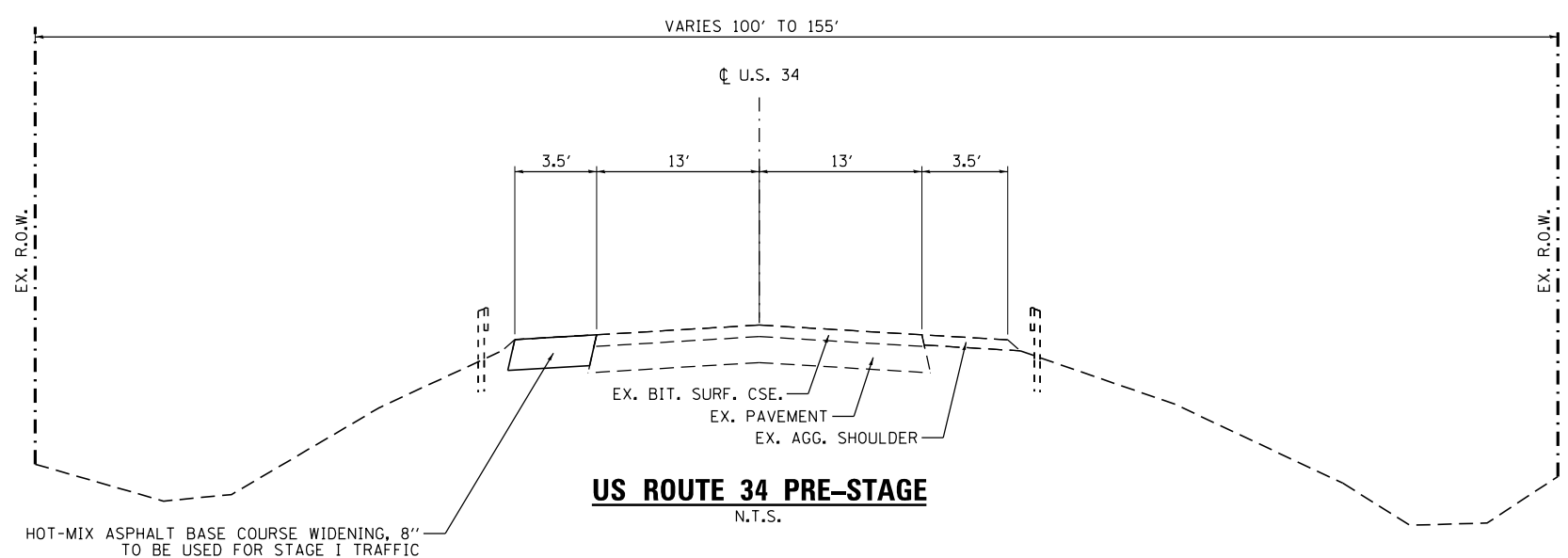
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	DRAWN - TS	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/25/2017	DATE - 08/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

C.H. 38 / EAST 4TH RD
PLAN & PROFILE

SCALE: 1" = 20" SHEET 3 OF 3 SHEETS STA. 106+50.00 TO STA. 110+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	18
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				



PRE-STAGE CONSTRUCTION NOTES

1. INSTALL TRAFFIC CONTROL PER STANDARD 701326.
2. CONSTRUCT HMA BASE COURSE, 8" TO BE USED FOR STAGE I TRAFFIC.

STAGE I CONSTRUCTION NOTES

1. INSTALL TRAFFIC SIGNALS, TEMPORARY CONCRETE BARRIER, SIGNS, ETC. ACCORDING TO DETAILS AND TRAFFIC CONTROL STANDARD 701321 MAINTAINING ALL TRAFFIC ON THE WESTBOUND LANE.
2. REMOVE STAGE I PORTION OF THE EXISTING BRIDGE STRUCTURE, EASTBOUND GUARDRAIL AND PAVEMENT AS SHOWN ON THE PLANS.
3. CONSTRUCT THE STAGE I PORTION OF THE PROPOSED STRUCTURE, APPROACH PAVEMENT, AND CULVERT, INCLUDING PAVEMENT REMOVAL AND REPLACEMENT ON US 34 AND CH 38 AS SHOWN ON THE TRAFFIC CONTROL PLAN.
4. INSTALL PROPOSED EASTBOUND TRAFFIC BARRIER TERMINAL ASSEMBLIES.
5. CONSTRUCT HMA BASE COURSE FOR PORTION OF SHOULDERS UNDER STAGE II TRAFFIC AS SHOWN ON NEXT SHEET.

STAGE II CONSTRUCTION NOTES

1. RELOCATE THE TRAFFIC CONTROL PER STANDARD 701321 AND AS DETAILED IN THESE PLANS REDIRECT TRAFFIC TO THE EASTBOUND LANE.
2. REMOVE THE STAGE II PORTION OF THE EXISTING BRIDGE STRUCTURE, GUARDRAIL AND PAVEMENT AS SHOWN ON THE PLANS.
3. CONSTRUCT THE WESTBOUND STAGE II PORTION OF THE PROPOSED STRUCTURE, APPROACH PAVEMENT, AND TRAFFIC BARRIER TERMINALS.

POST-STAGE II CONSTRUCTION

1. PERFORM REMAINING GRADING WORK AND PAVEMENT GRADE CHANGE USING LEVELING BINDER, BINDER, AND SURFACE COURSES.*
2. INSTALL STABILIZED SHOULDER, REMOVE EXISTING GUARDRAIL AND APPROACH AND DEPARTING TRAFFIC BARRIER TERMINALS.
3. PLACE PAVEMENT MARKINGS AND ALL REMAINING WORK USING STANDARD 701201.
4. REMOVE TRAFFIC SIGNALS, SIGNAGE, ETC. CALLED FOR IN STANDARD 701321.

NOTES:

A MAXIMUM 2" DROP-OFF IS ALLOWED BETWEEN OPEN LANES AT THE END OF EACH DAY.
 * USE LEVELING BINDER (MM), N70 WHEN THICKNESS IS 3/4" TO 2 1/4".
 USE HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 WHEN THICKNESS IS GREATER THAN 2 1/4"

FILE NAME = 4366853-1h-Stageing-1.dgn

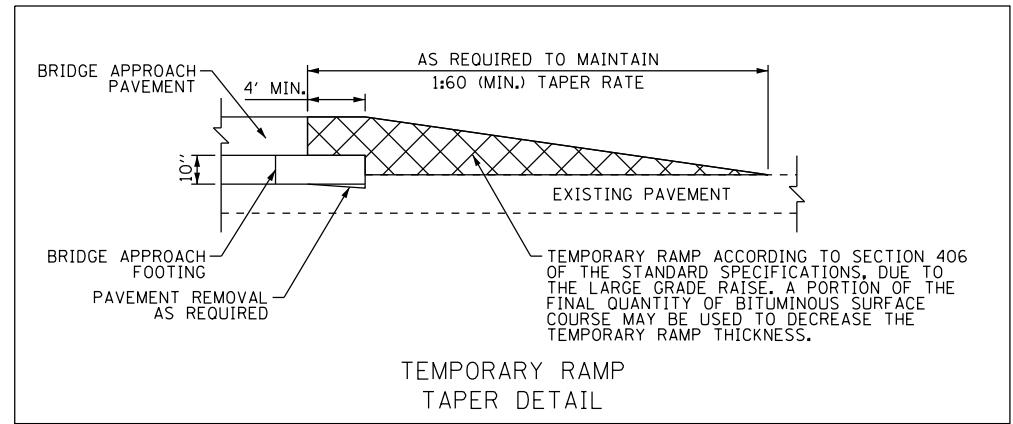
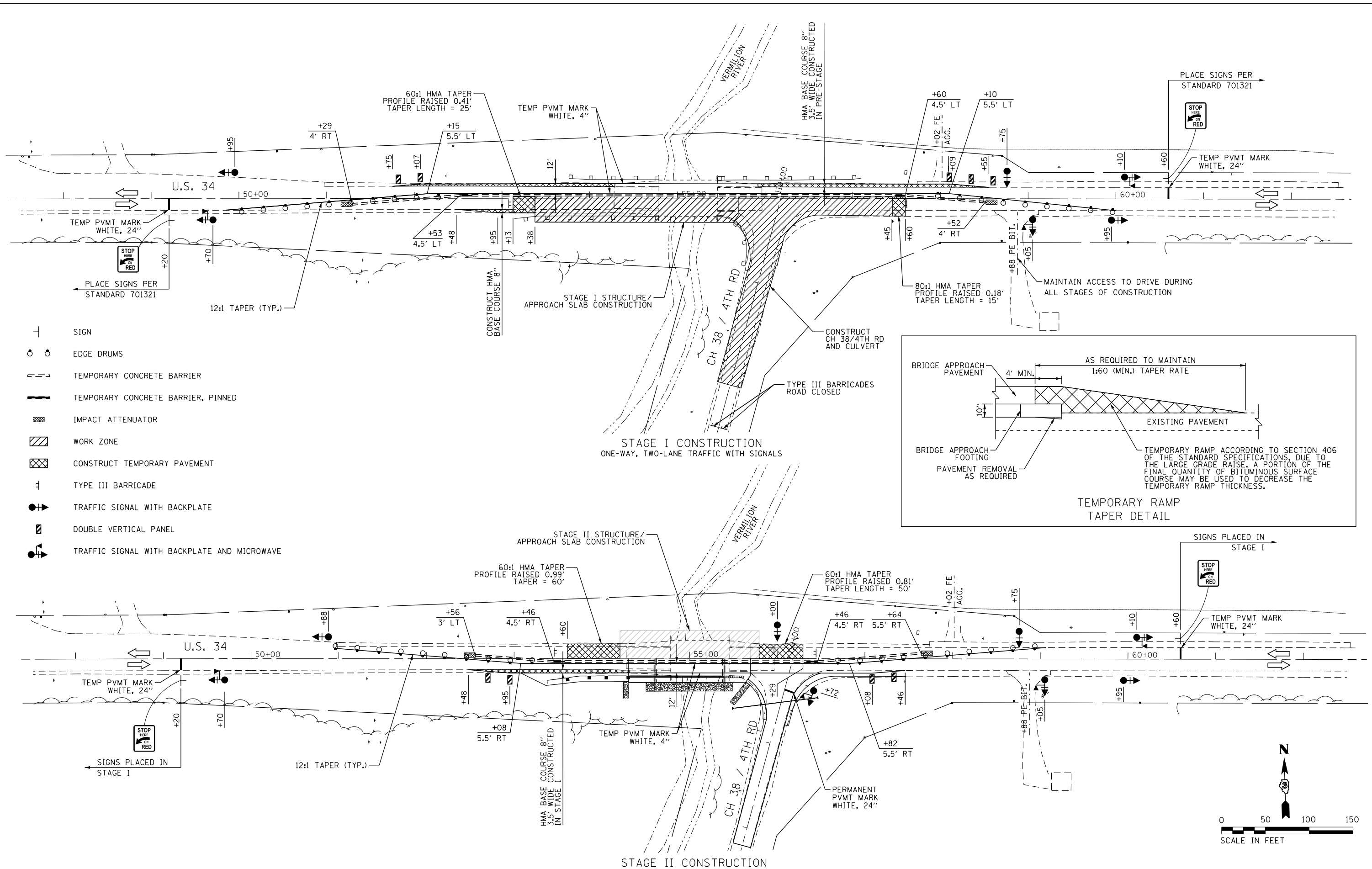


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	DRAWN - HL	REVISED -
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PLOT DATE = 8/25/2017	DATE - 8/15/17	REVISED -

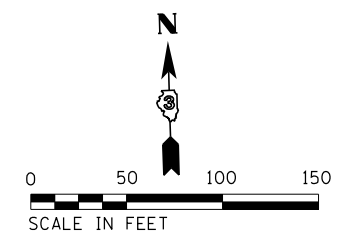
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE CONSTRUCTION TRAFFIC CONTROL TYPICAL SECTIONS	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	19
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				



- ⊥ SIGN
- ○ EDGE DRUMS
- TEMPORARY CONCRETE BARRIER
- TEMPORARY CONCRETE BARRIER, PINNED
- ▨ IMPACT ATTENUATOR
- ▨ WORK ZONE
- ▨ CONSTRUCT TEMPORARY PAVEMENT
- ⊥ TYPE III BARRICADE
- → TRAFFIC SIGNAL WITH BACKPLATE
- ▨ DOUBLE VERTICAL PANEL
- → TRAFFIC SIGNAL WITH BACKPLATE AND MICROWAVE



FILE NAME = 4366853-20-5.taimg-2.dgn



USER NAME = corcoranm	DESIGNED - LAB	REVISED -
PLOT SCALE = 100.0000' / 1in.	DRAWN - HL	REVISED -
PLOT DATE = 8/25/2017	CHECKED - CT	REVISED -
	DATE - 8/15/17	REVISED -





**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

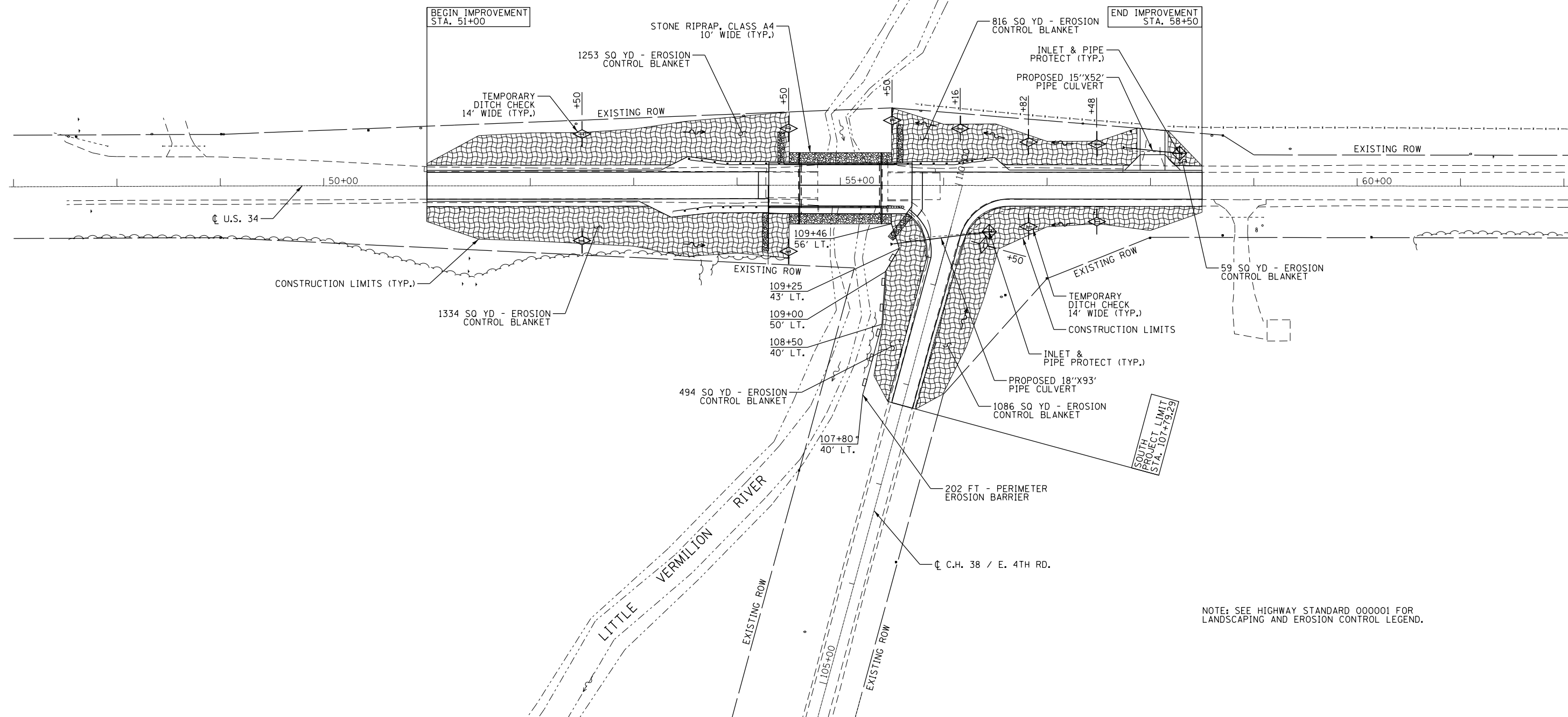
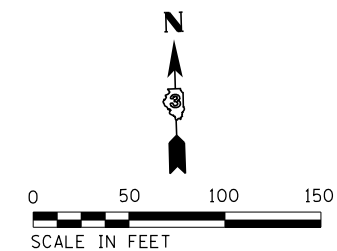
**STAGE CONSTRUCTION
TRAFFIC CONTROL PLAN**

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

F.A.P. RTE. 587	SECTION (20)BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 20
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  EROSION CONTROL BLANKET



NOTE: SEE HIGHWAY STANDARD 000001 FOR LANDSCAPING AND EROSION CONTROL LEGEND.

FILE NAME = d366853-21-Er-0a.dgn



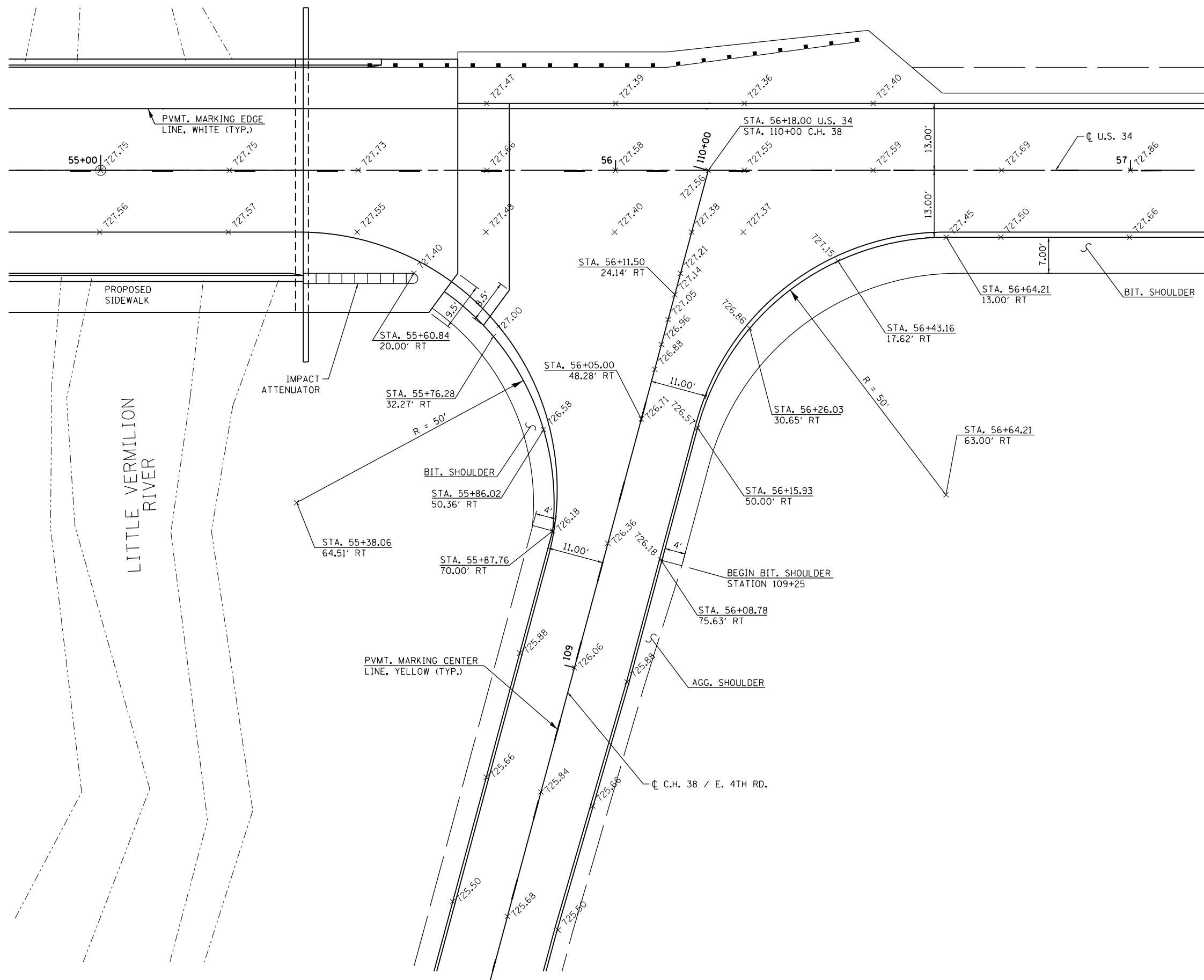
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	DRAWN - LAB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/25/2017	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 51+00.00 TO STA. 58+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	21
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				



FILE NAME = 4366853-22-Intersec.dgn



USER NAME = Ibolzenius	DESIGNED - LAB	REVISED -
	DRAWN - LAB	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/15/2017	DATE - 8/15/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION DETAILS	
SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS
STA. 54+83.48	TO STA. 57+12.46

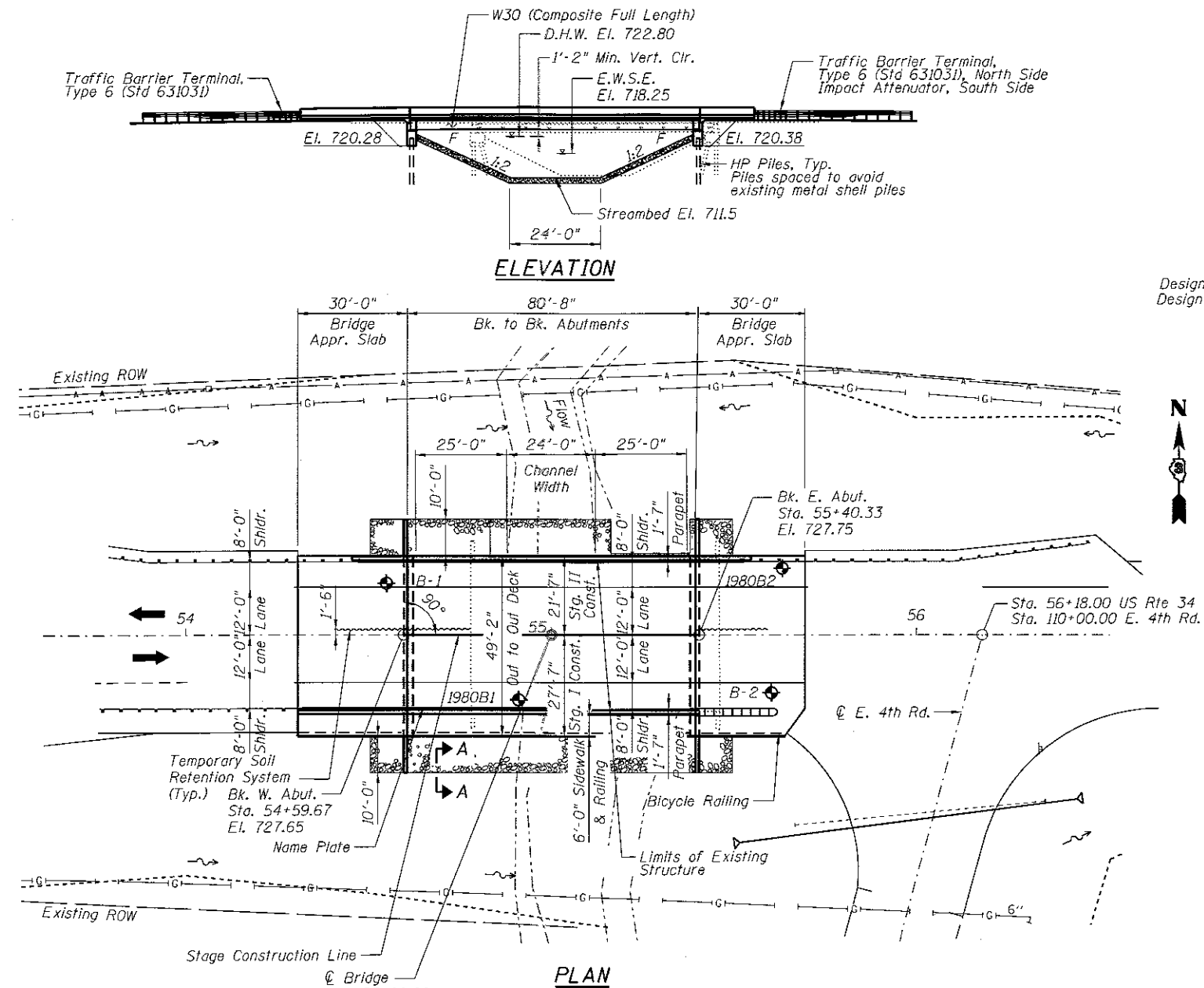
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	22
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

BENCHMARK: Top of concrete R.O.W. marker at southeast corner of Rte. 34 and E. 4th Rd. Sta. ±57+00, 90' Rt., El. 730.086

EXISTING STRUCTURE: Structure number 050-0189 was originally constructed at Sta. 55+12.00 in 1981 as FA Route 587 (US 34) Section (20,20X) RW & RS, 20 BR. It is a single span precast, prestressed concrete deck beam bridge on open pile bent abutments. The length of the structure is 69'-0" from back to back of the abutments. The clear width is 40'-4" face to face of the railing.

Existing structure to be removed and replaced. One lane of traffic to be maintained by stage construction.

No salvage.



LOADING HL-93

Allow 50#/sq. ft. for future wearing surface

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications with 2013 Interims

DESIGN STRESSES

FIELD UNITS

$f_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

LIVE LOAD DEFLECTION

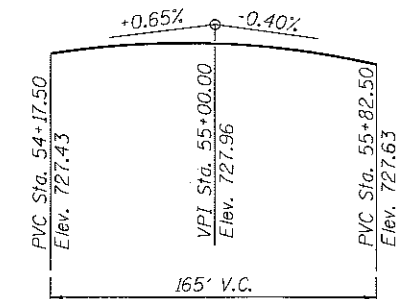
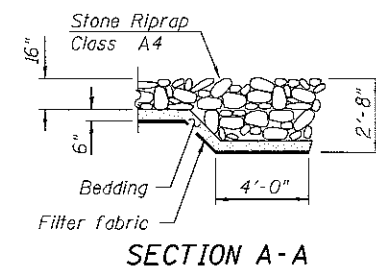
$\Delta LL + I < \text{Span}/1000$

SEISMIC DATA

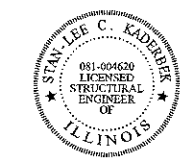
Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration @ 1.0 sec (SD1) = 0.066
 Design Spectral Acceleration @ 0.2 sec (SDS) = 0.120
 Soil Site Class = C

INDEX OF DRAWINGS

- S-1. General Plan & Elevation
- S-2. General Data
- S-3. Stage Construction
- S-4. Temporary Concrete Barrier for Stage Construction
- S-5. Top of Slab Elevations 1
- S-6. Top of Slab Elevations 2
- S-7. West Approach Top of Slab Elevations
- S-8. East Approach Top of Slab Elevations
- S-9. Superstructure
- S-10. Superstructure Details
- S-11. Diaphragm Details
- S-12. Bicycle and Parapet Railing
- S-13. West Bridge Approach Slab Details 1
- S-14. West Bridge Approach Slab Details 2
- S-15. East Bridge Approach Slab Details 1
- S-16. East Bridge Approach Slab Details 2
- S-17. Framing Plan
- S-18. Structural Steel Details
- S-19. West Abutment
- S-20. East Abutment
- S-21. Bar Splicer Assembly and Mechanical Splicer Details
- S-22. HP Pile Details
- S-23. Boring Logs 1
- S-24. Boring Logs 2
- S-25. Boring Logs 3



APPROVED
 For Structural Adequacy Only
[Signature]
 Engineer of Bridges & Structures



[Signature]
 Signature
 August 15, 2017
 Date
 November 30, 2018
 Expires

WATERWAY INFORMATION

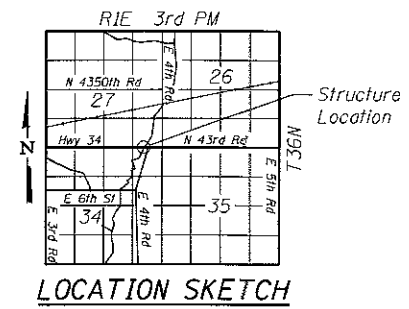
Drainage Area = 9.1 sq. mi. Exist. Low Grade Elev. = 726.36 @ Sta. 54+40
 Prop. Low Grade Elev. = 726.39 @ Sta. 53+50

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Hydraulic Design	10	1730	361	508	721.8	0.5	0.4	722.3	722.4
Base	50	2890	425	585	722.8	1.1	0.9	724.0	723.8
Scour Design	100	3420	450	614	723.2	1.5	1.2	724.7	724.4
Ex. Overtopping	200	3995	473	642	723.6	2.1	1.4	725.7	725.0
Max. Calc.	334	4390	484	668	723.9	2.5	1.6	726.6	725.6
	500	4740	484	668	724.1	2.8	1.7	726.8	725.7

10-Year Velocity through Existing Bridge = 5.0 fps
 10-Year Velocity through Proposed Bridge = 3.2 fps

DESIGN SCOUR ELEVATION TABLE

	W. Abut.	E. Abut.
	720.3	720.4

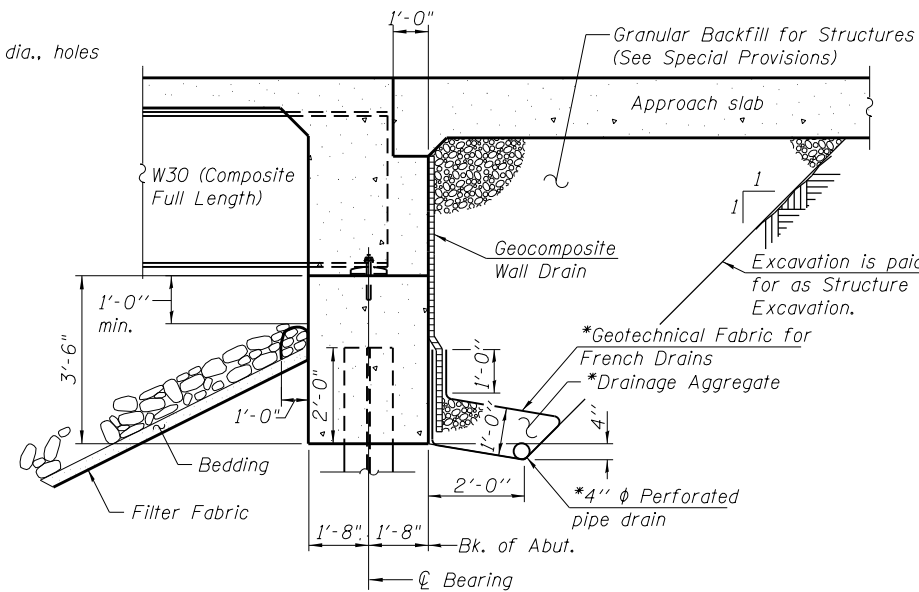


GENERAL PLAN & ELEVATION
US RTE. 34 OVER LITTLE VERMILION RIVER
FAP 587 (US 34) SECTION (20) BR
LA SALLE COUNTY
STA. 55+00.00
STRUCTURE NO. 050-0257

	USER NAME =	DESIGNED - LAS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION STRUCTURE NO. 050-0257	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - PMM	REVISED			587	(20)BR	LASALLE	69	23
	PLOT DATE =	DRAWN - TCS	REVISED			CONTRACT NO. 66853				
		CHECKED - 08/15/2017	REVISED			SCALE:	SHEET 5-1 OF 5-25 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

GENERAL NOTES

- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4 in. dia., holes 5/16 in. dia., unless otherwise noted.
- Calculated weight of structural steel = 7,220 pounds (Grade 36) and 105,620 pounds (Grade 50).
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- The Organic Zinc Rich Primer/Epoxy/Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of the exterior surface and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Slipforming of the parapets is not allowed.
- The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.



SECTION THRU INTEGRAL ABUTMENT

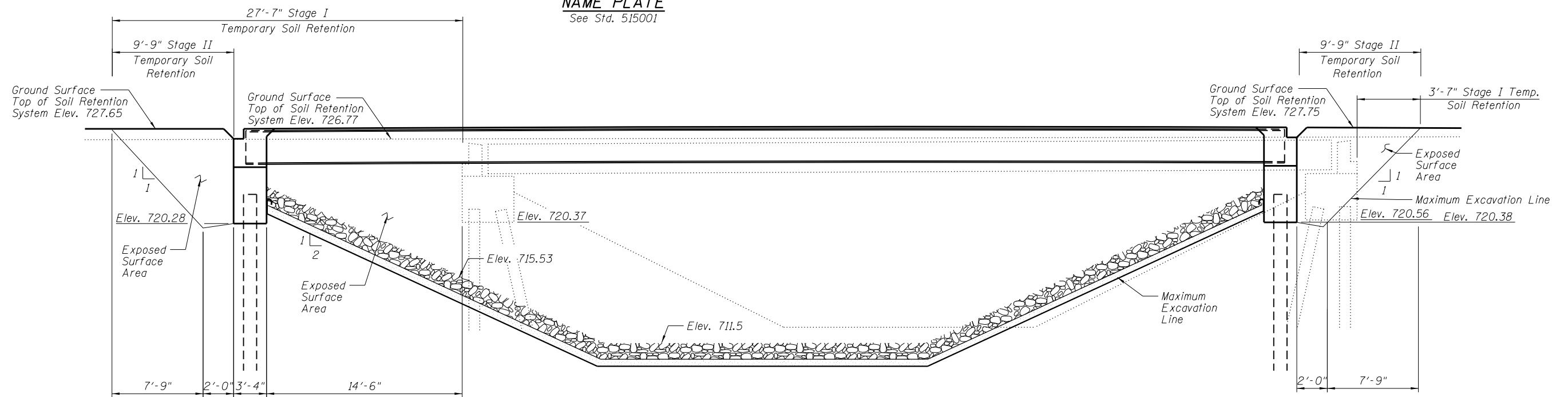
*Included in the cost of Pipe Underdrain for Structures 4"
 All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101.)

STATION 55+00
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P. RTE. 587 SEC. (20)BR
 LOADING HL-93
 STRUCTURE NO. 050-0257

NAME PLATE
 See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.	-	665	665
Filter Fabric	Sq. Yd.	-	665	665
Removal of Existing Structures	Each	-	-	1
Structure Excavation	Cu. Yd.	-	134	134
Concrete Structures	Cu. Yd.	-	84.5	84.5
Concrete Superstructure	Cu. Yd.	158.7	-	158.7
Bridge Deck Grooving	Sq. Yd.	585	-	585
Protective Coat	Sq. Yd.	710	-	710
Concrete Superstructure (Approach Slab)	Cu. Yd.	144.6	-	144.6
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	2,709	-	2,709
Reinforcement Bars, Epoxy Coated	Pound	65,920	16,720	82,630
Bar Splicers	Each	420	124	544
Bicycle Railing	Foot	133	-	133
Parapet Railing	Foot	109	-	109
Furnishing Steel Piles, HP14x73	Foot	-	834	834
Driving Piles	Foot	-	834	834
Test Pile Steel HP14x73	Each	-	2	2
Name Plates	Each	1	-	1
Anchor Bolts, 1"	Each	28	-	28
Geocomposite Wall Drain	Sq. Yd.	-	92	92
Granular Backfill for Structures	Cu. Yd.	-	150	150
Asbestos Bearing Pad Removal	Each	13	-	13
Pipe Underdrains for Structures 4"	Foot	-	182	182
Temporary Soil Retention System	Sq. Ft.	-	317	317



TEMPORARY SOIL RETENTION SYSTEM

(Looking North)

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

FILE NAME = F:\2015\0566_I001.D3_Various Phase II (PTB 14518)M012.13 & 14\0566-01 IUS_34 cover Vermin11tech\04-CADD\0366053-37-gen05a.dgn



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PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE =	CHECKED - 08/15/2017	REVISED

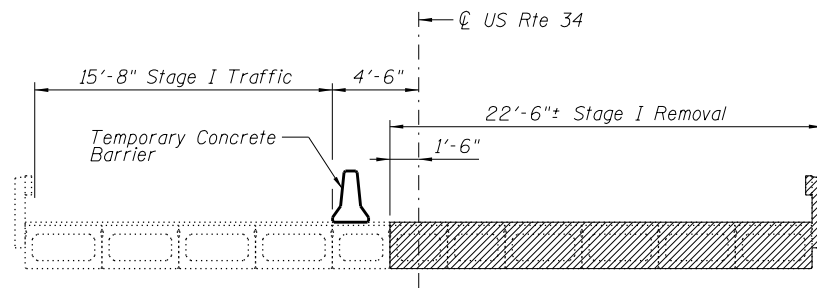
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL DATA
 STRUCTURE NO. 050-0257

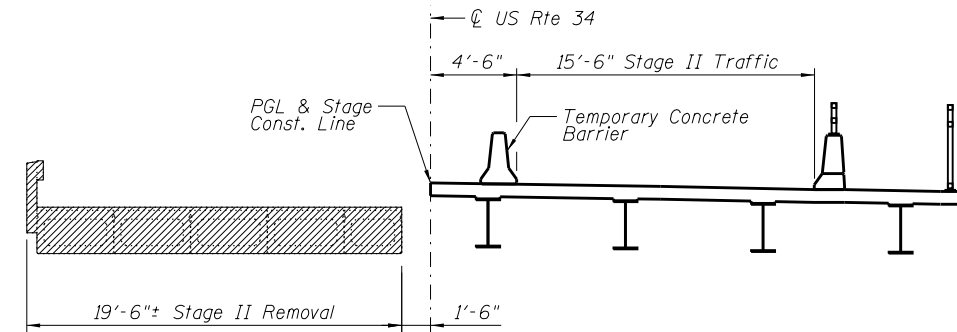
SCALE: SHEET S-2 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE. 587	SECTION (20)BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 24
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

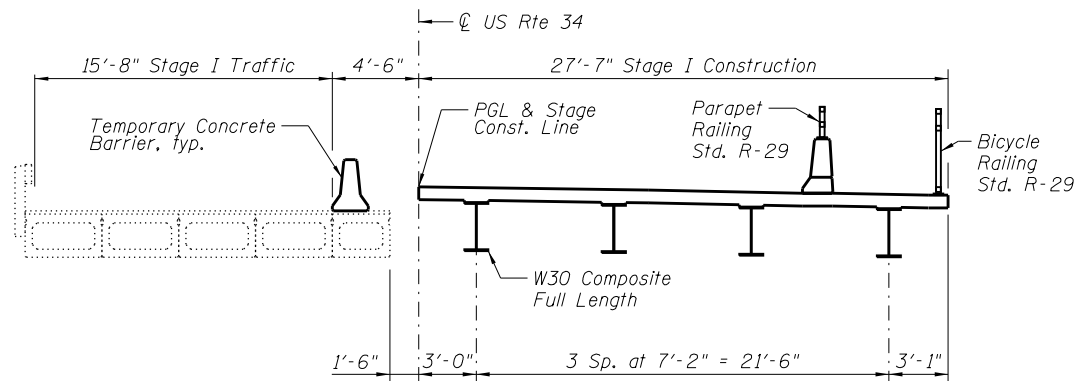
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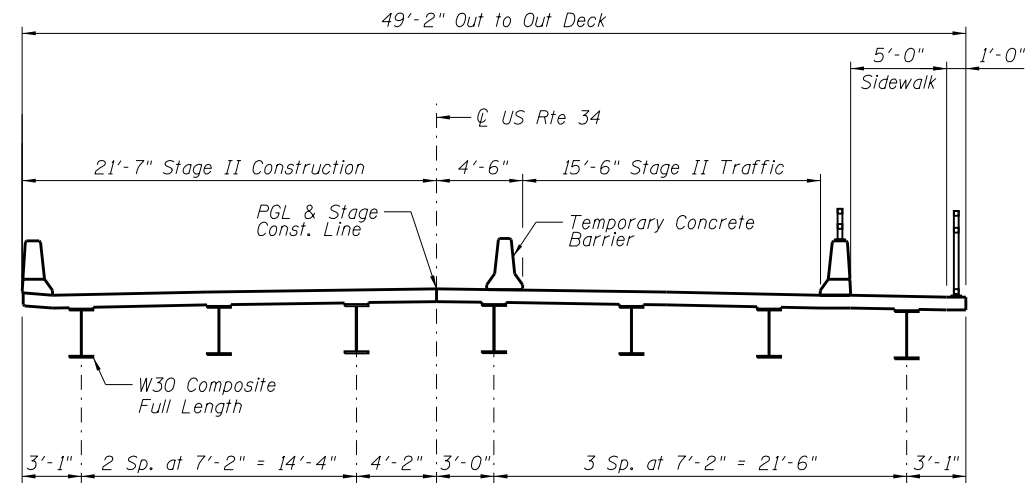
STAGE I REMOVAL
(Looking East)



STAGE II REMOVAL
(Looking East)



STAGE I CONSTRUCTION
(Looking East)



STAGE II CONSTRUCTION
(Looking East)

Notes:

Hatched areas indicate removal of existing structures.

For quantity of temporary concrete barrier, see Roadway Plans.

For details of temporary concrete barrier, see Sheet S-4.



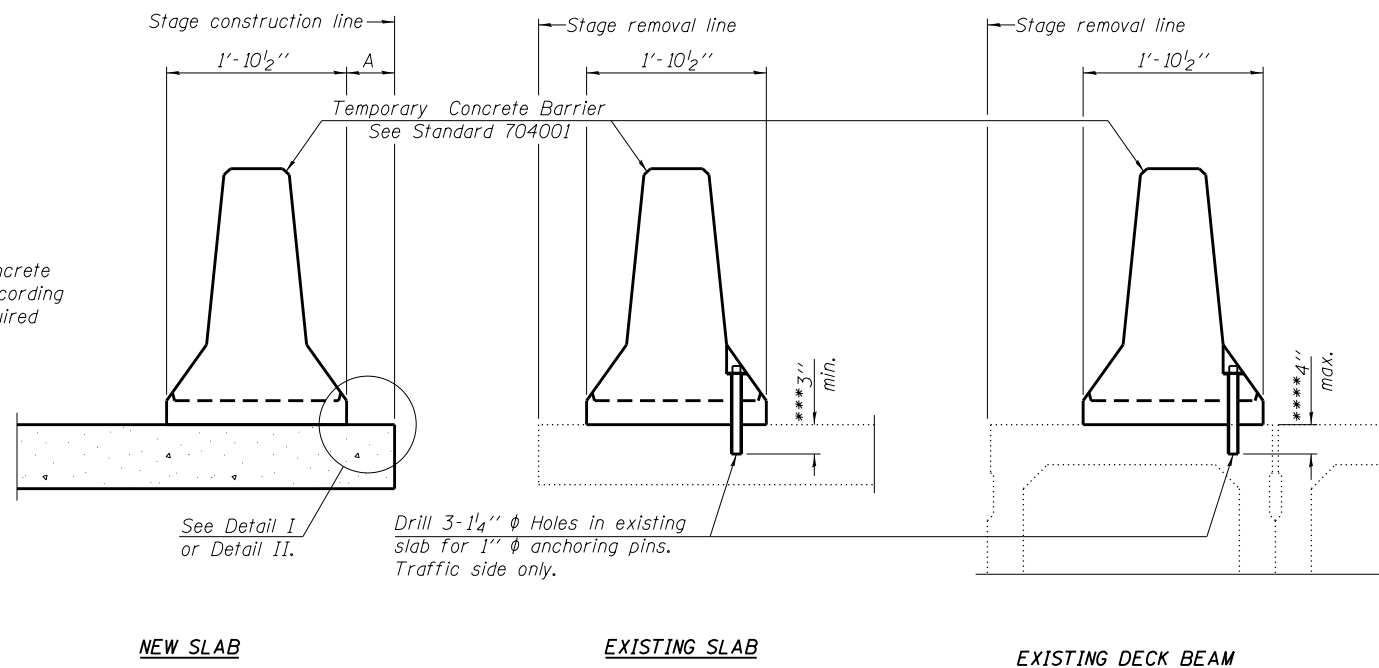
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PLOT DATE =	CHECKED - 08/15/2017	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE CONSTRUCTION STRUCTURE NO. 050-0257	
SCALE:	SHEET S-3 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	25
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

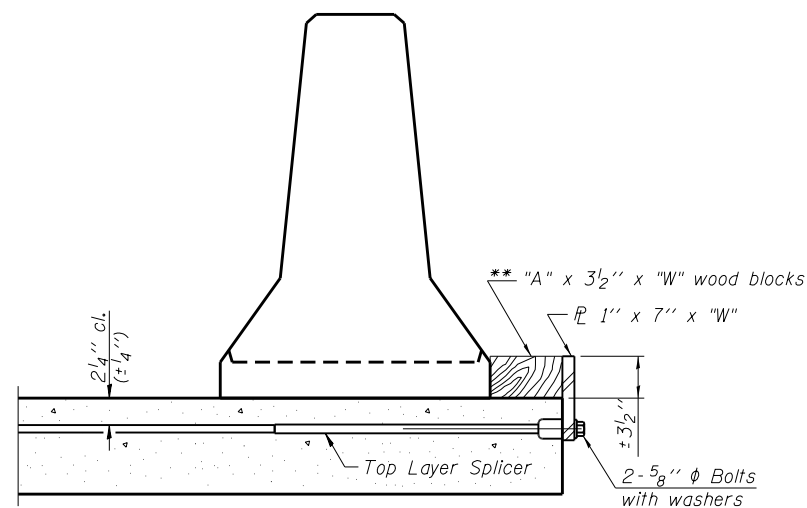
When "A" is 3'-1" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-1".



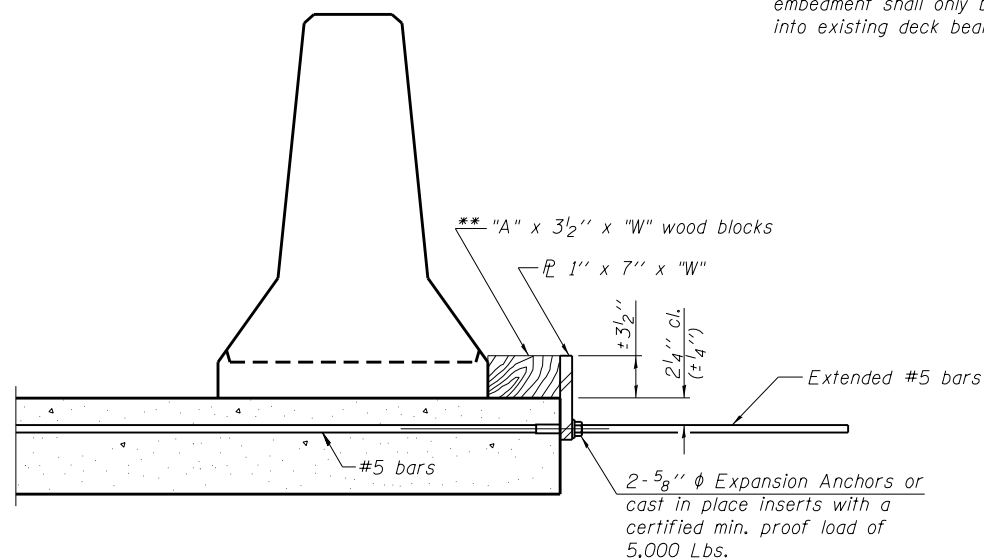
SECTIONS THRU SLAB OR DECK BEAM

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

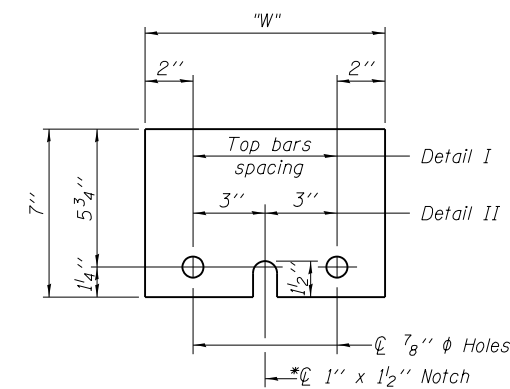
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER PLATE 1" x 7" x "W"

* Required only with Detail II

RETAINER ASSEMBLY

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

R-27

1-12-15

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PLOT DATE =	CHECKED - 08/15/2017	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

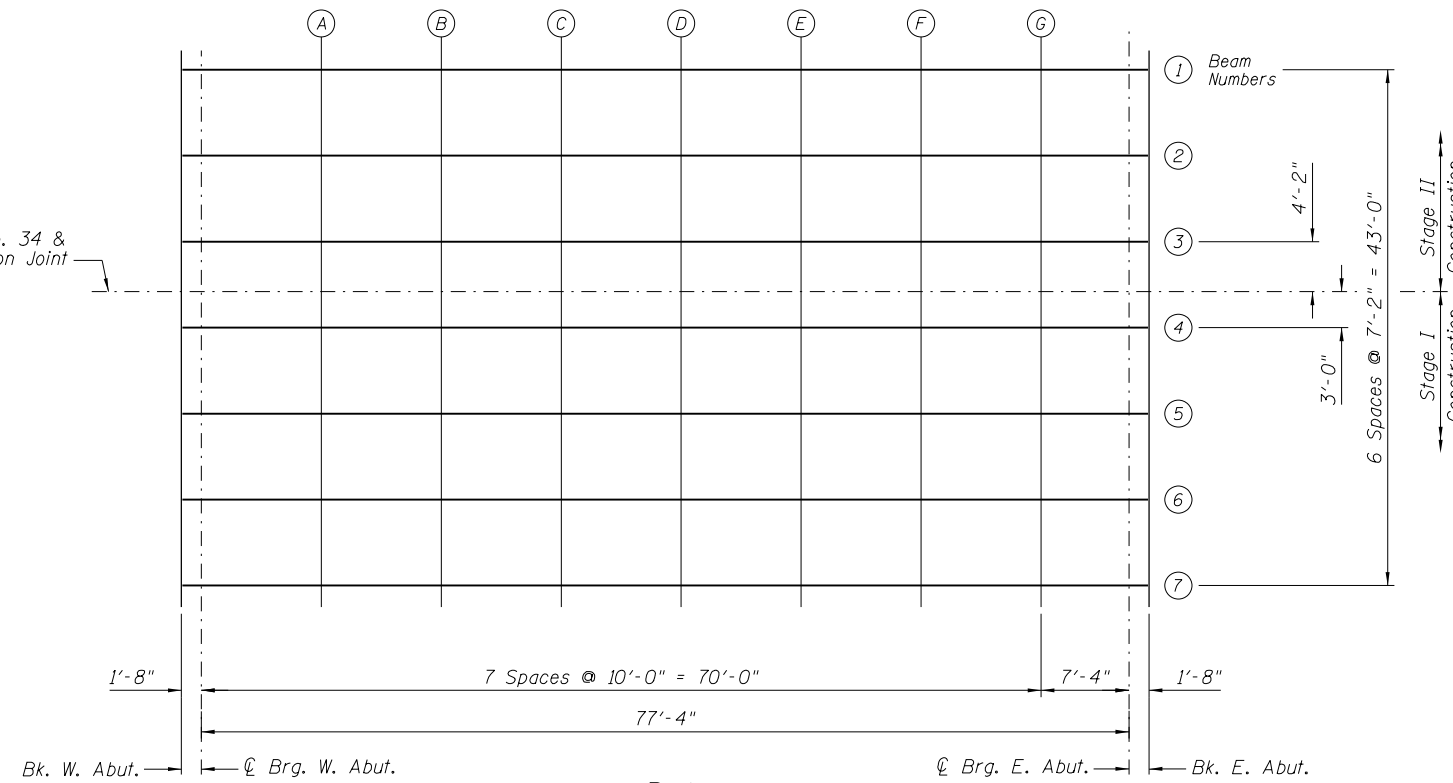
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 050-0257

SCALE: SHEET S-4 OF S-25 SHEETS STA. TO STA.

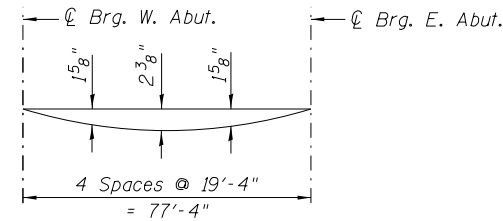
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	26
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				



☉ & PGL US Rte. 34 &
Stage Construction Joint



PLAN

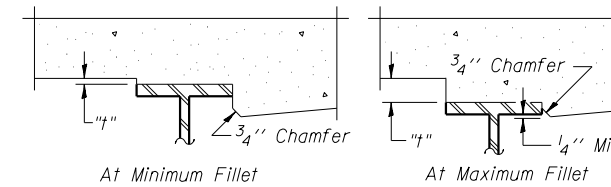


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheet S-6.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheet S-6, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

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USER NAME =	DESIGNED - LAS	REVISED
	CHECKED - PMM	REVISED
PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE =	CHECKED - 08/15/2017	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS 1
STRUCTURE NO. 050-0257**

SCALE: SHEET S-5 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	27
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	54+59.67	-18.50	727.34	727.34
⊕ Brg. W. Abut.	54+61.33	-18.50	727.34	727.34
A	54+71.33	-18.50	727.38	727.46
B	54+81.33	-18.50	727.41	727.55
C	54+91.33	-18.50	727.43	727.61
D	55+01.33	-18.50	727.44	727.64
E	55+11.33	-18.50	727.45	727.62
F	55+21.33	-18.50	727.45	727.58
G	55+31.33	-18.50	727.45	727.51
⊕ Brg. E. Abut.	55+38.67	-18.50	727.44	727.44
Bk. E. Abut.	55+40.33	-18.50	727.44	727.44

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	54+59.67	-11.33	727.48	727.48
⊕ Brg. W. Abut.	54+61.33	-11.33	727.48	727.48
A	54+71.33	-11.33	727.52	727.60
B	54+81.33	-11.33	727.55	727.69
C	54+91.33	-11.33	727.57	727.75
D	55+01.33	-11.33	727.58	727.78
E	55+11.33	-11.33	727.59	727.76
F	55+21.33	-11.33	727.59	727.72
G	55+31.33	-11.33	727.59	727.65
⊕ Brg. E. Abut.	55+38.67	-11.33	727.58	727.58
Bk. E. Abut.	55+40.33	-11.33	727.58	727.58

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	54+59.67	-4.17	727.59	727.59
⊕ Brg. W. Abut.	54+61.33	-4.17	727.59	727.59
A	54+71.33	-4.17	727.63	727.70
B	54+81.33	-4.17	727.65	727.80
C	54+91.33	-4.17	727.67	727.86
D	55+01.33	-4.17	727.69	727.88
E	55+11.33	-4.17	727.70	727.87
F	55+21.33	-4.17	727.70	727.83
G	55+31.33	-4.17	727.70	727.75
⊕ Brg. E. Abut.	55+38.67	-4.17	727.69	727.69
Bk. E. Abut.	55+40.33	-4.17	727.69	727.69

⊕ US RTE 34, PGL & STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	54+59.67	0.00	727.65	727.65
⊕ Brg. W. Abut.	54+61.33	0.00	727.65	727.65
A	54+71.33	0.00	727.69	727.77
B	54+81.33	0.00	727.72	727.86
C	54+91.33	0.00	727.74	727.92
D	55+01.33	0.00	727.75	727.95
E	55+11.33	0.00	727.76	727.93
F	55+21.33	0.00	727.76	727.89
G	55+31.33	0.00	727.76	727.82
⊕ Brg. E. Abut.	55+38.67	0.00	727.75	727.75
Bk. E. Abut.	55+40.33	0.00	727.75	727.75

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	54+59.67	3.00	727.60	727.60
⊕ Brg. W. Abut.	54+61.33	3.00	727.61	727.61
A	54+71.33	3.00	727.64	727.72
B	54+81.33	3.00	727.67	727.81
C	54+91.33	3.00	727.69	727.88
D	55+01.33	3.00	727.71	727.90
E	55+11.33	3.00	727.71	727.89
F	55+21.33	3.00	727.72	727.84
G	55+31.33	3.00	727.71	727.77
⊕ Brg. E. Abut.	55+38.67	3.00	727.71	727.71
Bk. E. Abut.	55+40.33	3.00	727.70	727.70

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	54+59.67	10.17	727.50	727.50
⊕ Brg. W. Abut.	54+61.33	10.17	727.50	727.50
A	54+71.33	10.17	727.54	727.61
B	54+81.33	10.17	727.56	727.71
C	54+91.33	10.17	727.58	727.77
D	55+01.33	10.17	727.60	727.79
E	55+11.33	10.17	727.61	727.78
F	55+21.33	10.17	727.61	727.74
G	55+31.33	10.17	727.61	727.66
⊕ Brg. E. Abut.	55+38.67	10.17	727.60	727.60
Bk. E. Abut.	55+40.33	10.17	727.60	727.60

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	54+59.67	17.33	727.36	727.36
⊕ Brg. W. Abut.	54+61.33	17.33	727.37	727.37
A	54+71.33	17.33	727.40	727.48
B	54+81.33	17.33	727.43	727.57
C	54+91.33	17.33	727.45	727.63
D	55+01.33	17.33	727.46	727.66
E	55+11.33	17.33	727.47	727.65
F	55+21.33	17.33	727.48	727.60
G	55+31.33	17.33	727.47	727.53
⊕ Brg. E. Abut.	55+38.67	17.33	727.46	727.46
Bk. E. Abut.	55+40.33	17.33	727.46	727.46

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	54+59.67	24.50	727.22	727.22
⊕ Brg. W. Abut.	54+61.33	24.50	727.22	727.22
A	54+71.33	24.50	727.26	727.34
B	54+81.33	24.50	727.29	727.43
C	54+91.33	24.50	727.31	727.49
D	55+01.33	24.50	727.32	727.52
E	55+11.33	24.50	727.33	727.50
F	55+21.33	24.50	727.33	727.46
G	55+31.33	24.50	727.33	727.39
⊕ Brg. E. Abut.	55+38.67	24.50	727.32	727.32
Bk. E. Abut.	55+40.33	24.50	727.32	727.32

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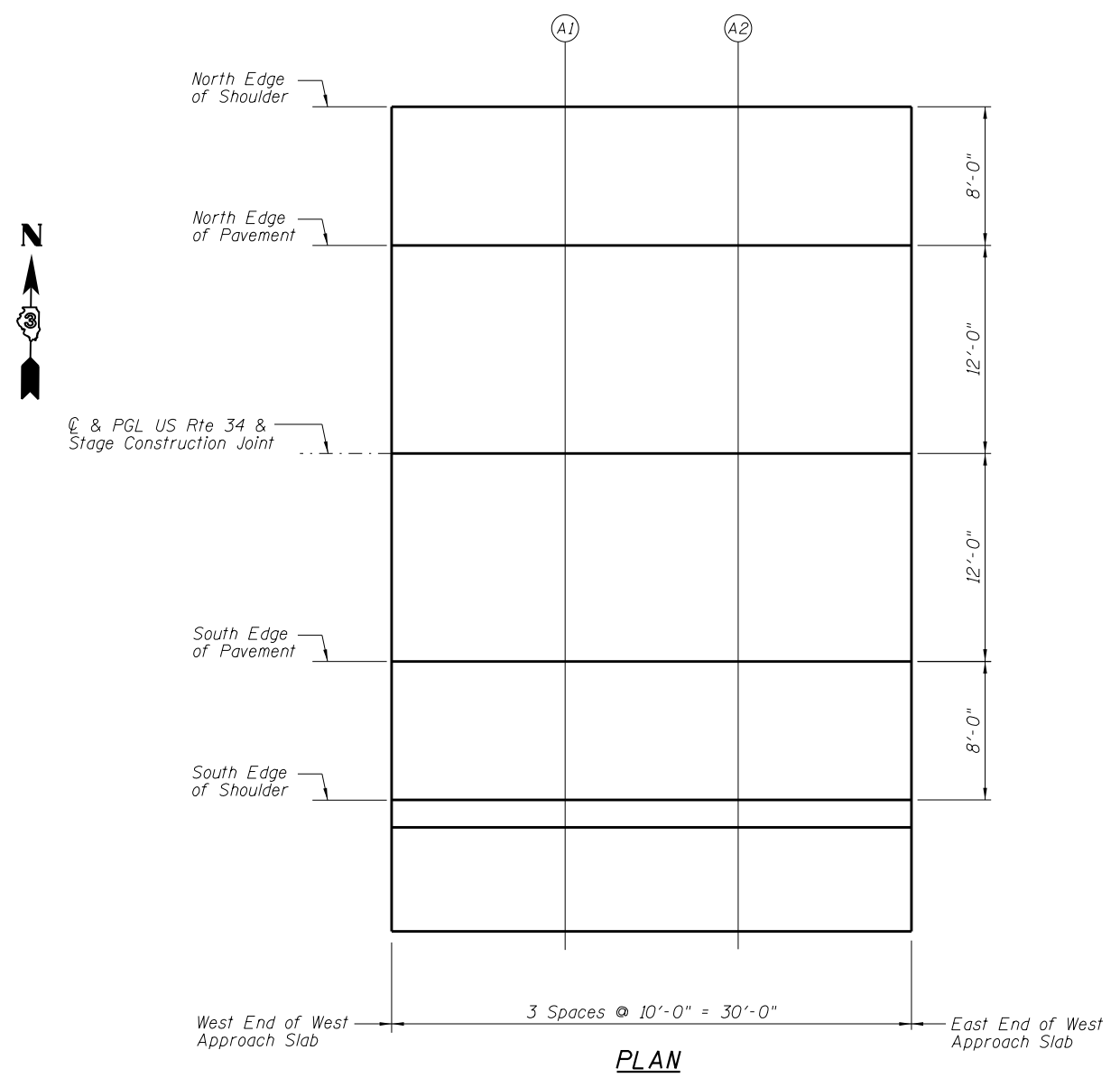
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DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS 2
STRUCTURE NO. 050-0257**

SCALE: SHEET S-6 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	28
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

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PLAN

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Slab	54+30.67	-20.00	727.17
A1	54+40.67	-20.00	727.22
A2	54+50.67	-20.00	727.27
East End W. Appr. Slab	54+60.67	-20.00	727.31

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Slab	54+30.67	-12.00	727.33
A1	54+40.67	-12.00	727.38
A2	54+50.67	-12.00	727.43
East End W. Appr. Slab	54+60.67	-12.00	727.47

CL & PGL U.S. RTE 34 & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Slab	54+30.67	0.00	727.51
A1	54+40.67	0.00	727.56
A2	54+50.67	0.00	727.61
East End W. Appr. Slab	54+60.67	0.00	727.65

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Slab	54+30.67	12.00	727.33
A1	54+40.67	12.00	727.38
A2	54+50.67	12.00	727.43
East End W. Appr. Slab	54+60.67	12.00	727.47

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Slab	54+30.67	20.00	727.17
A1	54+40.67	20.00	727.22
A2	54+50.67	20.00	727.27
East End W. Appr. Slab	54+60.67	20.00	727.31



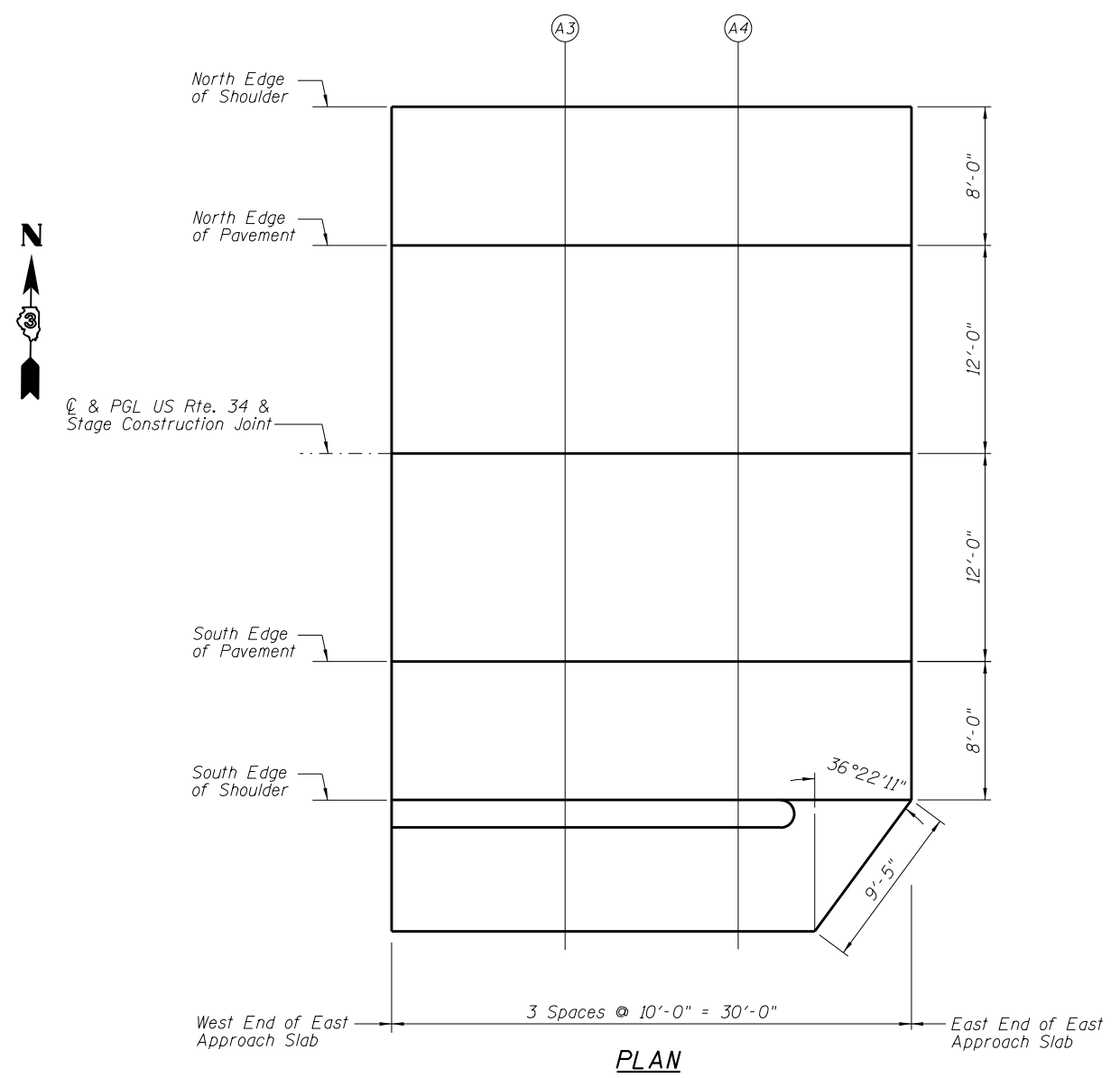
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WEST APPROACH TOP OF SLAB ELEVATIONS	
STRUCTURE NO. 050-0257	
SCALE:	SHEET S-7 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	29
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

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PLAN

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End E. Apr. Slab	55+39.33	-20.00	727.41
A3	55+49.33	-20.00	727.39
A4	55+59.33	-20.00	727.37
East End E. Apr. Slab	55+69.33	-20.00	727.34

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End E. Apr. Slab	55+39.33	-12.00	727.57
A3	55+49.33	-12.00	727.55
A4	55+59.33	-12.00	727.53
East End E. Apr. Slab	55+69.33	-12.00	727.50

C & PGL U.S. RTE 34 & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
West End E. Apr. Slab	55+39.33	0.00	727.75
A3	55+49.33	0.00	727.73
A4	55+59.33	0.00	727.71
East End E. Apr. Slab	55+69.33	0.00	727.68

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End E. Apr. Slab	55+39.33	12.00	727.57
A3	55+49.33	12.00	727.55
A4	55+59.33	12.00	727.53
East End E. Apr. Slab	55+69.33	12.00	727.50

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End E. Apr. Slab	55+39.33	20.00	727.41
A3	55+49.33	20.00	727.39
A4	55+59.33	20.00	727.37
East End E. Apr. Slab	55+69.33	20.00	727.34



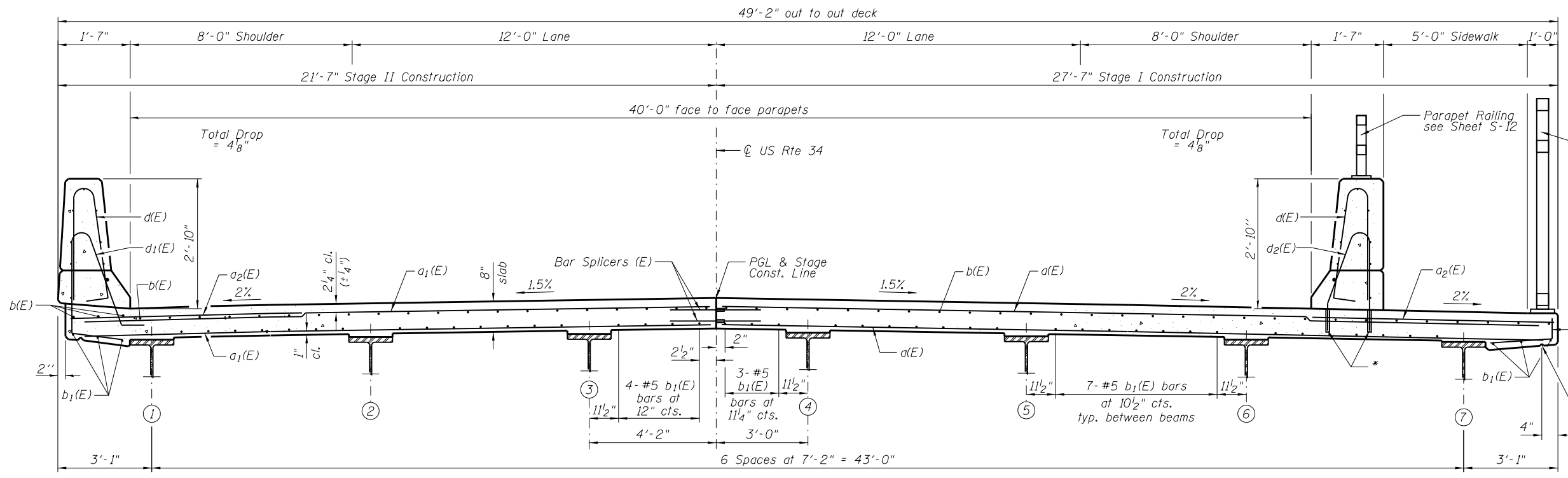
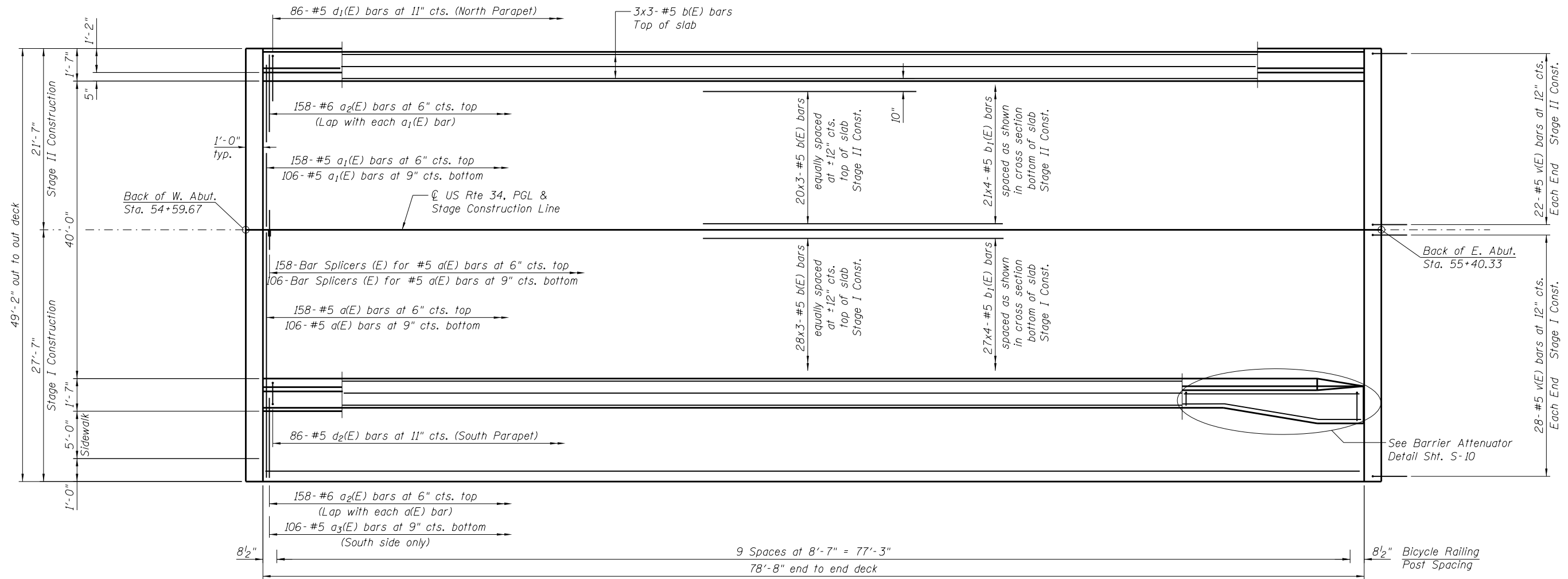
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PLOT DATE =	CHECKED - 08/15/2017	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EAST APPROACH TOP OF SLAB ELEVATIONS
STRUCTURE NO. 050-0257**

SCALE: SHEET S-8 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	30
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				



MINIMUM BAR LAP
#5 bar = 2'-7"

FILE NAME = P:\2015\0566_1001.D3 Various Phase II (PTB 145-18) M012.13 & 14\0566-01 US_34 cover Vermin11ton\04-CADD\0366653-44-SuperstructurePlan.dgn

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8-31-12

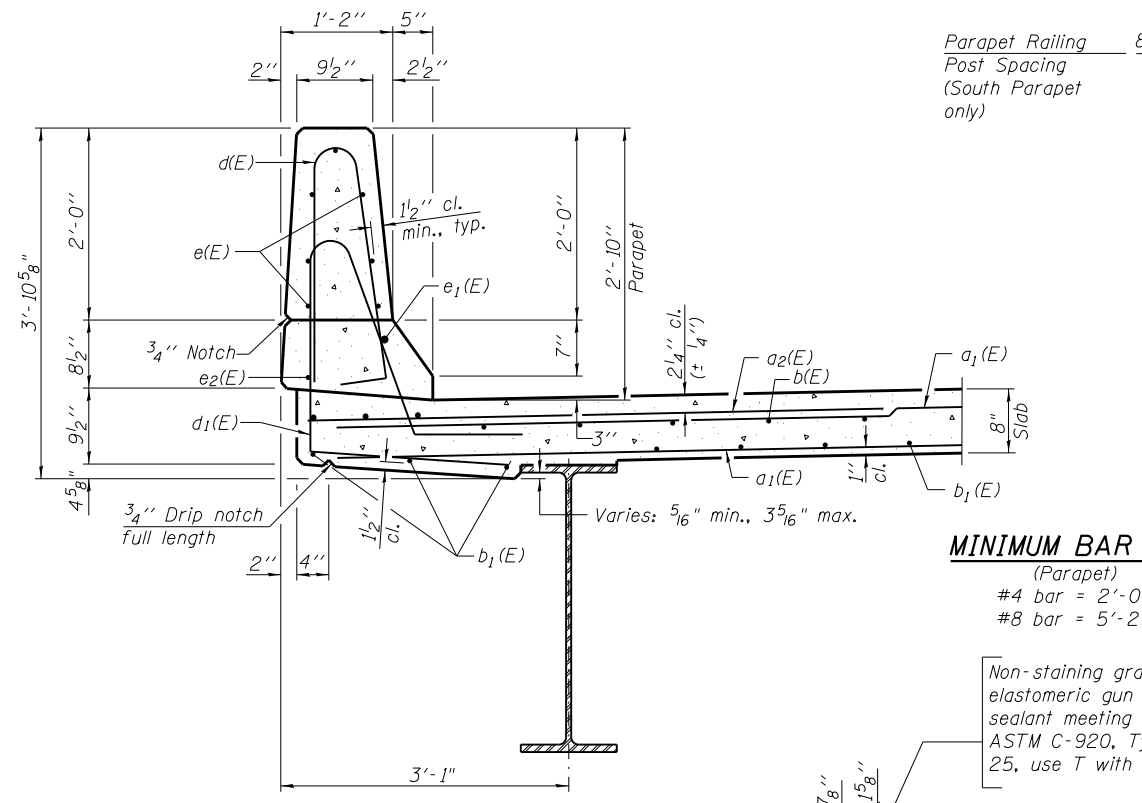
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

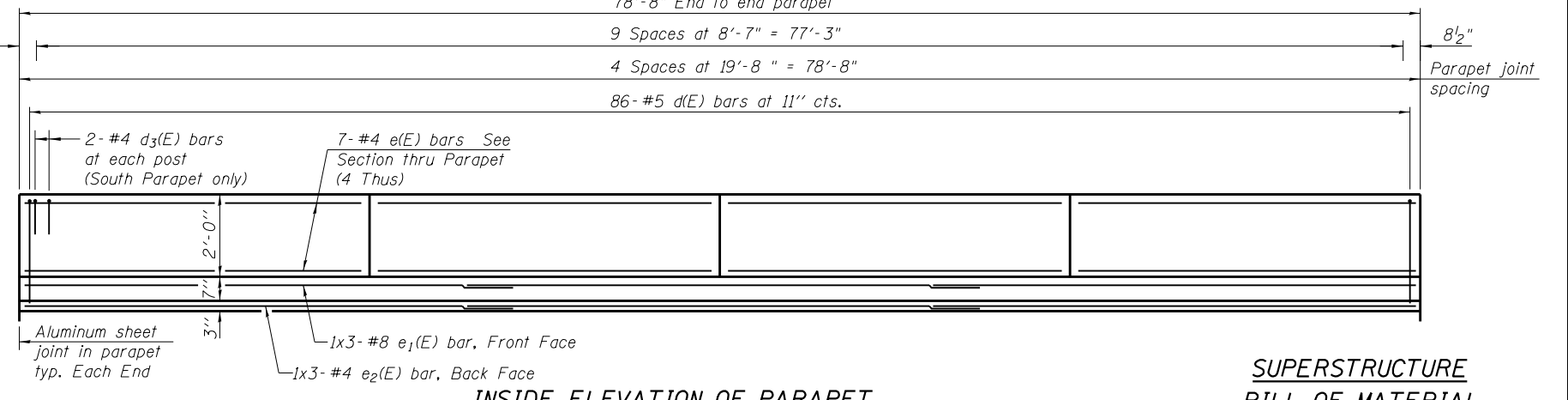
SUPERSTRUCTURE
STRUCTURE NO. 050-0257

SCALE: SHEET S-9 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	31
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				



SECTION THRU NORTH PARAPET

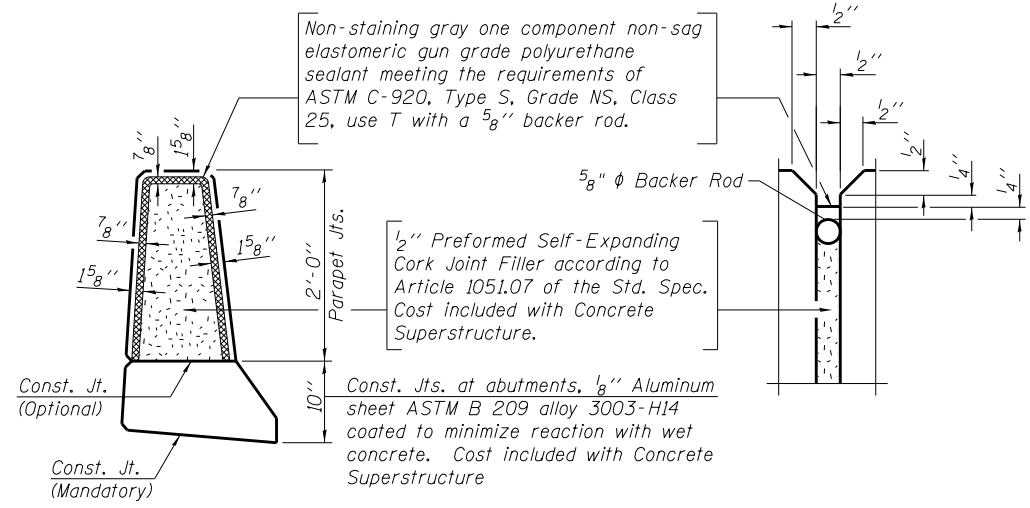


INSIDE ELEVATION OF PARAPET

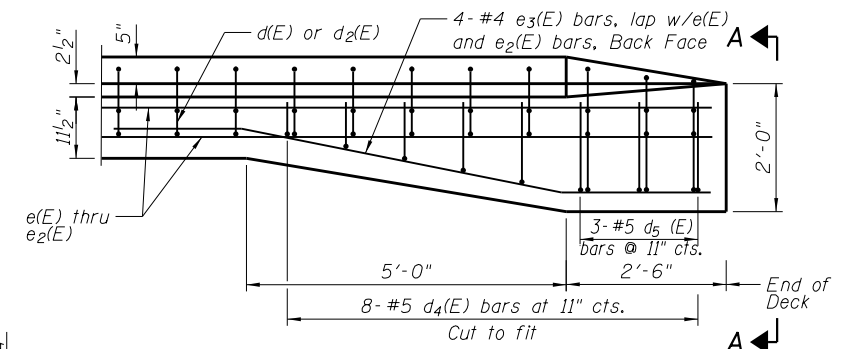
MINIMUM BAR LAP
(Parapet)

- #4 bar = 2'-0"
- #8 bar = 5'-2"

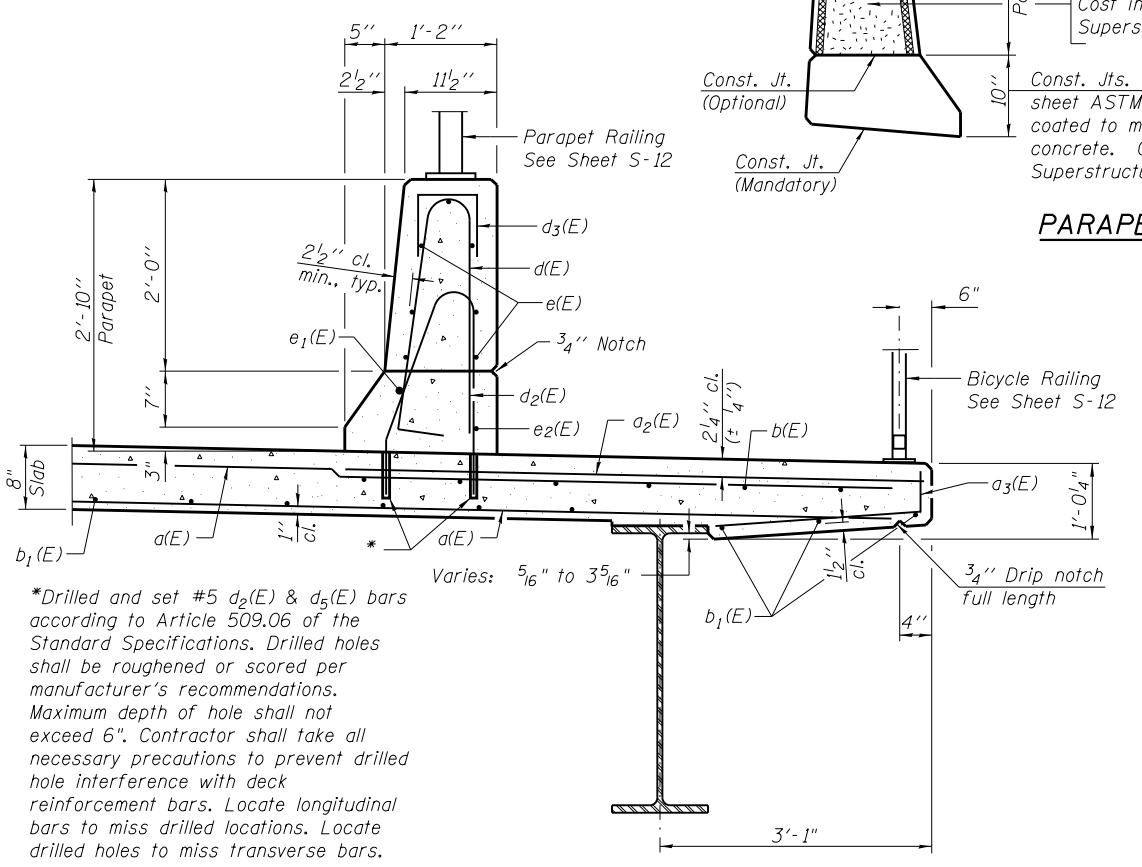
Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25, use T with a 5/8" backer rod.



PARAPET JOINT DETAILS

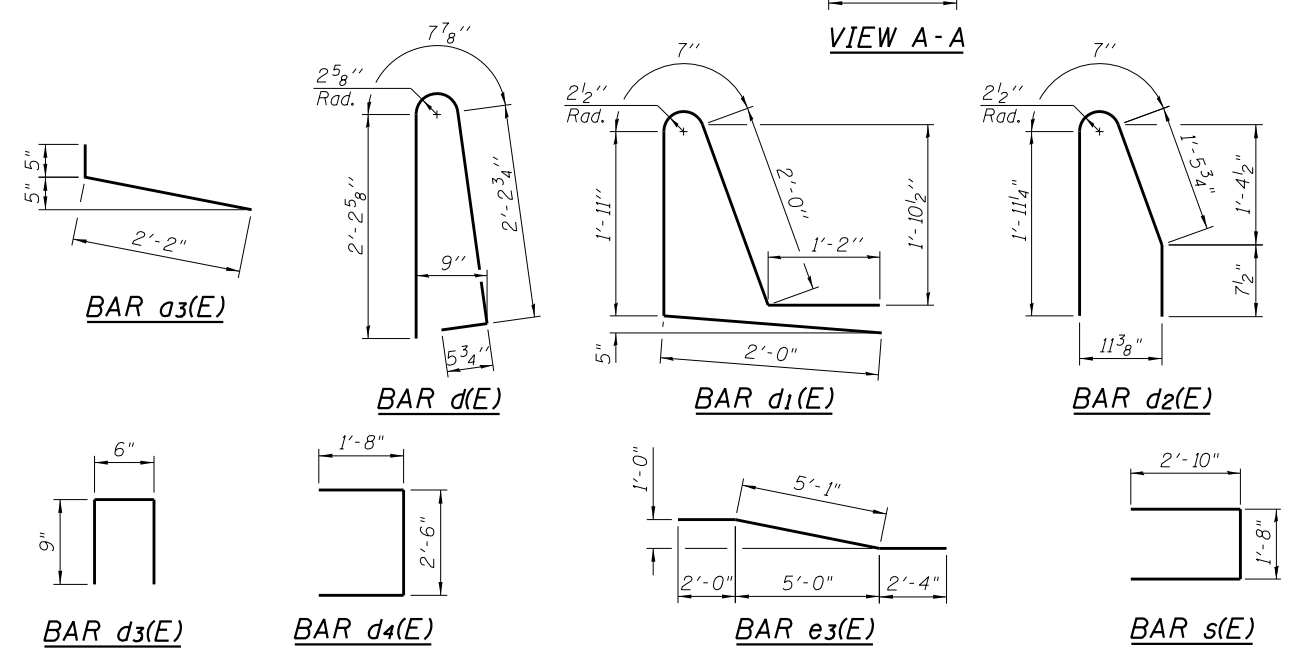


BARRIER ATTENUATOR DETAIL



SECTION THRU SOUTH PARAPET

*Drilled and set #5 d2(E) & d5(E) bars according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6". Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars.



SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	264	#5	27'-3"	—
a1(E)	264	#5	20'-11"	—
a2(E)	316	#6	6'-6"	—
a3(E)	106	#5	2'-7"	└
b(E)	153	#5	27'-10"	—
b1(E)	192	#5	21'-6"	—
d(E)	172	#5	5'-7"	└
d1(E)	86	#5	7'-8"	└
d2(E)	86	#5	4'-8"	└
d3(E)	20	#4	2'-0"	└
d4(E)	8	#5	5'-10"	└
d5(E)	3	#5	3'-8"	└
e(E)	56	#4	19'-4"	—
e1(E)	6	#8	29'-7"	—
e2(E)	6	#4	27'-6"	—
e3(E)	4	#4	9'-5"	└
m(E)	8	#6	27'-3"	—
m1(E)	30	#6	6'-9"	—
m2(E)	12	#6	2'-9"	—
m3(E)	42	#5	4'-0"	—
m4(E)	8	#6	21'-3"	—
m5(E)	6	#6	2'-8"	—
m6(E)	6	#6	3'-10"	—
s(E)	96	#5	7'-4"	└
s1(E)	96	#5	9'-2"	└
v(E)	100	#5	3'-1"	└

Material	Unit	Quantity
Reinforcement Bars, Epoxy Coated	Pound	32,050
Concrete Superstructure	Cu. Yds.	151.8
Bridge Deck Grooving	Sq. Yd.	331
Protective Coat	Sq. Yd.	415

Bars indicated thus: 1x3-#8 etc. indicates 1 line of bars with 3 lengths per line.

FILE NAME = P:\2015\0566_1001.D3 Various Phase II (PTB 145-18) M012.13 & 14\0566-01 IUS_34 cover Vermin11ton\04-CADD\0366853-45-Superstructure\Details.dgn



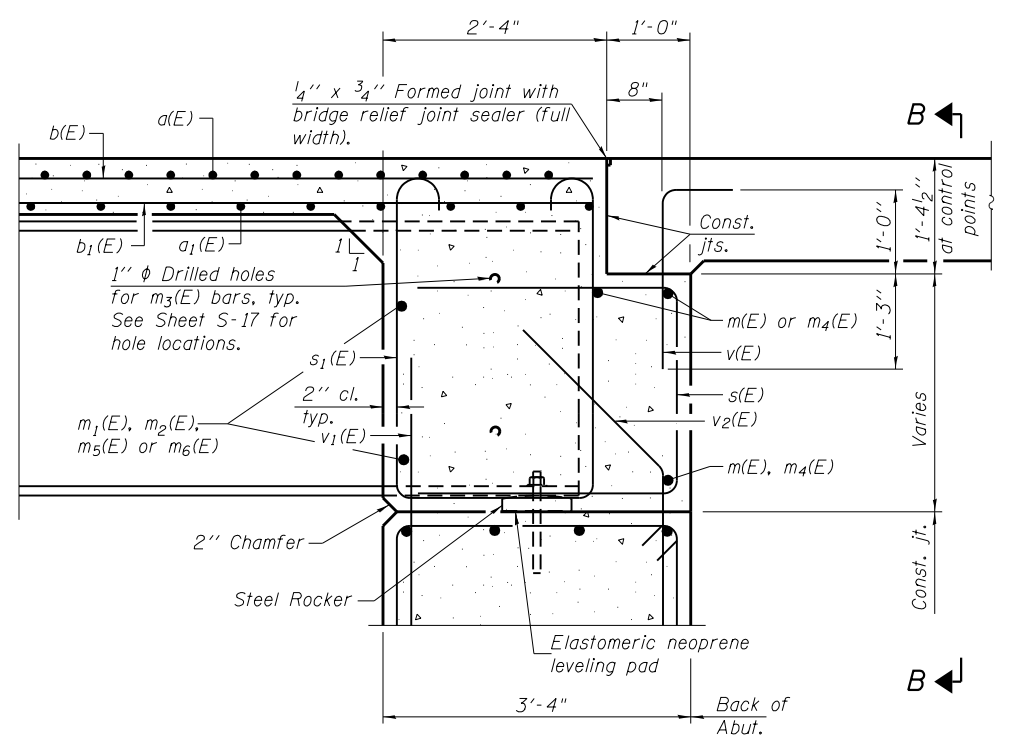
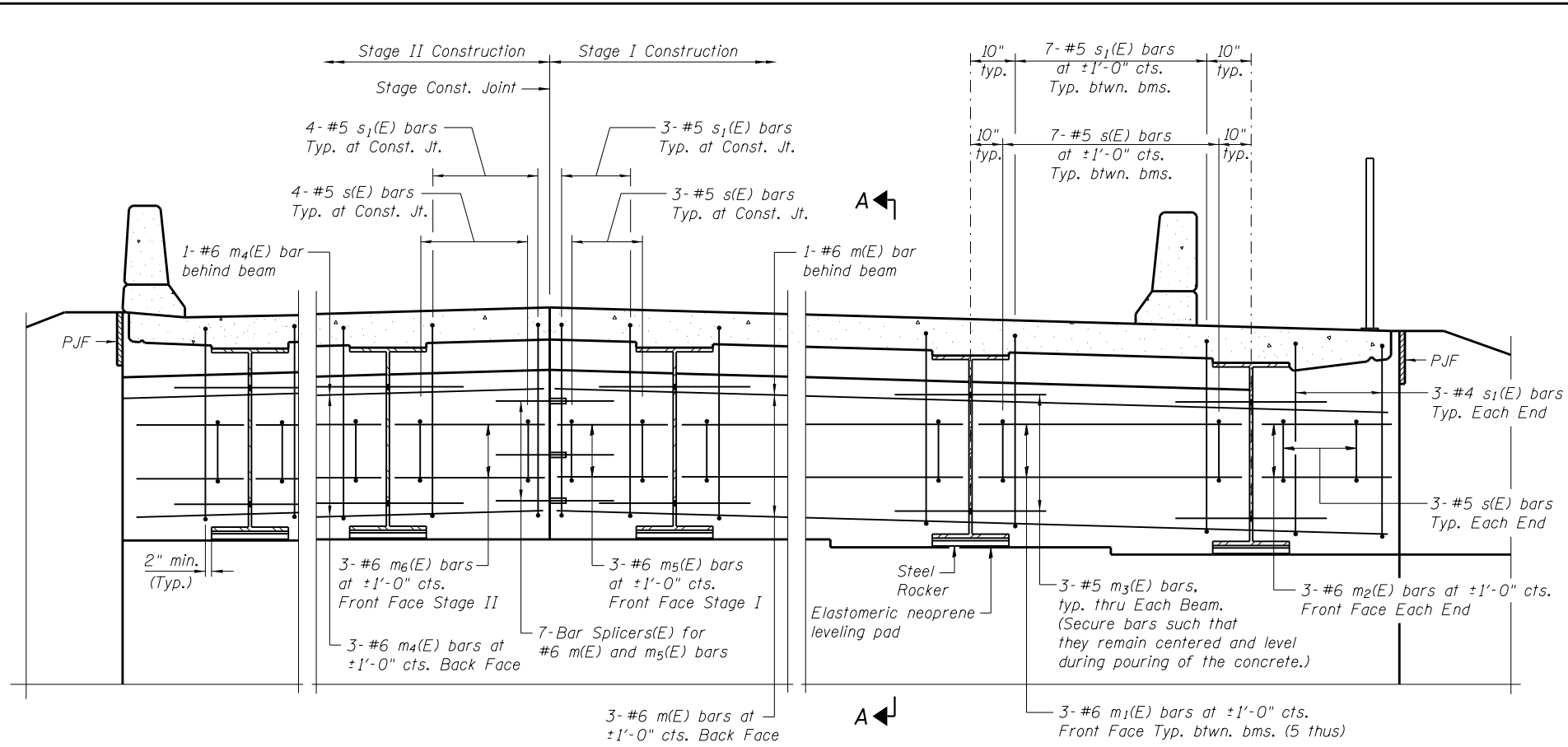
USER NAME =	DESIGNED - LAS	REVISED
PLOT SCALE =	CHECKED - PMM	REVISED
PLOT DATE	DRAWN - TCS	REVISED
	CHECKED - 08/15/2017	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 050-0257

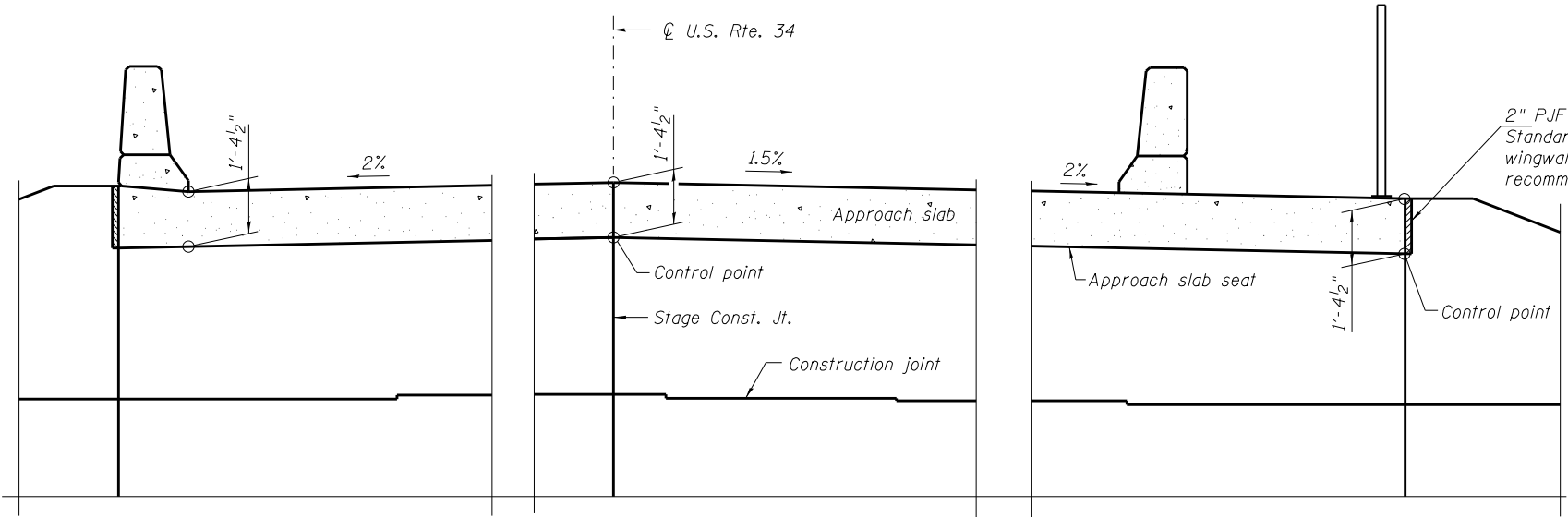
SCALE:	SHEET S-10 OF S-25 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	32
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

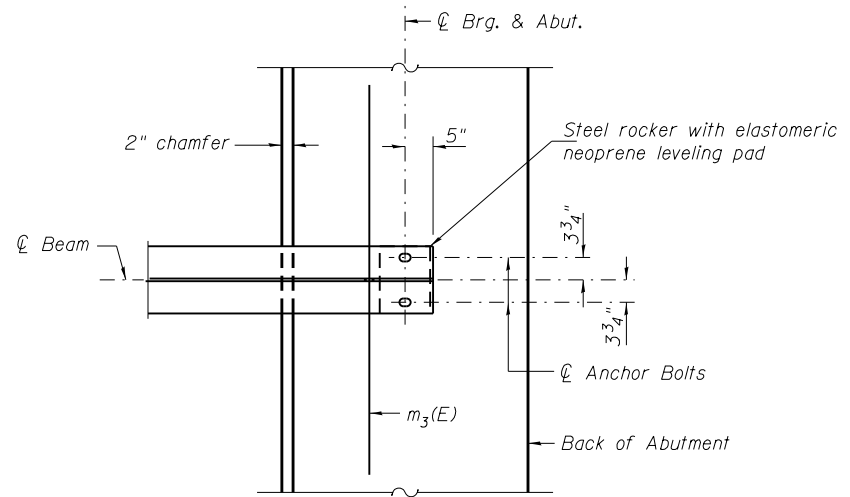


DIAPHRAGM ELEVATION AT EAST ABUTMENT
(West Abutment Similar)

SECTION A-A



SECTION B-B



PARTIAL PLAN AT ABUTMENT
(Showing bottom flange of beam)

Notes:
 Reinforcement bars in diaphragm are billed with superstructure on Sheet S-10.
 Concrete in diaphragm is included with Concrete Superstructure on Sheet S-10.
 For details of bars s(E), s₁(E) and v(E) see Sheet S-10.
 The approach slab seat shall have a constant slope determined from the control points shown.
 For bearing details see Sheet S-18.

FILE NAME = F:\2015\0566_1001.D3 Various Phase II (PTB 145-18) W012.13 & 14\0566-01 US_34 cover Vermin11\tech\04-CADD\0366853-46-DiaphragmDetail.dwg

DSI-2440-0

8-31-12



USER NAME =	DESIGNED - LAS	REVISED
	CHECKED - PMM	REVISED
PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE =	CHECKED - 08/15/2017	REVISED

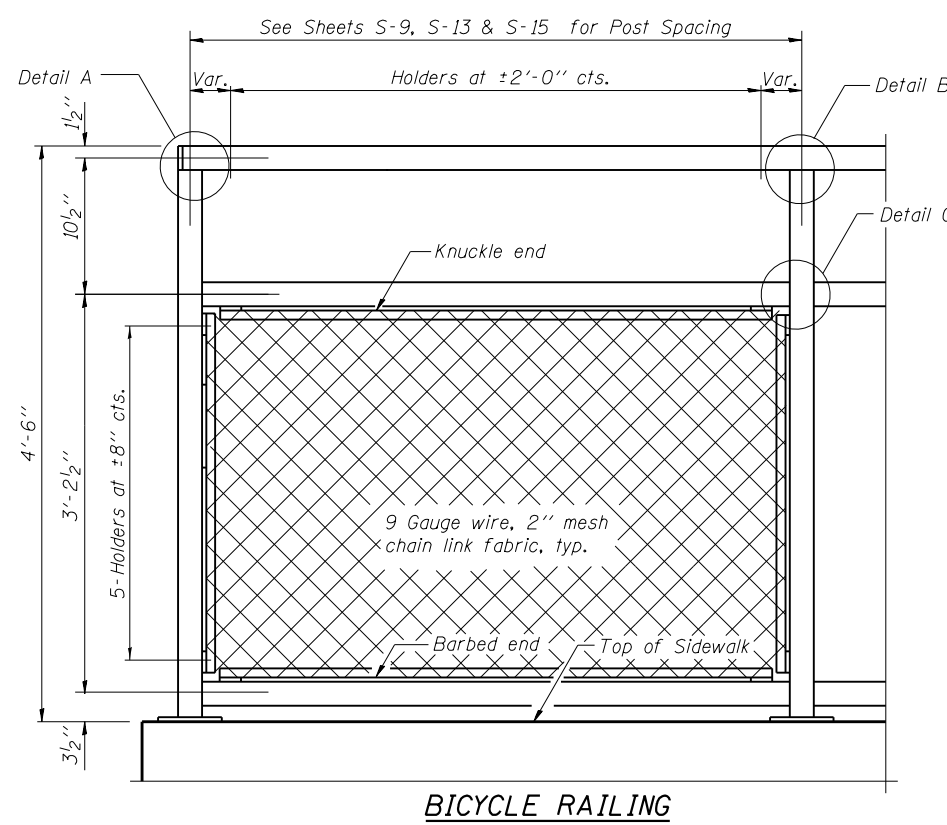
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS
STRUCTURE NO. 050-0257

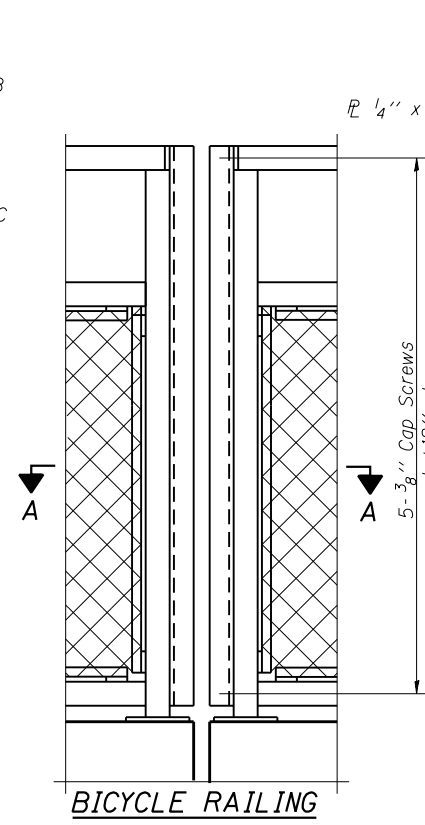
SCALE: SHEET S-11 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	33
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

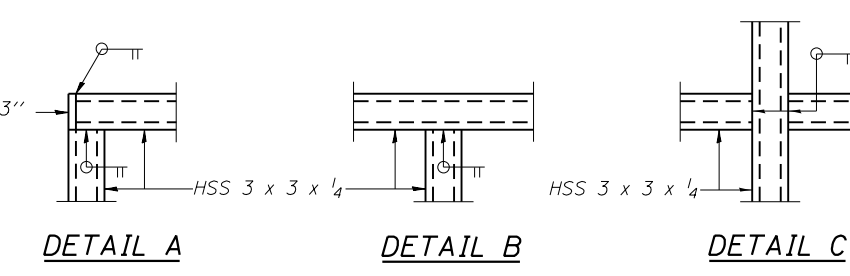
FILE NAME = F:\2015\0566_1001.D3 Various Phase II (PTB, 145-18) M012.13 & 14\0566-01 IUS_34 cover Vermin\11\04-CADD\0366853-47-Railing.dgn



BICYCLE RAILING

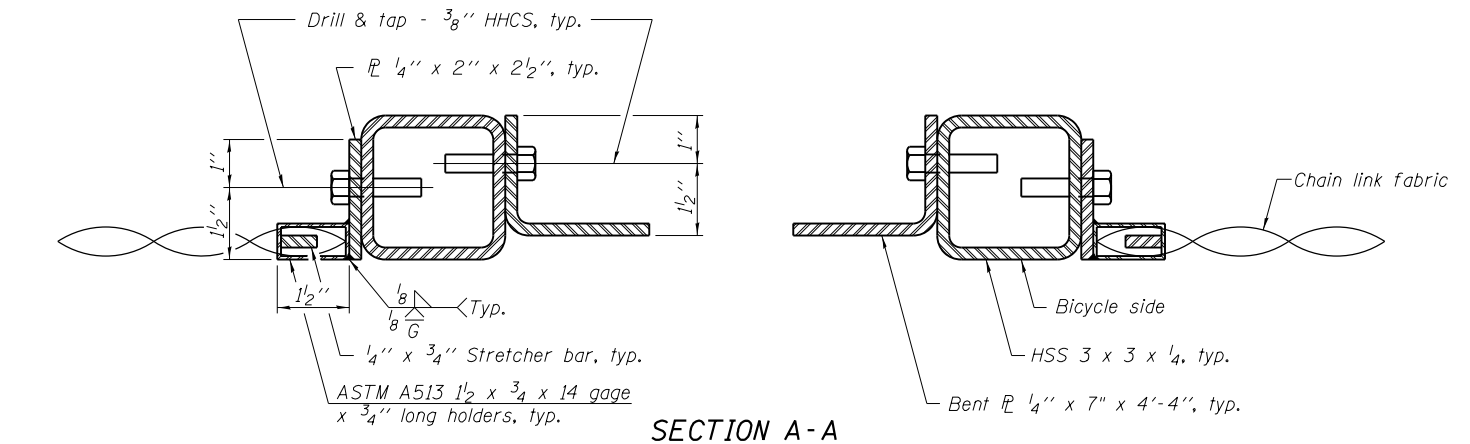


BICYCLE RAILING ELEVATION AT ABUTMENT

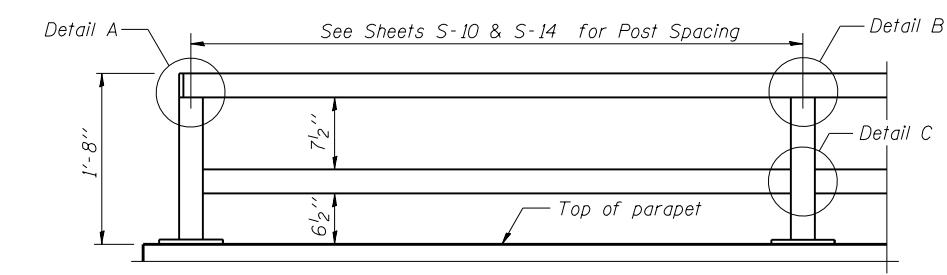


DETAIL A DETAIL B DETAIL C

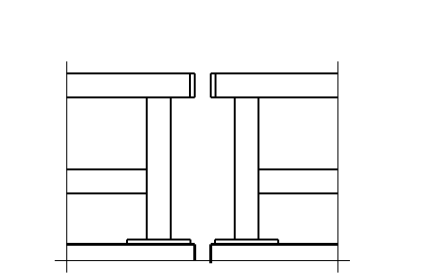
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



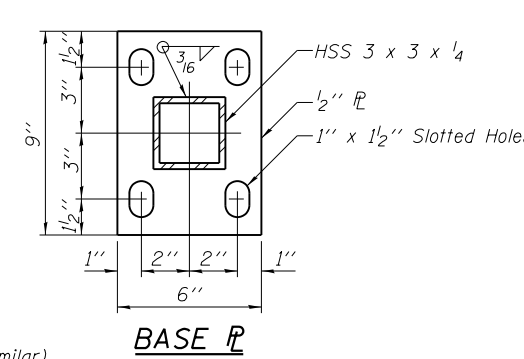
SECTION A-A



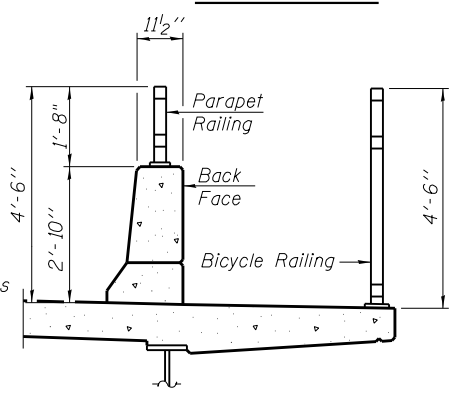
PARAPET RAILING ELEVATION
(Inside Face of Two Element Rail)



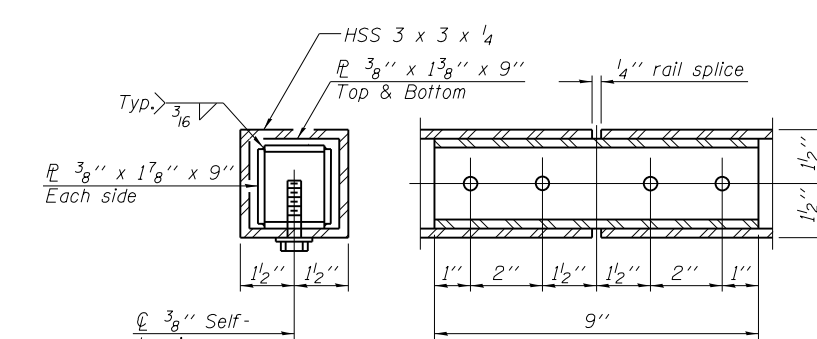
PARAPET RAILING ELEVATION AT ABUTMENT
(Two Element Rail Shown - Three Element Rail Similar)



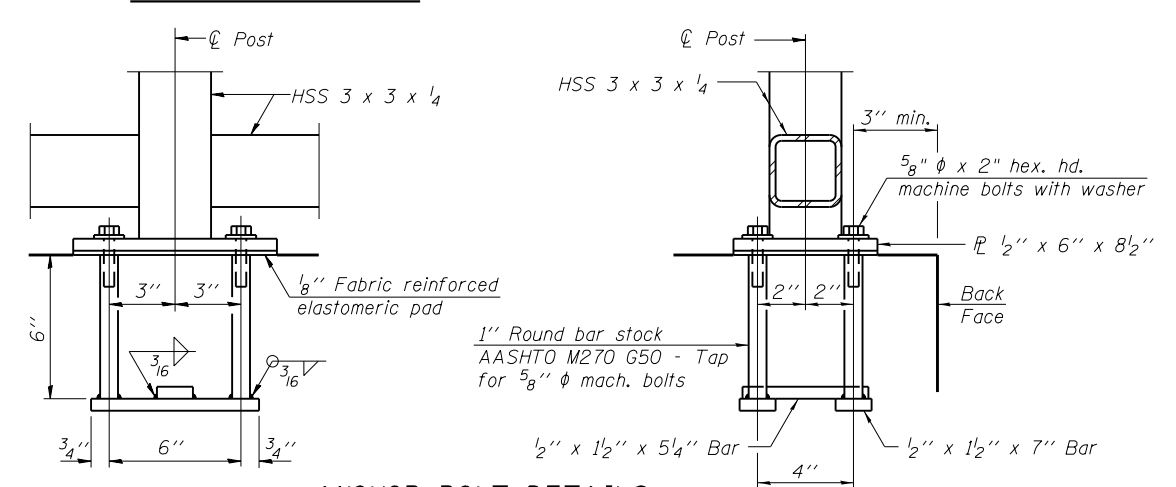
BASE PLATE



SECTION THRU DECK



RAIL SPLICE



ANCHOR BOLT DETAILS

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	133
Parapet Railing	Foot	109



USER NAME =	DESIGNED - LAS	REVISED
	CHECKED - PMM	REVISED
PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE	CHECKED - 08/15/2017	REVISED

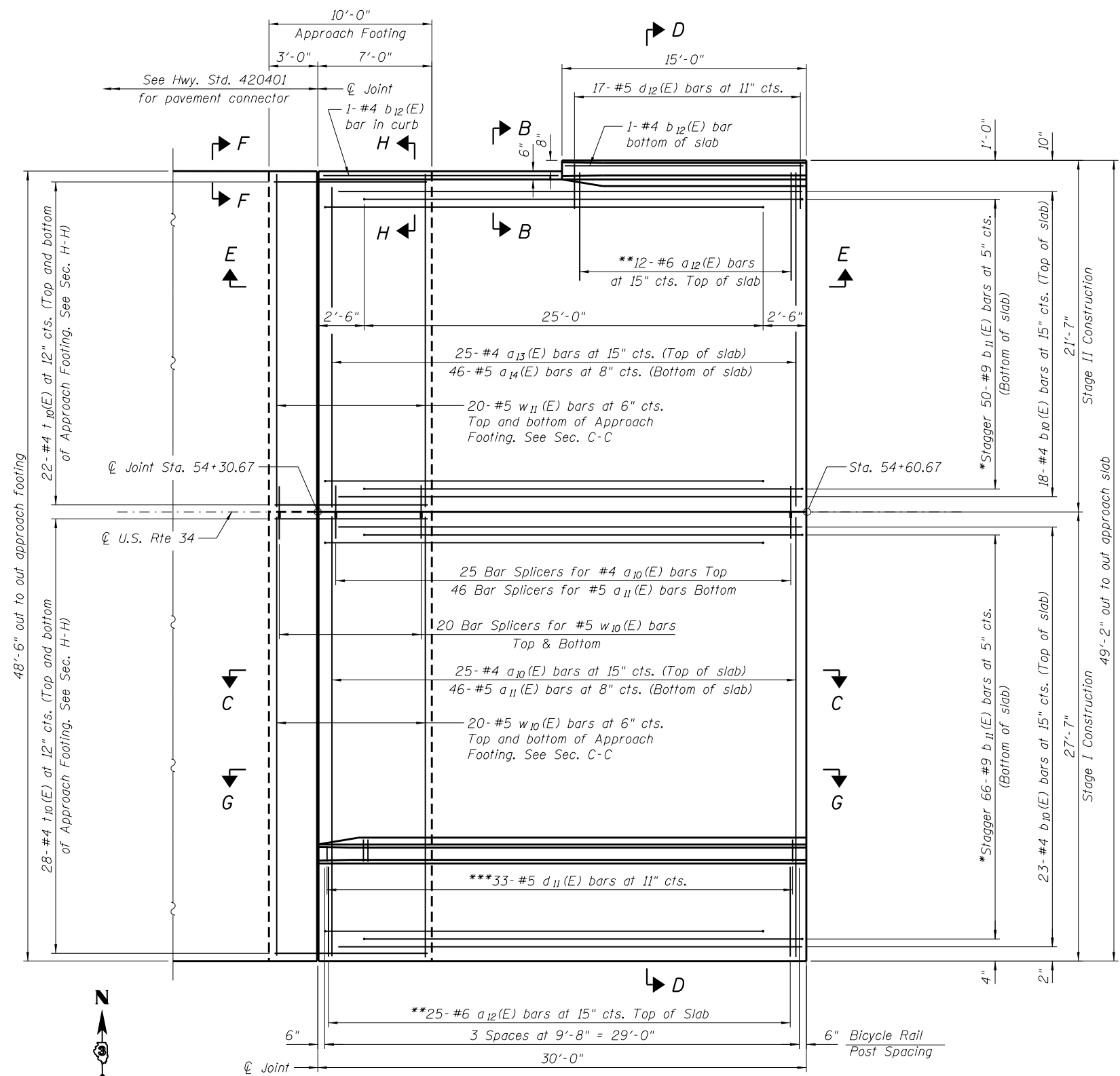
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BICYCLE AND PARAPET RAILING STRUCTURE NO. 050-0257

SCALE: SHEET S-12 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	34
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

FILE NAME = F:\2015\0566_1001.D3 Various Phase II (PTB 145-18) WQ12.13 & 14\0566-01 (US 34 cover Vermin11\tech\04-CADD\0366653-48-Wepcr-Slab1.dgn

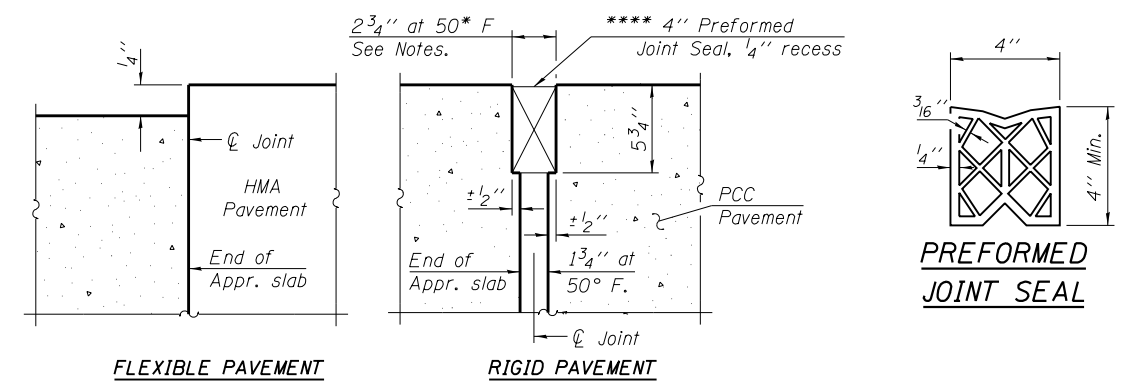


PLAN

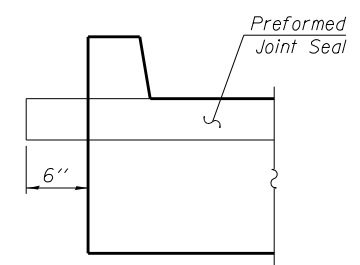
- * Tilt #9 b₁₁(E) bars as required to maintain clearance.
- ** Space between a₁₀(E) or a₁₃(E) bars, typ. each side.
- *** Drilled and set #5 d₁₁(E) bars according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6". Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars.

Notes:
 See sheet 14 of 25 for Sections C-C, D-D & H-H and Views E-E & G-G.
 a₁₀(E) thru a₁₄(E) bar spacings measured along \bar{C} Rdwy.
 The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be 1 1/2" for installation purposes.

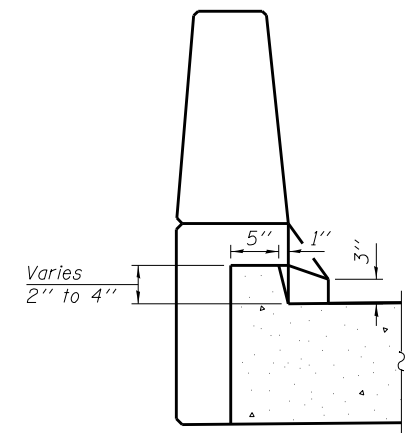
**** Cost included with Concrete Superstructure (Approach Slab).



DETAIL A



VIEW F-F



VIEW B-B

(Sheet 1 of 2)



USER NAME =	DESIGNED - LAS	REVISION
	CHECKED - PMM	REVISION
PLOT SCALE =	DRAWN - TCS	REVISION
PLOT DATE =	CHECKED - 08/15/2017	REVISION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WEST BRIDGE APPROACH SLAB DETAILS 1
 STRUCTURE NO. 050-0257

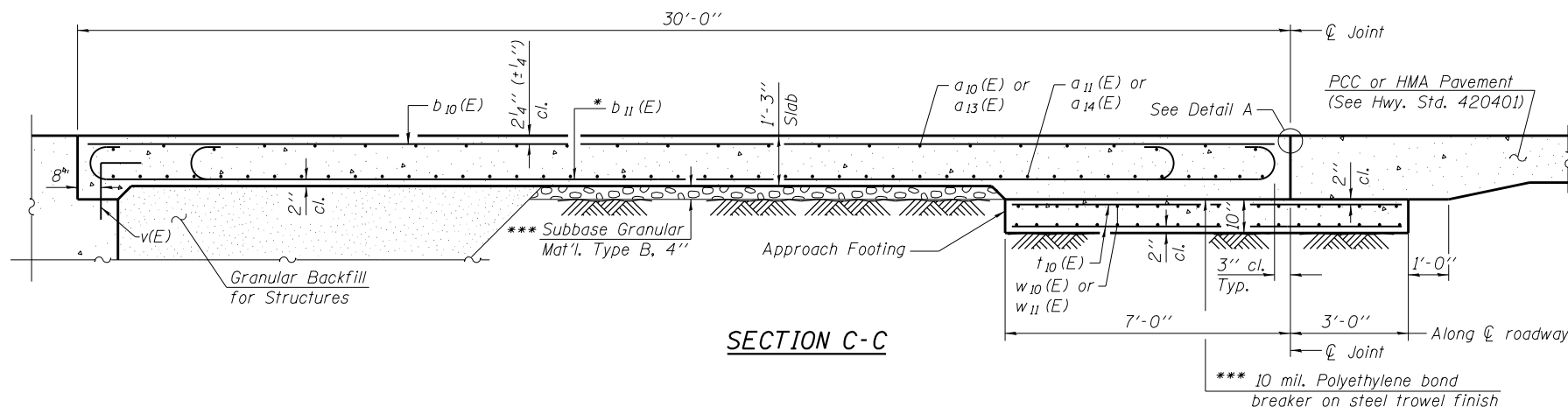
SCALE: SHEET S-13 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	35
CONTRACT NO. 66853				

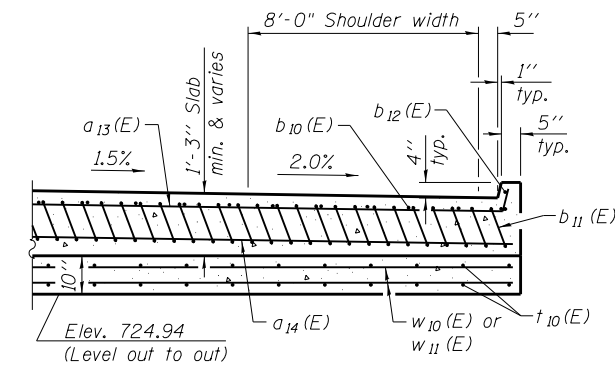
ILLINOIS FED. AID PROJECT

Notes:

See sheet 13 of 25 for Detail A and View B-B.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach Slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v(E) bar details, see sheet 10 of 25.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 For bar splicer details, see sheet 21 of 25.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 25.
 For additional parapet details, see sheet 10 of 25.

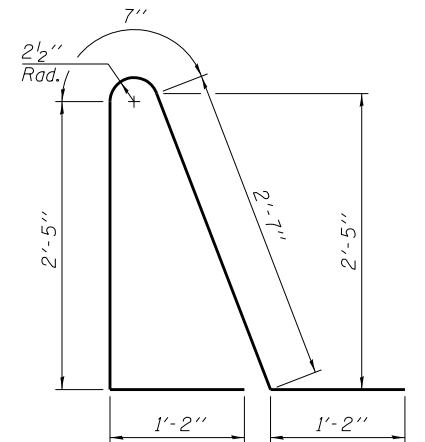


SECTION C-C



SECTION H-H

(Northwest corner shown, Southwest corner similar)
 * Tilt #9 b₁₁(E) bars as required to maintain clearance.



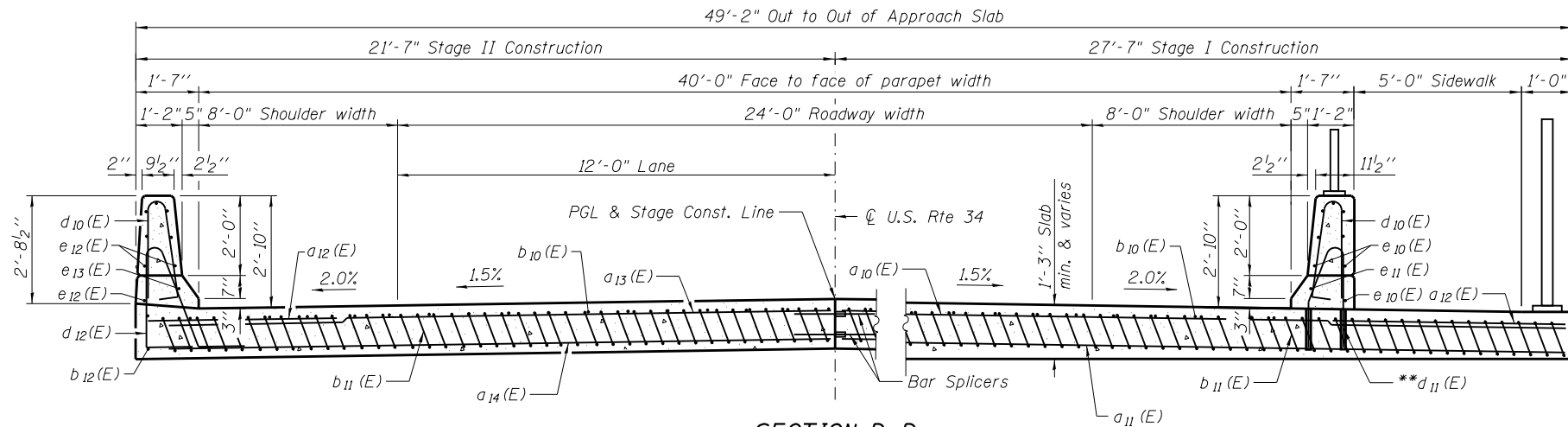
BAR d₁₂(E)

*** Drilled and set #5 d₁₁(E) bars according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6". Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars.

*** Cost included with Concrete Superstructure (Approach Slab).

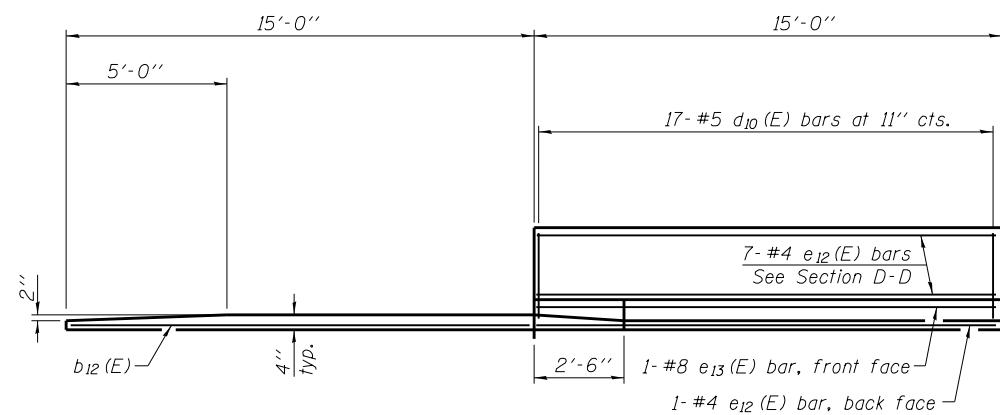
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a ₁₀ (E)	25	#4	27'-3"	—
a ₁₁ (E)	46	#5	27'-3"	—
a ₁₂ (E)	37	#6	6'-6"	—
a ₁₃ (E)	25	#4	20'-8"	—
a ₁₄ (E)	46	#5	20'-7"	—
b ₁₀ (E)	41	#4	29'-8"	—
b ₁₁ (E)	116	#9	29'-9"	—
b ₁₂ (E)	2	#4	14'-8"	—
d ₁₀ (E)	50	#5	5'-7"	⏏
d ₁₁ (E)	33	#5	4'-8"	⏏
d ₁₂ (E)	17	#5	7'-11"	⏏
d ₁₃ (E)	8	#4	2'-0"	⏏
e ₁₀ (E)	8	#4	29'-8"	—
e ₁₁ (E)	1	#8	29'-8"	—
e ₁₂ (E)	8	#4	14'-8"	—
e ₁₃ (E)	1	#8	14'-8"	—
t ₁₀ (E)	100	#4	9'-8"	—
w ₁₀ (E)	40	#5	27'-3"	—
w ₁₁ (E)	40	#5	20'-7"	—
Concrete Superstructure			Cu. Yd.	5.2
Concrete Superstructure (Approach Slab)			Cu. Yd.	72.7
Concrete Structures			Cu. Yd.	15.0
Reinforcement Bars, Epoxy Coated			Pound	19,620
Bridge Deck Grooving			Sq. Yd.	127
Protective Coat			Sq. Yd.	154

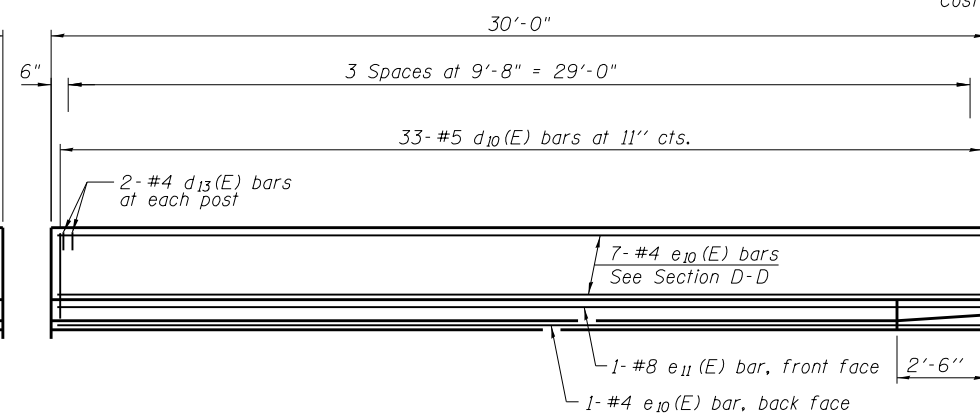


SECTION D-D

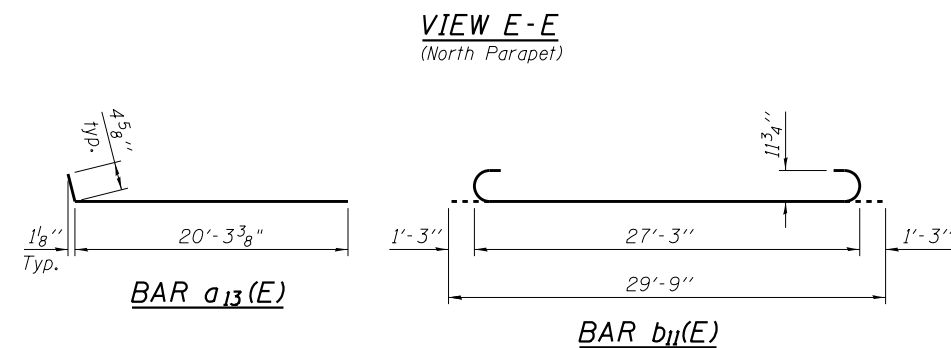
(See Plan for dimensions not shown)



VIEW E-E
(North Parapet)

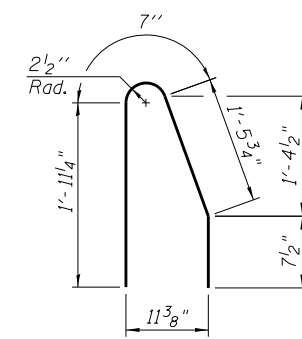


VIEW G-G
(South Parapet)

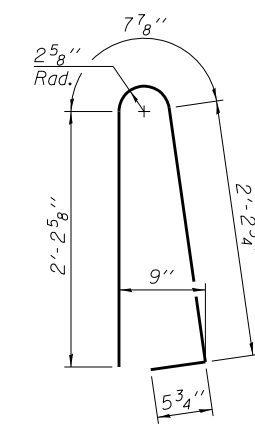


BAR a₁₃(E)

BAR b₁₁(E)



BAR d₁₁(E)



BAR d₁₀(E)

(Sheet 2 of 2)

FILE NAME = P:\2015\0566_1001.D3 Various Phase II (PTB 145-18) M012.13 & 14\0566-01 IUS_34 cover Vermin11ton\04-CADD\0366053-49-Wepor-Slab2.cdw



USER NAME =	DESIGNED - LAS	REVISED
CHECKED - PMM	REVISIONS	
PLOT SCALE =	DRAWN - TCS	REVISIONS
PLOT DATE	CHECKED - 08/15/2017	REVISIONS

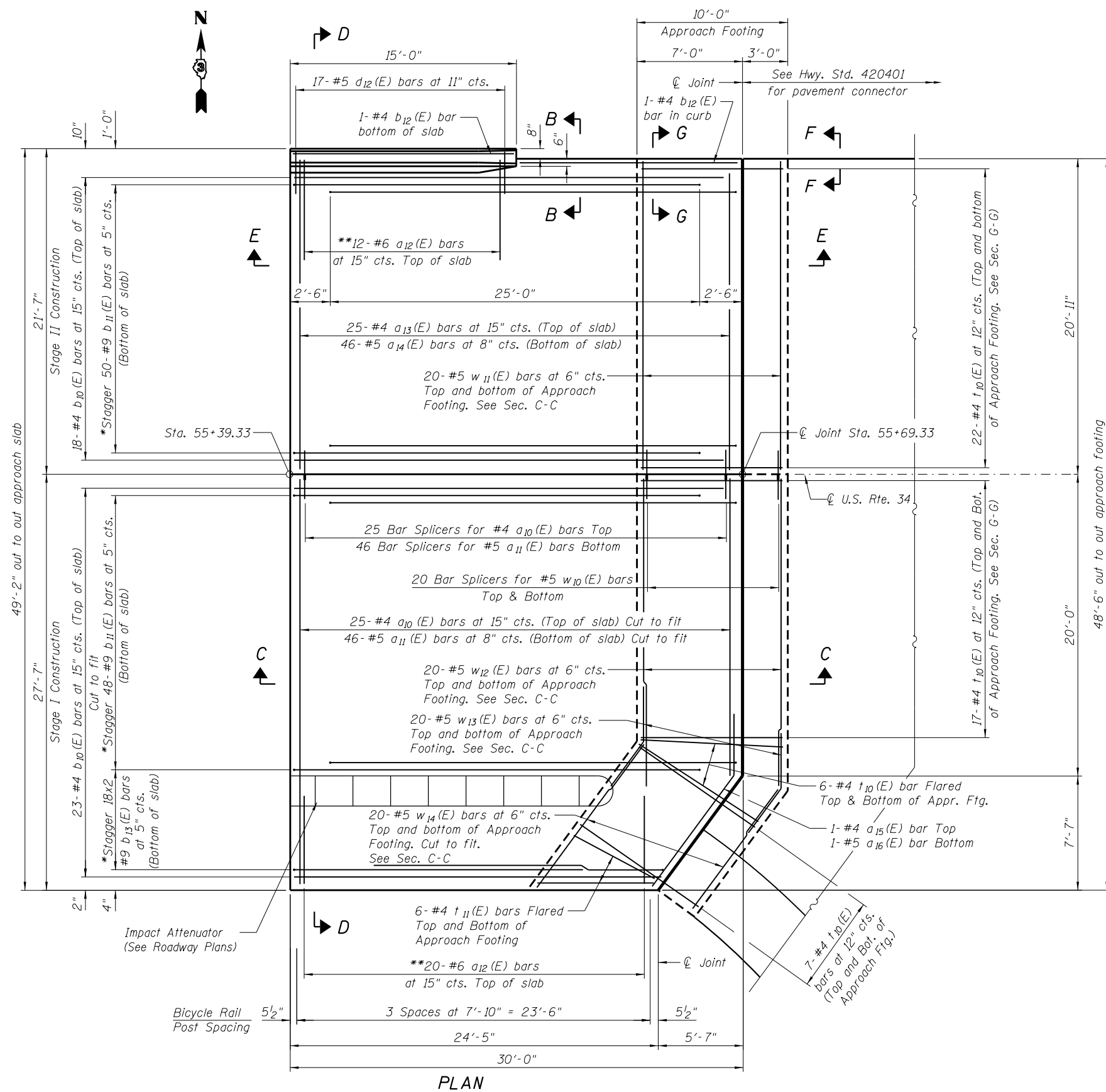
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WEST BRIDGE APPROACH SLAB DETAILS 2
 STRUCTURE NO. 050-0257

SCALE: SHEET S-14 OF S-25 SHEETS STA. TO STA.

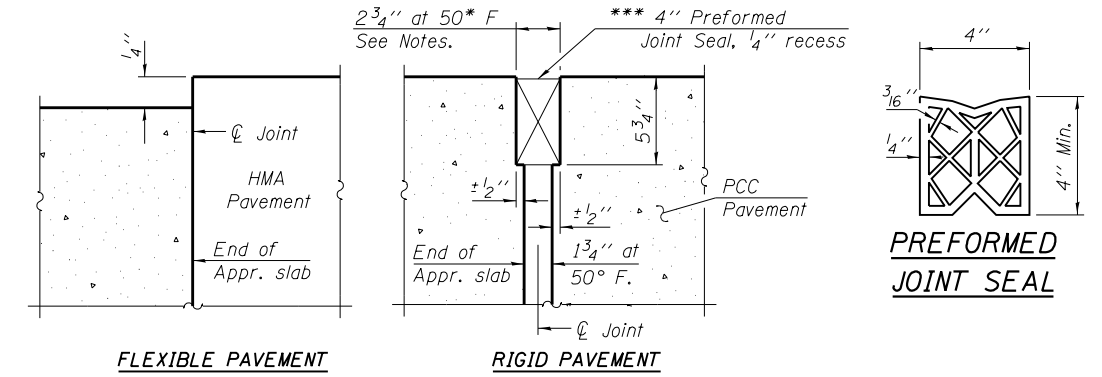
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	36
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

Notes:
 See sheet 16 of 25 for Sections C-C, D-D & G-G and View E-E.
 $a_{10}(E)$ thru $a_{14}(E)$ bar spacings measured along C.R.
 The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be $1\frac{1}{2}'$ for installation purposes.

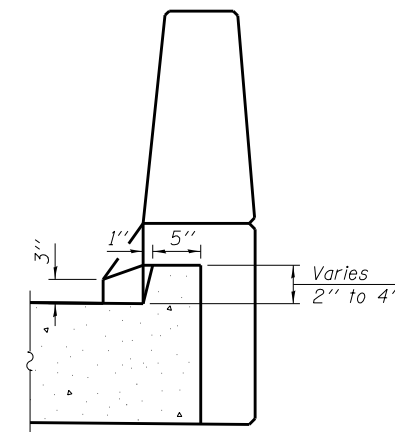


* Tilt #9 $b_{11}(E)$ and $b_{13}(E)$ bars as required to maintain clearance.
 ** Space between $a_{10}(E)$ or $a_{13}(E)$ bars, typ. each side.

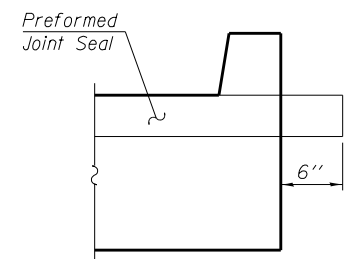
*** Cost included with Concrete Superstructure (Approach Slab).



DETAIL A



VIEW B-B



VIEW F-F

MINIMUM BAR LAP

- #4 Bars = 2'-11"
- #5 Bars = 3'-8"
- #9 Bars = 8'-7"

(Sheet 1 of 2)

FILE NAME = P:\2015\0566_1001.D3 Various Phase II (PTB, 145-18) M012.13 & 14\0566-01 IUS_34 cover Vermillion\04-CADD\0366853-58-Appr-Slab.dgn



USER NAME =	DESIGNED - LAS	REVISED
	CHECKED - PMM	REVISED
PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE =	CHECKED - 08/15/2017	REVISED

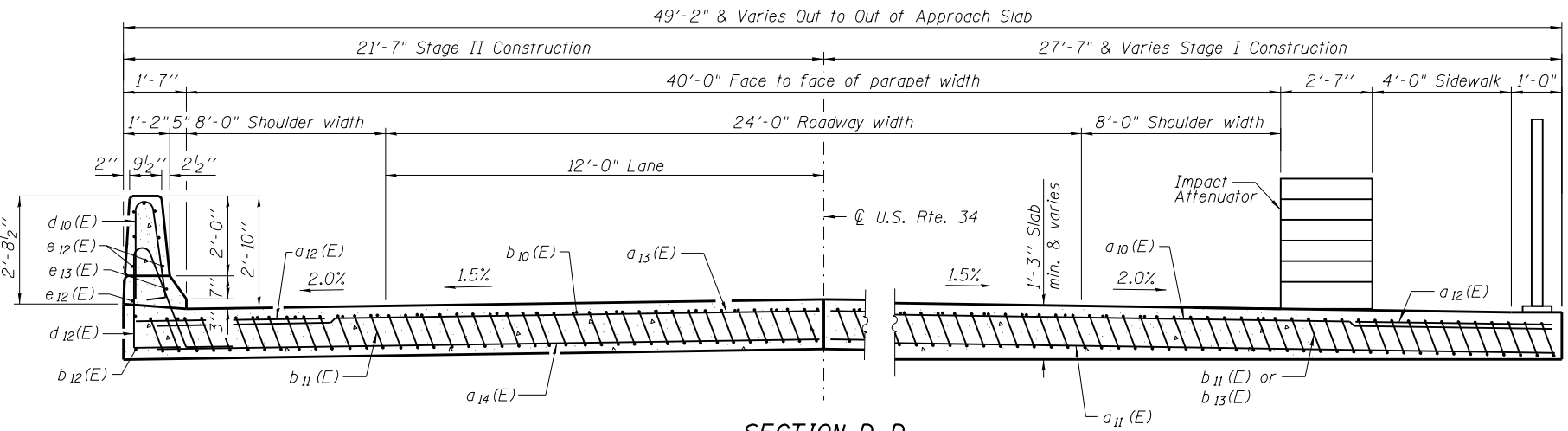
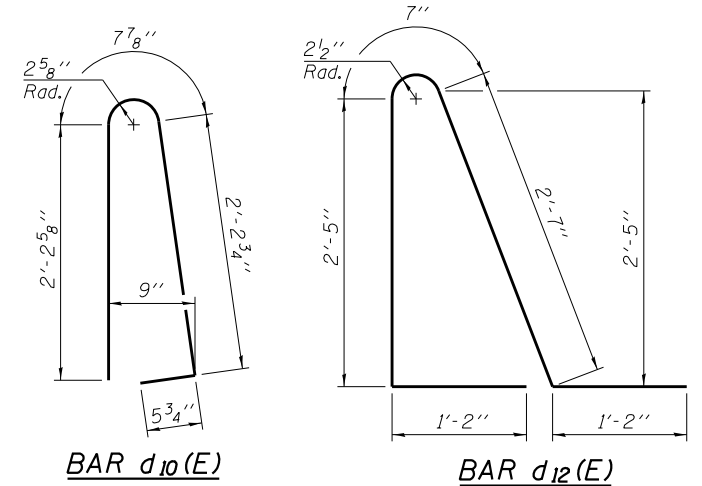
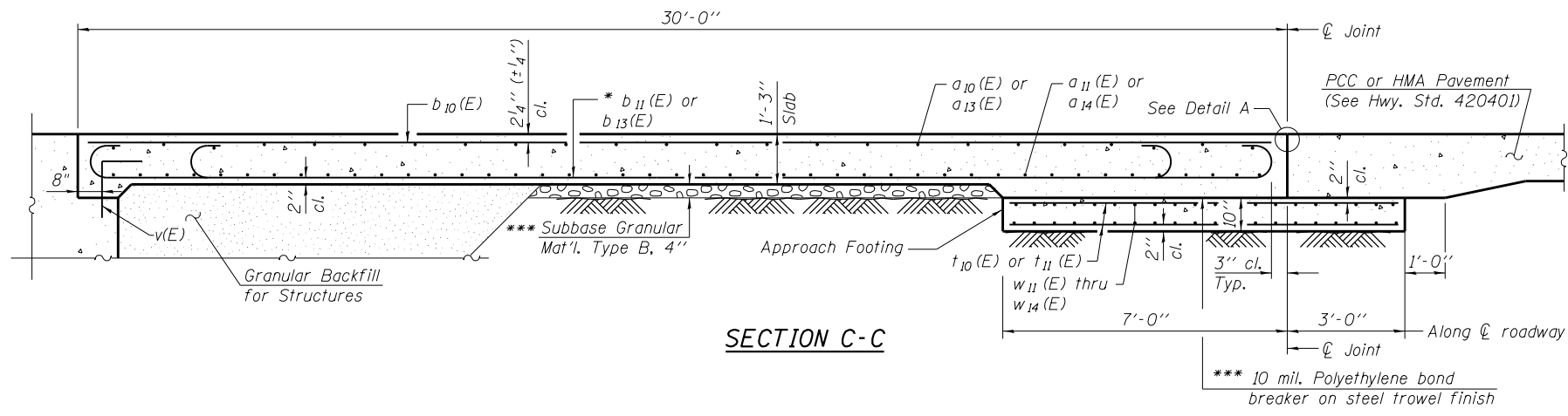
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EAST BRIDGE APPROACH SLAB DETAILS 1
 STRUCTURE NO. 050-0257

SCALE: SHEET S-15 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	37
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

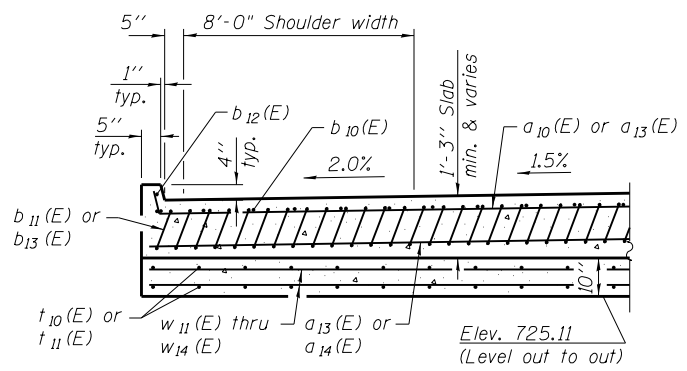
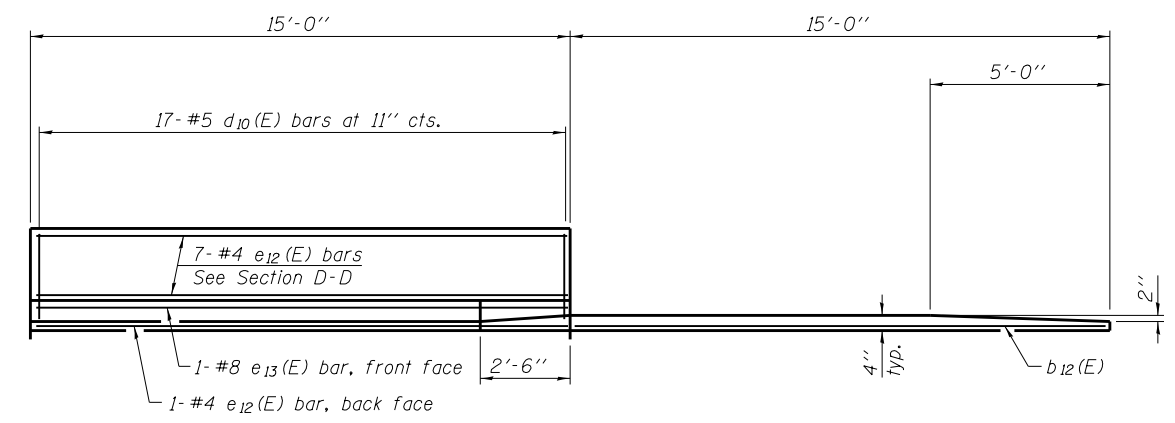
Notes:
 See sheet 15 of 25 for Detail A and Views B-B & F-F.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach Slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v(E) bar details, see sheet 10 of 25.
 The approach footing maximum applied service bearing pressure (Omax) = 2.0 ksf.
 For bar splicer details, see sheet 21 of 25.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 25.
 For additional parapet details, see sheet 10 of 25.



* Tilt #9 b11(E) or b13(E) bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure (Approach Slab).

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	25	#4	27'-3"	—
a11(E)	46	#5	27'-3"	—
a12(E)	32	#6	6'-6"	—
a13(E)	25	#4	20'-8"	—
a14(E)	46	#5	20'-7"	—
a15(E)	1	#4	11'-11"	—
a16(E)	1	#5	12'-8"	—
b10(E)	41	#4	29'-8"	—
b11(E)	98	#9	29'-9"	—
b12(E)	2	#4	14'-8"	—
b13(E)	36	#9	19'-2"	—
d10(E)	17	#5	5'-7"	—
d12(E)	17	#5	7'-11"	—
e12(E)	8	#4	14'-8"	—
e13(E)	1	#8	14'-8"	—
t10(E)	104	#4	9'-8"	—
t11(E)	12	#4	8'-2"	—
w11(E)	40	#5	20'-7"	—
w12(E)	40	#5	19'-8"	—
w13(E)	40	#5	7'-4"	—
w14(E)	40	#5	12'-0"	—
Concrete Superstructure			Cu. Yd.	1.7
Concrete Superstructure (Approach Slab)			Cu. Yd.	71.9
Concrete Structures			Cu. Yd.	15.5
Reinforcement Bars, Epoxy Coated			Pound	20,100
Bridge Deck Grooving			Sq. Yd.	127
Protective Coat			Sq. Yd.	141



SECTION G-G

(Northeast corner shown, Southeast corner similar)

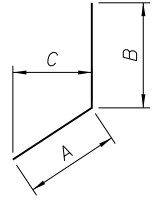
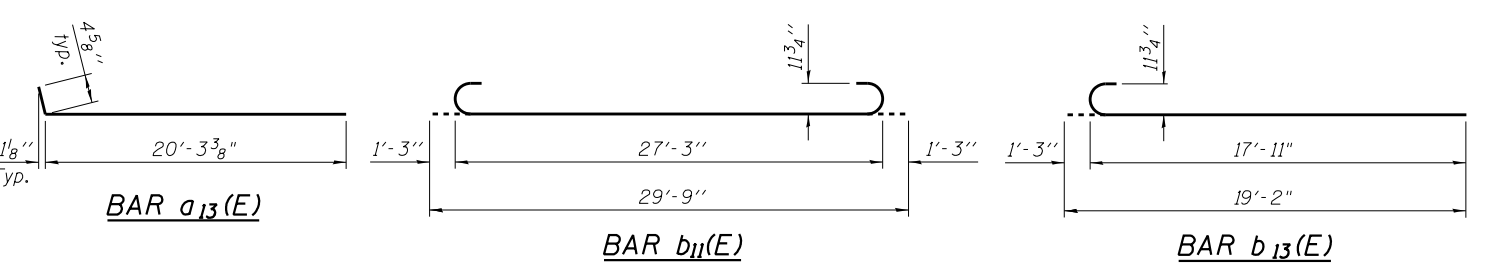


TABLE OF DIMENSIONS

Bar	A	B	C
a15(E)	9'-0"	2'-11"	5'-4"
a16(E)	9'-0"	3'-8"	5'-4"
w13(E)	3'-8"	3'-8"	2'-2"

VIEW E-E



(Sheet 2 of 2)

FILE NAME = F:\2015\0566_1001.D3 Various Phase II (PTB 145-18) M012.13 & 14\0566-01 IUS_34 cover Vermin11\tech\04-CADD\0366653-51-E-Appr-Slab2.dgn



USER NAME =	DESIGNED - LAS	REVISED
PLOT SCALE =	CHECKED - PMM	REVISED
PLOT DATE	DRAWN - TCS	REVISED
	CHECKED - 08/15/2017	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EAST BRIDGE APPROACH SLAB DETAILS 2
 STRUCTURE NO. 050-0257**

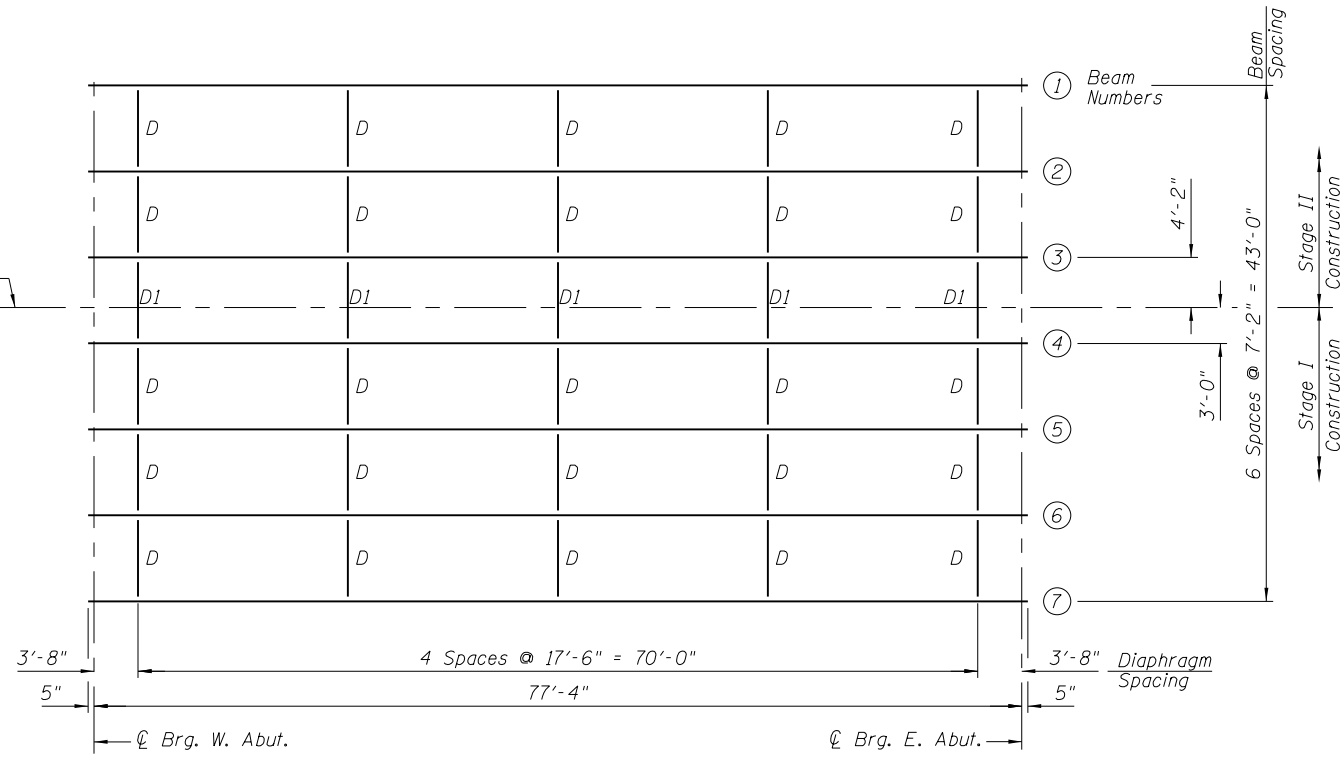
SCALE: SHEET S-16 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	38
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

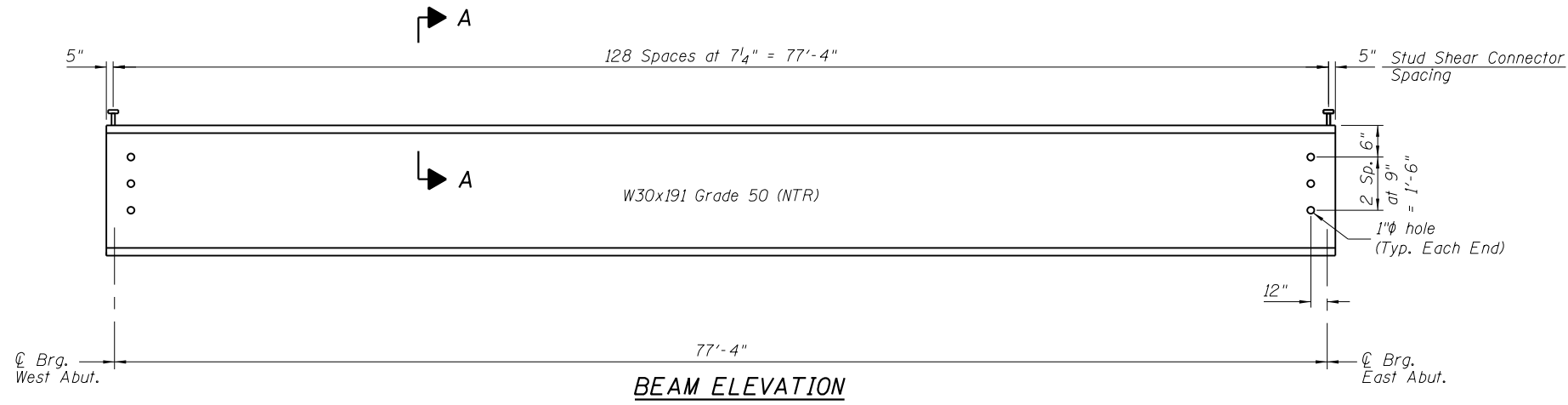
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☉ & PGL U.S. Rte. 34 & Stage Construction Line

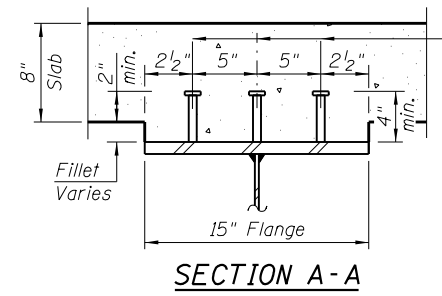


FRAMING PLAN



BEAM ELEVATION

Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.



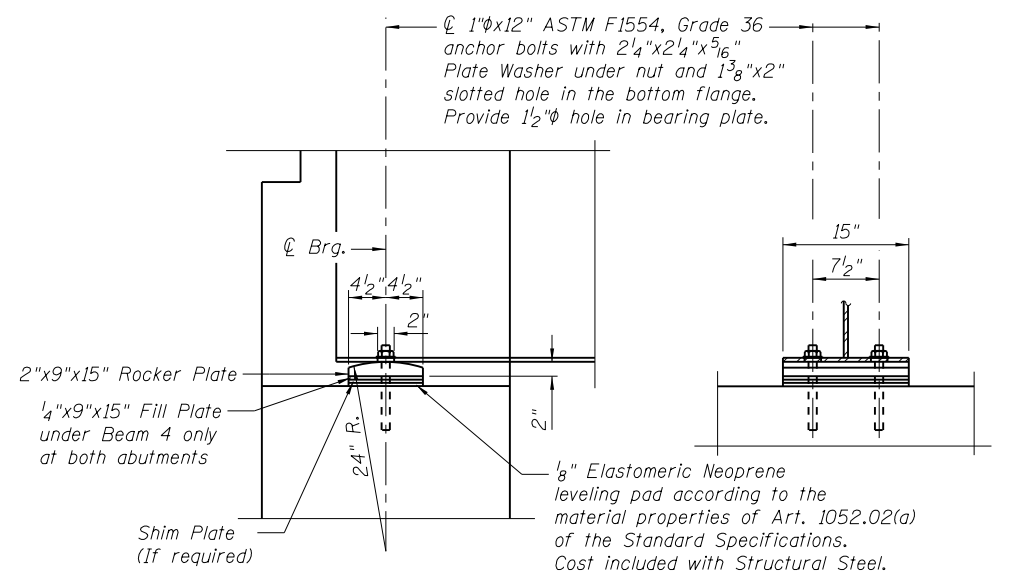
SECTION A-A

3/4" Granular or solid flux filled headed studs automatically end welded to flange. (No. Req'd. = 2,709)

TOP OF BEAM ELEVATIONS

(For Fabrication Only)

Beam	☉ Brg. W. Abut.	☉ Brg. E. Abut.
1	726.64	726.73
2	726.78	726.87
3	726.88	726.98
4	726.90	727.00
5	726.79	726.89
6	726.66	726.76
7	726.52	726.61



ABUTMENT BEARING DETAILS

Notes:
 Anchor bolts shall be ASTM F1554, Grade 36 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 Load carrying components designated "NTR" shall conform to the Impact Testing Requirements, Zone 2.
 The structural steel plates of the fixed bearings shall conform to the requirements of AASHTO M270 Grade 50.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	28

Note:
 All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

Notes:
 All dimensions are horizontal.
 Work this sheet with Sheet S-18.



USER NAME =	DESIGNED - LAS	REVISED
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PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE =	CHECKED - 08/15/2017	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN
 STRUCTURE NO. 050-0257**

SCALE: SHEET S-17 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	39
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

INTERIOR GIRDER MOMENT TABLE		
		0.5 Sp. 1
I_s	(in ⁴)	9,170
$I_c(n)$	(in ⁴)	22,844
$I_c(3n)$	(in ⁴)	16,470
$I_c(cr)$	(in ⁴)	-
S_s	(in ³)	598
$S_c(n)$	(in ³)	843
$S_c(3n)$	(in ³)	758
$S_c(cr)$	(in ³)	-
DC1	(k/')	0.972
M _{DC1}	(k)	727
DC2	(k/')	0.129
M _{DC2}	(k)	96
DW	(k/')	0.329
M _{DW}	(k)	246
$M_{\frac{1}{2}} + 1M$	(k)	1,194
M_u (Strength I)	(k)	3,487
$\phi_r M_n$	(k)	3,958
f_s DC1	(ksi)	14.6
f_s DC2	(ksi)	1.5
f_s DW	(ksi)	3.9
f_s ($\frac{1}{2} + 1M$)	(ksi)	17.0
f_s (Service II)	(ksi)	42.1
$0.95R_n F_y f$	(ksi)	47.5
f_s (Total)(Strength I)	(ksi)	-
$\phi_r F_n$	(ksi)	-
V_r	(k)	25.6

INTERIOR GIRDER REACTION TABLE		
		Abut.
R _{DC1}	(k)	37.6
R _{DC2}	(k)	5.0
R _{DW}	(k)	12.7
R $\frac{1}{2} + 1M$	(k)	88.2
R _{Total}	(k)	143.5

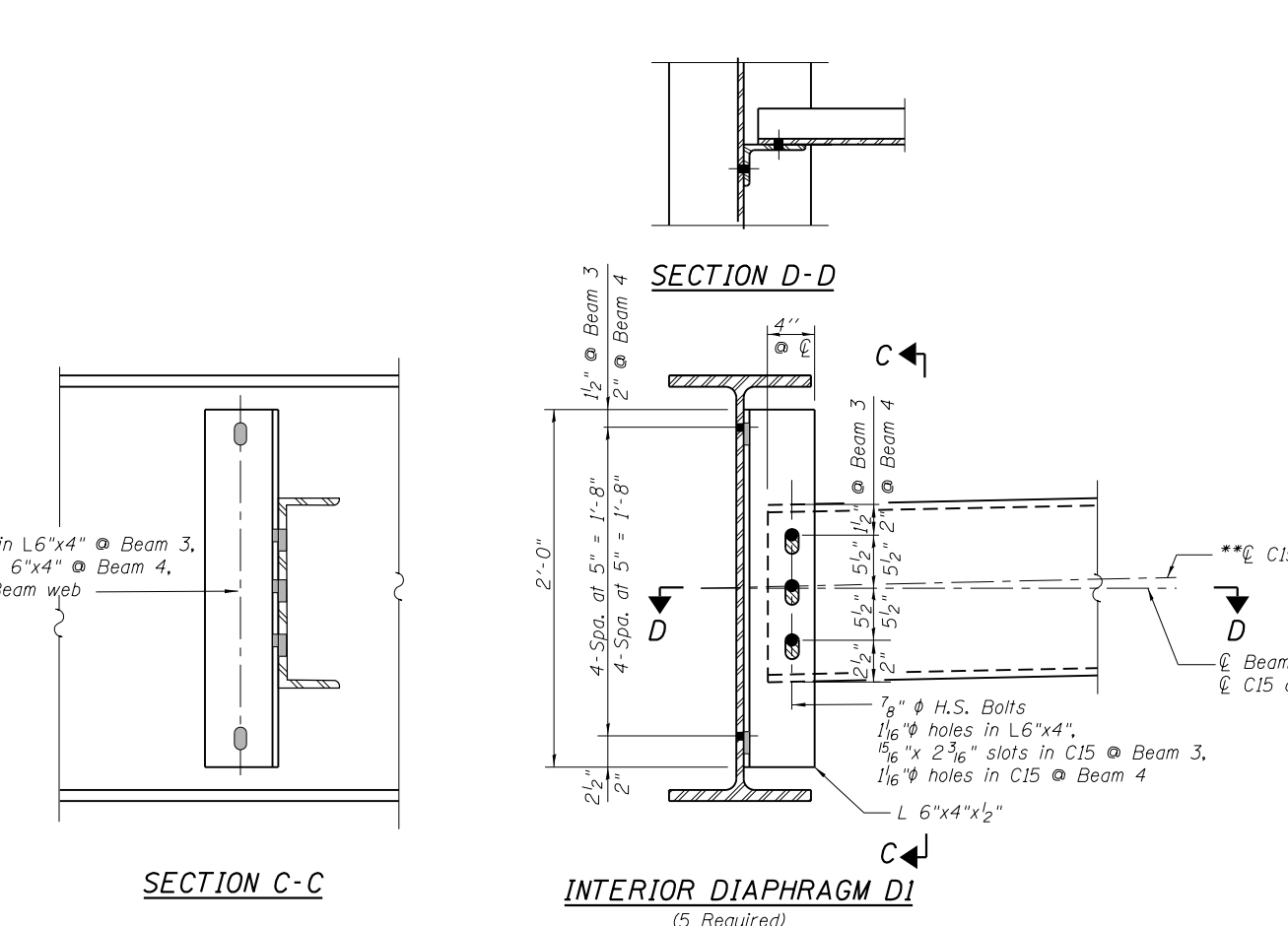
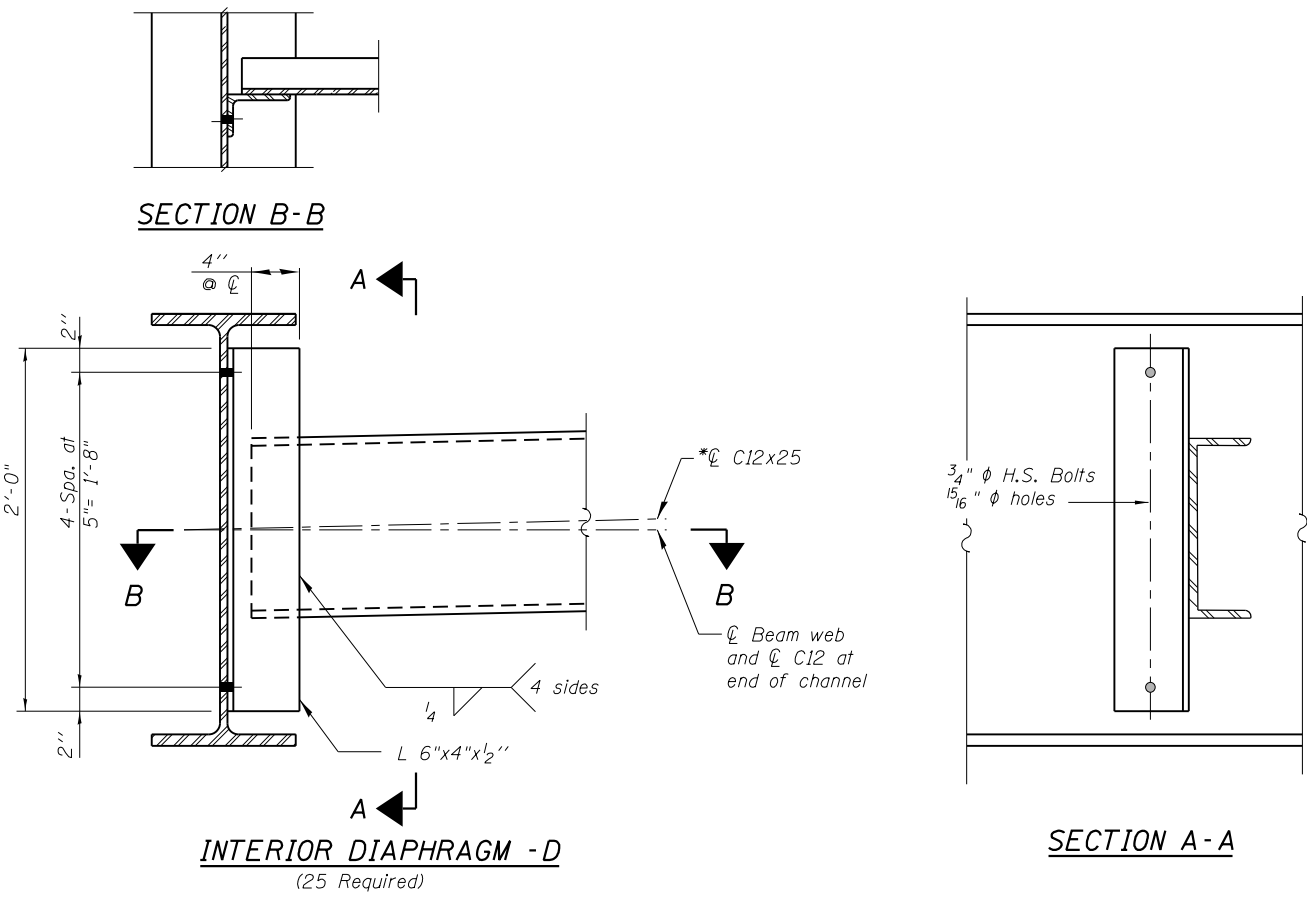
I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in⁴ and in³).

$I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in⁴ and in³).

$I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in⁴ and in³).

$I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in⁴ and in³).

DC1: Un-factored non-composite dead load (kips/ft.).
M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
 $M_{\frac{1}{2}} + 1M$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
 M_u (Strength I): Factored design moment (kip-ft.).
 $1.25(M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_{\frac{1}{2}} + 1M$
 $\phi_r M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).
 f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
 M_{DC1} / S_{nc}
 f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
 $M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.
 f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
 $M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.
 f_s ($\frac{1}{2} + 1M$): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
 $M_{\frac{1}{2}} + 1M / S_c(n)$ or $M_{\frac{1}{2}} + 1M / S_c(cr)$ as applicable.
 f_s (Service II): Sum of stresses as computed below (ksi).
 $f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3 f_s(\frac{1}{2} + 1M)$
 $0.95R_n F_y f$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).
 f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
 $1.25(f_{sDC1} + f_{sDC2}) + 1.5 f_{sDW} + 1.75 f_s(\frac{1}{2} + 1M)$
 $\phi_r F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).
 V_r : Maximum factored shear range in span computed according to Article 6.10.10.



Notes:
Two hardened washers required for each set of oversized holes.
Alternate channels *C12X30 or **C15X50 are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section. The alternate, if utilized, shall be provided at no additional cost to the Department.
Bolts in slots shall be finger tight until the second stage pour is complete. Position slots so bolts start at one end with no concrete load and finish near the opposite end under deck load, allowing maximum displacement without laterally stressing main members.

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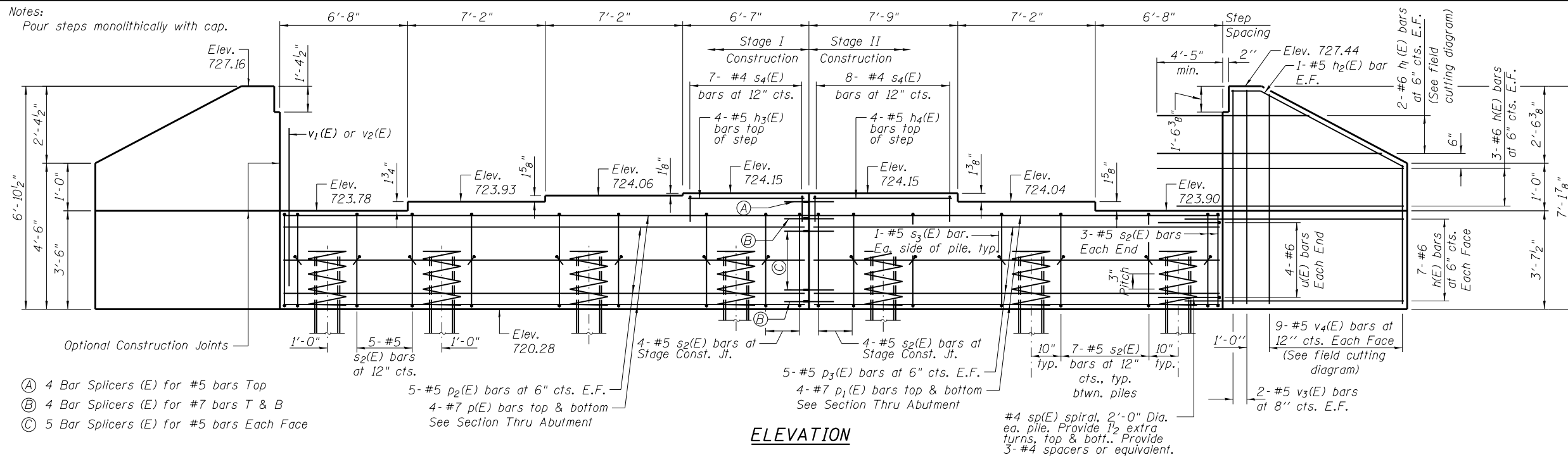
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	CHECKED - PMM	REVISED
PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE =	CHECKED - 08/15/2017	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS	
STRUCTURE NO. 050-0257	
SCALE:	SHEET S-18 OF S-25 SHEETS STA. TO STA.

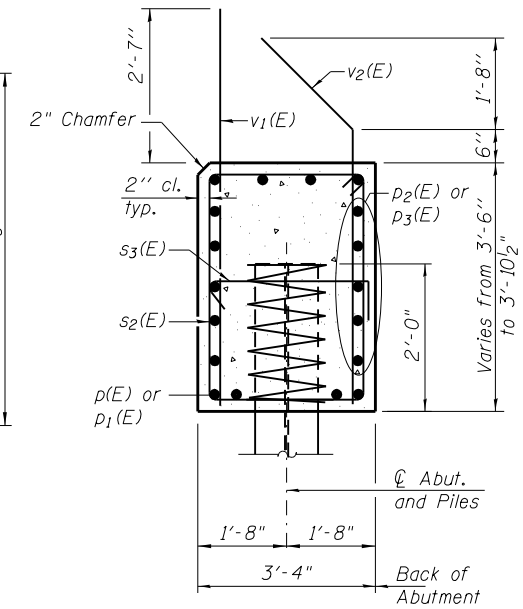
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	40
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

Notes:
Pour steps monolithically with cap.



- (A) 4 Bar Splicers (E) for #5 bars Top
- (B) 4 Bar Splicers (E) for #7 bars T & B
- (C) 5 Bar Splicers (E) for #5 bars Each Face

ELEVATION



SEC. THRU ABUT.

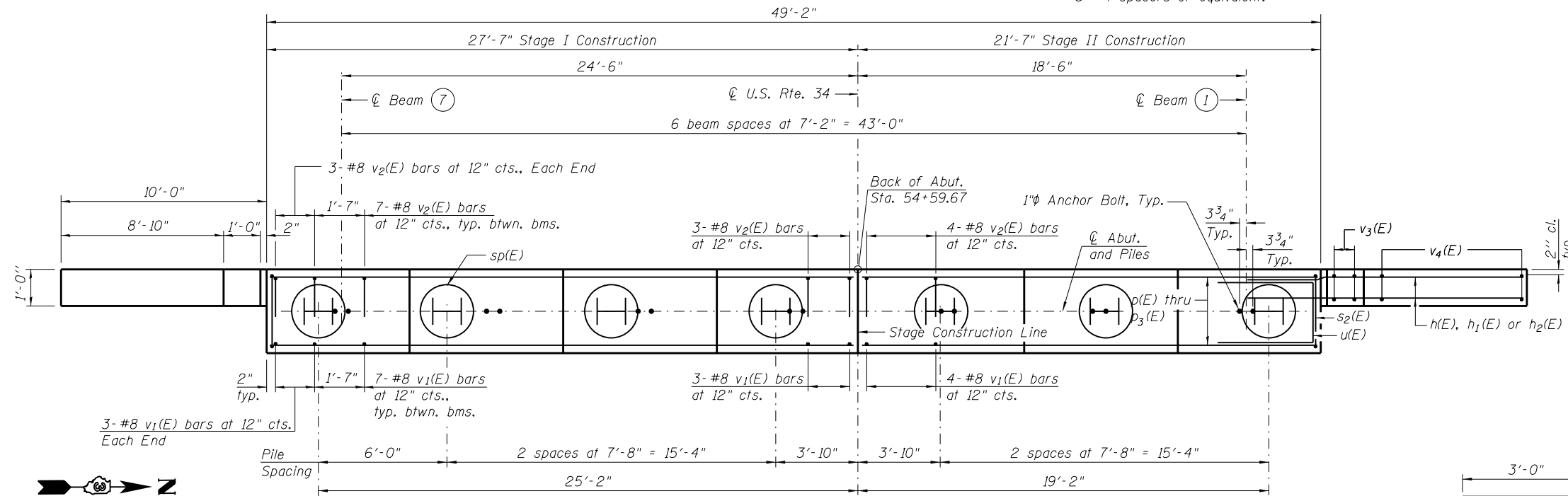
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	40	#6	14'-3"	—
h1(E)	4	#6	23'-10"	—
h2(E)	4	#5	9'-7"	—
h3(E)	4	#5	6'-3"	—
h4(E)	4	#5	7'-5"	—
p(E)	8	#7	27'-3"	—
p1(E)	8	#7	21'-3"	—
p2(E)	10	#5	27'-3"	—
p3(E)	10	#5	21'-3"	—
s2(E)	47	#5	13'-3"	□
s3(E)	14	#5	4'-0"	┌
s4(E)	15	#4	5'-0"	└
*sp(E)	7	#4	2'-0"	≡
u(E)	8	#6	10'-8"	└
v1(E)	48	#8	5'-11"	—
v2(E)	48	#8	6'-2"	—
v3(E)	8	#5	6'-7"	—
v4(E)	18	#5	10'-5"	—
Structure Excavation			Cu. Yd.	116
Concrete Structures			Cu. Yd.	27.0
Reinforcement Bars, Epoxy Coated			Pound	5,430
Furnishing Steel Piles HP 14x73			Foot	462
Driving Piles			Foot	462
Test Pile, Steel HP 14x73			Each	1
Granular Backfill for Structures			Cu. Yd.	75
Geocomposite Wall Drain			Sq. Yd.	46
Pipe Underdrain for Structures, 4"			Foot	91

For details of HP piles, see sheet 22 of 25.

Space reinforcement to miss anchor bolts.

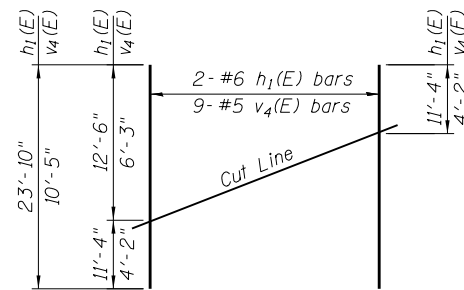
* Length is height of spiral.



PLAN

PILE DATA

Type: HP14x73
Nominal Required Bearing: 521k
Factored Resistance Available: 287k
Est. Length: 77'
No. Production Piles: 6
No. Test Piles: 1



FIELD CUTTING DIAGRAM

Order h1(E) and v4(E) full length. Cut as shown and use remainder of bars in opposite face.

BAR v2(E) & h2(E)

BAR s2(E)

BAR s3(E)

BAR u(E)

AI-2440S-0

8-31-12



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PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE	CHECKED - 08/15/2017	REVISED

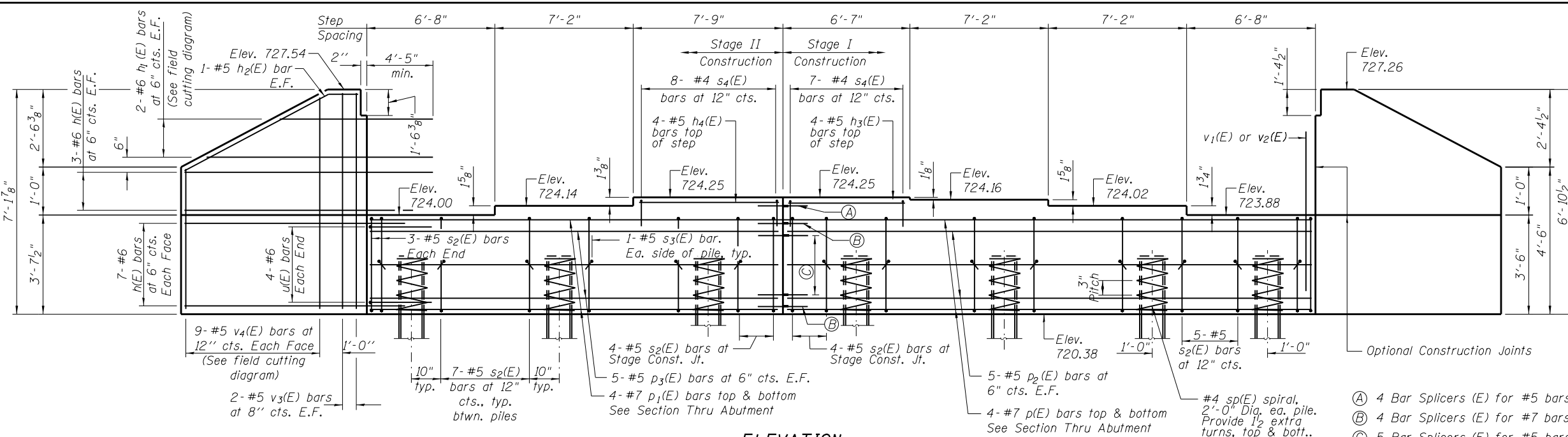
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 050-0257

SCALE: SHEET S-19 OF S-25 SHEETS STA. TO STA.

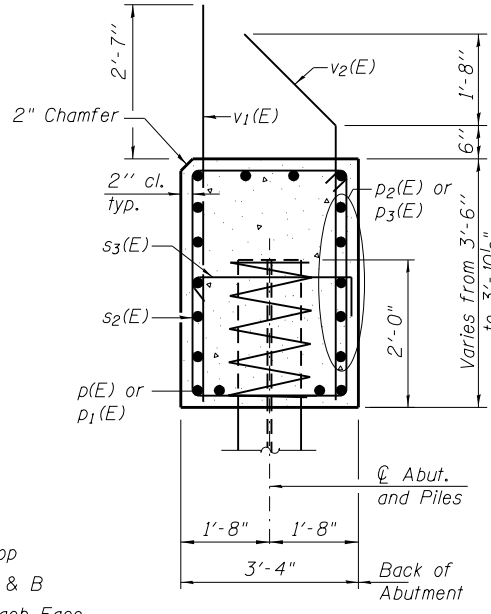
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	41
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

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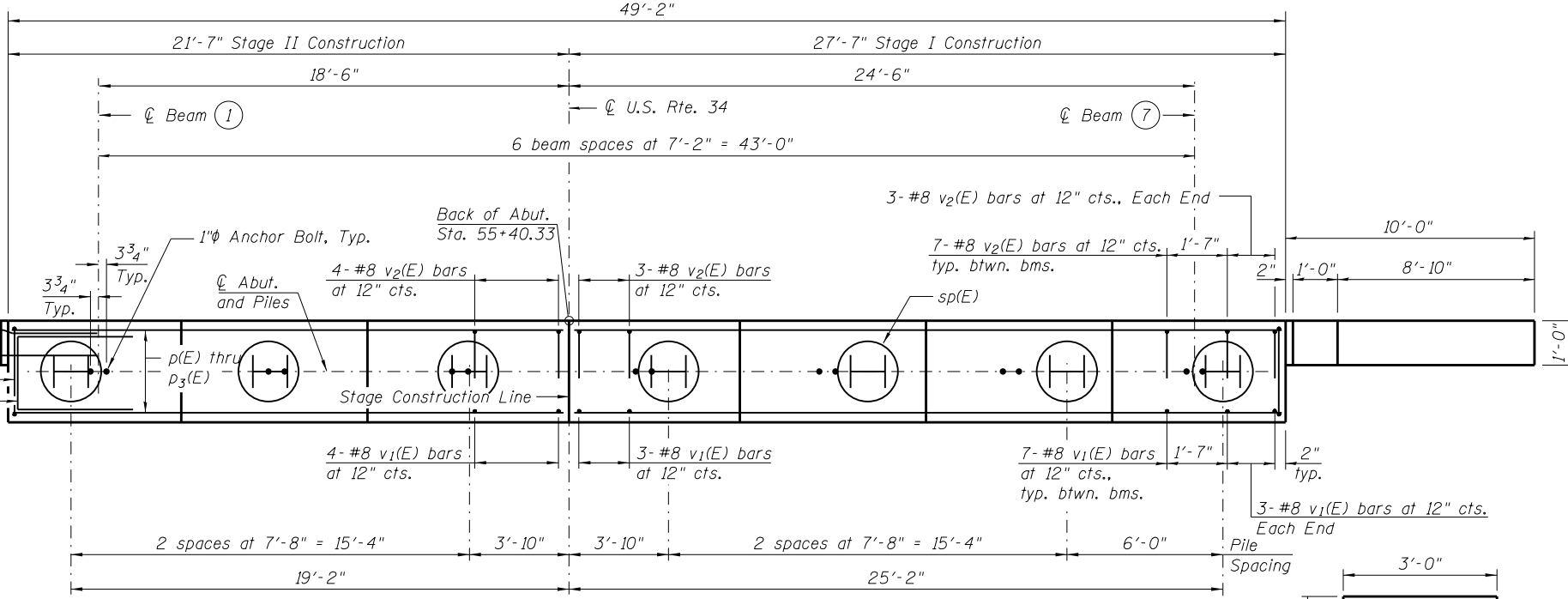


Notes:
Pour steps monolithically with cap.

ELEVATION



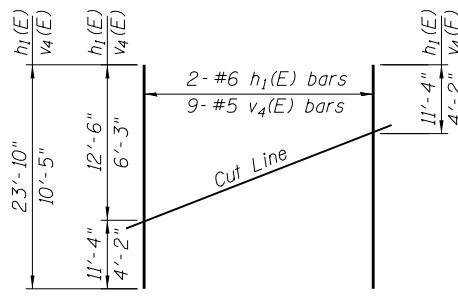
SEC. THRU ABUT.



PLAN

PILE DATA

Type: HP14x73
Nominal Required Bearing: 483k
Factored Resistance Available: 266k
Est. Length: 62'
No. Production Piles: 6
No. Test Piles: 1



FIELD CUTTING DIAGRAM

Order h₁(E) and v₄(E) full length. Cut as shown and use remainder of bars in opposite face.

BAR v₂(E) & h₂(E)

BAR s₂(E)

BAR s₃(E)

BAR u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	40	#6	14'-3"	—
h ₁ (E)	4	#6	23'-10"	—
h ₂ (E)	4	#5	9'-7"	—
h ₃ (E)	4	#5	6'-3"	—
h ₄ (E)	4	#5	7'-5"	—
p(E)	8	#7	27'-3"	—
p ₁ (E)	8	#7	21'-3"	—
p ₂ (E)	10	#5	27'-3"	—
p ₃ (E)	10	#5	21'-3"	—
s ₂ (E)	47	#5	13'-3"	□
s ₃ (E)	14	#5	4'-0"	┌
s ₄ (E)	15	#4	5'-0"	┌
*sp(E)	7	#4	2'-0"	≡≡≡
u(E)	8	#6	10'-8"	┌
v ₁ (E)	48	#8	5'-11"	—
v ₂ (E)	48	#8	6'-2"	—
v ₃ (E)	8	#5	6'-7"	—
v ₄ (E)	18	#5	10'-5"	—
Structure Excavation			Cu. Yd.	18
Concrete Structures			Cu. Yd.	27.0
Reinforcement Bars, Epoxy Coated			Pound	5,430
Furnishing Steel Piles HP 14x73			Foot	372
Driving Piles			Foot	372
Test Pile, Steel HP 14x73			Each	1
Granular Backfill for Structures			Cu. Yd.	75
Geocomposite Wall Drain			Sq. Yd.	46
Pipe Underdrain for Structures, 4"			Foot	91

For details of HP piles, see sheet 22 of 25.

Space reinforcement to miss anchor bolts.

* Length is height of spiral

AI-2440S-0

8-31-12



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PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE	CHECKED - 08/15/2017	REVISED

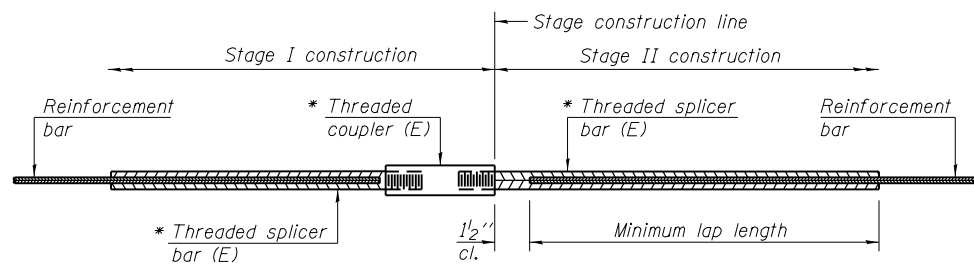
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT
STRUCTURE NO. 050-0257

SCALE: SHEET S-20 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	42
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\2015\0566_1001.D3 Various Phase II (PTB, 145-18)M012.13 & 14\0566-01 IUS_34 cover Vermillion\04-CADD\0366853-55-Eastabutment.dgn



STANDARD BAR SPLICER ASSEMBLY

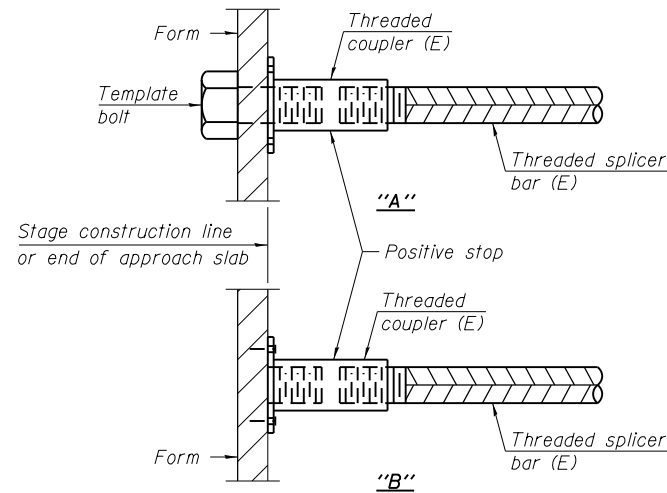
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"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

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

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

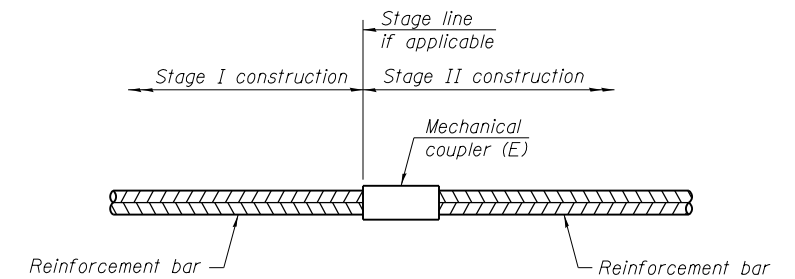
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck Slab	#5	264	5
Abutment Diaphragm	#6	14	6
Approach Slab	#4	50	6
Approach Slab	#5	172	5
Abutments	#5	28	6
Abutments	#7	16	6



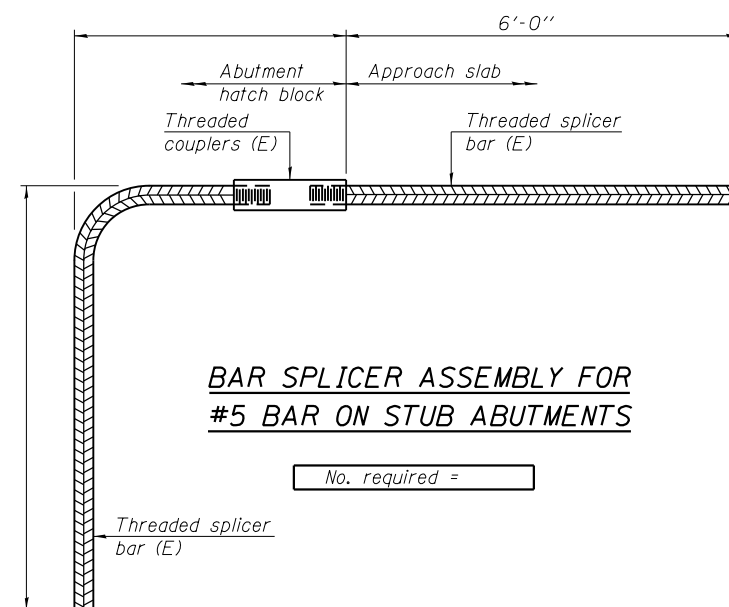
INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

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

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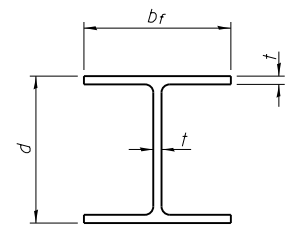
USER NAME =	DESIGNED - LAS	REVISED
	CHECKED - PMM	REVISED
PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE =	CHECKED - 08/15/2017	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 050-0257

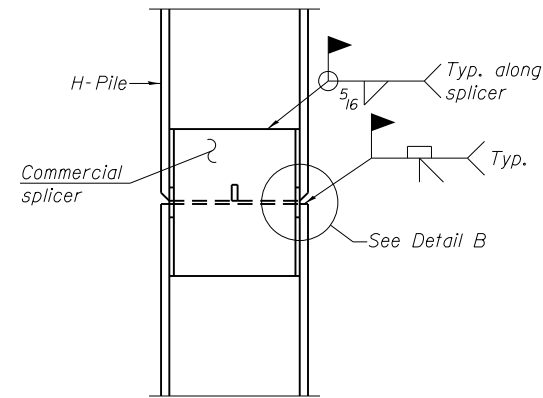
SCALE: SHEET S-21 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	43
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

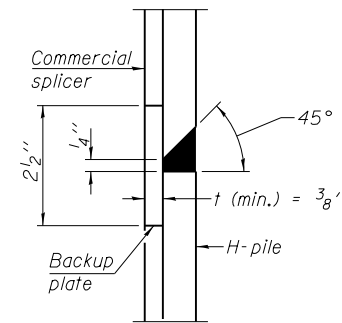


STEEL PILE TABLE

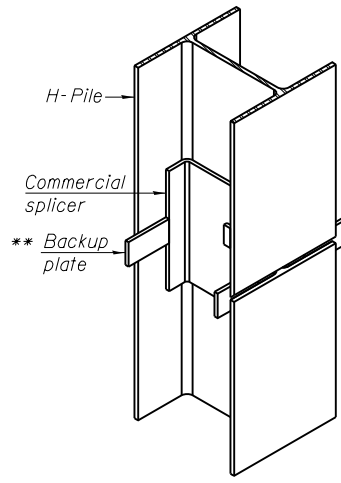
Designation	Depth d	Flange width b _f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

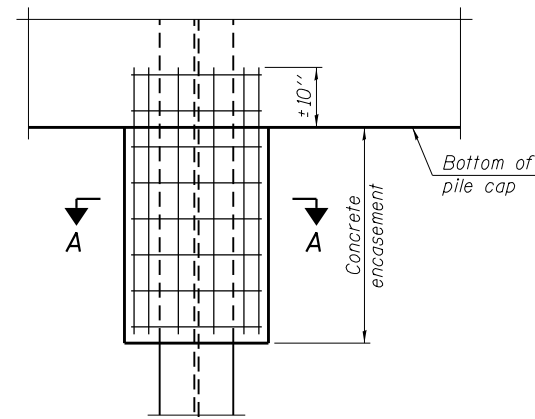


DETAIL "B"



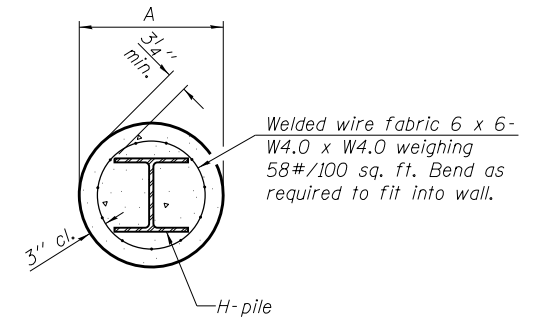
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



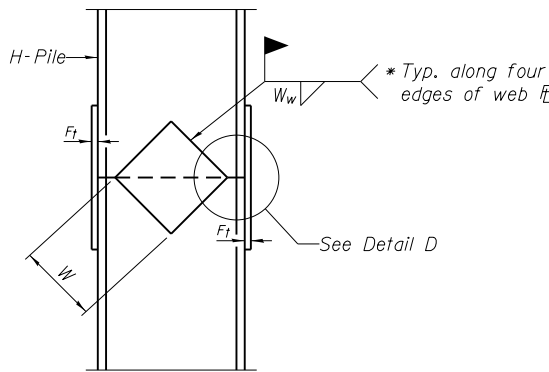
ELEVATION

PILE ENCASEMENT

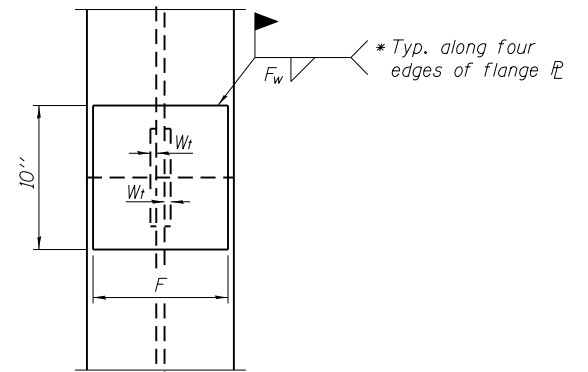


SECTION A-A

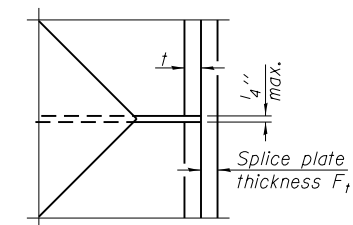
Note:
Forms for encasement may be omitted when soil conditions permit.



ELEVATION



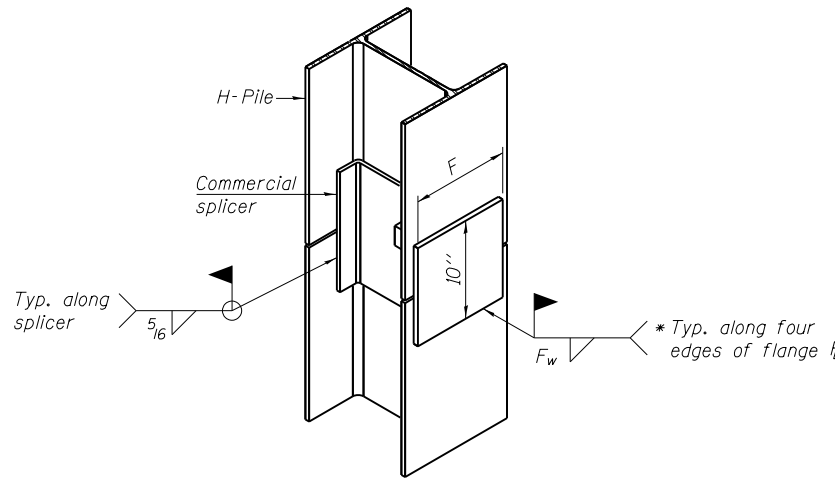
END VIEW



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

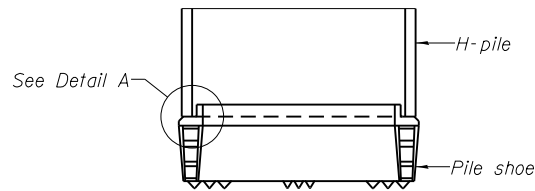


ISOMETRIC VIEW

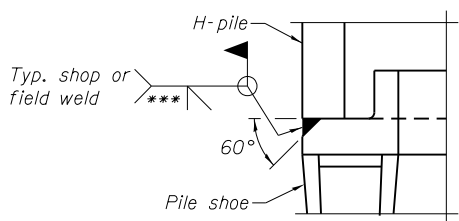
WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT

FILE NAME = F:\2015\0566_1001.D3 Various Phase II (PTB_145-18).WDI2.13 & 14\0566-01 IUS_34 cover Vermillion\04-CADD\0366853-57-HP Pile Detail.dgn

F-HP 1-27-12

USER NAME =	DESIGNED - LAS	REVISED
	CHECKED - PMM	REVISED
PLOT SCALE =	DRAWN - TCS	REVISED
PLOT DATE =	CHECKED - 08/15/2017	REVISED

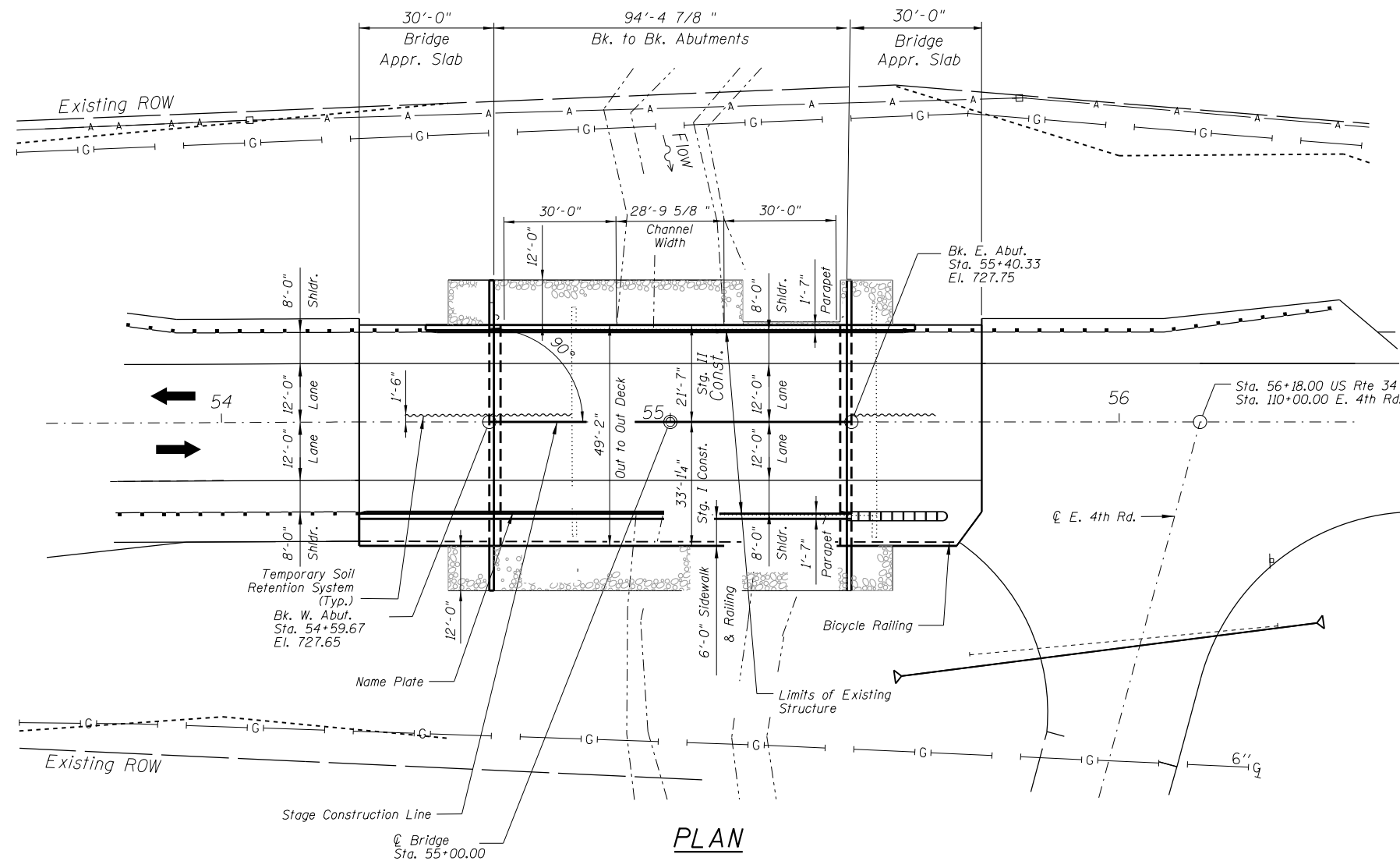
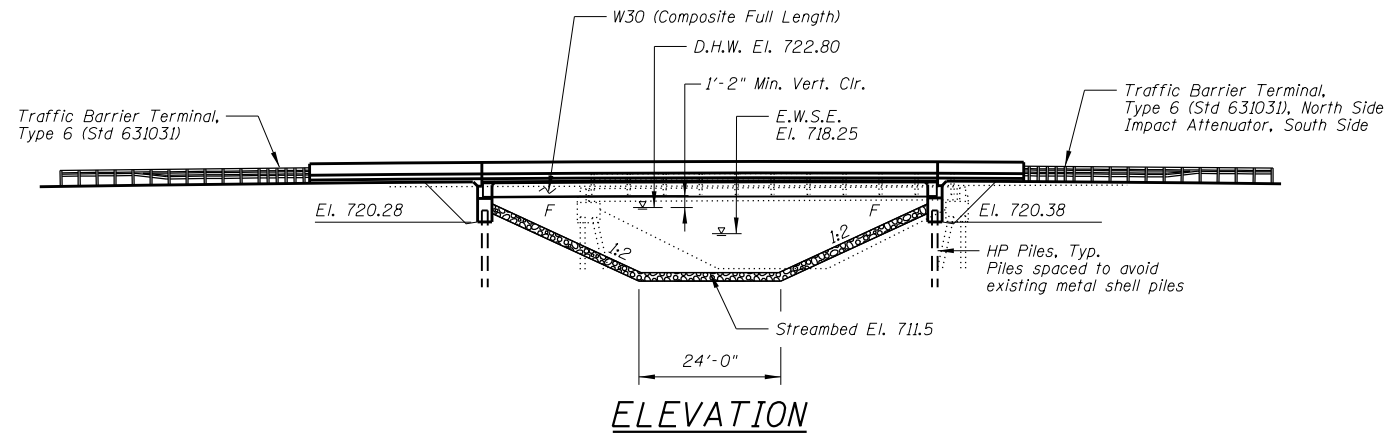
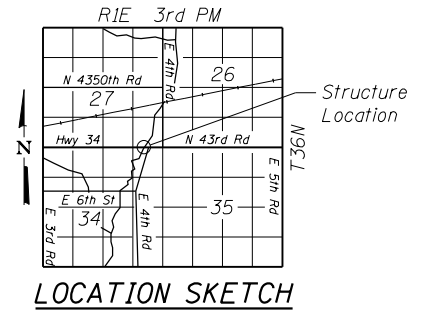
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HP PILE DETAILS STRUCTURE NO. 050-0257	
SCALE:	SHEET S-22 OF S-25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	44
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				



Exhibit



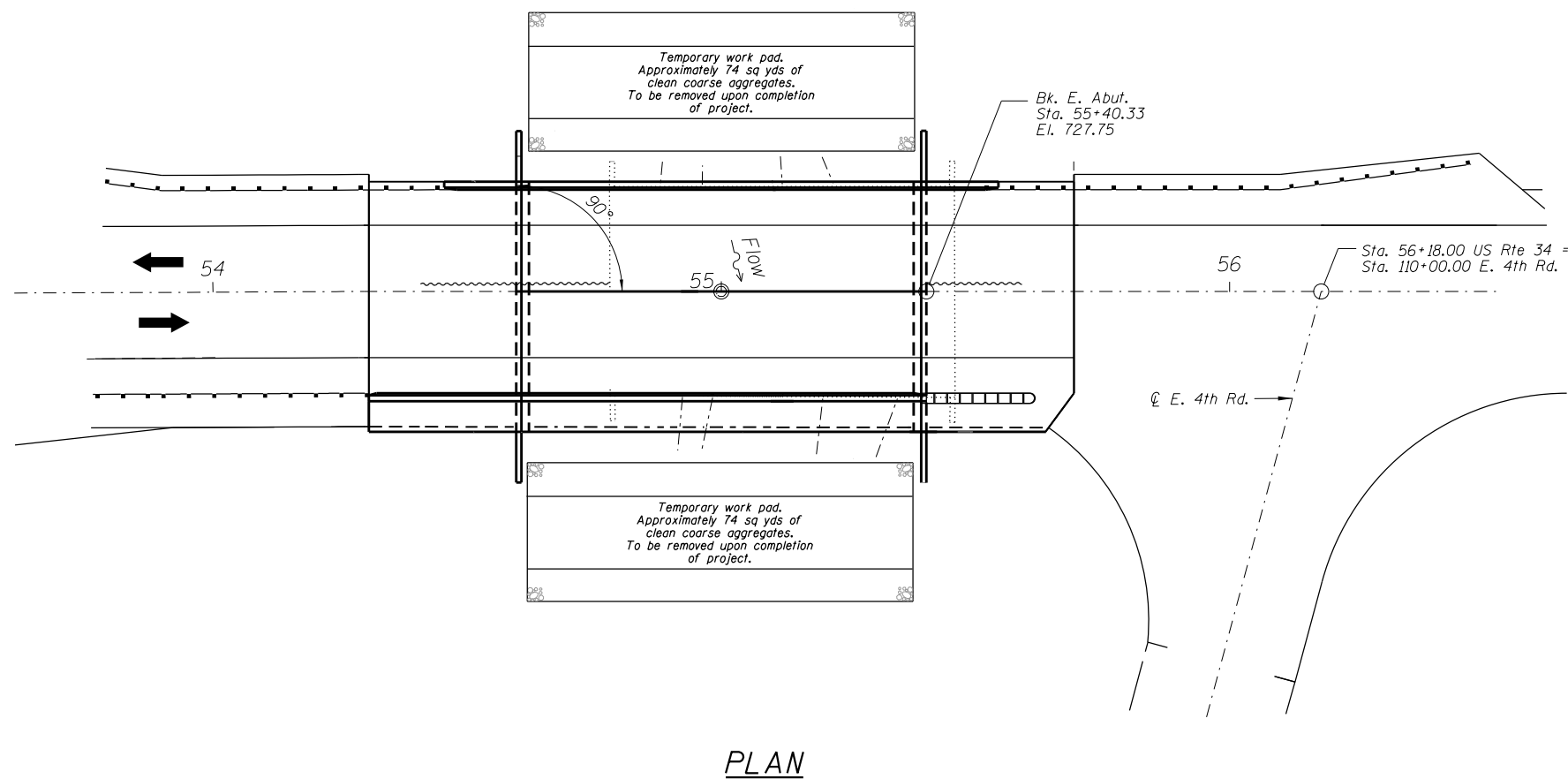
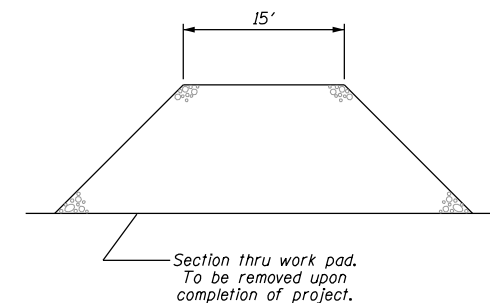
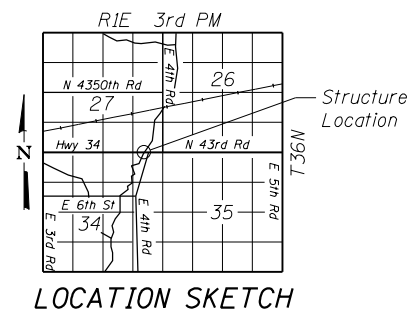
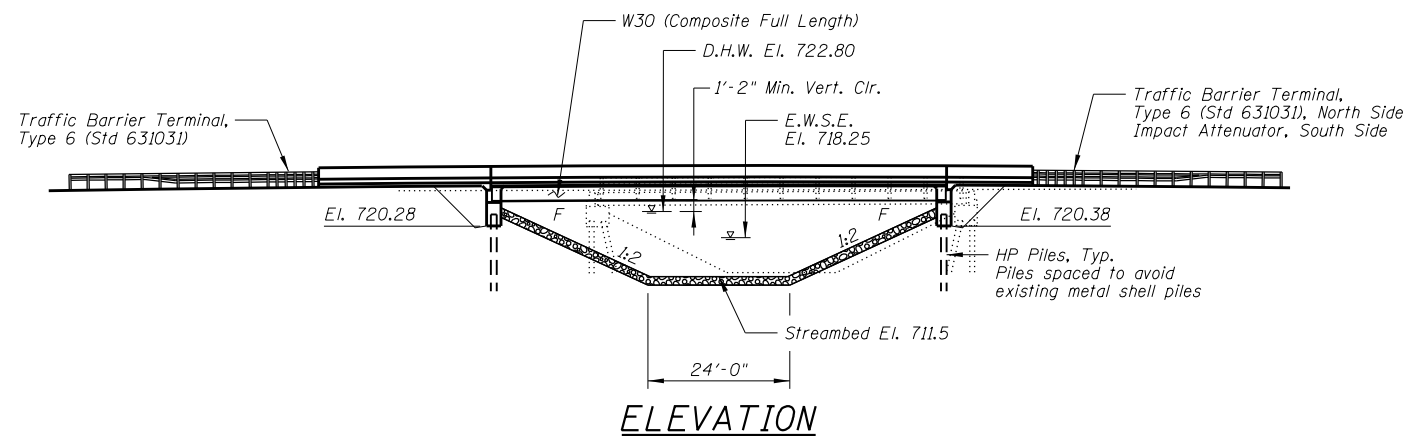
GENERAL PLAN & ELEVATION
US RTE. 34 OVER LITTLE VERMILION RIVER
FAP 587 (US 34) SECTION (20) BR
LA SALLE COUNTY
STA. 55+00.00
EXISTING STRUCTURE NO. 050-0189
PROPOSED STRUCTURE NO. 050-0257

Not to Scale

FILE NAME = 4366853-48-permitcauseway.dgn

	USER NAME = lbozenius	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING SN 050-0189 404 PERMIT CAUSEWAY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -			587	(20)BR	LASALLE	69	48
	PLOT DATE = 8/15/2017	CHECKED -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS		STA.	TO STA.	
		DATE = 8/15/17	REVISED -						ILLINOIS FED. AID PROJECT	
									CONTRACT NO. 66853	

Exhibit



Not to Scale

GENERAL PLAN & ELEVATION
US RTE. 34 OVER LITTLE VERMILION RIVER
FAP 587 (US 34) SECTION (20) BR
LA SALLE COUNTY
STA. 55+00.00
EXISTING STRUCTURE NO. 050-0189
PROPOSED STRUCTURE NO. 050-0257

FILE NAME = 4366853-49-workpad.dgn



USER NAME = Ibolzenius	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2017	DATE = 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WORK PAD PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	49
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

B, M # 4 RR spike in S side power pole 29' left of Sta. 46+88 Elev. 731.12
 Existing Structure: #050-0119 Built 1925 as S.B.I. Rt. 18 Section 20-B at
 Sta. 55+21 (New) 55+15 (Old) Single span RC thru girder, Bk. Bk. Abuts. 43'-3"
 width face to face of rails - 22'-0" R.C. closed Abuts. The contractor shall
 remove the existing structure and replace with a single span P.P.C.
 Dk. Bms. on pile bent abuts. No salvage.
 Traffic shall be detoured on the N. side.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
20BR	20BR	LASALLE	113	50

SHEET NO. 1
8 SHEETS

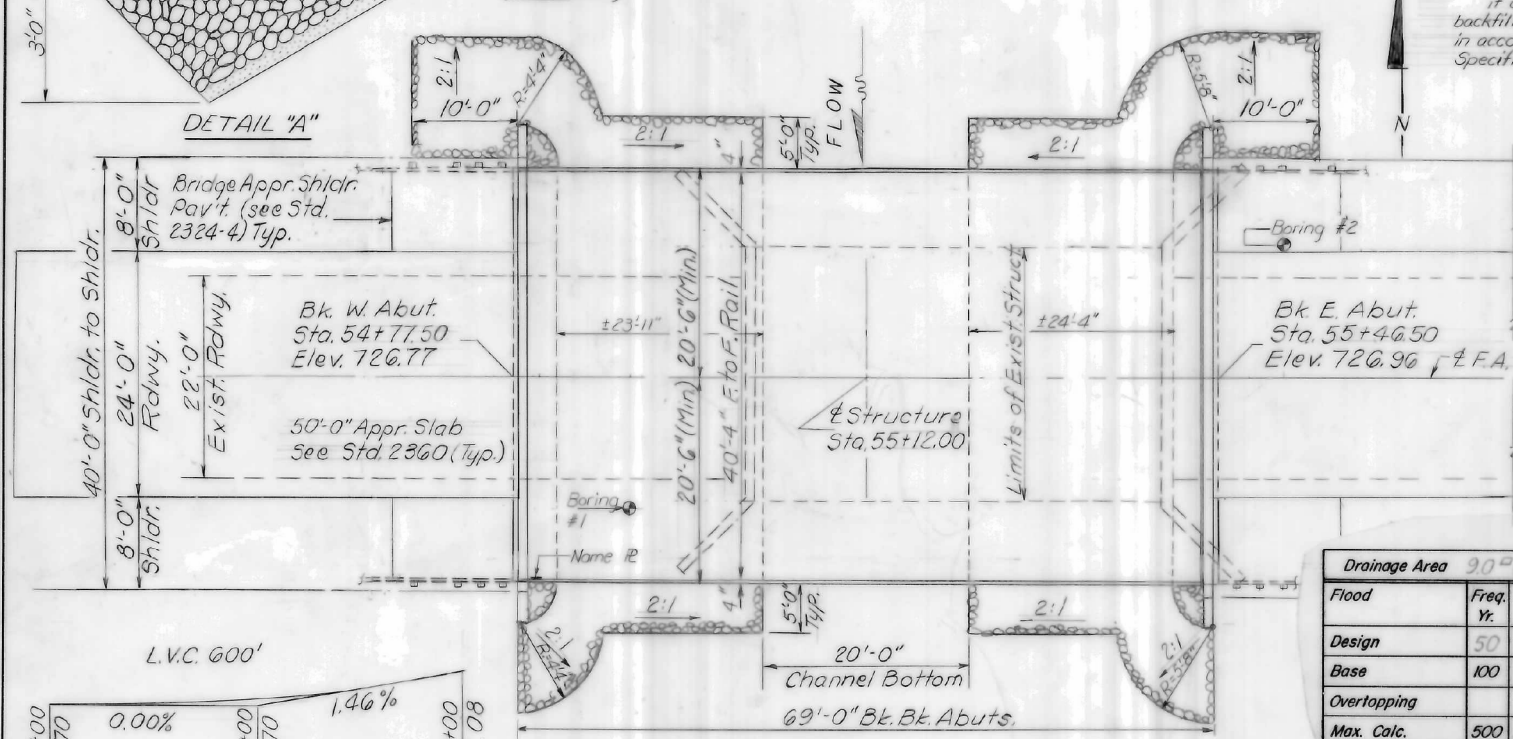
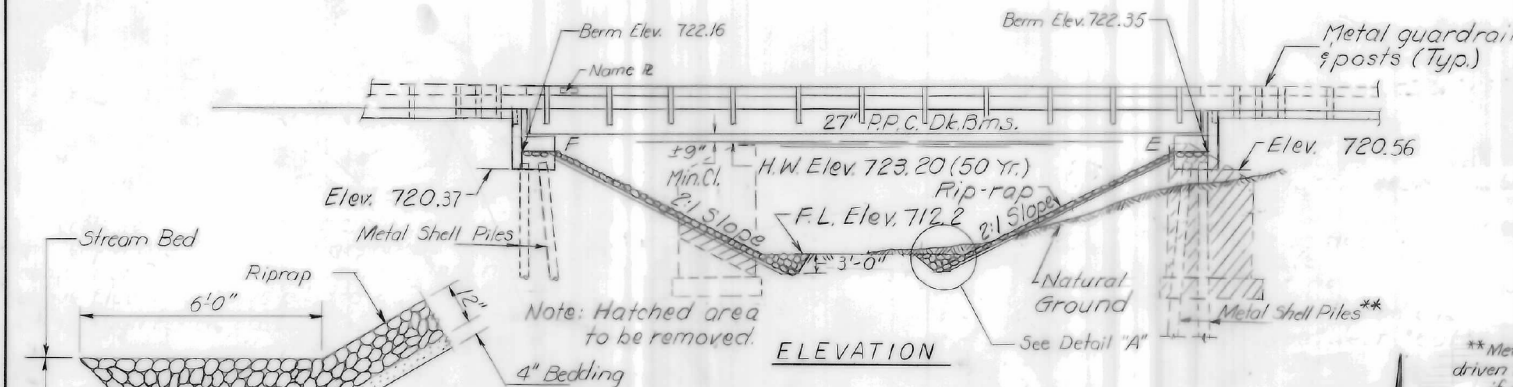
GENERAL NOTES

See Proposal for Boring Data.
 All structural steel shall be shop painted with two coats of basic lead silico chromate paint.

The contractor shall drive one Metal Shell test pile in a permanent location at the West Abutment as directed by the Engineer before ordering the remainder of piles.
 The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of 1/4".
 Reinforcement bars shall conform to the requirements of A.A.S.H.T.O. M-31 or M-53, Grade 60.
 Limits of Waterproofing Membrane System shall be from east end of deck beams to 2'-0" beyond west end of deck beams and out to out of deck.
 The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Removal of Existing Structures No. 2	Each			1
Bituminous Concrete Surface Course, Class I	Tons	45		45
Structural Steel	Pound	2910		2910
Class X Concrete	Cu. Yd.	14.5	42.8	57.3
Reinforcement Bars	Pound	130	3490	3620
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	2700		2700
Steel Railing, Type S-1	Lin. Ft.	132		132
Pretreated Joint Seal (2 1/2")	Lin. Ft.	42		42
Waterproofing Membrane System	Sq. Yd.	312		312
Structure Excavation	Cu. Yd.		114	114
Stone Riprap	Sq. Yd.		347	347
Metal Shell Piles 12"	Lin. Ft.		888	888
Test Piles Metal Shells	Each		1	1
Name Plates	Each		1	1
Portland Cement Mortar facing Course	Lin. Ft.	659		659



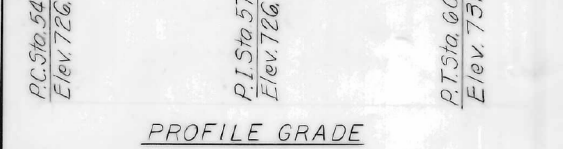
WATERWAY INFORMATION

Drainage Area		Low Grade Elev.		@ Sta. 53+00		
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E.	Head - Ft. Exist. Prop.	Headwater El. Exist. Prop.
Design	50	2300	245 457	723.2	0.7 0.20	723.9 723.4
Base	100	2648	245 489	723.7	0.9 0.26	724.6 723.9
Overlapping						
Max. Calc.	500	3467	245 515	724.6	1.15 0.38	725.8 724.9

STATION 55+12.00
 BUILT 19 BY
 STATE OF ILLINOIS
 F.A. RT. 587 SEC. 20 BR
 PROJECT BR-F-F-587(3)
 LOADING HS 20
 + STR NO.

NAME PLATE
 (See Std. 2113)

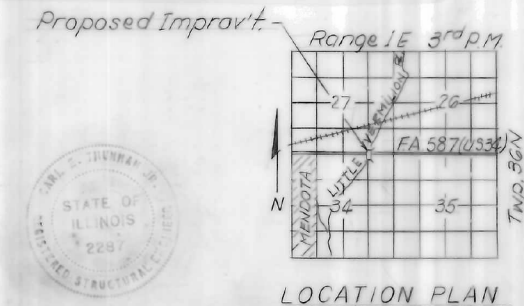
*Structure Number to be supplied by District.



DESIGNED	Jim Kohout	EXAMINED	SEPTEMBER 3 1980
CHECKED	Suresh Desai	PASSED	
DRAWN	R. Doty	APPROVED	
CHECKED	S.D.		

FIELD UNITS	PRECAST PRESTRESSED UNITS
$f'_c = 3500$ psi.	$f'_c = 5000$ psi.
$f_y = 60,000$ psi. (Reinf)	$f_{ci} = 4050$ psi. (27"x48" PPC Bms)
	$f_{ci} = 4950$ psi. (27"x36" Bms)
	$f'_s = 270,000$ psi. (6" Strands)
	$f'_s = 189,000$ psi. (1/2" Strands)

Design Specs. 1977AASHTO, 1976, 1974, 1960 Interim Specs as applicable.
 Allow 25#/sq.ft for future Wearing Surface
 Loading HS20-44



GENERAL PLAN
 OVER LITTLE VERMILION RIVER
 F.A. RT. 587 (U.S. 34) SEC. 20 BR
 LA SALLE COUNTY
 STA. 55+12.00

Revised: 5-7-81 R.D.

FILE NAME = d386853-58-ext-rdgr-1.dgn



USER NAME = jbolzenus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2017	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.

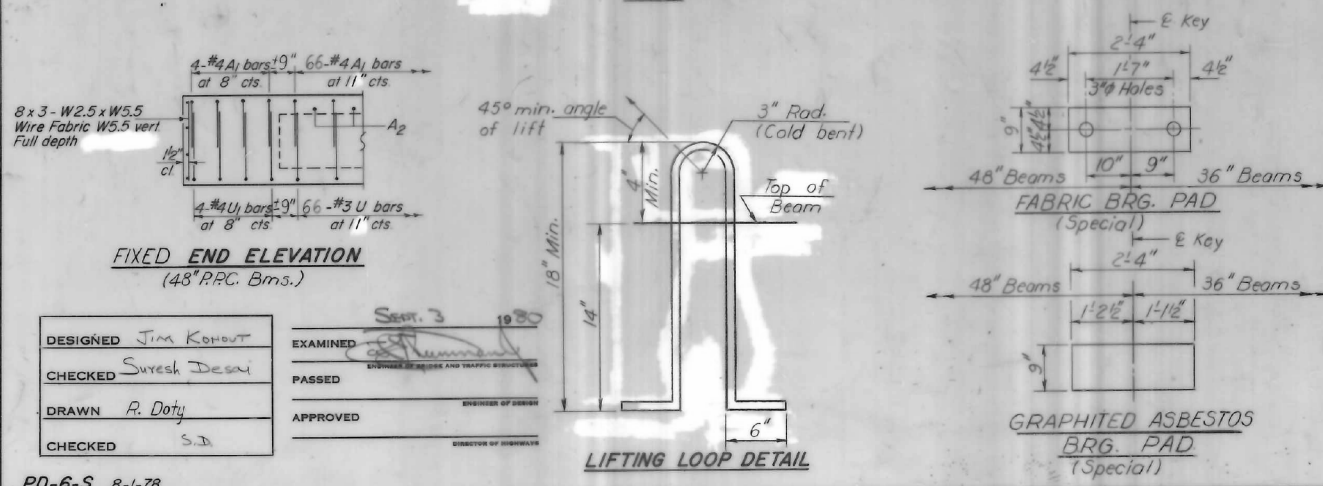
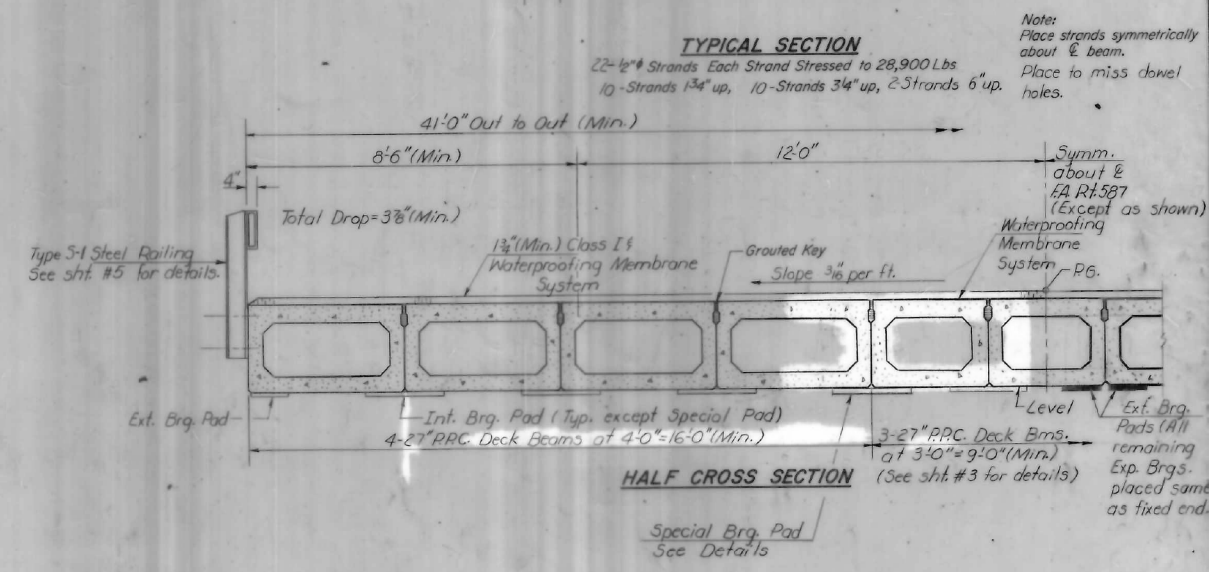
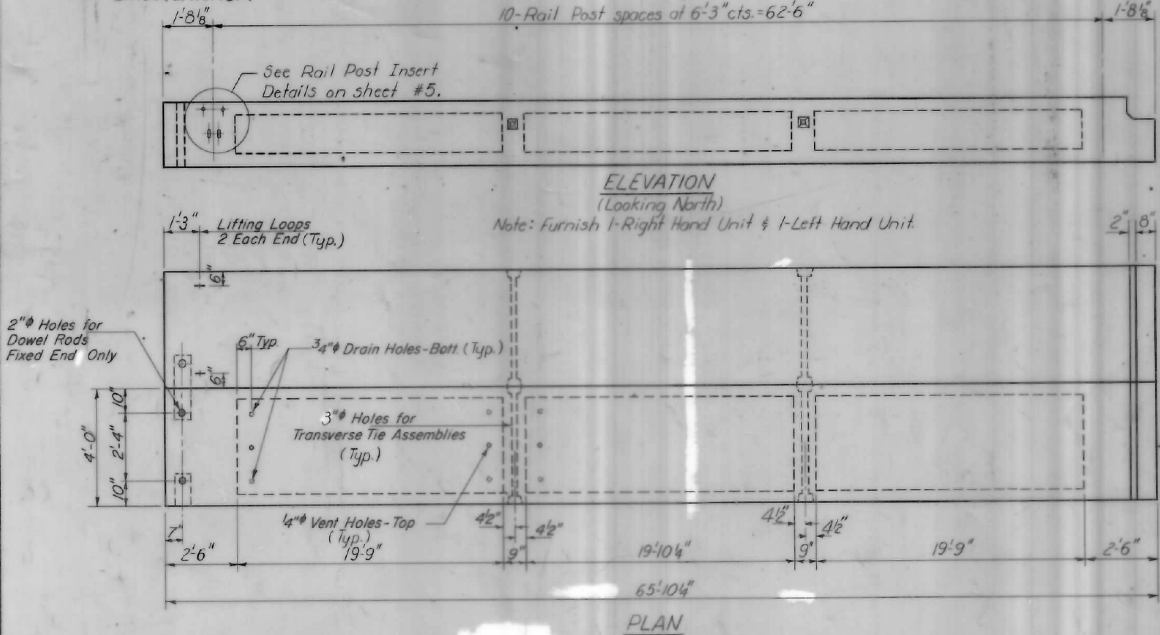
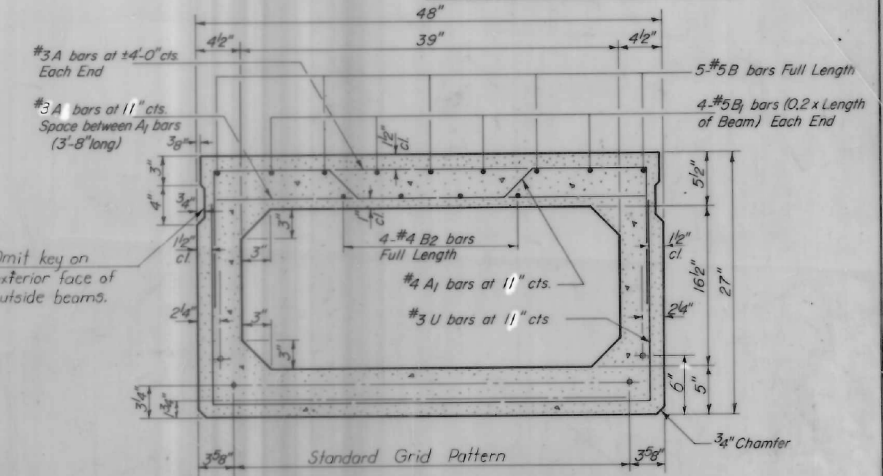
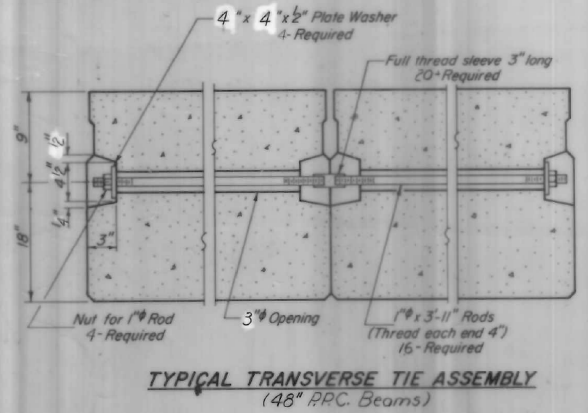
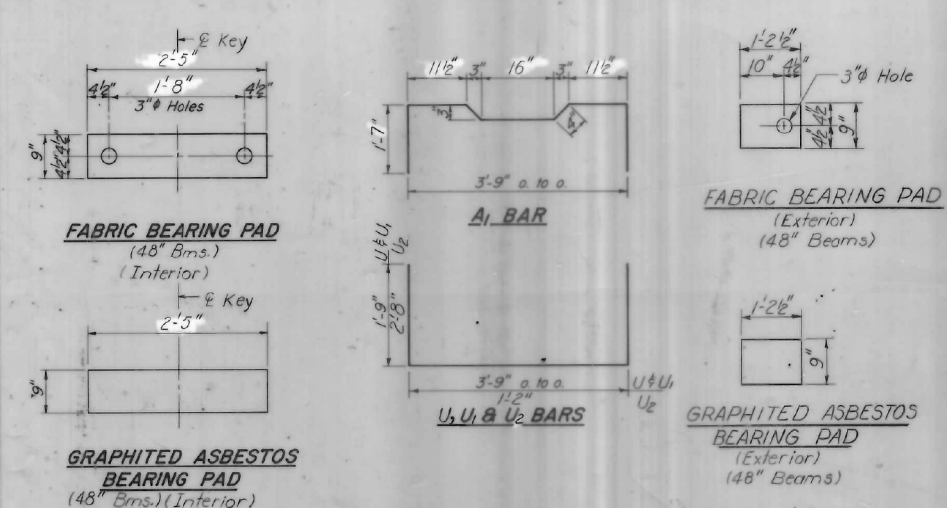
F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	20BR	LASALLE	69	50

CONTRACT NO. 66853
 ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
587	20BR	LASALLE	113	51	8 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 3/4" diameter, 6x25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 46,000 lbs. or 3-1/2" 270 ksi strands as shown. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

Reinforcement bars shall conform to AASHTO: M-31 or M-53, Grade 60.

For remainder of superstructure details and Bill of Material see sheets #3 & #4.
For location of U₂ bars see sheet #4.

DESIGNED	JIM KOHOUT	EXAMINED	[Signature]
CHECKED	Suresh Desai	PASSED	[Signature]
DRAWN	R. Doty	APPROVED	[Signature]
CHECKED	S.D.		

PD-6-S 8-1-78
Revised: 5-7-81 R.D.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

USER NAME = jbolzenus	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/15/2017	CHECKED -	REVISED -
	DATE = 8/15/17	REVISED -

SCALE:	SHEET 2 OF 9 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20BR)	LASALLE	69	51
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

FILE NAME = d3866853-51-sub-rcpg-2.dgn

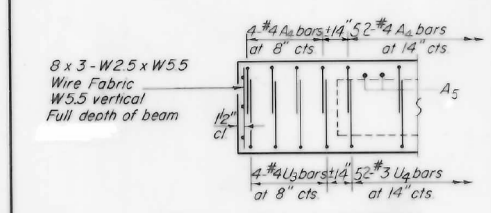
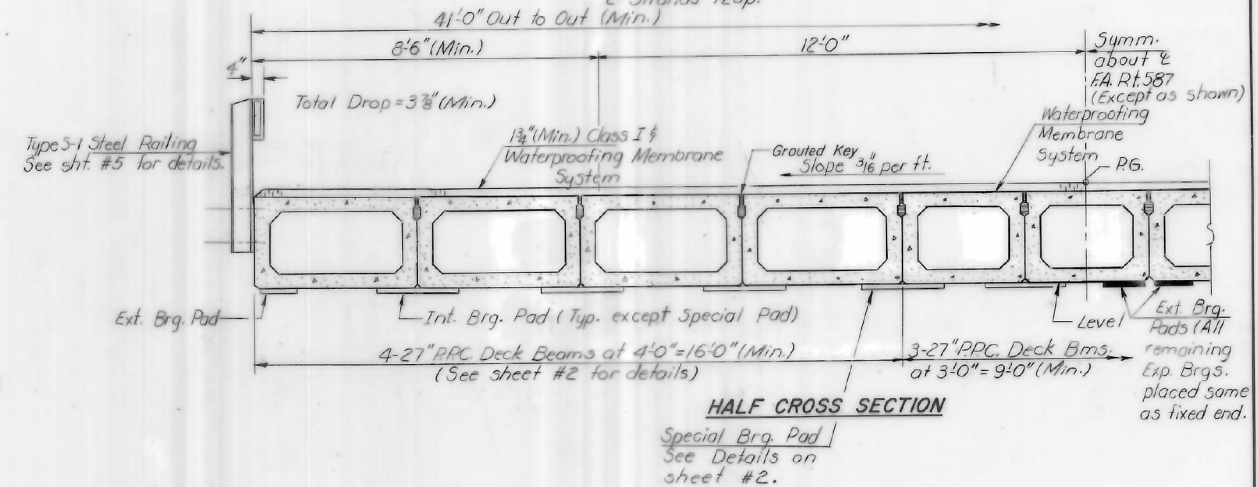
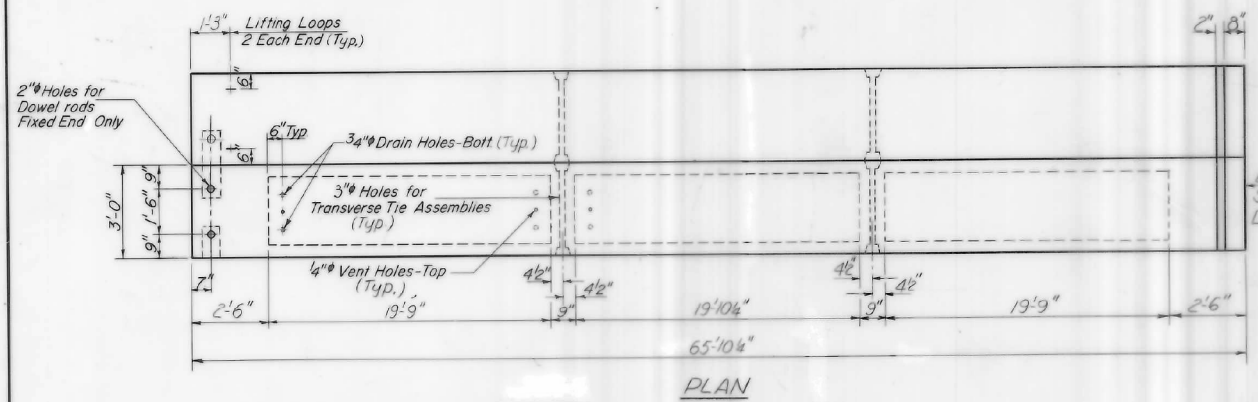
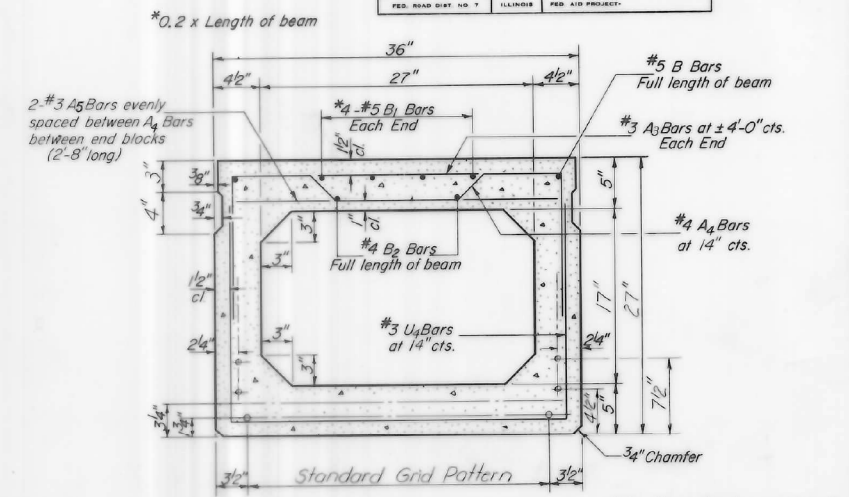
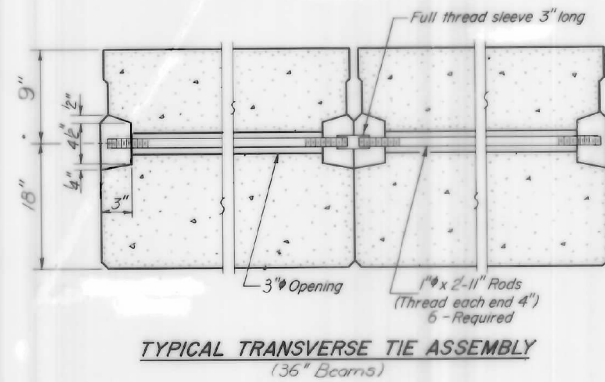
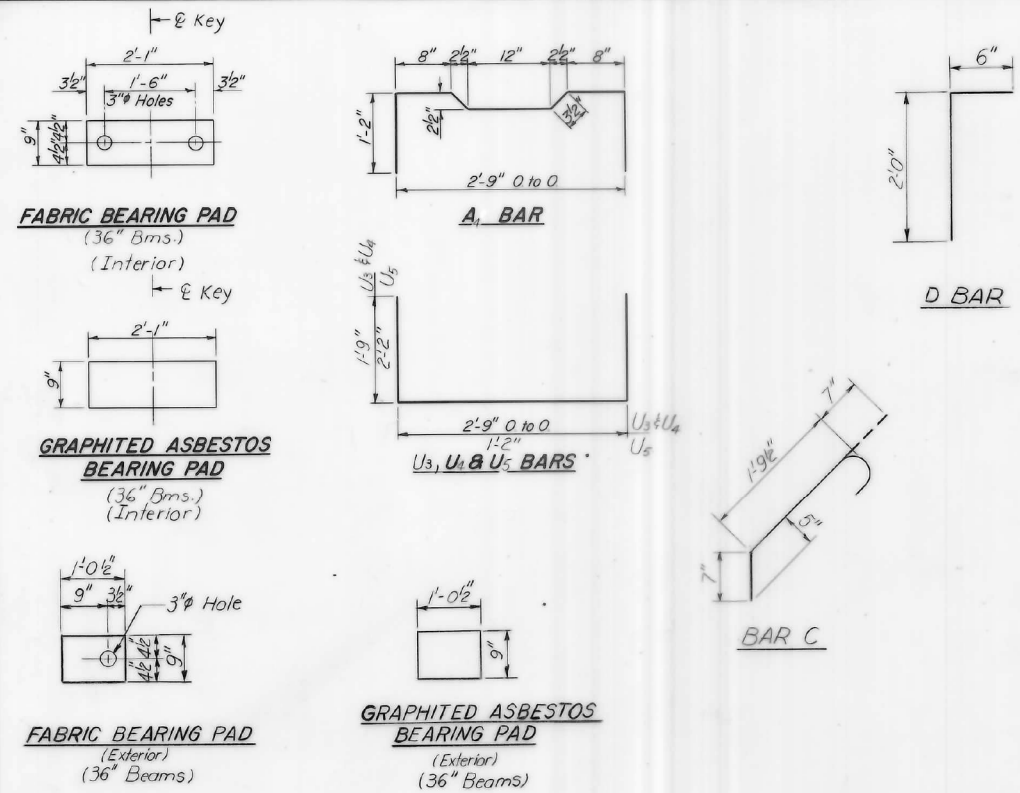


FOR INFORMATION ONLY

SUPERSTRUCTURE
I.A. RT. 587 SEC. 20BR
LASALLE COUNTY
STA. 55+12.00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	20BR	LASALLE	113	52
SHEET NO. 3 8 SHEETS				



DESIGNED	JIM KOHOUT	EXAMINED	SEPT. 3 1980
CHECKED	Suresh Desai	PASSED	
DRAWN	R. Doty	APPROVED	
CHECKED	S.D.	DIRECTOR OF HIGHWAYS	

PD-5-S 8-1-78
Revised: 5-7-81 R.D.

NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq in. Lifting loops shall be 3/4" diameter, 6x25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 46,000 lbs. or 2-1/2" 270 ksi strands as shown on sheet #2. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/2" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing. Reinforcement bars shall conform to AASHTO: M-31 or M-53, Grade 60.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	3	#5	41'-1"	
Precast Prestressed Concrete Deck Beams (27" Depth)				
		Sq Ft	2700	
Class X Concrete				
		Cu. Yd.	14.5	
Reinforcement Bars				
		Pound	130	

SUPERSTRUCTURE
F.A. RT 587 SEC. 20BR
LASALLE COUNTY
STA. 55+2.00

for location of C, D & U₅ bars see sheet #4.

FILE NAME = d386853-52-ext-rdgr-3.dgn



USER NAME = jbolzenius	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/15/2017	CHECKED -	REVISED -
	DATE = 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

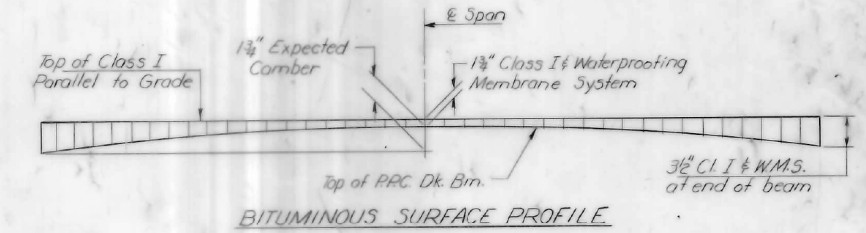
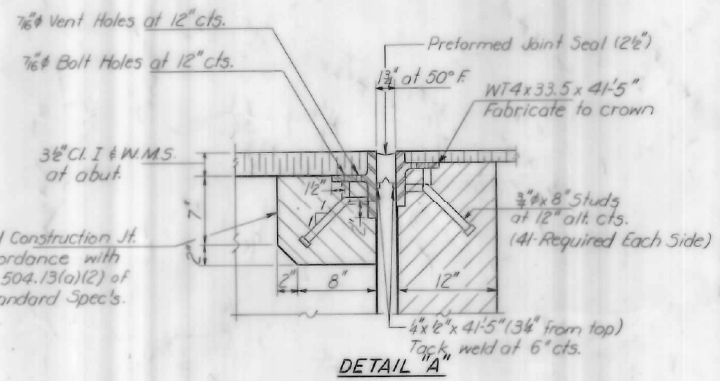
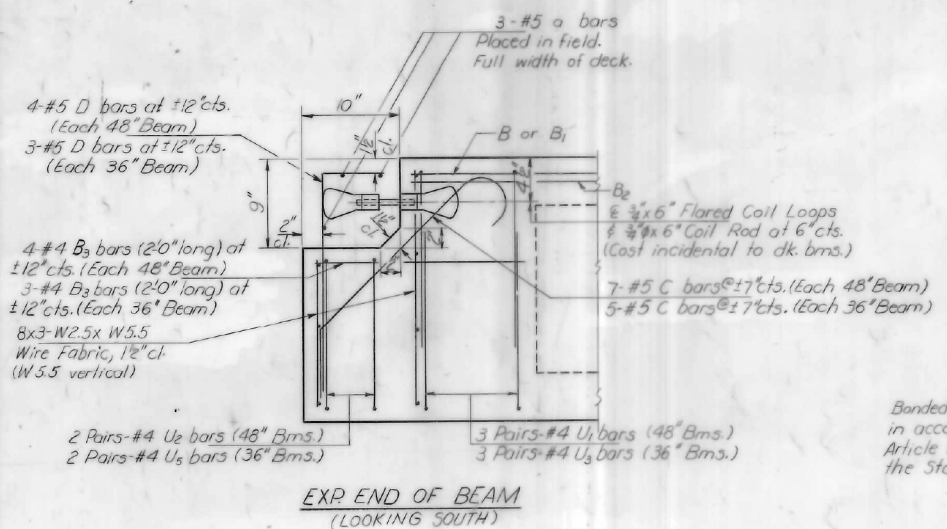
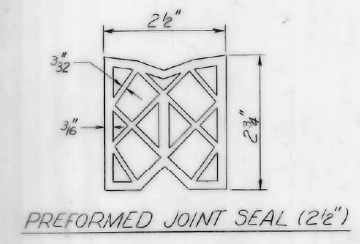
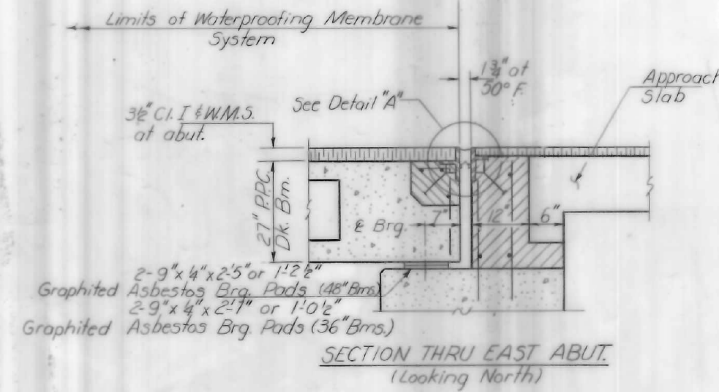
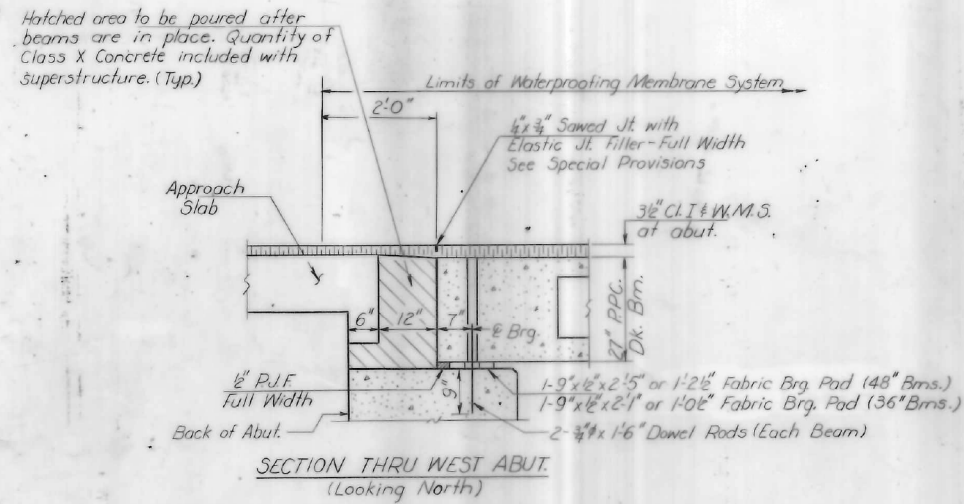
SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	20BR	LASALLE	69	52
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P. 581	20BR	LASALLE	113	53
PER. AID PROJ. NO. 7	ILLINOIS	FED. AID PROJECT	8 SHEETS	



NOTES:
Hatched areas to be poured after beams are in place. Quantity of Class X Concrete included with superstructure. Ends of beams shall be aligned at the expansion joint. Any lineal variation in the beam lengths shall be placed at the fixed end. See Expansion End of Beam Detail for reinforcement.

DESIGNED	JIM KOHOUT	EXAMINED	[Signature]
CHECKED	Suresh Desai	PASSED	[Signature]
DRAWN	R. Doty	APPROVED	[Signature]
CHECKED	S.D.	DIRECTOR OF HIGHWAYS	[Signature]

Revised: 5-7-81 R.D.

SUPERSTRUCTURE DETAILS
F.A. RT 581 SEC. 20BR
LASALLE COUNTY
STA 5.5+12.00

FILE NAME = d386853-53-entbr.dgn



USER NAME = jbolzenius	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/15/2017	CHECKED -	REVISED -
	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

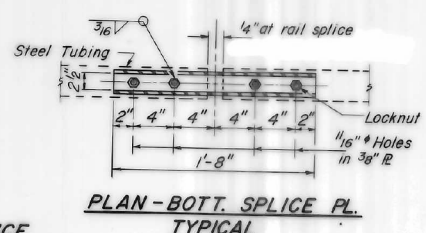
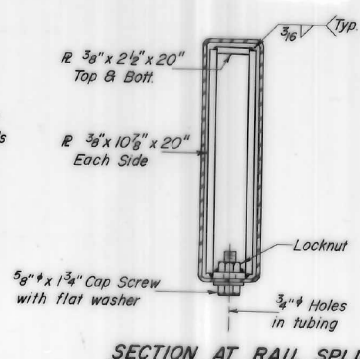
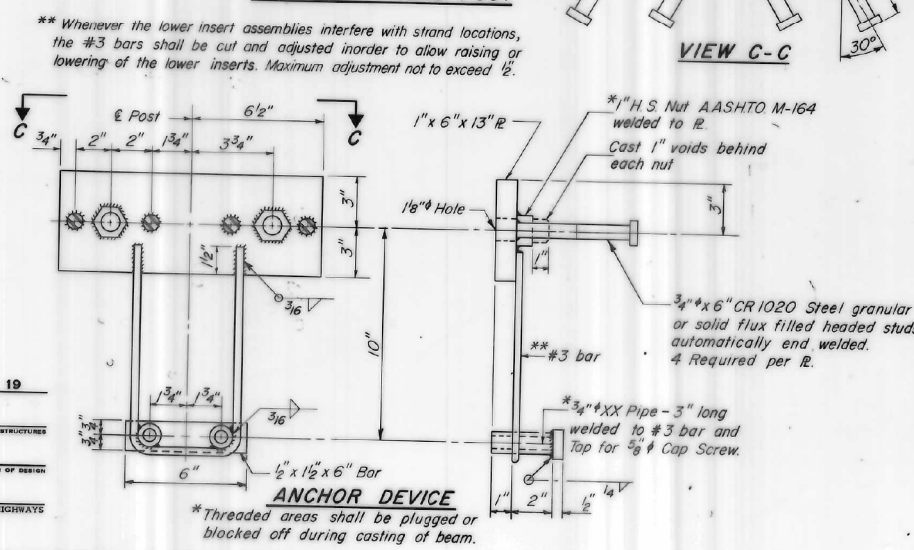
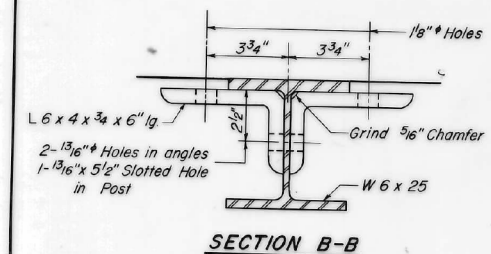
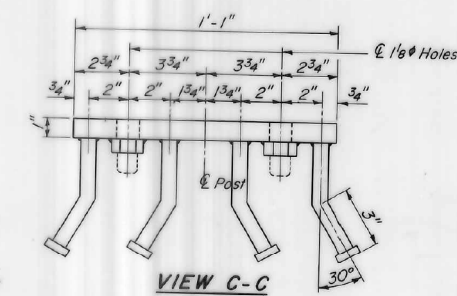
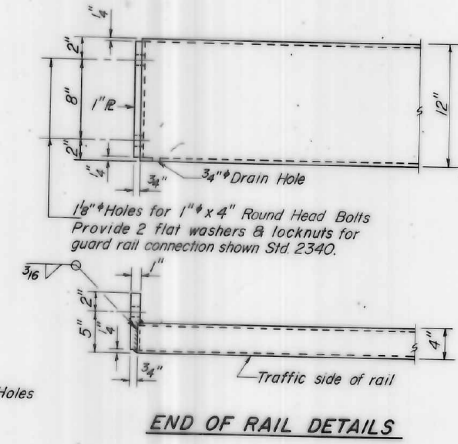
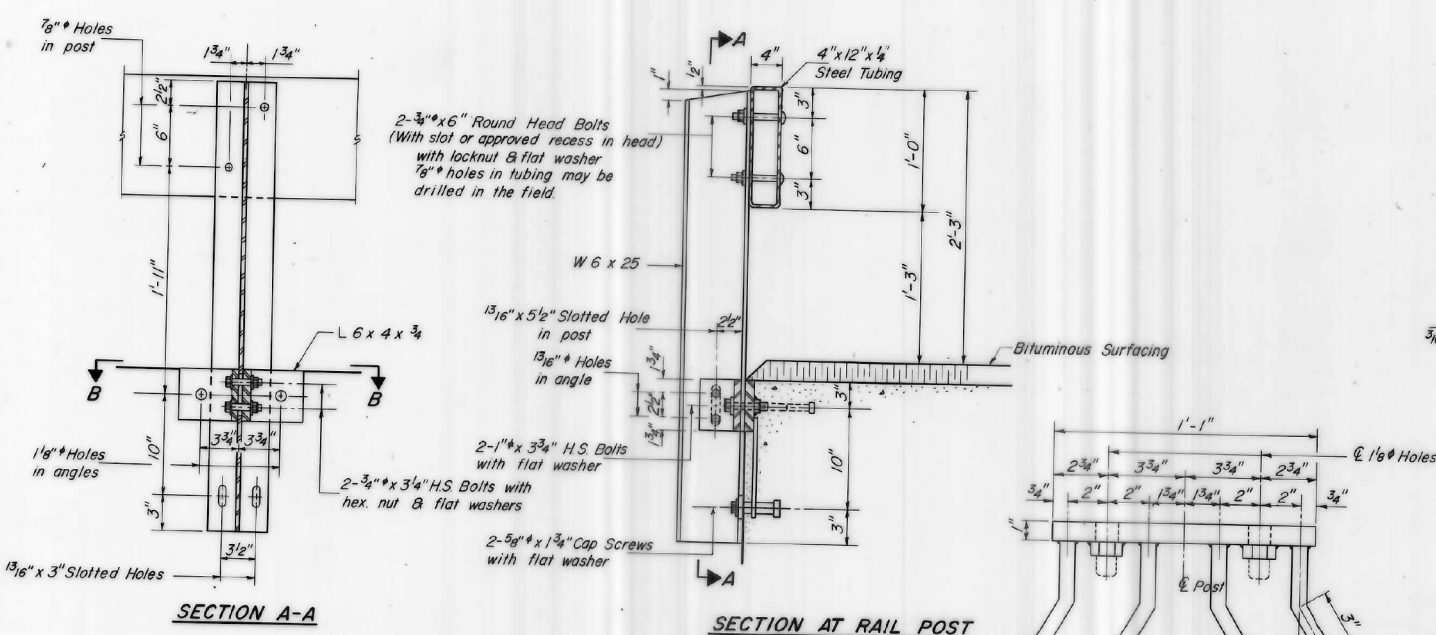
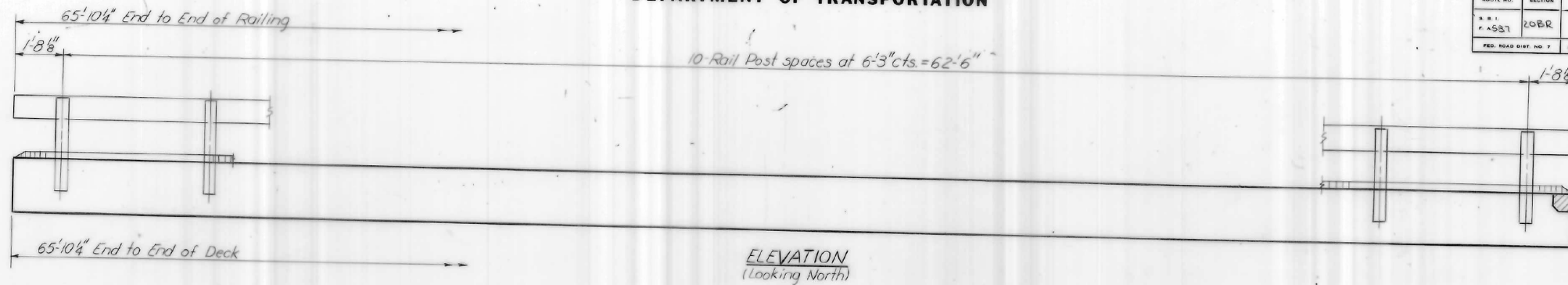
SCALE: SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20BR)	LASALLE	69	53
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5
587	20BR	LASALLE	113	54	8 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500 Grade B Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M-183 except posts and angles shall conform to AASHTO M-223, Grade 50. Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-164.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-385. Galvanized rail shall not be painted.

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per lineal foot for STEEL RAILING, TYPE S-1.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Section 714.08 Type B or place 1/2" fabric bearing pad between the post and concrete.

The 3/4" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened in accordance with Article 507.04(g)(3) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/8 turn. The 5/8" cap screws in bottom of posts shall be tightened to a snug fit only.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Lin. Ft.	132

**TYPE S-1
STEEL RAILING**
F.A. RT. 587 SEC. 20BR
LASALLE COUNTY
STA. 55+12.00

DESIGNED	Jim Kohout	EXAMINED	19
CHECKED	Suresh Desai	PASSED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN	R. Doty	APPROVED	ENGINEER OF DESIGN
CHECKED	S.D.		DIRECTOR OF HIGHWAYS

R-23A 8-30-80 (10'-9" Maximum Post Spacing)

FILE NAME = d3866853-54-ext-1-dgn-5.dgn



USER NAME = jbolzenius	DESIGNED -	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/15/2017	CHECKED -	REVISED -
	DATE = 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

SCALE: SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20BR)	LASALLE	69	54
CONTRACT NO. 66853				

ILLINOIS FED. AID PROJECT

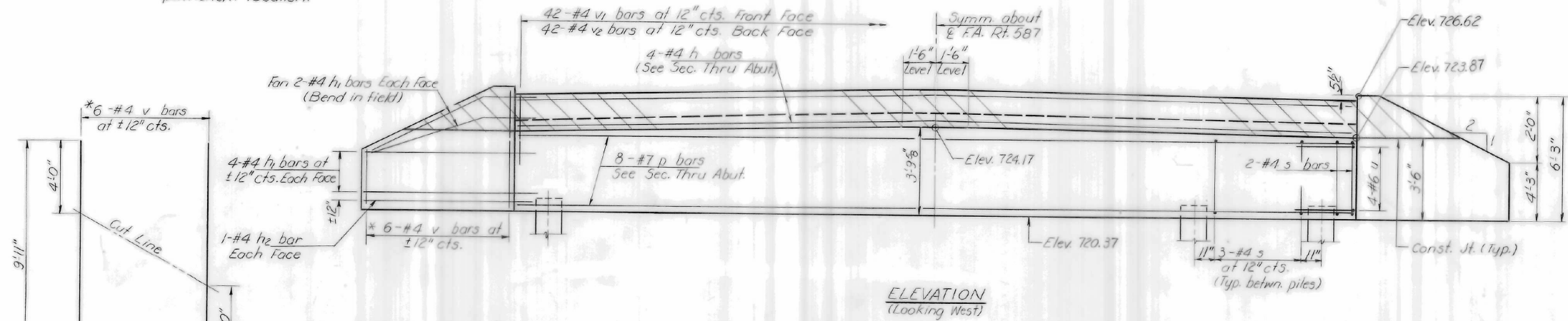
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6
F.A. 587	20BR	LASALLE	113	55	8 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

PILE DATA

Type: **Metal Shell
Capacity: *** 35 Tons
Est. Length: 47'
No. Req'd: 10+1 test pile in a permanent location.

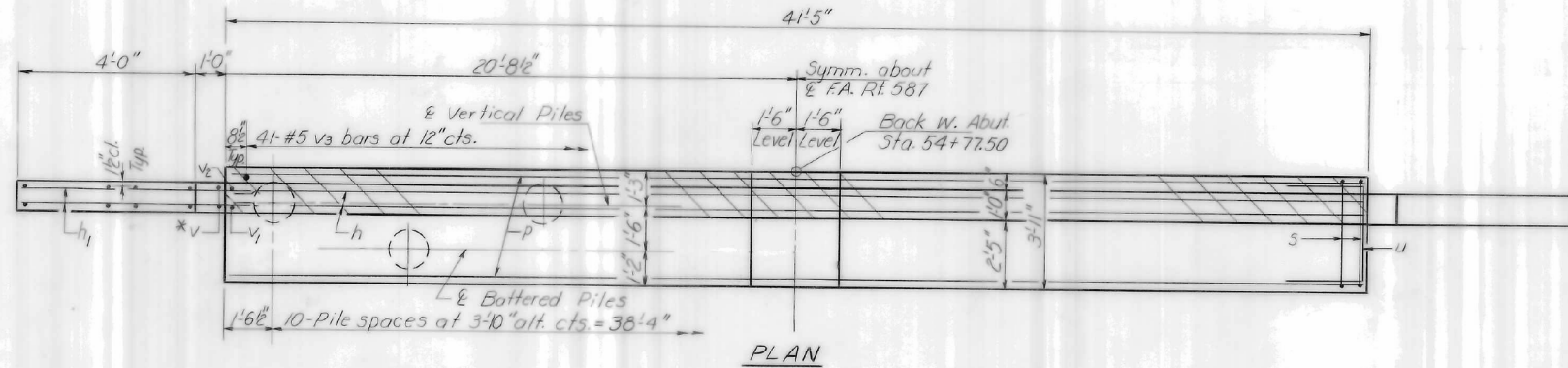


FIELD CUTTING DIAGRAM

*Order v bars full length. Cut to fit as shown and use remainder of bars in other face.

**Use 12" cylindrical metal shell piles coated with 5 mm Min. of asphaltic cement or S.C. or M.C. liquid asphalt above Elev. 711.50.

*** Over drive piles to 45 tons.



BILL OF MATERIAL

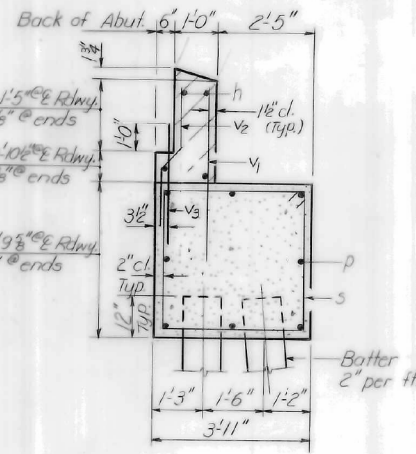
Bar	No.	Size	Length	Shape
h	4	#4	41'-2"	—
h1	24	#4	6'-8"	—
h2	4	#4	5'-8"	—
p	8	#7	41'-2"	—
s	34	#4	14'-3"	□
u	8	#6	8'-6"	□
v	12	#4	9'-11"	—
v1	42	#4	3'-5"	—
v2	42	#4	3'-8"	—
v3	41	#5	3'-6"	—
Class X Concrete		Cu. Yd.	21.4	
Reinforcement Bars		Pound	1760	
Metal Pile Shell 12"		Lin. Ft.	470	
Test Piles Metal Shell		Each	1	

NOTES: Hatched area to be poured after beams are in place. Quantity of Class X Concrete included with superstructure. All edges shall have standard 3/4" chamfers.

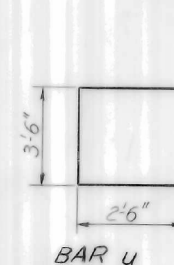
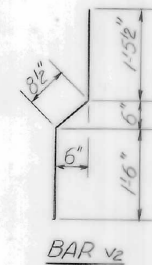
Varies 1'-5 1/8" @ R/Wy. to 1'-7 1/8" @ ends

Varies 0'-10 1/8" @ R/Wy. to 1'-2 3/8" @ ends

Varies 3'-9 1/8" @ R/Wy. to 3'-6" @ ends



SEC. THRU ABUT.



DESIGNED	JIM KOHOUT	EXAMINED	SEPT. 3 1980
CHECKED	Suresh Desai	PASSED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN	R. Doty	APPROVED	ENGINEER OF DESIGN
CHECKED	S.D.		DIRECTOR OF HIGHWAYS

Revised: 5-7-81 R.D.

WEST ABUTMENT
F.A. RT. 587 SEC. 20BR
LASALLE COUNTY
STA. 55+12.00

FOR INFORMATION ONLY

FILE NAME = c386653-55-exb-rdgr-6.dgn



USER NAME = jbolzenus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2017	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.

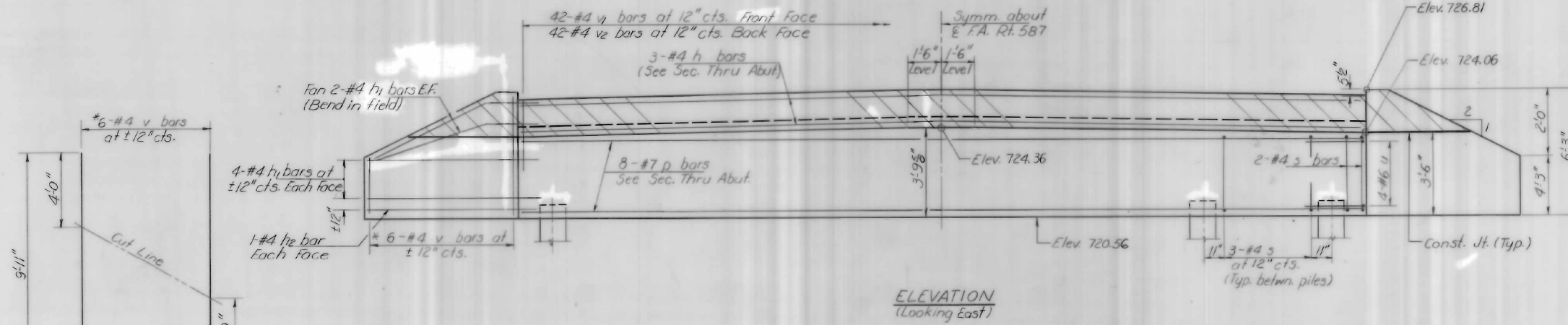
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20BR)	LASALLE	69	55
			CONTRACT NO. 66853	
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7 8 SHEETS
587	20BR	LASALLE	113	56	
ILLINOIS FED. AID PROJECT:					

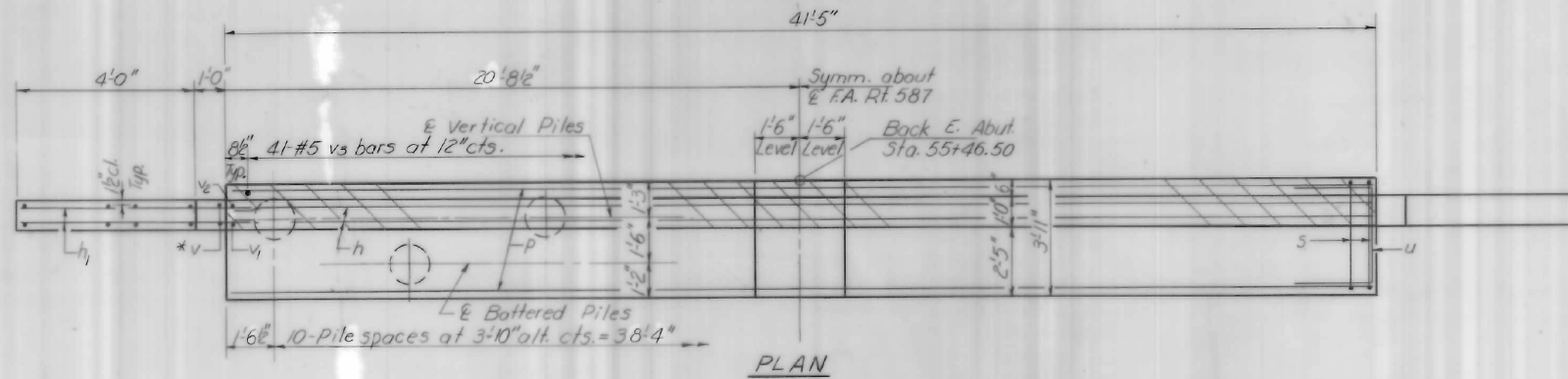
PILE DATA

Type: Metal Shell
Capacity: 357kn
Est. Length: 38'
No. Req'd: 11



FIELD CUTTING DIAGRAM

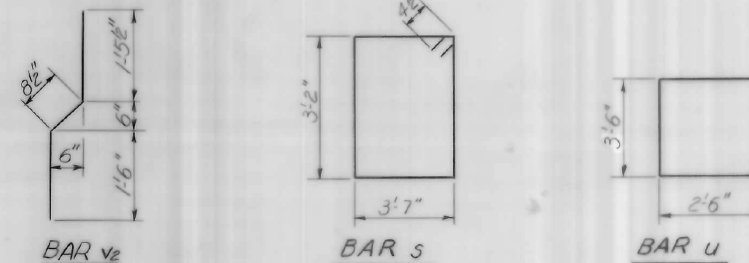
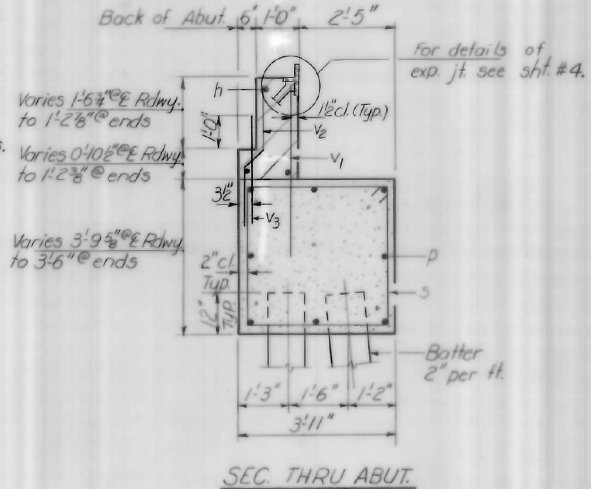
*Order v bars full length. Cut to fit as shown and use remainder of bars in other face.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	3	#4	41'-2"	—
h1	24	#4	6'-8"	—
h2	4	#4	5'-8"	—
p	8	#7	41'-2"	—
s	34	#4	1'-4 3/4"	□
u	8	#6	8'-6"	□
v	12	#4	9'-11"	—
v1	42	#4	3'-5"	—
v2	42	#4	3'-8"	—
v3	41	#5	3'-6"	—
Class X Concrete			Cu Yd.	21.4
Reinforcement Bars			Pound	1730
Metal Pile Shell 12"			Lin. Ft.	418

NOTES: Hatched area to be poured after beams are in place. Quantity of Class X Concrete included with superstructure. All edges shall have standard 3/4" chamfers.



DESIGNED	Jim Kohrt	EXAMINED	[Signature]
CHECKED	Suresh Desai	PASSED	[Signature]
DRAWN	R. Doty	APPROVED	[Signature]
CHECKED	S.D.	DIRECTOR OF HIGHWAYS	[Signature]

Revised: 5-7-B1 R.D.

EAST ABUTMENT
E.A. RT. 587 SEC. 20BR
LASALLE COUNTY
STA. 55+12.00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

SCALE: SHEET 7 OF 9 SHEETS STA. TO STA.

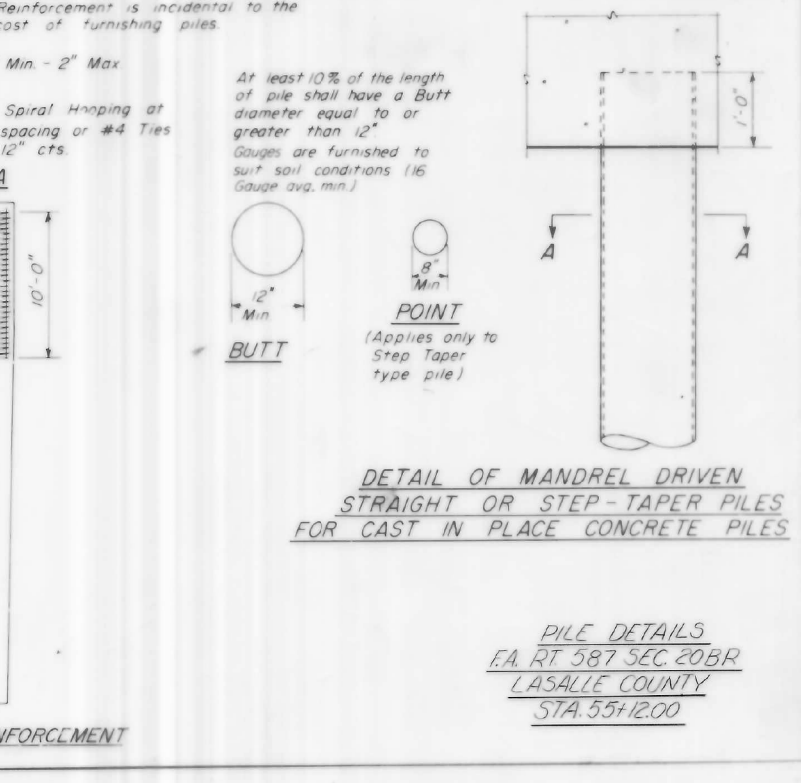
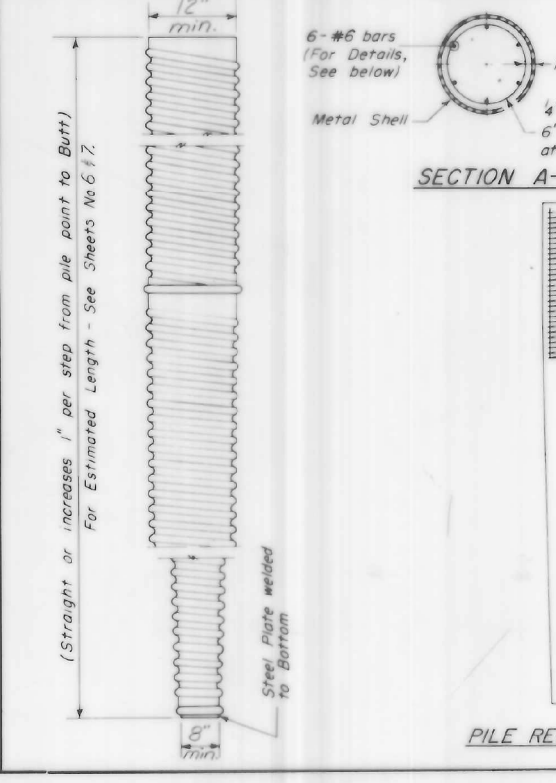
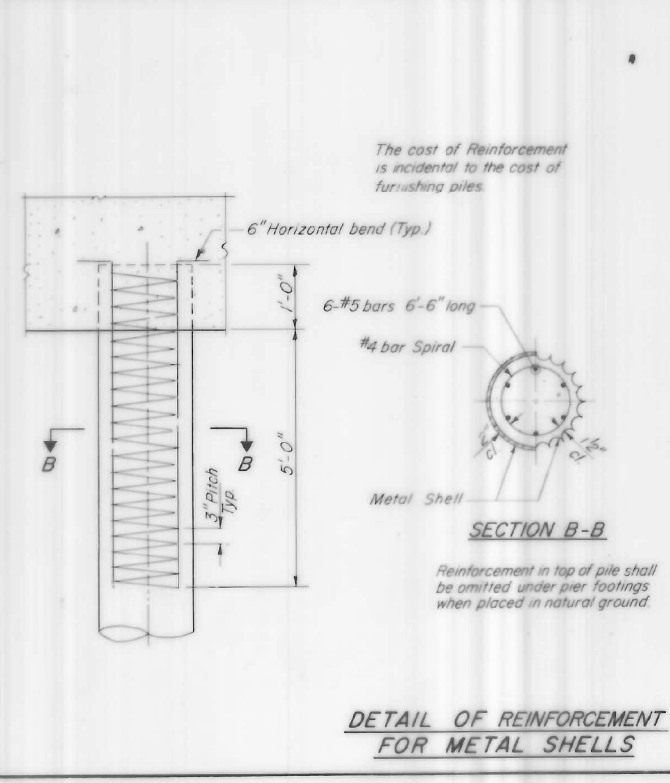
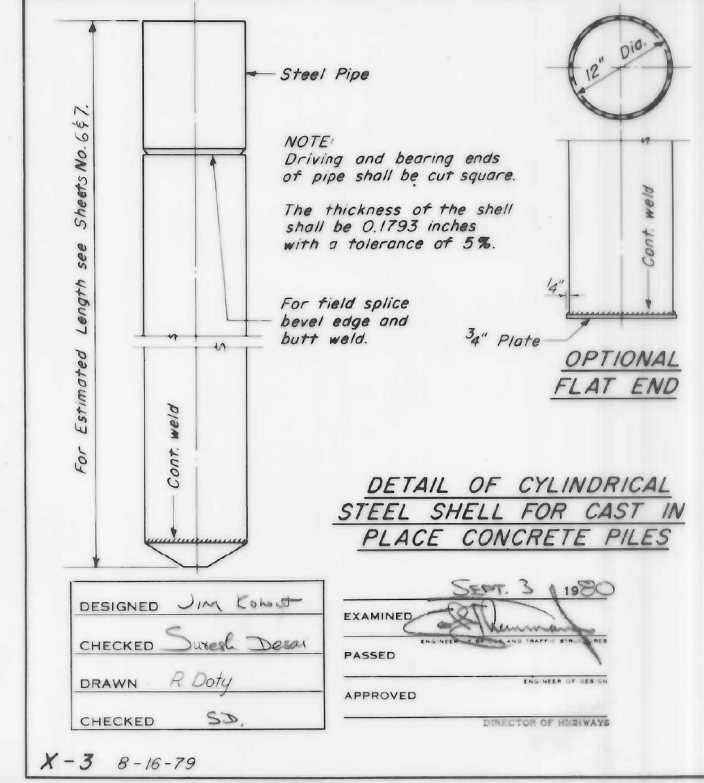
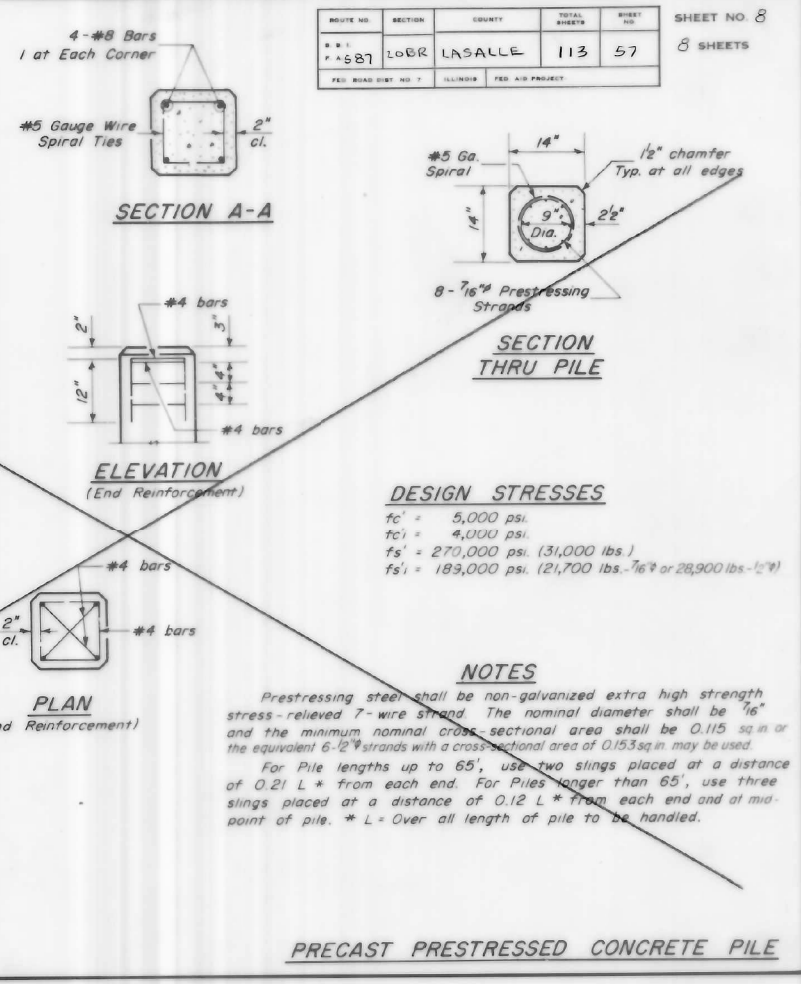
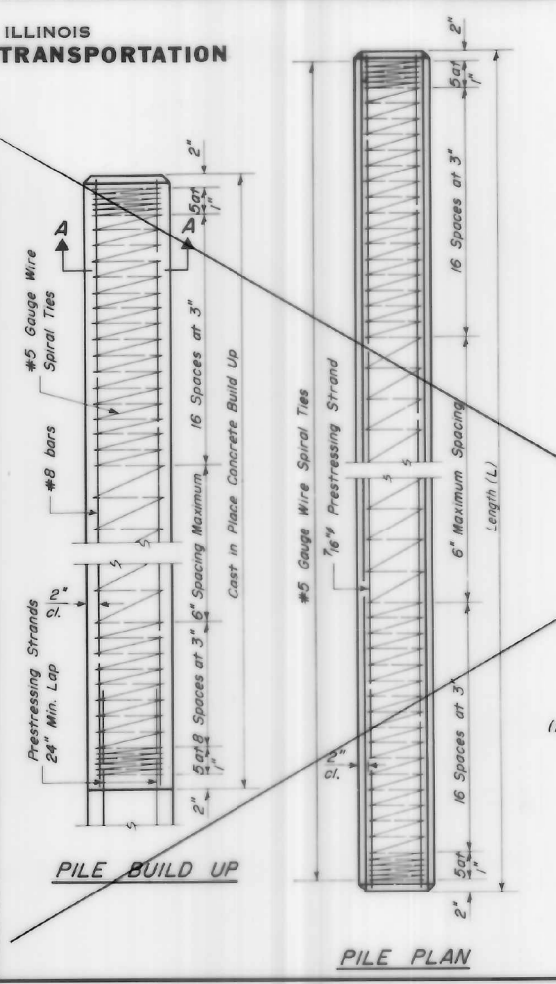
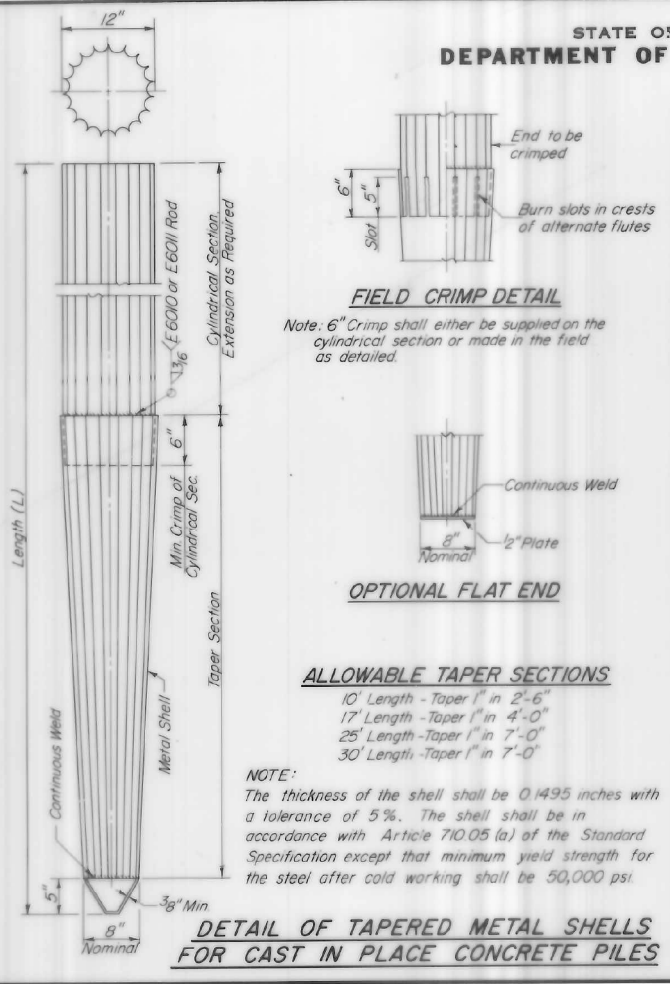
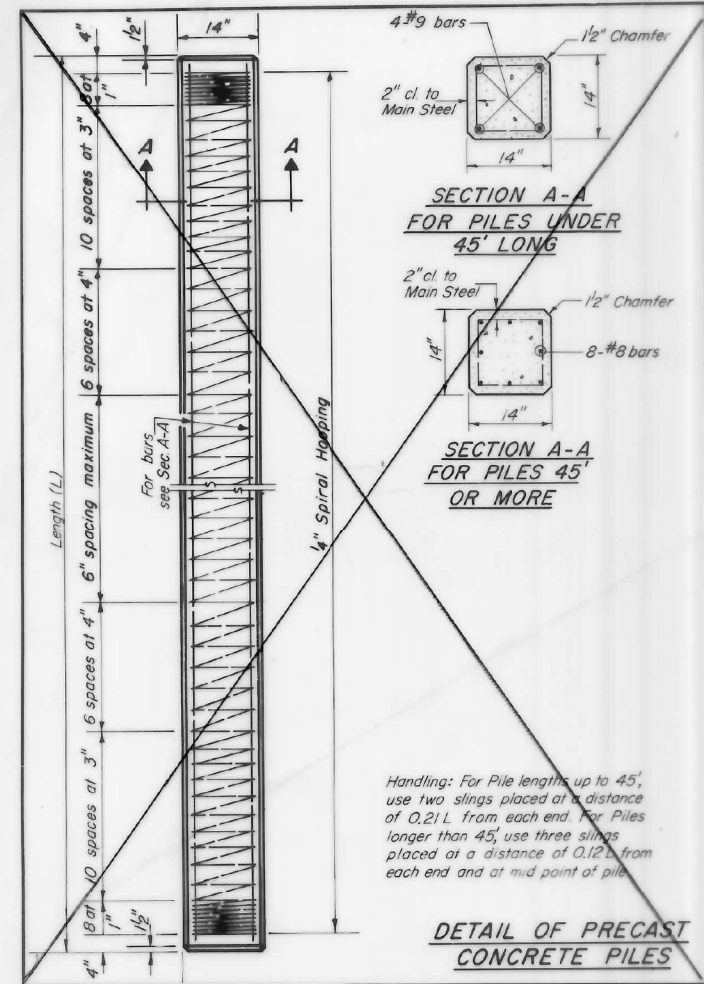
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	20BR	LASALLE	69	56
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

USER NAME = jbolzenius	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/15/2017	CHECKED -	REVISED -
	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
587	20BR	LASALLE	113	57	8
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					



DESIGNED: JIM KOHOUT
 CHECKED: SURESH DESAI
 DRAWN: R. DOTY
 CHECKED: SD.
 EXAMINED: [Signature]
 PASSED: [Signature]
 APPROVED: [Signature]
 DIRECTOR OF HIGHWAYS

X-3 8-16-79

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

USER NAME = jbolzenus	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/15/2017	CHECKED -	REVISED -
	DATE = 8/15/17	REVISED -

SCALE:	SHEET 8 OF 9 SHEETS	STA.	TO STA.
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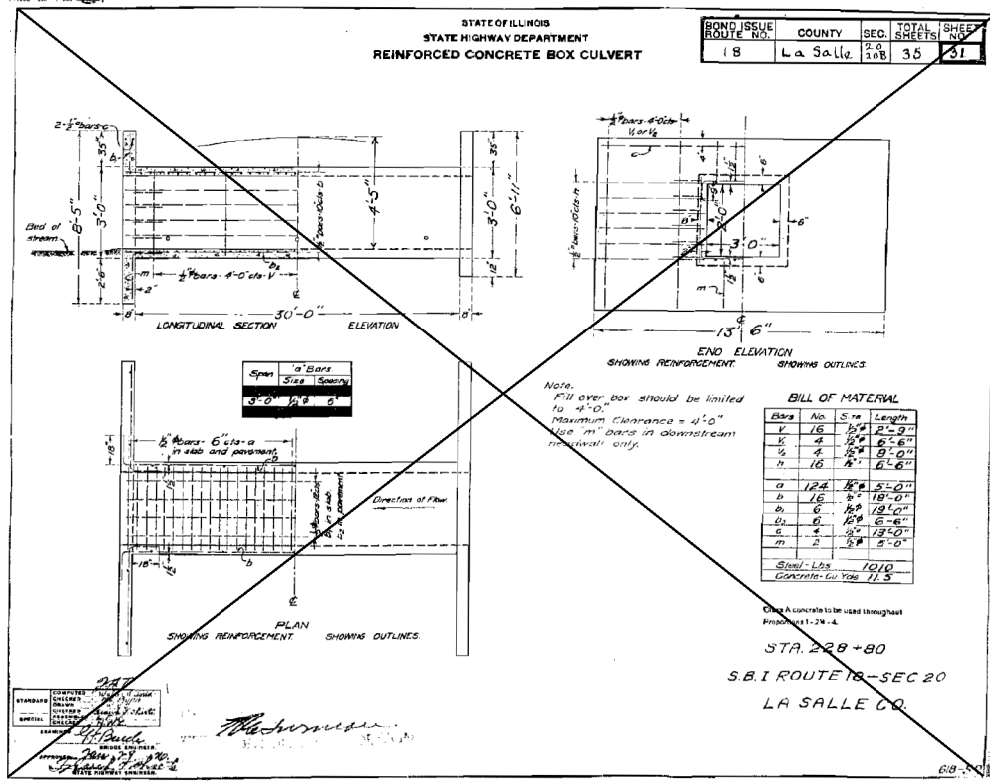
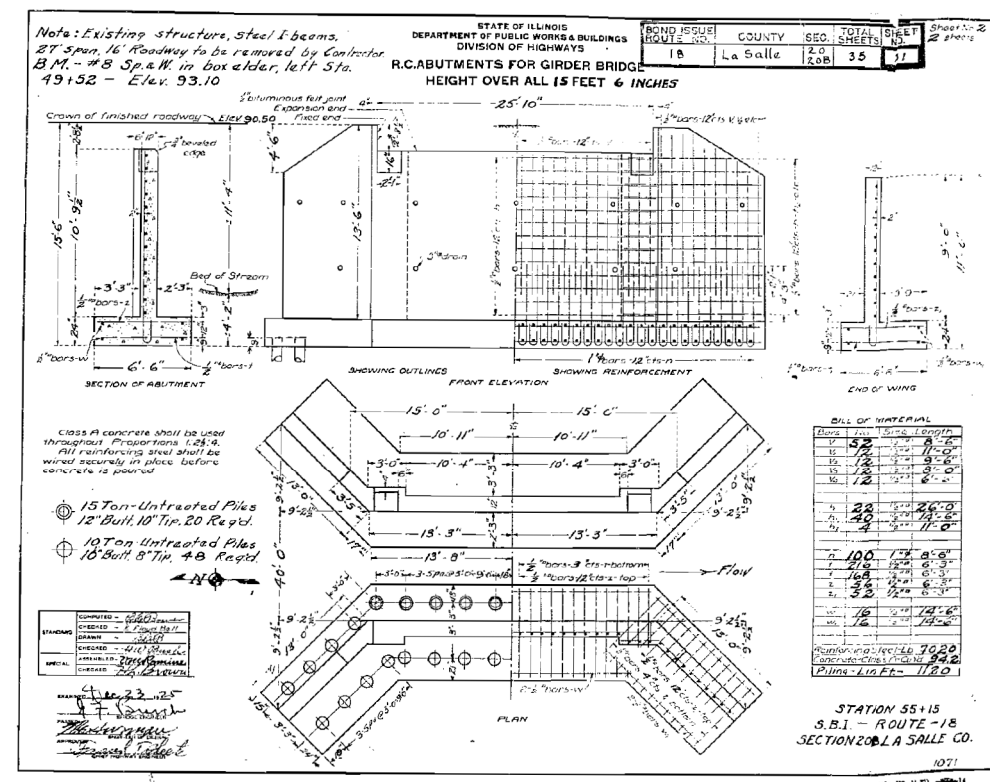
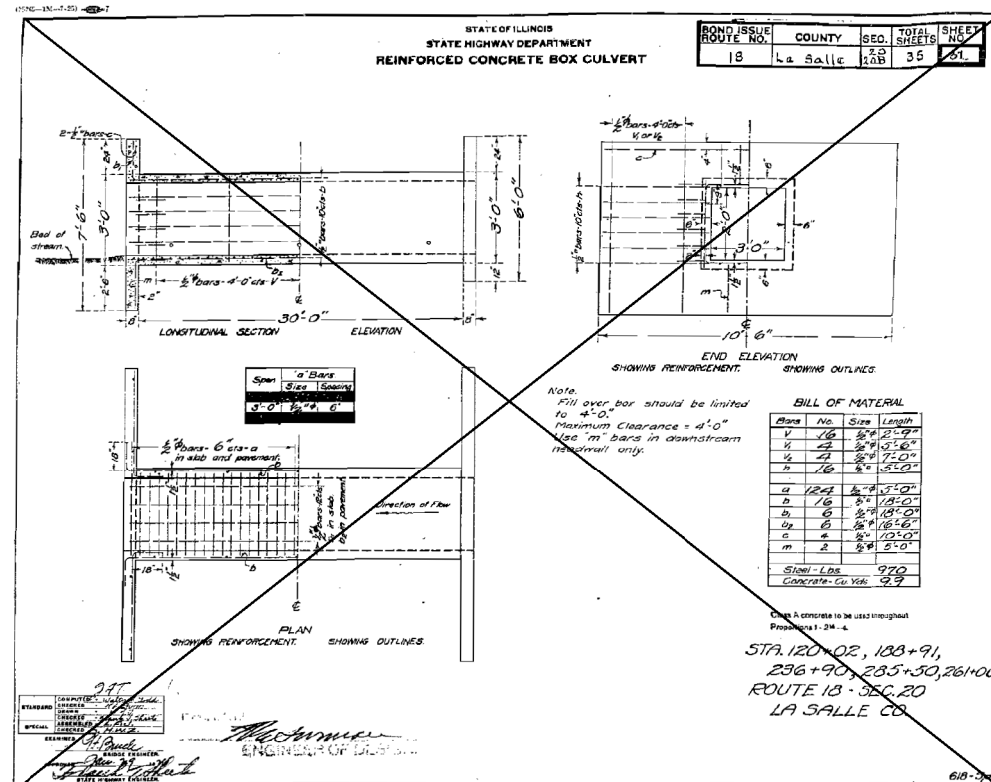
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20BR)	LASALLE	69	57
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

PILE DETAILS
 F.A. RT 587 SEC. 20BR
 LASALLE COUNTY
 STA. 55+12.00

FILE NAME = d386853-57-ext-1-rdg-8.dgn



FOR INFORMATION ONLY



FILE NAME = 4386853-58-ext-rdgs-9.dgn



USER NAME = jbolzenius	DESIGNED -	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/15/2017	CHECKED -	REVISED -
	DATE = 8/15/17	REVISED -

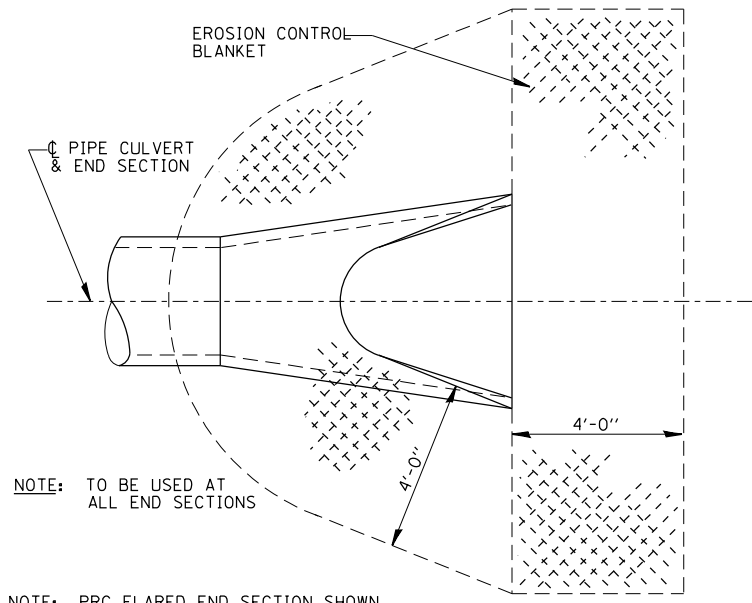
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE. 587	SECTION 20BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 58
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

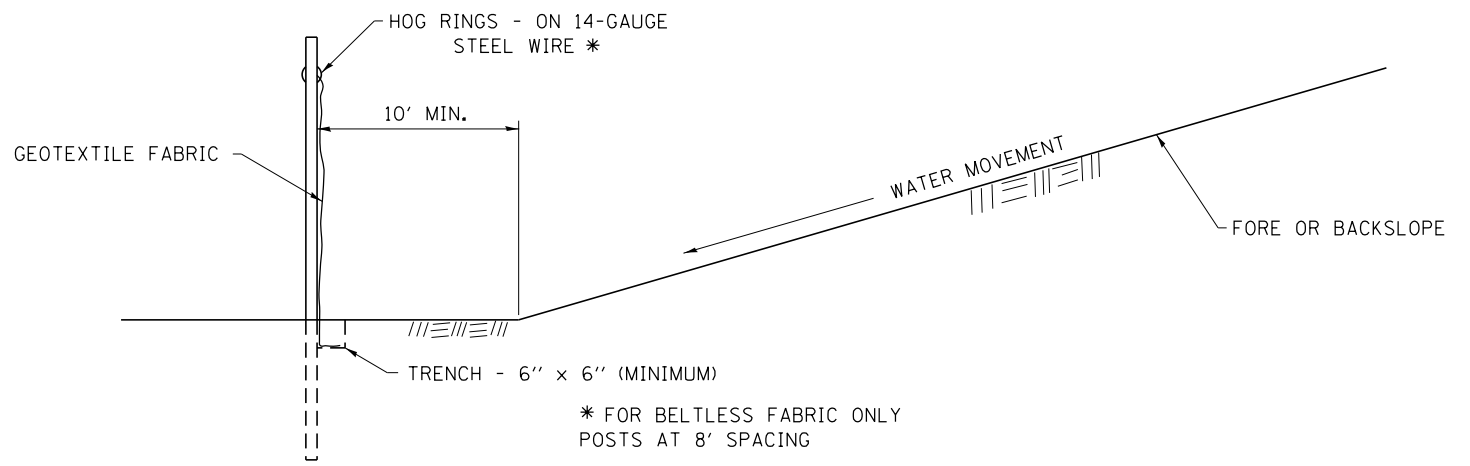
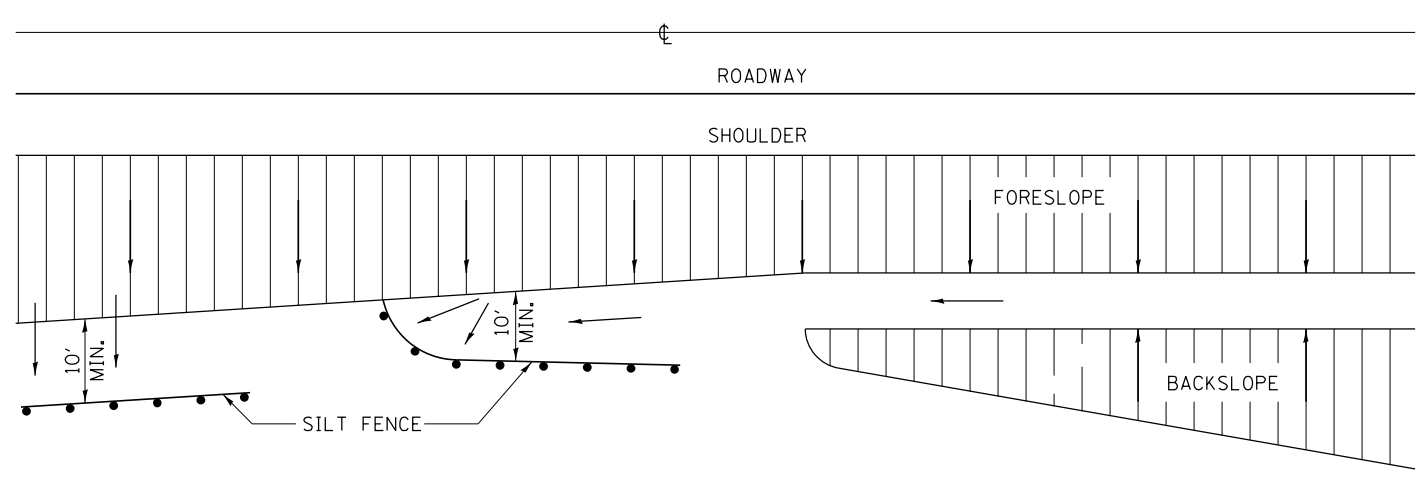
FOR INFORMATION ONLY



NOTE: TO BE USED AT ALL END SECTIONS

NOTE: PRC FLARED END SECTION SHOWN. TREATMENT SAME FOR OTHER END SECTIONS.

DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION



DETAILS OF SILT FENCE

EROSION CONTROL DETAILS FOR SILT FENCE

FILE NAME = 4366853-59-DistrictDetails-1.dgn

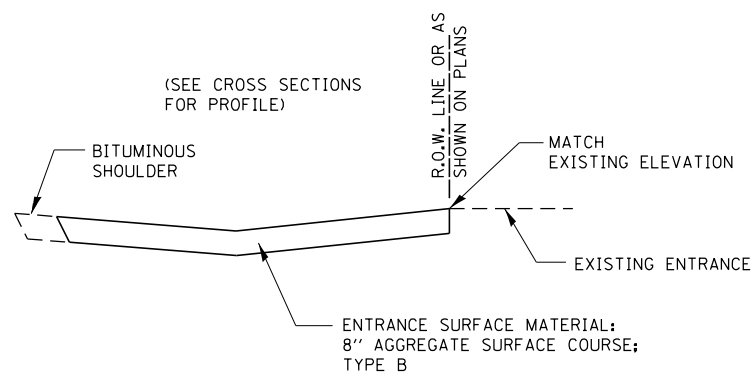
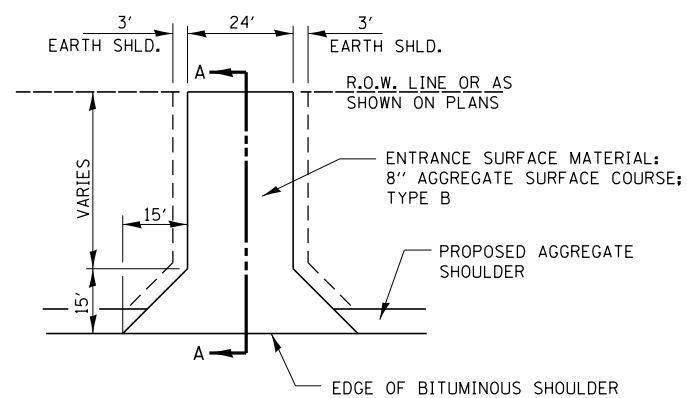


USER NAME = corcoranim	DESIGNED - LAB	REVISED -
	DRAWN - LAB	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/25/2017	DATE - 8/15/17	REVISED -

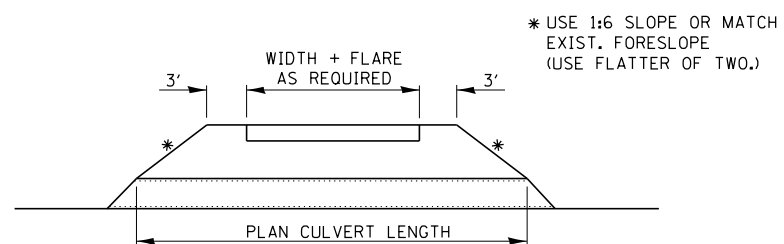
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS	
SCALE: N/A	SHEET 1 OF 4 SHEETS STA. TO STA.

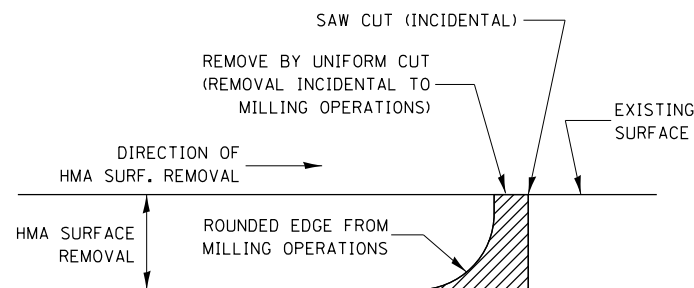
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	59
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				



SECTION A-A

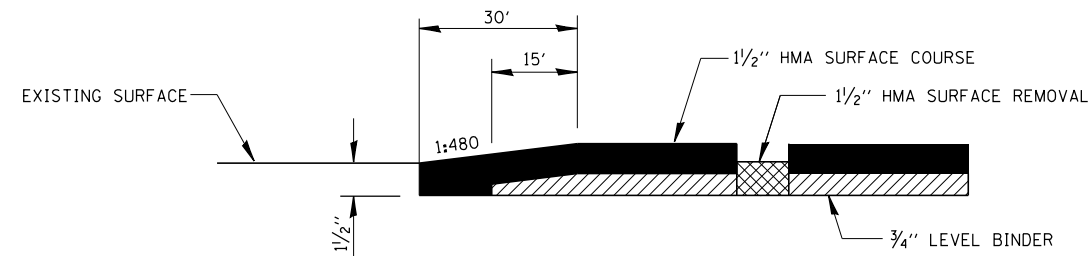


FIELD ENTRANCE DETAIL

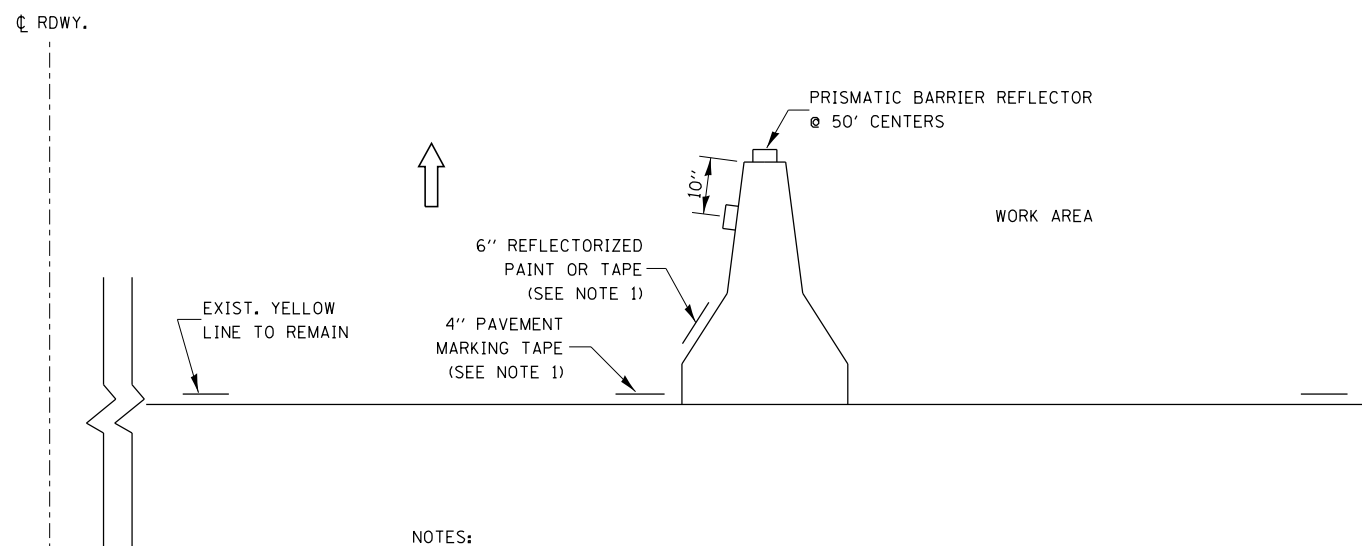


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS



PROPOSED HMA TAPER



- NOTES:
1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
 2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
 3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

**TRAFFIC CONTROL DETAIL
FOR TEMPORARY CONCRETE BARRIER**

FILE NAME = 4366853-60-DistrictDetails-2.dgn



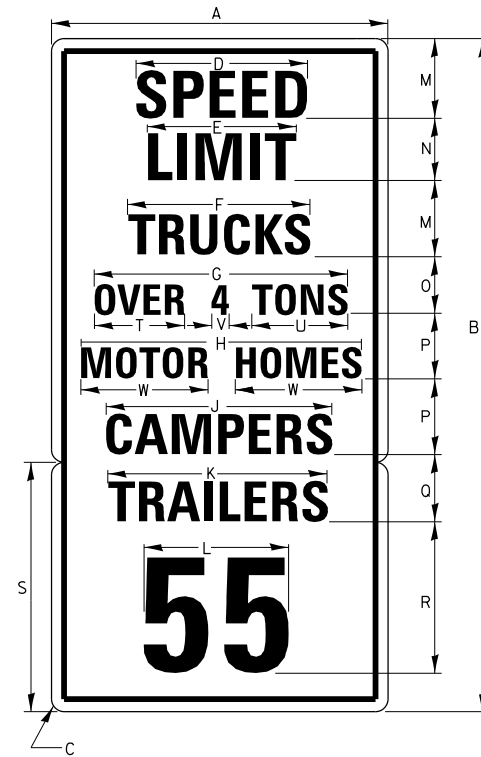
USER NAME = corcoranim	DESIGNED - LAB	REVISED -
	DRAWN - LAB	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/25/2017	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS	
SCALE: N/A	SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	60
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

**ILLINOIS STANDARD
R2-I104a**



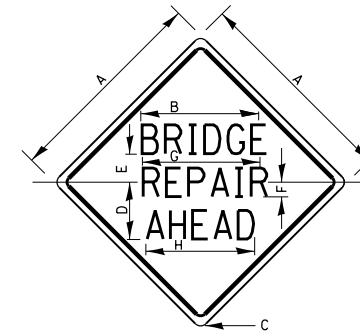
COLOR: LEGEND AND BORDER BLACK NON-REFLECTORIZED
BACKGROUND WHITE REFLECTORIZED

SIGN SIZE	DIMENSIONS										
	A	B	C	D	E	F	G	H	J	K	
48 x 96	48.0	96.0	3.0	28.3	22.1	24.5	29.0	32.2	29.5	30.4	

DIMENSIONS										
L	M	N	O	P	Q	R	S	T	U	W
23.2	11.0	9.0	7.0	10.0	8.0	22.0	36.0	10.9	10.5	8.5

SIGN SIZE	SERIES								MARGIN	BORDER	BLANK STD.
	LINES										
	1	2	3	4	5	6	7	8			
48 x 96	6E	6E	6C	4C	6B	6C	6C	16E	0.6	0.8	B5-4860 B5-3648

**ILLINOIS STANDARD
W21-I102**

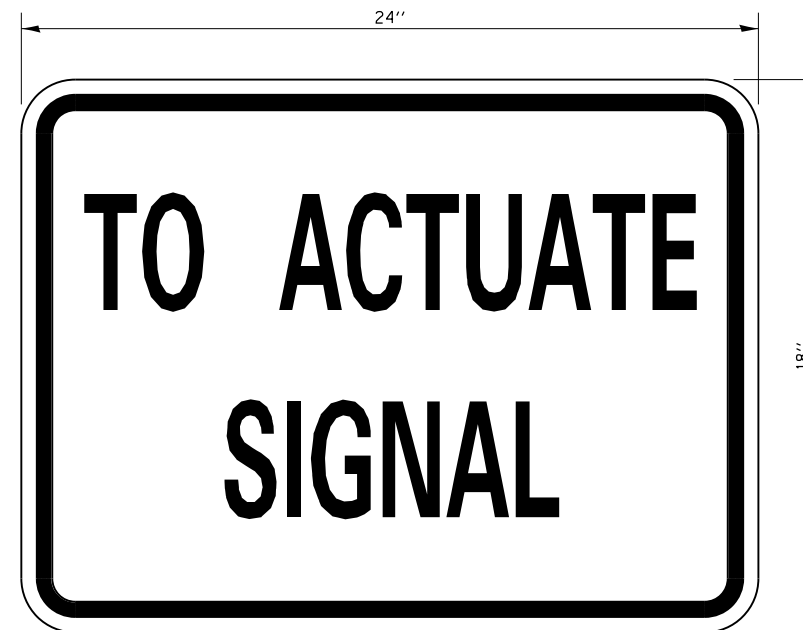


COLOR: LEGEND AND BORDER BLACK NON-REFLECTORIZED
BACKGROUND ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
36 x 36	36.0	22.3	2.25	10.8	5.6	3.0	21.9	20.7
48 x 48	48.0	26.0	3.0	14.5	7.5	3.5	25.5	24.1

SIGN SIZE	SERIES			MARGIN	BORDER	BLANK STD.
	LINES					
	1	2	3			
36 x 36	5C	5C	5C	0.6	0.8	B4-36D
48 x 48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES.



SIZE: 24" x 18"

4" CAPITAL LETTERS - BLACK

1/2" BORDER - BLACK

WHITE REFLECTIVE - TYPE B
ENGINEERING GRADE SHEETING

GENERAL NOTE:

THIS SIGN SHALL BE INSTALLED AT THE
STOP LINE AS DIRECTED BY THE ENGINEER.

STOP LINE SIGN FOR TEMPORARY SIGNALS

FILE NAME = 4366853-61-DistrictDetails-3.dgn

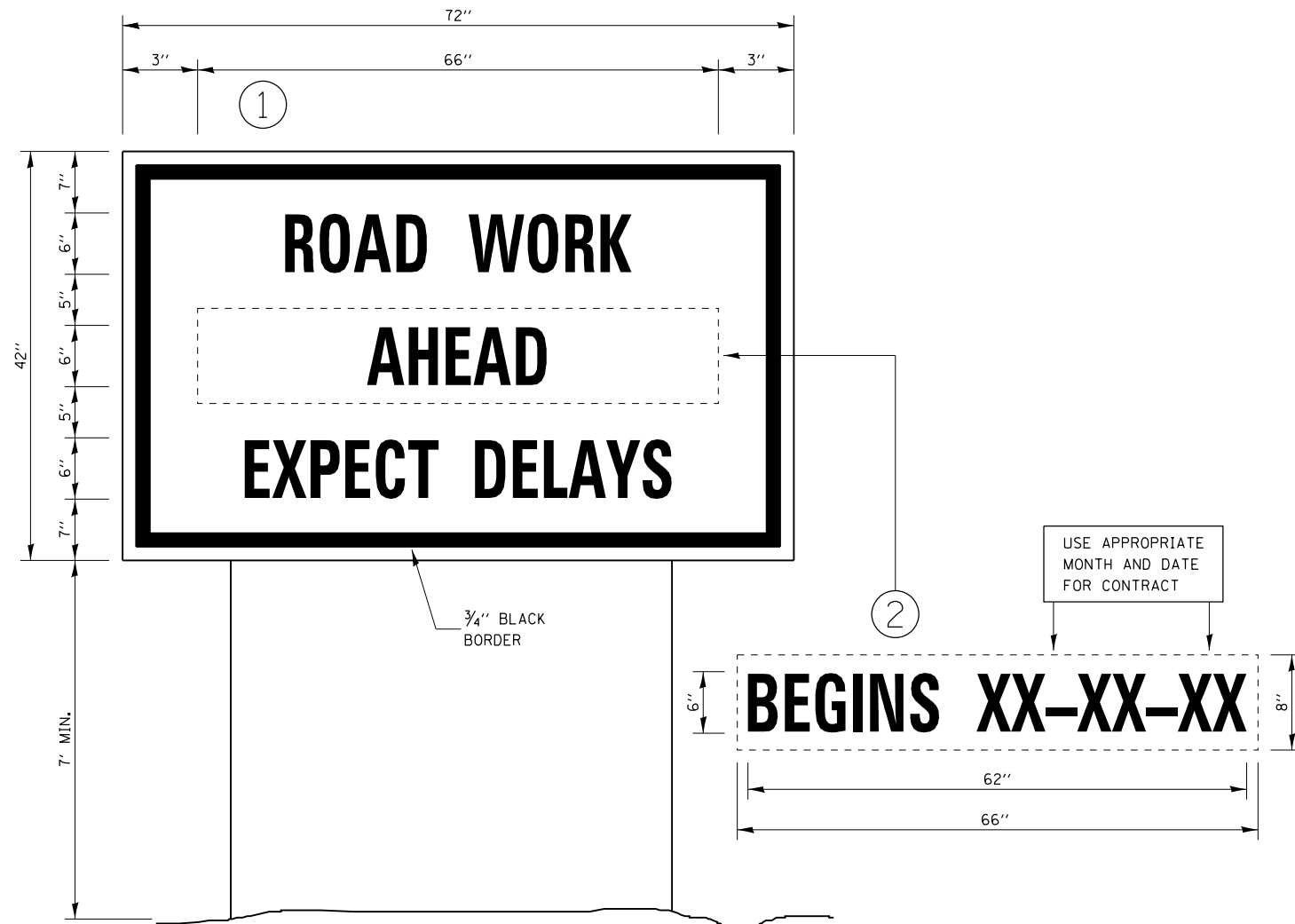


USER NAME = Ibolzenius	DESIGNED - LAB	REVISED -
	DRAWN - LAB	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/15/2017	DATE - 8/15/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS	
SCALE: N/A	SHEET 3 OF 4 SHEETS STA. TO STA.

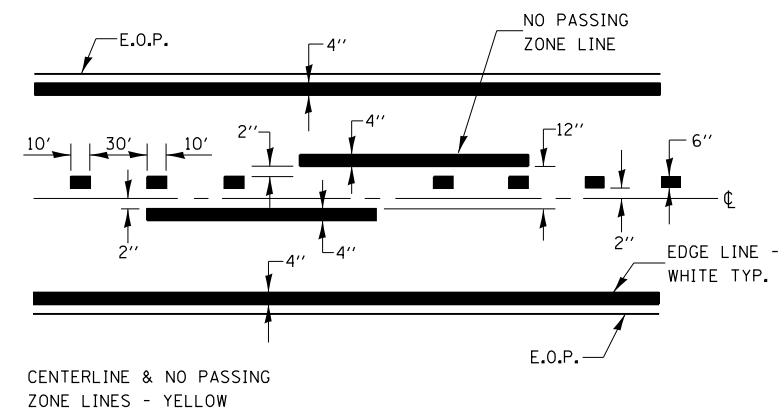
F.A.P. RTE. 587	SECTION (20)BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 61
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				



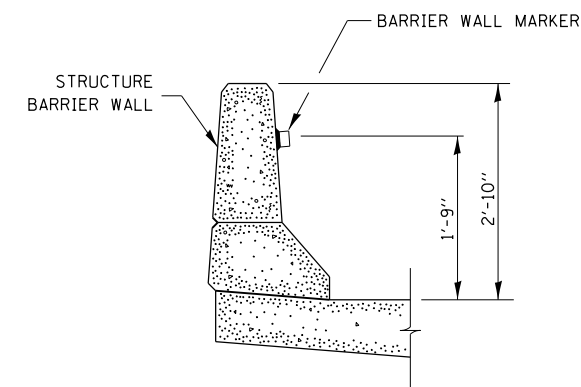
TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



PAVEMENT MARKING



BARRIER WALL MARKER

FILE NAME = 4366853-62-DistrictDetails-4.dgn



USER NAME = Ibolzenius	DESIGNED - LAB	REVISED -
	DRAWN - LAB	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/15/2017	DATE - 8/15/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

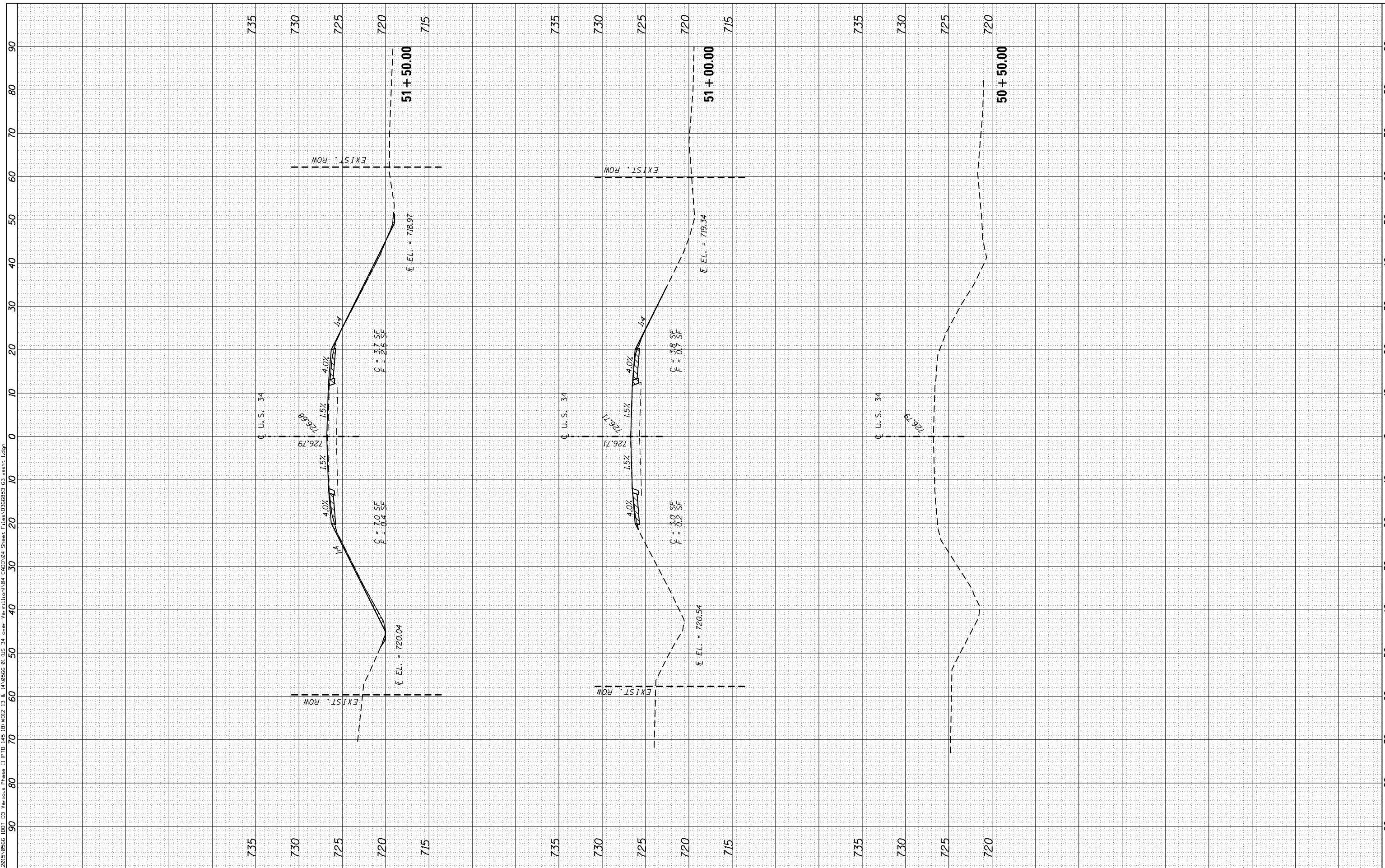
SCALE: N/A SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	62
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

BY	DATE

BY	DATE

FILE NAME = P:\2015\0556 IDOT D3 Various Phase II\PTB 145-181\MOZ 13 & 14\0556-01 US 34 over Vermillion\04-CAD\04-Sheet Files\0366853-63-vasth1.dgn



USER NAME =	Ibolzenius
DESIGNED -	LAB
DRAWN -	JG
CHECKED -	DAZ
DATE -	08/15/17

REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

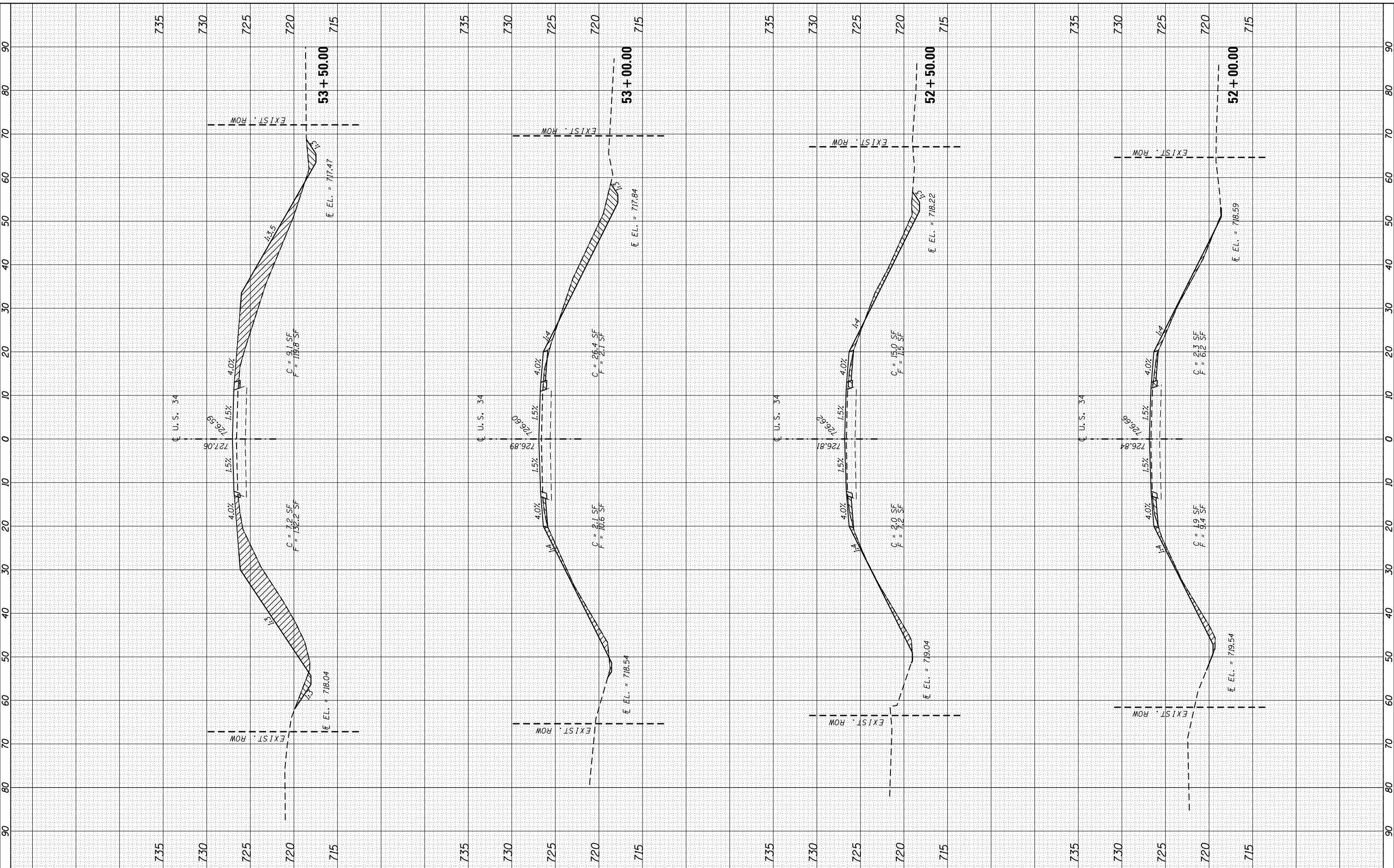
SCALE: 1" = 10' SHEET NO. 1 OF 5 SHEETS STA. 50+50.00 TO STA. 51+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	63
CONTRACT NO. 66853			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = P:\2015\0556 IDOT D3 Various Phase II IPTB 145-1B1\02 13 & 14\0556-01 US 34 over Vermillion\04-CAD\04-Sheet Files\0366853-64-ssht-2.dgn



USER NAME = lboizenus	DESIGNED - LAB	REVISIONS
	DRAWN - JG	REVISIONS
PLOT SCALE = 20.0000' / in.	CHECKED - DAZ	REVISIONS
PLOT DATE = 8/15/2017	DATE - 08/15/17	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

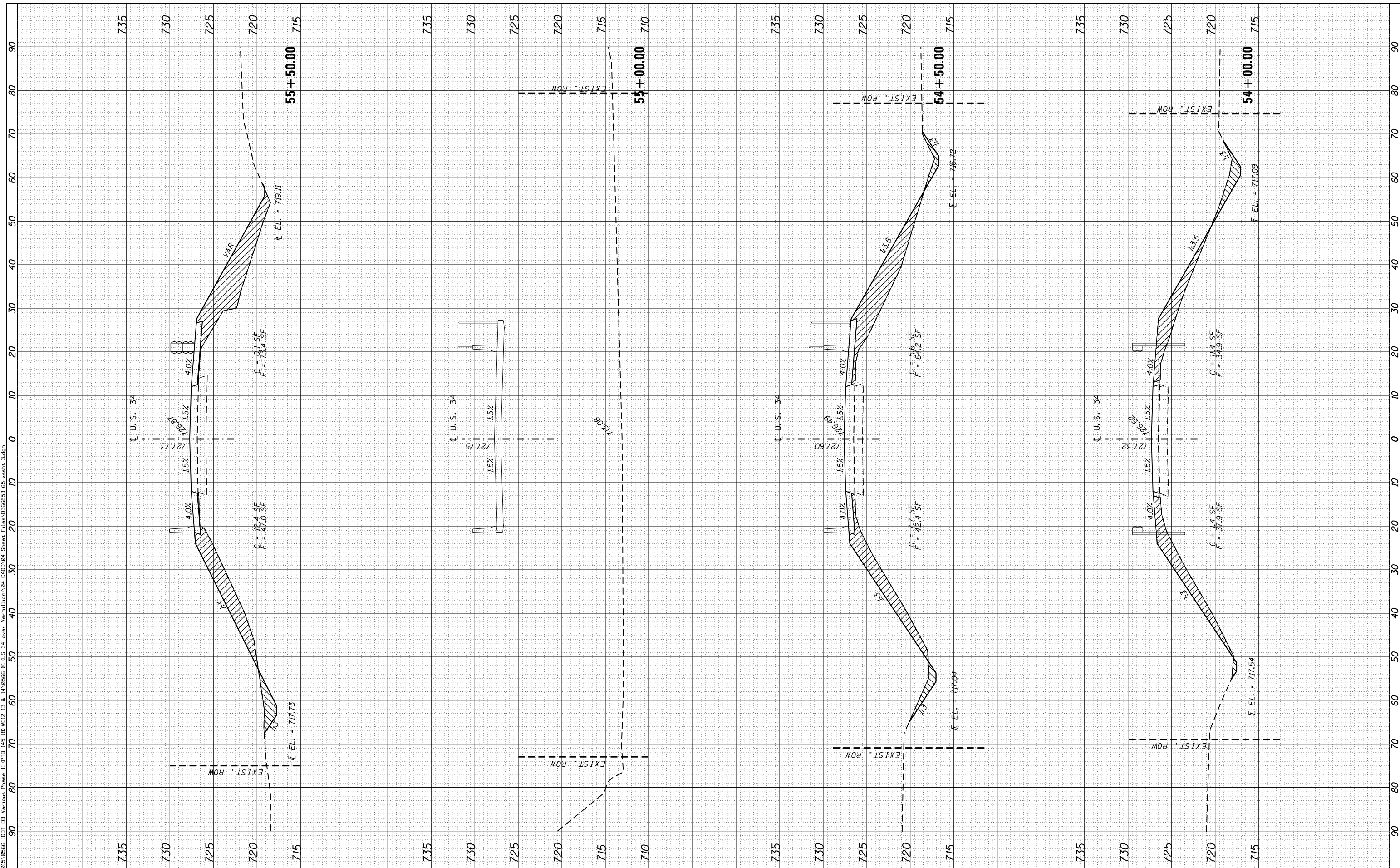
SCALE: 1" = 10' SHEET NO. 2 OF 5 SHEETS STA. 52+00.00 TO STA. 53+50.00

F.A.P. RTE. 587	SECTION (20)BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 64
CONTRACT NO. 66853			ILLINOIS FED. AID PROJECT	

FILE NAME = F:\2015\0556\DOT\03 Various Phase II\PTB 145-1B1\WDZ 13 & 14\0556-01 US 34 over Vermont\104-CAD\04-Sheet Files\0366853-65-ssht-3.dgn

ORIGINAL SURVEY NO.	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

FINAL SURVEY NO.	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



USER NAME =	Ibolzenius
DESIGNED -	LAB
DRAWN -	JG
CHECKED -	DAZ
DATE -	08/15/17
PLOT SCALE =	20.0000' / in.
PLOT DATE =	8/15/2017

REVISED -	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

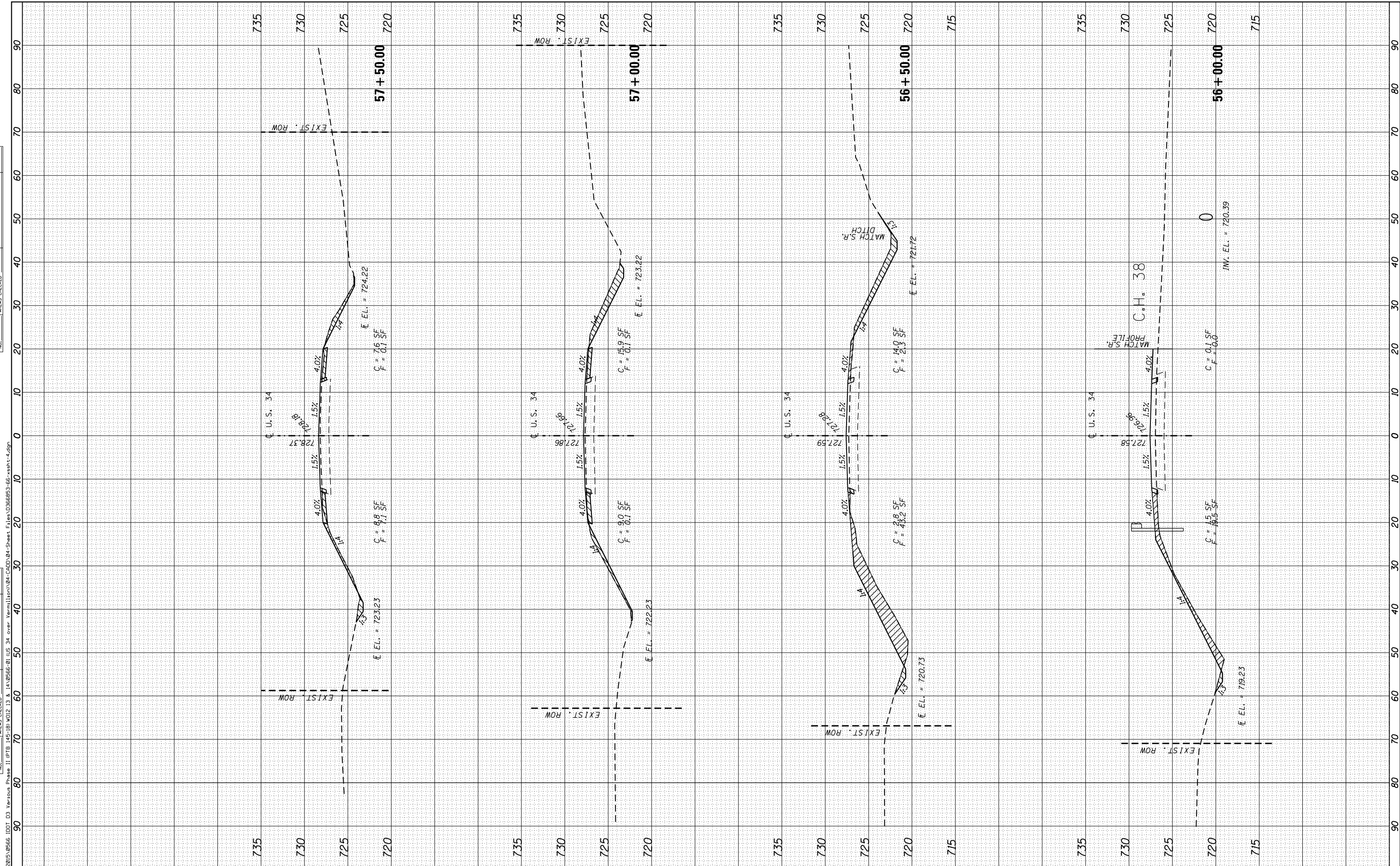
SCALE: 1" = 10' SHEET NO. 3 OF 5 SHEETS STA. 54+00.00 TO STA. 55+50.00

F.A.P. RTE. 587	SECTION I20IBR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 65
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

BY	DATE

BY	DATE

FILE NAME = P:\2015\0556\DOT_D3 Various Phase II\PTB 145-1B1\MOZ 13 & 14\0556-01 US 34 over Vermillion\04-CAD\04-Sheet Files\036853-66-sheet-4.dgn



USER NAME =	Ibolzenius
DESIGNED -	LAB
DRAWN -	JG
CHECKED -	DAZ
DATE -	08/15/17

REVISED -	-
REVISED -	-
REVISED -	-
REVISED -	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1" = 10' SHEET NO. 4 OF 5 SHEETS STA. 56+00.00 TO STA. 57+50.00

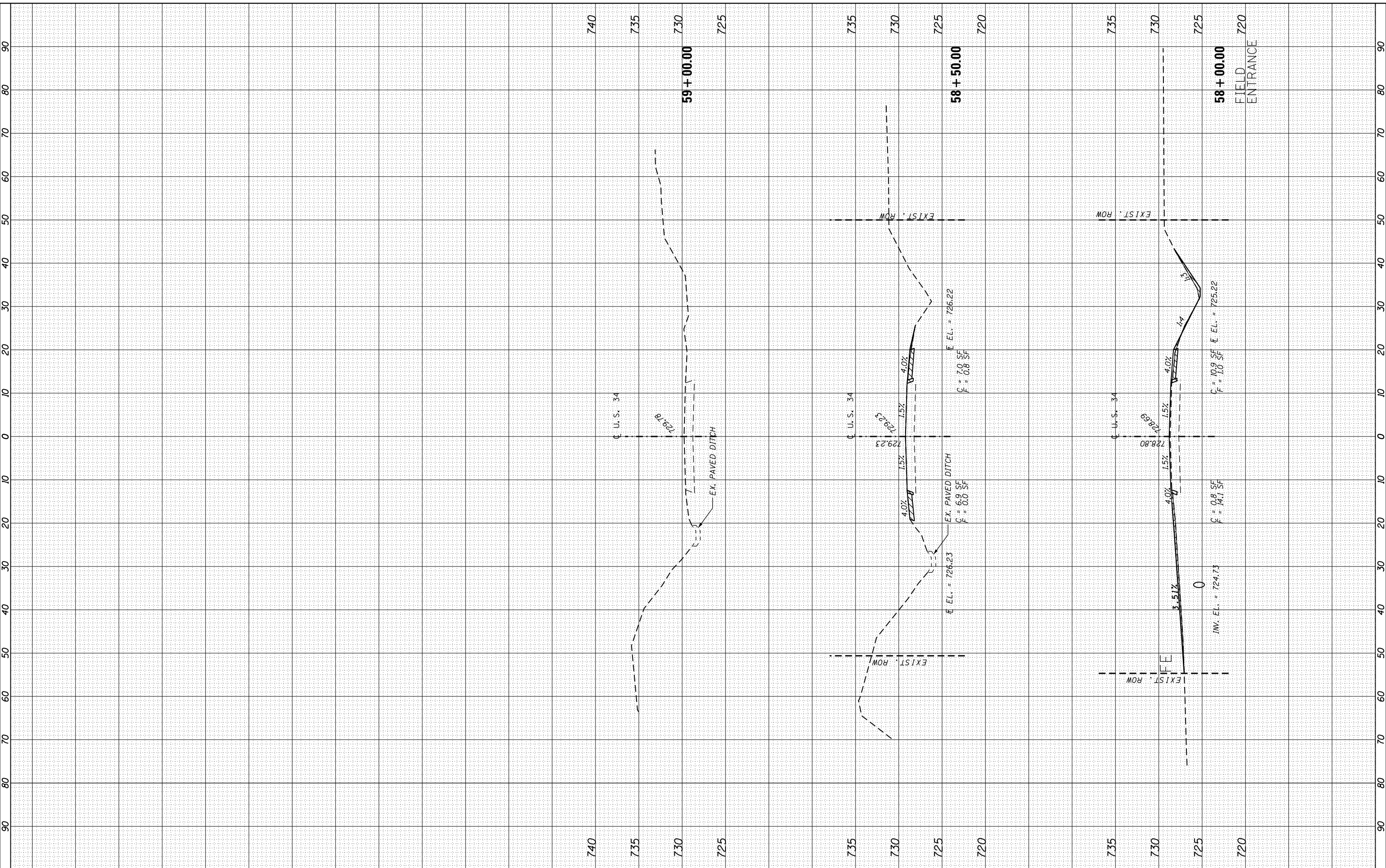
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20)BR	LASALLE	69	66
CONTRACT NO. 66853				

ILLINOIS FED. AID PROJECT

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = F:\2015\0556\DOT\03 Various Phase II\PTB 145-181\MOZ 13 & 14\0556-01 US 34 over Vermillion\04-CAD\04-Sheet Files\036853-67-ssht-5.dgn



USER NAME = Ibolzenius	DESIGNED - LAB	REVISIED -
PLOT SCALE = 20.0000' / in.	DRAWN - JG	REVISIED -
PLOT DATE = 8/15/2017	CHECKED - DAZ	REVISIED -
	DATE - 08/15/17	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

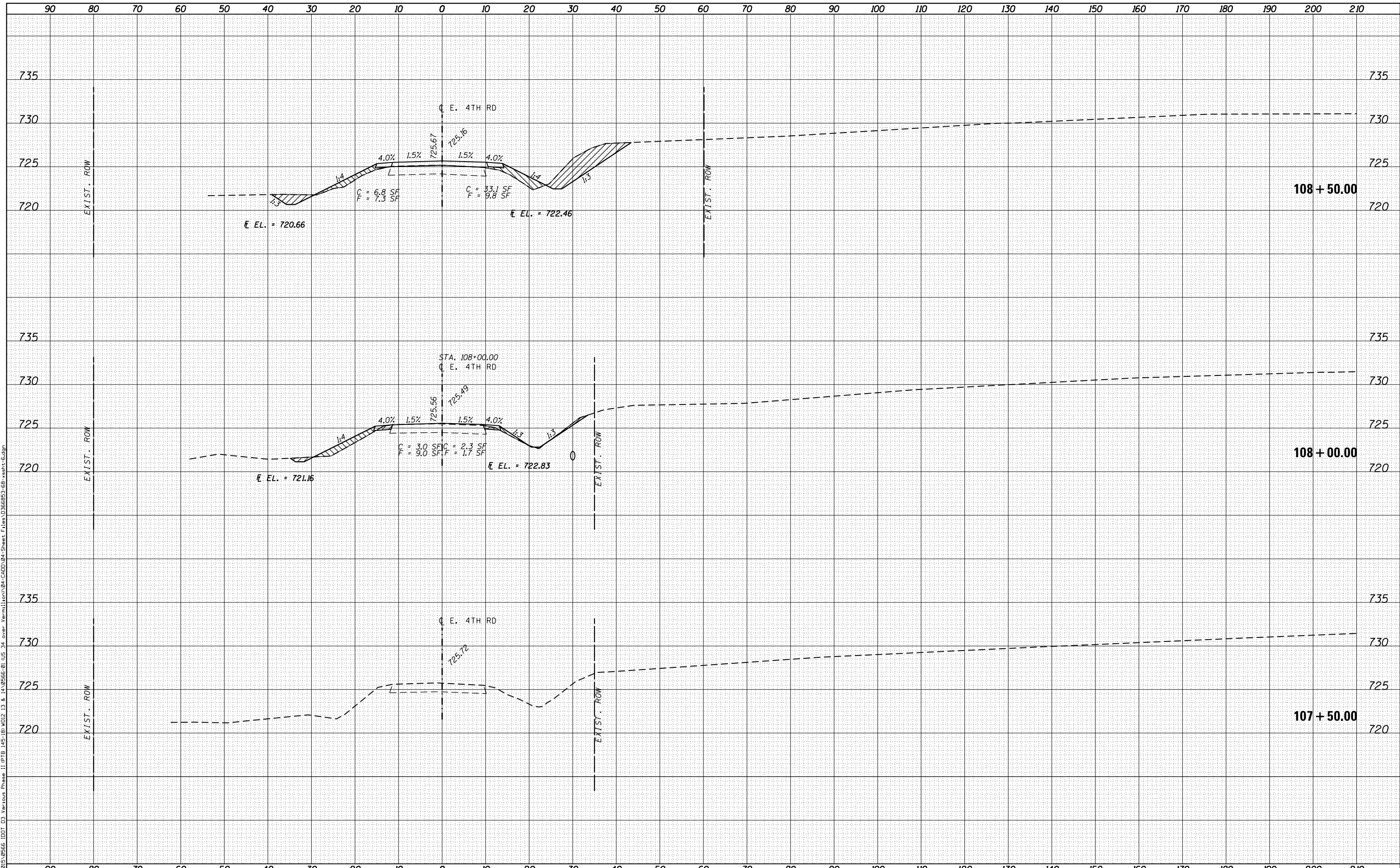
SCALE: 1" = 10' SHEET NO. 5 OF 5 SHEETS STA. 58+00.00 TO STA. 59+00.00

F.A.P. RTE. 587	SECTION (20)BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 67
CONTRACT NO. 66853				ILLINOIS FED. AID PROJECT

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

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

FILE NAME = P:\2015\0565 IDOT D3 Various Phase II\PTB 145-181\MOZ 13 & 14\0565-01 US 34 over Vermilion\04-CADD\04-Sheet Files\036853-68-vast-Edgn



USER NAME = Ibolzenius	DESIGNED - LAB	REVISED -
	DRAWN - JG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/15/2017	DATE - 05/29/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

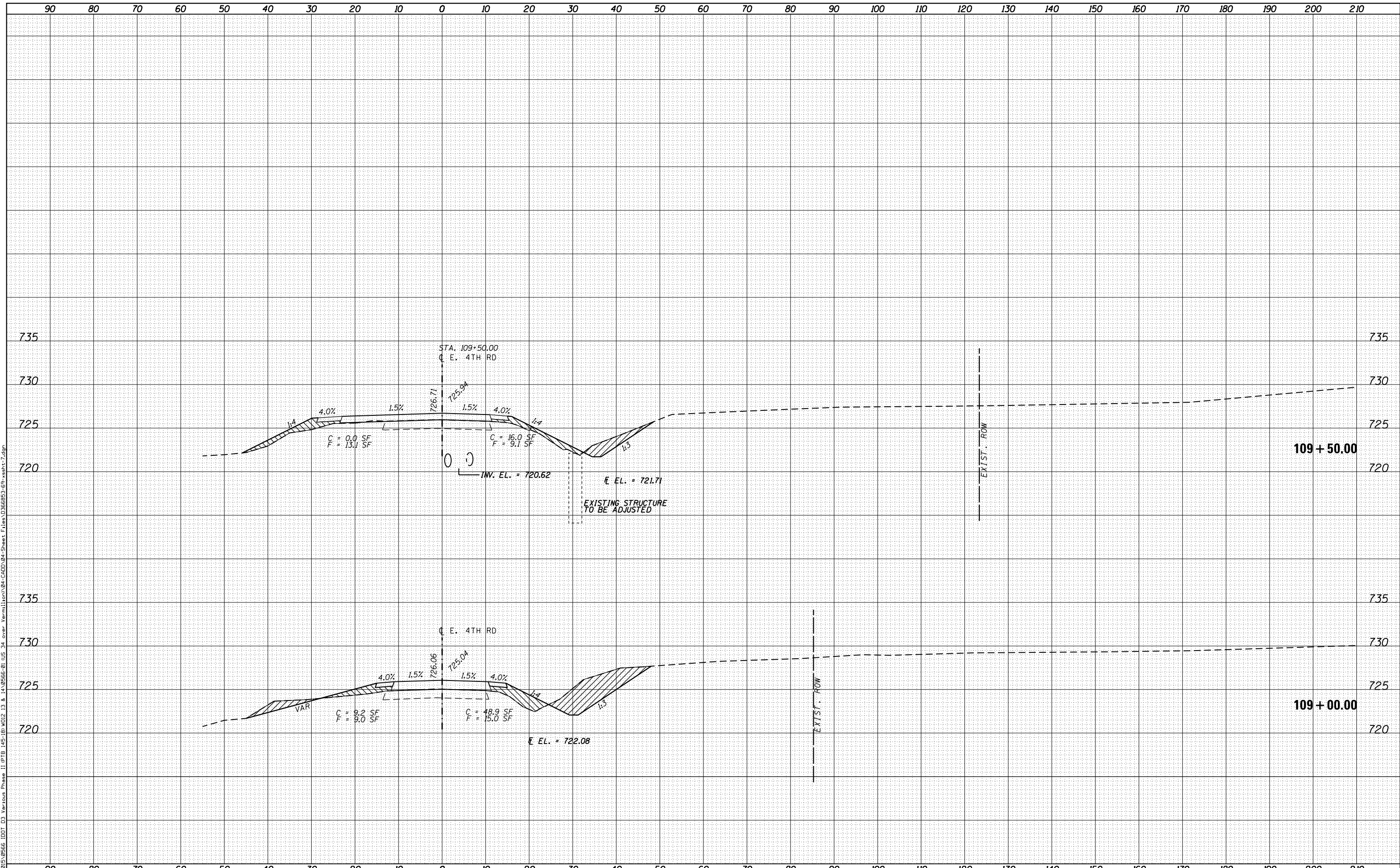
CROSS SECTIONS		
CH 38 / E. 4TH ROAD		
SCALE: 1" = 10'	SHEET NO. 1 OF 2 SHEETS	STA. 107+50.00 TO STA. 108+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(20) BR	LASALLE	69	68
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME = P:\2015\0565 IDOT D3 Various Phase II\PTB 145-181\MOZ 13 & 14\0565-01 US 34 over Vermilion\04-CADD\04-Sheet Files\0565-01-69-rsht-7.dgn



USER NAME = lbozzenius	DESIGNED - LAB	REVISED -
	DRAWN - JG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/15/2017	DATE - 05/29/15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS CH 38 / E. 4TH ROAD		
SCALE: 1" = 10'	SHEET NO. 2 OF 2 SHEETS	STA. 109+00.00 TO STA. 109+50.00

F.A.P. RTE. 587	SECTION (20) BR	COUNTY LASALLE	TOTAL SHEETS 69	SHEET NO. 69
CONTRACT NO. 66853				
ILLINOIS FED. AID PROJECT				