01-16-2026 LETTING ITEM 170 INDEX OF SHEETS

SHEET NO. SHEET

- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES
- 3 TYPICAL SECTIONS
- **SCHEDULE OF QUANTITIES**
- GENERAL NOTES APPLICATION RATES
- 5 HOT-MIX ASPHALT MIXTURE REQUIREMENTS
- TRAFFIC CONTROL AND PROTECTION
- 6-7 PLAN AND PROFILE SHEETS
- 8 HMA SURFACE REMOVAL AND PAVING DETAIL SHEET
- 9-10 BUTT JOINT FEATHER EDGE DETAIL SHEET
- 11 RETAINING WALL (SPECIAL) DETAIL SHEET

12-27 BRIDGE PLAN SHEETS

- 28-34 CROSS SECTIONS (ROADWAY)
- 35-39 CROSS SECTIONS (CHANNEL)

STANDARDS

- STANDARD 280001-07
- STANDARD 420001-11
- STANDARD 515001-04
- STANDARD 630001-13
- STANDARD 630301-09
- STANDARD 701901-11
- STANDARD 725001-01
- STANDARD BLR 21-9
- STANDARD BLR 27-1

PROPOSED IMPROVEMENT TO CONSIST OF THE CONSTRUCTION OF A TWO SPAN 117.00 FT. (BK.—BK. ABUT.) X 30' WIDE PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE. AT 10° RHK SKEW ON A PILE BENT SUBSTRUCTURE AND THE NECESSARY BRIDGE APPROACH ADJUSTMENTS.

EXISTING STRUCTURE CONSISTS OF A 3 SPAN 103-5" BK-BK ABUTMENT X 30' WIDE PRECAST CONCRETE U CHANNEL BEAM BRIDGE ON A PILE BENT SUBSTRUCTURE.

PLAN SHEETS

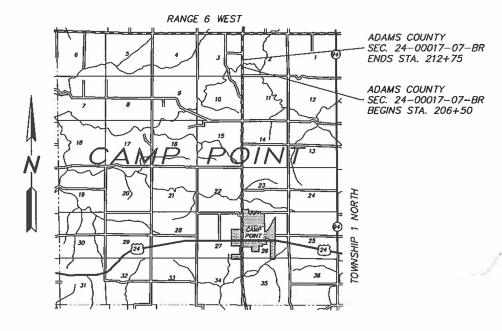
PROFILE HORZ.

PROFILE VERT.

CROSS SECTIONS

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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
BRIDGE REPLACEMENT
LOCAL BRIDGE FORMULA PROGRAM
ADAMS COUNTY SECTION 24-00017-07-BR
EXISTING SN 001-3303
PROPOSED SN 001-3344
FAS ROUTE 1589 (COUNTY HIGHWAY 11)
JOB NO. C-96-009-25
FEDERAL PROJECT NO. W05Y(243)



LOCATION MAP

APPROX. SCALE: 1" = 1 MILE

NET LENGTH OF IMPROVEMENT = 625.00 FT. = 0.118 MI.

<u>DESIGN DESIGNATION:</u> MAJOR COLLECTOR — 725 (2019 ADT) DESIGN SPEED — 40 M.P.H.

THESE PLANS WERE PREPARED BY ME OR A FULL TIME MEMBER OF MY STAFF WORKING UNDER MY PERSONAL SUPERVISION.

SUBMITTED BY

COUNTY ENGINEER DATE 9/22/25
LICENSE NO. 062-044792
LIC. EXPIRES 11/30/2025

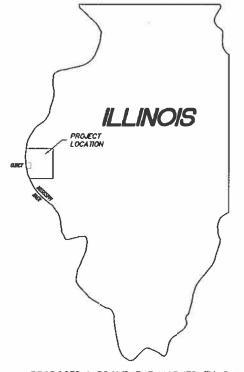


COUNTY ROUTE SECTION SHT. NO.

ADAMS FAS 1589 24-00017-07-BR 1

TOTAL NO. SHEETS - 39

CONTRACT NO. 93849



PROPOSED IMPROVEMENT MARKED THUS -

PASSED

DISTRICT SIX ENGINEER

DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW

AREGION FOUR ENGINEER

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PREPARED BY
ADAMS COUNTY HIGHWAY DEPARTMENT
101 NORTH 54th STREET, QUINCY, ILLINOIS

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SPECIA PROVISI
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	153	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	138	
20200100	EARTH EXCAVATION	CU YD	12	*
20300100	CHANNEL EXCAVATION	CU YD	475	*
20400800	FURNISHED EXCAVATION	CU YD	37	*
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	
28100209	STONE RIPRAP, CLASS A5	TON	840	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	750	
40600982	HOT-MIX SURFACE REMOVAL - BUTT JOINT	SQ YD	140	*
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	140	
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	141	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	160	
50100100	REMOVAL OF EXISTNG STRUCTURES	EACH	1	*
50200300	COFFERDAM EXCAVATION	CU YD	45	
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1	
50300225	CONCRETE STRUCTURES	CU YD	73.90	
50300280	CONCRETE ENCASEMENT	CU YD	6.40	
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1318	*
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	2128	*
50800205	REINFORCEMENT BARS (EPOXY COATED)	POUND	6830	
50901050	STEEL RAILING, TYPE SM	FOOT	234	
	·			
51201400	FURNISHING STEEL PILES HP10x42	FOOT	88	

CODE NO.	ITEM	PILES HP12x53 FOOT 270 FOOT 176 EACH 1 GUARDRAIL, TYPE A, 6 FOOT POSTS FOOT 150 FOOT 375 FOOT 375 FOOT 178 FOOT 375 FOOT 128 FOOT 150 F	SPECIAL PROVISIO	
51201600	FURNISHING STEEL PILES HP12x53	FOOT	270	
51202305	DRIVING PILES	SHING STEEL PILES HP12x53 FOOT 270 INC PILES FOOT 176 PILE STEEL HP10X42 EACH 1 PILE STEEL HP12X53 EACH 1 INC AND SETTING PILES (IN ROCK) CU FT 110 PLATES EACH 1 PLATES EACH 1 PLATES EACH 4 IC BARRIER TERMINAL, TYPE 4, 6 FOOT POSTS FOOT 150 IC BARRIER TERMINAL, TYPE 5A EACH 4 IC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT EACH 4 IZATION L SUM 1 IZATION L SUM 1 IZATION T TERM PAVEMENT MARKING FOOT 128 IVAL MARKER - DIRECT APPLIED EACH 4 IVAL MARKER - DIRECT APPLIED EACH 4 IVAL MARKER - DIRECT APPLIED EACH 4 IVAL MARKER - DIRECT REMOVAL, VARIABLE DEPTH SO YD 735 IVAL MARKER SYSTEM (SPECIAL) NING WALL (SPECIAL) SO YD 383 IC CONTROL AND PROTECTION, STANDARD BLR 21 L SUM 1 STOS BEARING PAD REMOVAL EACH 36		
51203400	OO FURNISHING STEEL PILES HP12x53 FOOT OS DRIVING PILES FOOT OO TEST PILE STEEL HP10X42 EACH OO TEST PILE STEEL HP10X42 EACH OO ARM PLATES EACH OO STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS FOOT TO TRAFFIC BARRIER TERMINAL, TYPE 5A EACH OO MOBILIZATION L SUM CAL DAY OO SHORT TERM PAVEMENT MARKING FOOT OO BRIDGE APPROACH PAVEMENT (SPECIAL) OO BRIDGE APPROACH PAVEMENT (SPECIAL) OO WATERPROOFING MEMBRANE SYSTEM (SPECIAL) OO WATERPROOFING MEMBRANE SYSTEM (SPECIAL) OO TARFFIC CONTROL AND PROTECTION, STANDARD BLR 21 L SUM OO ASBESTOS BEARING PAD REMOVAL EACH OO ASBESTOS BEARING PAD REMOVAL EACH OO ASBESTOS BEARING PAD REMOVAL EACH EACH OO ASBESTOS BEARING PAD REMOVAL EACH EACH EACH EACH CO ASBESTOS BEARING PAD REMOVAL	1		
51203600	TEST PILE STEEL HP12X53	EACH	1	
51265002	DRILLING AND SETTING PILES (IN ROCK)	CU FT	110	
51500100	NAME PLATES	EACH	1	
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	150	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	
63200310	GUARDRAIL REMOVAL	FOOT	375	*
67100100	MOBILIZATION	L SUM	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	120	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	128	
72501000	TERMINAL MARKER — DIRECT APPLIED	EACH	4	
X4201400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	107	*
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	735	*
X5220090	RETAINING WALL (SPECIAL)	SQ FT	375	*
X5810100	WATERPROOFING MEMBRANE SYSTEM (SPECIAL)	SQ YD	383	*
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	*
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	36	*
<i>Z0076600</i>	TRAINEES	HOUR	500	
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	

SPECIALTY ITEM Δ 0042

USER NAME =	DESIGNED -	REVISED -
	DRAWN - JRF	REVISED -
PLOT SCALE = 1:20	CHECKED —	REVISED -
PLOT DATE =	DATE -	REVISED -

SUMMARY OF QUANTITIES					
F	AS ROUTE 1589 ((E 2300th	ST)		
	CUEET 4 OF 4 CUEETO	674	TO 074		

COUNTY	ROUTE	SECTION	'	TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1589	24-00017-0	7–BR	39	2
COUNTY HIGHWAY 11					
			CON	TRACT NO	9.3849

TYPICAL CROSS SECTIONS - 10'-6" 10'-6" PROFILE GRADE VARIES EXISTING MATERIALS: 1. ±9" AGGREGATE BASE COURSE, TYPE B 2. 2 1/2" BITUMINOUS CONCRETE SURFACE 3/4" LEVELING BINDER (MACHINE METHOD), MIXTURE C, EXISTING CONSTRUCTION SECTIONS: SEC. 17—A—15D SEC. 17G TYPE 2 (VARIOUS LOCATIONS) 2 1/4" POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, CLASS I, TYPE 2, SPECIAL 5. AGGREGATE SHOULDER WEDGE SEC. 17G SEC. 82-00017-02-RS SEC. 95-00148-00-FP L2 EXISTING TYPICAL SECTION STATION 206+50 TO STATION 208+73 - PROFILE GRADE **VARIES** EXISTING MATERIALS: ±10" AGGREGATE BASE COURSE, TYPE B 2. 1½" HMA BINDER COURSE 3. 1" HMA SURFACE COURSE, MIX "C", CLASS 1 EXISTING CONSTRUCTION SECTIONS: SEC. 17G SEC. 83-00017-03-RS SEC. 95-00148-00-FP L2 4. 1 ½" POLY HMA SURFACE COURSE, MIX "C", CLASS 1, TYPE 2 5. AGGREGATE SHOULDER WEDGE EXISTING TYPICAL SECTION STATION 209+76.7 TO STATION 212+75 4' MIN. VARIES 4' MIN. VARIES - 10'-6" FOR GUARDRAIL FOR GUARDRAIL PROFILE GRADE (10) PROPOSED TYPICAL SECTION STATION 206+50 TO STATION 208+49.6 PROPOSED MATERIALS: 7. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH BRIDGE OMISSION: STA. 208+49.6 TO STA. 210+00.4 8. 1 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50 9. 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 10. AGGREGATE SHOULDERS, TYPE B 4' MIN VARIES 4' MIN VARIES 10'-6" 10'-6" FOR GUARDRAIL FOR GUARDRAIL PROFILE GRADE VARIES EXISTING TO 2.0% (7)PROPOSED TYPICAL SECTION

ADAMS COUNTY
HIGHWAY DEPARTMENT

USER NAME =

PLOT SCALE = 1:2

DESIGNED -

CHECKED -

DATE -

DRAWN - JRF

REVISED -

REVISED -

REVISED -

TYPICAL SECTIONS
FAS 1589 (E 2300TH ST)

SHEET 1 OF 1 SHEETS STA. -- TO S

EARTHWORK

LOCATION / STA STA.	EARTH EXCAVATION	EMBANKMENT	FURNISHED EXCAVATION
	CU YD	CU YD	CU YD
STA. 206+50 - STA. 208+66.5	1	24	24
STA. 209+83.5 - STA. 212+75	11	21	13
TOTAL	12	45	37

PAVEMENT SCHEDULE

· · · · · · · · · · · · · · · · · · ·						
LOCATION / STA. – STA.	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	AGGREGATE SHOULDER STONE, TYPE B	SHORT TERM PAVEMENT MARKING	
	POUND	TON	TON	TON	FOOT	
STA. 206+50 - STA. 208+49.6	315	65	40	75		
BRIDGE DECK			46		128	
STA. 210+00.4 - STA. 212+75	435	75	55	85		
TOTAL	750	140	141	160	128	

SHORT TERM PAVEMENT MARKING TO CONSIST OF DOUBLE 4 FT. STRIPES EVERY 40 FEET.

GUARDRAIL

STA. – STA.	TRAFFIC BARRIER TERMINAL, TYPE 5A	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS	TERMINAL MARKER, DIRECT APPLIED	GUARDRAIL REMOVAL
	EACH	EACH	FOOT	EACH	FOOT
RT. STA. 207+43.4 - STA. 208+69.1	1	1	62.5	1	125
LT. STA. 207+88.1 - STA. 208+63.8	1	1	12.5	1	62.5
RT. STA. 209+86.1 - STA. 210+61.9	1	1	62.5	1	62.5
LT. STA. 208+80.8 - STA. 211+06.6	1	1	12.5	1	125
TOTAL	4	4	150.0	4	<i>375</i>

HMA SURFACE REMOVAL

LOCATION / STA. – STA.	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
	SQ. YD.	SQ. YD.
STA. 206+50 - STA. 208+49.6	117	175
STA. 210+00.4 - STA. 212+75	23	560
TOTALS	140	735

TREE REMOVAL, UNIT DIA.

77 LL, O11	
6 - 15	>15'
13	
13	
12	
7	
11	
	20
	21
	29
	21
10	
13	
	29
9	
9	
8	
	18
13	
13	
12	
10	
153	138
	13 13 12 7 11 10 10 13 9 9 8 13 13 12 10

USER NAME =	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:1	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -

ADAMS COUNTY	
HIGHWAY DEPARTMENT	•

		COUNTY	ROUTE	SECTION		TOTAL SHEETS	SHEE NO.
SCHEDULE OF QU	QUANTITIES	ADAMS	FAS 1589	24-00017-0	7-BR	39	4
		COL	JNTY HIGHWA	Y 11			
011557 4 05 4 0115570	CTA TO CTA				004/	TO A O.T. NO	0.70

GENERAL NOTES

- 1. WHERE SECTION OR SUB-SECTION STONES, PROPERTY PINS. USGS BENCH MARK MONUMENTS, AND U.S. ARMY CORPS OF ENGINEERS SURVEY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES AND MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS UNTIL AN OWNER, AN AUTHORIZED SURVEYOR OR THEIR REPRESENTATIVE HAS WITNESSED OR OTHERWISE REFERENCED THE PROPERTY MARKS LOCATION.
- 2. ALL PRIVATELY OWNED UTILITIES, UNLESS OTHERWISE SPECIFIED, WILL BE MOVED BY THEIR RESPECTIVE OWNERS WHERE REQUIRED. THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES WITHIN THE LIMITS OF CONSTRUCTION:

ADAMS FIBER

- 3. THE NOMINAL THICKNESS FOR AGGREGATE SURFACE COURSE IS SHOWN ON THE TYPICAL SECTION, STANDARDS, SCHEDULES OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90% OF THE NOMINAL THICKNESS AT ANY LOCATION.
- 4. THE UTILITY LOCATIONS, IF MARKED ON THE PLANS, ARE FOR REFERENCE ONLY, AND ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND TO NOTIFY ALL UTILITY COMPANIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THIS WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 6. ALL DISTURBED AREAS WITHIN THE RIGHT—OF—WAY SHALL BE SEEDED. FERTILIZED, AND MULCHED AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.
- 7. ANY EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 8. SHORT TERM PAVEMENT MARKING REMOVAL BY OTHERS.
- 9. PAVEMENT MARKINGS BY OTHERS
- 10. FINAL SEEDING BY OTHERS. TEMPORARY SEEDING TO BE APPLIED TO ALL DISTURBED AREAS BY CONTRACTOR.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

LOCATION(S):	CO HWY 11	CO HWY 11
MIXTURE USE(S):	HMA SURFACE CSE	HMA BINDER CSE, IL-9.5FG
AC/PG:	PG 64-22	PG64-22
DESIGN AIR VOIDS	4.0% @ N design = 50	4.0% @ N design = 50
MIXTURE COMPOSTION	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIX "C"	N/A
QUALITY MANAGEMENT	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A

NOTE: HOT-MIX ASPHALT QUANTITIES CALCULATED @ 112#/SQ.YD./IN.

APPLICATION RATES

AGGREGATE (SHOULDER STONE)

1.8 TON/CU YD

BITUMINOUS MATERIALS (TACK COAT)

ON EXISTING PAVEMENT 0.05 LB/SQ FT

BETWEEN HMA LIFTS 0.025 LB/SQ FT

 USER NAME =
 DESIGNED REVISED

 DRAWN - JRF
 REVISED

 PLOT SCALE = 1:1
 CHECKED REVISED

 PLOT DATE =
 DATE - 4/13/2022
 REVISED

ADAMS COUNTY HIGHWAY DEPARTMENT

TRAFFIC CONTROL AND PROTECTION GENERAL NOTES APPLICATION RATES HMA MIXTURE REQUIREMENTS SCALE SHEET 1 OF 1 SHEETS STA. -- TO STA. - COUNTY ROUTE SECTION SECTION SECTION SECTION SECTION SECTION SECTION OF SHEETS SECTION SECTIO

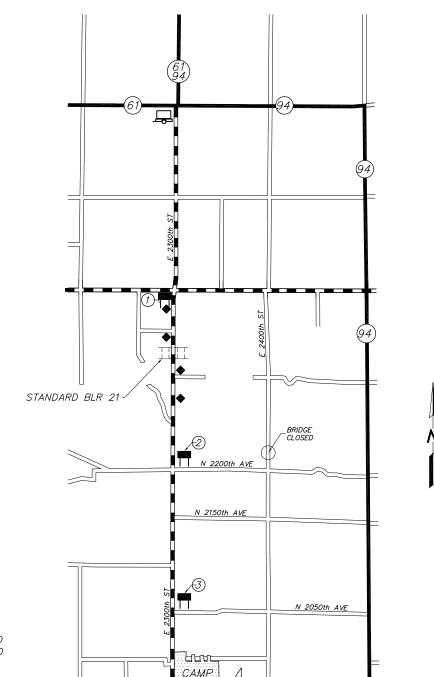
POIN1

TRAFFIC CONTROL AND PROTECTION

() R11-3 SIGN ROAD CLOSED LOCAL TRAFFIC ONLY 0.7 MILES AHEAD (FACING NORTH)

2) R11-3 SIGN ROAD CLOSED LOCAL TRAFFIC ONLY 1.3 MILES AHEAD (FACING SOUTH)

③ R11-3 SIGN ROAD CLOSED LOCAL TRAFFIC ONLY 2.8 MILES AHEAD (FACING SOUTH)

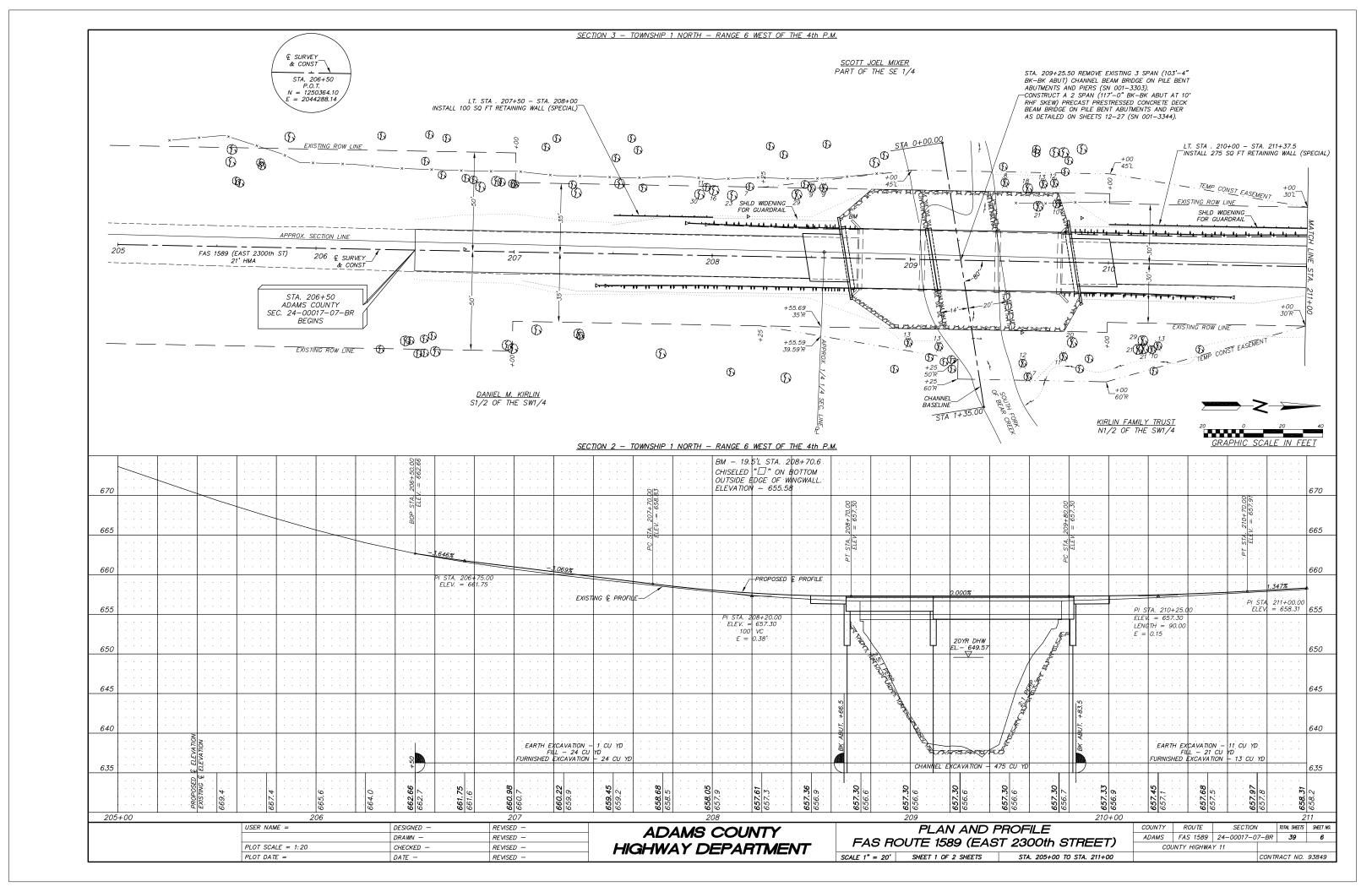


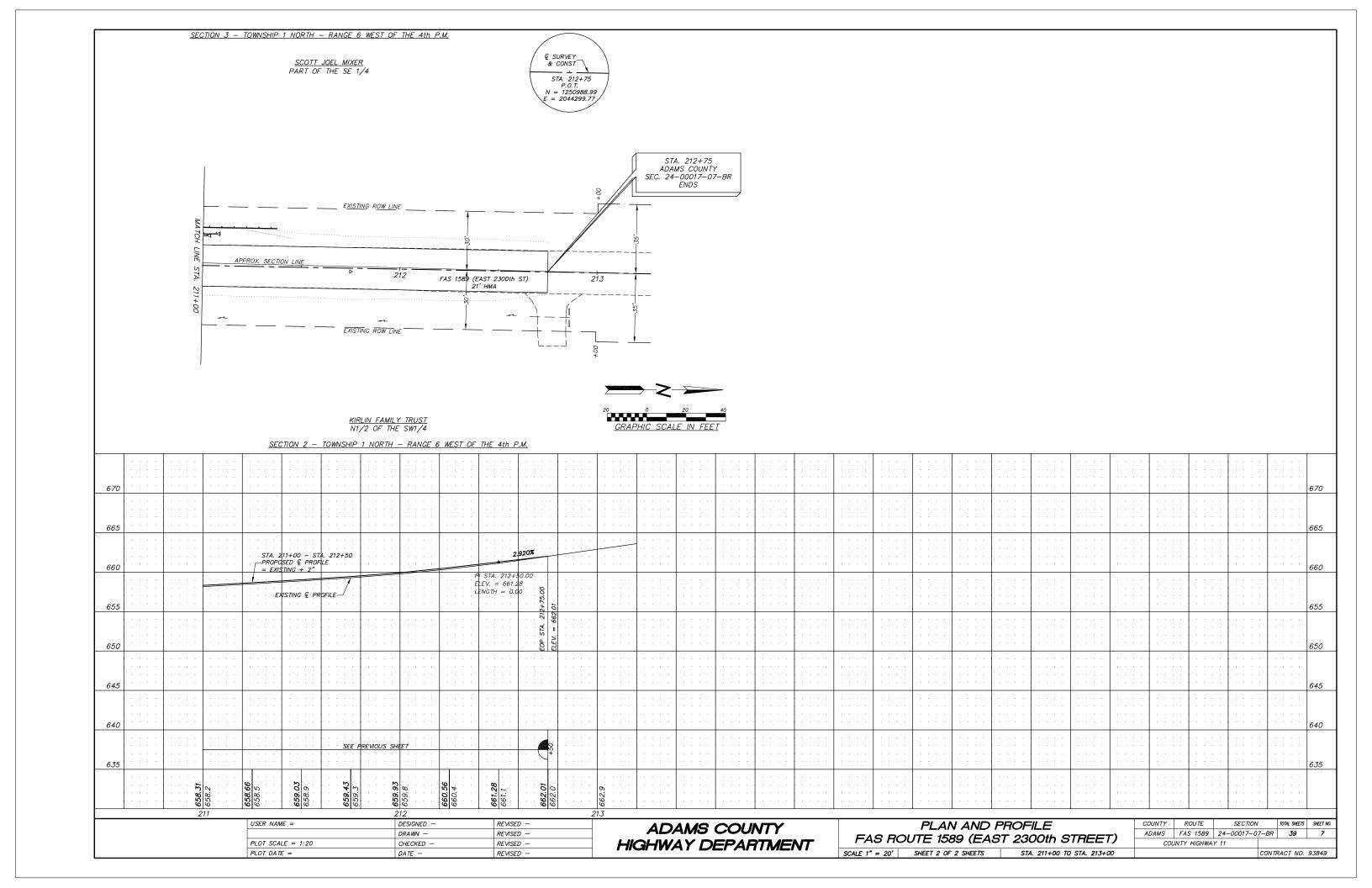
CHANGEABLE MESSAGE SIGN

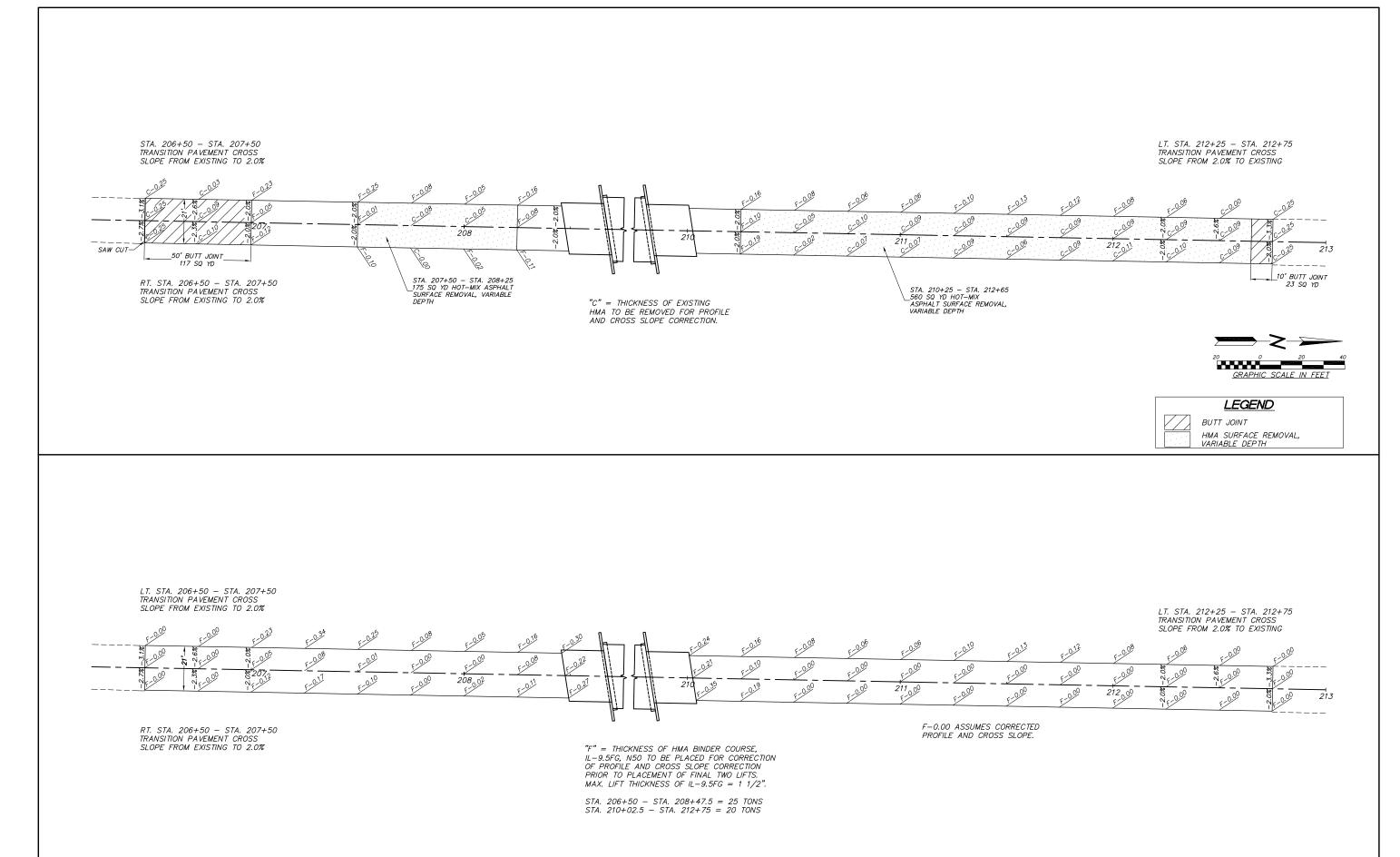
DISPLAY MESSAGES

WEEK/	BRIDGE/
OF/	CLOSED/
XXX XX/	
·	TO/
BRIDGE/	THRU/
CLOSED/	TRAFFIC/
X.X MI/	X.X MI/
AHEAD/	AHEAD/

ROAD CLOSURE DISTANCE — AT US 24 4.0 MILES AHEAD AT IL 94/IL 61 2.7 MILES AHEAD







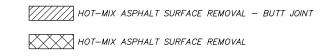
USER NAME =	DESIGNED —	REVISED —	ADAMS COUNTY	HOT-MIX ASPHALT SU	IRFACE REMOVAL	COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
	DRAWN - REVISED - AND COC			ADAMS	FAS 1589	24-00017-07-BR	39	8		
PLOT SCALE = 1:20	CHECKED —	REVISED —	HIGHWAY DEPARTMENT	PROFILE AND CROSS SLOPE CORRECTION -	UNTY HIGHWAY	r 11	7-07-BR 39 8			
PLOT DATE =	DATE -	REVISED —		SCALE 1" = 20' SHEET 1 OF 1 SHEETS	STA TO STA			89 24-00017-07-BR 39 8		

Saw cut to the depth of the proposed surface course Existing overlay or surface cse. Pay limits for Hot-Mix Asphalt Surface Removal - Butt Joint See Table A for length determination. Proposed surface Course Proposed surface cse. Removal limits Existing pav't or base cse.

CASE 1: BUTT JOINT w/ SURFACE OVERLAY

–Transition for Length for Total Pavement Overlay thickness, see Table A.: Pay limits for Hot-Mix Asphalt Surface Removal - Butt Joint Total pavement See Table A for length determination. overlay thickness Saw cut to the depth of the -HMA Surface Course Proposed surface-Existing overlay or surface cse. –1" for HMA Binder, IL–19.0 HMA Surface Cse. Wedge-Leveling Binder and/or Binder Cse._ -Removal limits when applicable (See plans). _Existing pav't or base cse.

CASE 1A: BUTT JOINT W/ SURFACE & BINDER OVERLAY



<u>General Notes</u>

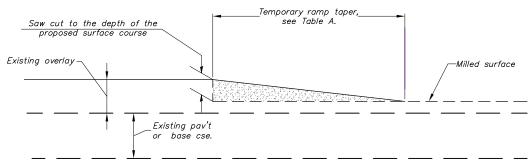
Provision for Butt Joints.

and the Special Provisions for Butt Joints.

1. The work shall be done in accordance with Article 406.08 and the Special

2. The pavement surface to be removed may be either HMA or P.C. concrete. The work shall be performed in accordance with Article 440.04

 The saw cut joints shall be primed just prior to the placing of HMA material. The work will be in accordance with the applicable portions of Article 406.05.



TEMPORARY RAMP DETAIL

TABLE A - TAPER RATES

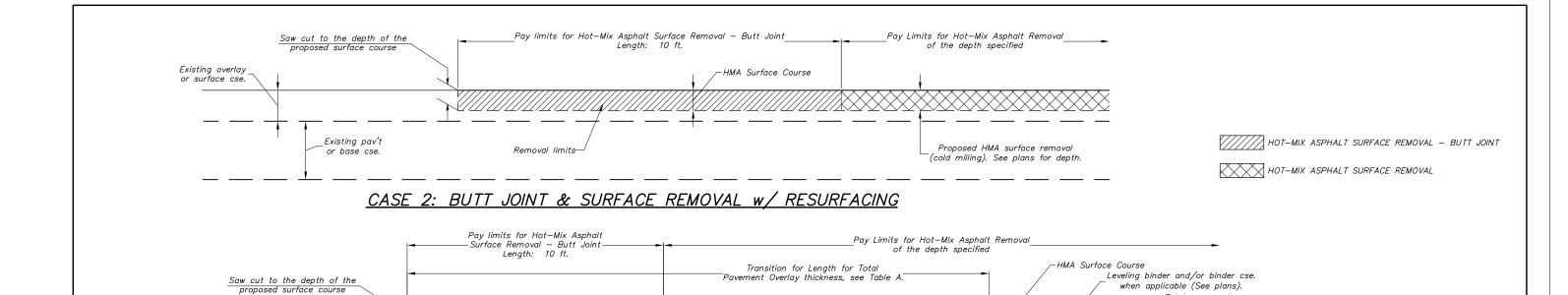
TEMPORARY RAMP	3' per 1" of HEIGHT	4' per 1" of DEPTH
FEATHEREDGE	20' per 1" of THICKNESS	30' per 1" of THICKNESS LESS 3" from TOTAL
BUTT JOINT	20' per 1" of DEPTH	30' per 1" of DEPTH
ELEMENT	POSTED SPEED < 45 MPH	POSTED SPEED => 45 MPH

Length of butt joint = Thickness of Surface Cse multiplied by the Taper Rate. Length of Pav't Transition = Total Pav't thickness mulitplied by the Taper Rate.

USER NAME =	DESIGNED —	REVISED - 06/13/2023	
	DRAWN - JRF	REVISED —	
PLOT SCALE = 1:20	CHECKED —	REVISED —	
PLOT DATE =	DATE - 1/14/2016	REVISED —	

	BUTT JO	INTS
F	EATHER EDGE	TRANSITIONS
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA TO STA

COUNTY	ROUTE	SECTION		TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1589	24-00017-0	7–BR	39	9
COL	INTY HIGHWA	Y 11			
			CON	TRACT NO). xxxxx



when applicable (See plans).

Total pavement
overlay thickness

Proposed HMA surface removal

(cold milling). See plans for depth.

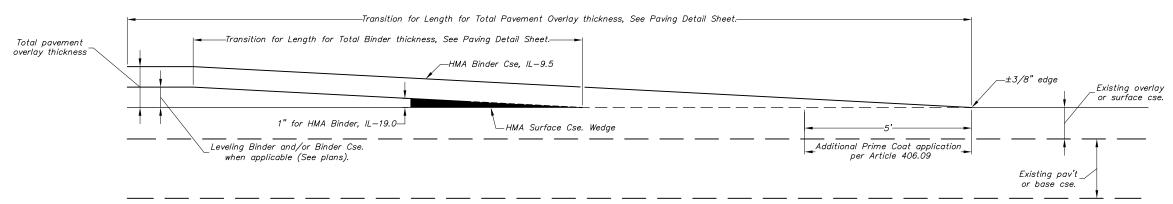
CASE 2A: BUTT JOINT & SURFACE REMOVAL w/ BINDER & RESURFACING

Removal limits-

Existing overlay or surface cse.

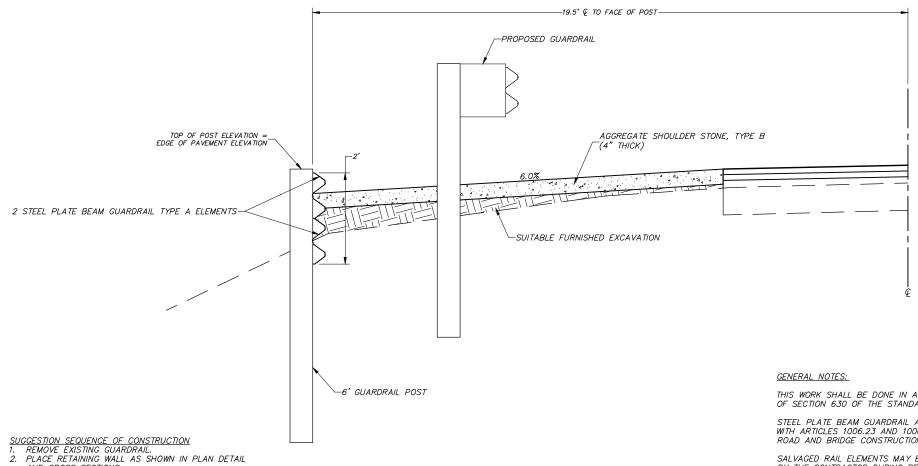
Existing pav't

or base cse.



FEATHEREDGE APPROACH - HMA RAMP

USER NAME =	DESIGNED —	REVISED - 12/12/2017	ADAMS COUNTY		BUTT JOIL	VTS	COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
	DRAWN - JRF	REVISED —					ADAMS	FAS 1589	24-00017-07-	BR 39	10
PLOT SCALE = 1:20	CHECKED —	REVISED —	HIGHWAY DEPARTMENT		FEATHER EDGE TRANSITIONS		COL	UNTY HIGHWA	Y 11		
PLOT DATE =		DATE - 1/14/2016 REVISED - S	SCALE: NONE	SHEET 2 OF 2 SHEETS	STA TO STA				CONTRACT N	VO. xxxxx	



- AND CROSS SECTIONS.

 3. PLACE AGGREGATE SHOULDER STONE, TYPE B AS SHOWN IN PLAN DETAIL AND CROSS SECTIONS.

 4. INSTALL NEW GUARDRAIL AND TERMINAL SECTIONS.

THIS WORK SHALL BE DONE IN ACCORDANCE TO THE APPLICABLE PORTIONS OF SECTION 630 OF THE STANDARD SPECIFICATIONS.

STEEL PLATE BEAM GUARDRAIL AND STEEL POSTS SHALL BE IN ACCORDANCE WITH ARTICLES 1006.23 AND 1006.25 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION MANUAL.

SALVAGED RAIL ELEMENTS MAY BE USED INCLUDING POSTS THAT WERE NOT DAMAGED BY THE CONTRACTOR DURING REMOVAL IN LIEU OF NEW RAIL ELEMENTS AND POSTS AS APPROVED BY THE ENGINEER.

AN ESTIMATED QUANTITY OF 375 FOOT OF GUARDRAIL WILL BE REMOVED DURING CONSTRUCTION OF THIS PROJECT AND COULD BE USED FOR THE RETAINING WALL, SPECIAL IF APPROVED BY THE ENGINEER. THE ENGINEER WILL BE THE SOLE JUDGE ON WHICH PIECES OF RAIL ARE DEEMED SALVAGEABLE AND SUITABLE FOR REUSE.

THE TOP OF THE POST SHALL BE INSTALLED AT THE ELEVATION SHOWN ON CROSS SECTIONS. THE POST SPACING SHALL BE 6'-3''.

ALL SECTIONS OF GUARDRAIL SHALL BE BOLTED TOGETHER.

THE TOP RAIL ELEMENTS SHALL BE BOLTED TO POST. THE LOWER RAIL ELEMENT MAY BE PLUG WELDED TO THE POST OR THE POST DRILLED AND RAIL BOLTED.

USER NAME =	DESIGNED -	REVISED —
	DRAWN —	REVISED —
PLOT SCALE = 1:20	CHECKED —	REVISED —
PLOT DATE =	DATE -	REVISED -

ADAMS COUNTY
HIGHWAY DEPARTMENT

	_	_	COUNTY	ROUTE	SECTION	I	TOTAL SHEETS	SHEET NO.
RETAINING WALL (SPECIAL) DETAIL			ADAMS	FAU 1589	24-00017-0	7-BR	39	11
	(0)			UNTY HIGHWA	Y 11			
SCALE 1" = 20'	SHEET 1 OF 1 SHEETS	STA TO STA				CON	TRACT NO	. 93849

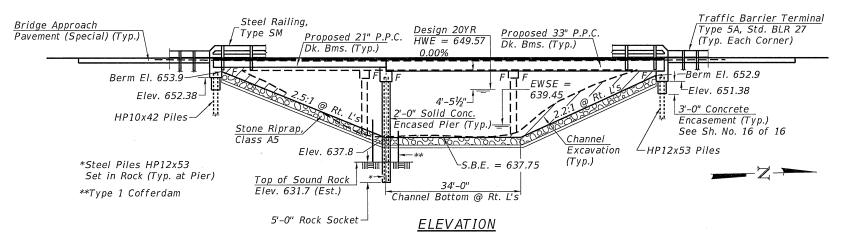
B.M.: Chiseled "□" on Bottom Outside Edge of Wingwall Sta. 208±70.6, 19.5' Lt. Elev. 655.58

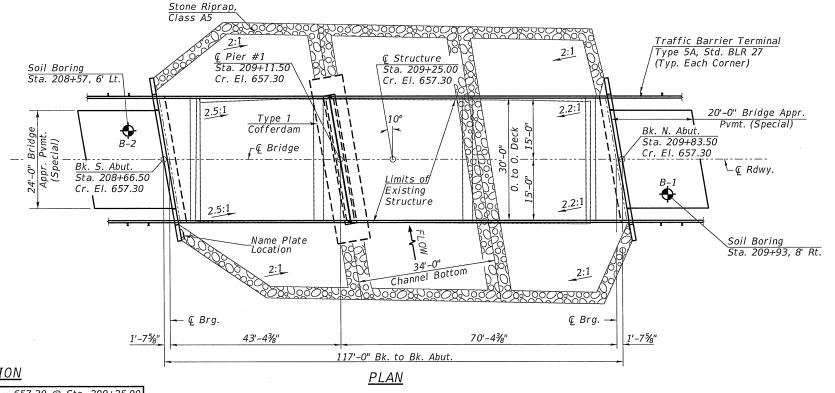
Existing Structure:

Three span precast concrete channel beam superstructure on concrete spill-thru abutments and individually encased pile bent piers. The structure is 103'-5" back to back of abutments, 30'-0" out to out of deck, and is not skewed. The structure was constructed in 1975. Str. No. 001-3303

Salvage: None

Road to be closed to traffic during construction.





INDEX OF SHEETS

- 1. General Plan & Elevation
- 2. General Notes, Details, & Bill of Material
- Stone Riprap Placement Detail
- 4. Superstructure Span 1
- 5. Superstructure Details Span 1
- 6. Superstructure Span 2
- 7. Superstructure Details Span 2
- 8. Bridge Approach Pavement (Special)
- 9. Steel Railing, Type SM
- 10. Rail Post Spacing & Superstructure Details
- 11.-12. South Abutment 13.-14. North Abutment
- 15. Pier #1
- 16. HP Pile Details

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

(FIELD UNITS)

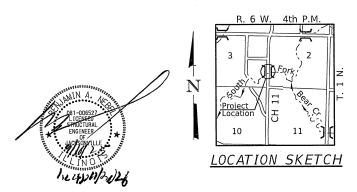
f'c = 3,500 p.s.i. (Substructure) fy = 60,000 p.s.i. (Rein.)

(PRECAST PRESTRESSED UNITS) f'c = 6,000 p.s.i.f'ci = 5,000 p.s.i.

 $f's = 270,000 \text{ p.s.i.} (\frac{1}{2}" \text{ Strands})$ $f'si = 201,960 \text{ p.s.i.} (\bar{V}_2'' \text{ Strands})$

LOADING HL-93

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



I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specification for Highway Bridges.

This design complies with all requirements of the current AASHTO Guide Specifications for Seismic Design of highway bridges.

Illinois Structural No. 6527 Expires 11/30/2026

WATERWAY INFORMATION

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevations (ft.) Item 11.

S. Abut. Pier#1 N. Abut.

Q100 652.4 632.4 651.4

Q200 652.4 632.0 651.4

Design 652.4 632.4 651.4

Check 652.4 632.0 651.4

Drainage Area	a = 17.9	9 Sq. M	i.	Low Gr	ade Ele	v. = 657	7.30 @	Sta. 209	+25.00
Flood	Freq.	Q	Opening	Sq. Ft.	Nat.	Head	- Ft.	Headwa	ater El.
F1000	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
Design	20	2,503	605	712	649.57	0.16	0.15	649.73	649.72
Base	100	3,750	729	860	651.18	0.32	0.25	651.50	651.43

Construction of this project complies with IDNR, Office of Water Resources Statewide Permit No. 2

(HEI)	Hutchison
	Engineering, Inc.

٦	USER NAME =	DESIGNED - YP	REVISED
I		DRAWN - YP	REVISED —
I	PLOT SCALE =	CHECKED - JJ/MMO/BAN	REVISED —
	PLOT DATE =	DATE - 7/29/2025	REVISED

GENE	RAL PLAN AI	ND ELEVATION
SCALE: NONE	SHEET 1 OF 16 SHEETS	STA. 208+66.50 TO STA. 209+83.50

COUNTY	ROUTE	SECTION	'	TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1589	24-00017-07-BR		39	12
COL	INTY HIGHWA	Y 11			
			COM	TRACT NO	03840

SOUTH FORK BEAR CREEK BUILT 202_ BY
ADAMS COUNTY
SEC. 24-00017-07-BR F.A.S. RTE. 1589 STA. 209+25.00 STR. NO. 001-3344 LOADING HL-93

NAME PLATE

Locate Name Plate at S.E. Wingwall Corner of Bridge (See Std. 515001)

Hutchison

USER NAME =	DESIGNED - YP	REVISED -
	DRAWN - YP	REVISED —
PLOT SCALE =	CHECKED - JJ/MMO/BAN	REVISED —
PLOT DATE =	DATE - 7/29/2025	REVISED -

ADAMS COUNTY HIGHWAY DEPARTMENT

GENERAL NOTES, DETAILS, AND BILL OF MATERIAL SCALE: NONE SHEET 2 OF 16 SHEETS STA. 208+66.50 TO STA. 209+83.50

COUNTY ROUTE SECTION TOTAL SHEETS SHEET NO. ADAMS FAS 1589 24-00017-07-BR 39 13 COUNTY HIGHWAY 11 CONTRACT NO. 93849

GENERAL NOTES

For Soil Boring Logs, See Special Provisions.

A Corrosion Inhibitor shall be used in the concrete for Precast Prestressed Concrete Deck Beams according to Articles 1020.05(b)(10) and 1021.07 of the Standard Specifications.

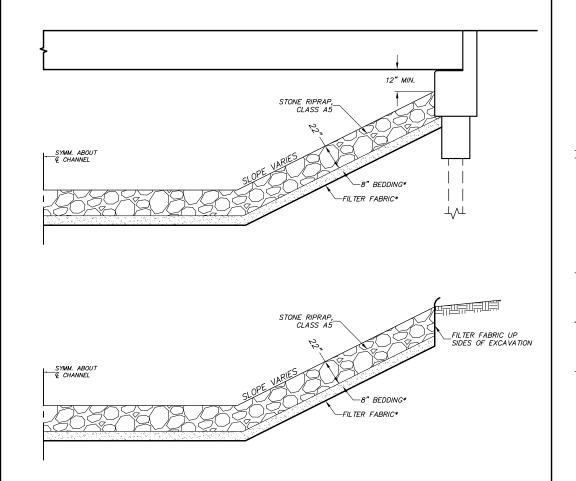
Reinforcement Bars designated (E) shall be epoxy coated.
The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products. All grout on this project shall be non-shrink.

Stone riprap shall be placed to the dimensions shown over a geotechnical fabric in accordance with the riprap placement detail and applicable special provisions.

The Engineer reserves the right to alter the riprap placement detail and/or adjust quantitities to fit field conditions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD		475	475
Stone Riprap, Class A5	TON		840	840
Hot-Mix Asphalt Surface Course, IL-9.5, Mix "C", N50	TON	46		46
Removal of Existing Structures	EACH			1
Cofferdam Excavation	CU YD		45	45
Cofferdam (Type 1) (Location-1)	EACH		1	1
Concrete Structures	CU YD		73.9	73.9
Concrete Encasement	CU YD		6.4	6.4
Precast Prestressed Concrete Deck Beams (21" Depth)	SQ FT	1,318		1,318
Precast Prestressed Concrete Deck Beams (33" Depth)	SQ FT	2,128		2,128
Reinforcement Bars, Epoxy Coated	POUND		6,830	6,830
Furnishing Steel Piles HP10x42	FOOT		88	88
Furnishing Steel Piles HP12x53	FOOT		270	270
Driving Piles	FOOT		176	176
Test Pile Steel HP10x42	EACH		1	1
Test Pile Steel HP12x53	EACH		1	1
Name Plates	EACH		1	1
Steel Railing, Type SM	FOOT	234		234
Waterproofing Membrane System (Special)	SQ YD	383		383
Drilling and Setting Piles (In Rock)	CU FT		110	110
Bridge Approach Pavement (Special)	SQ YD	107		107
Asbestos Bearing Pad Removal	EACH	36		36



RIPRAP PLACEMENT DETAILS

RIPRAP PLACEMENT QUANTITIES

ITEM	UNIT	TOTAL
CHANNEL EXCAVATION	CU. YD.	475
STONE RIPRAP, CLASS A5	TON	840
FILTER FABRIC*	SQ. YD.	900
BEDDING STONE*	TON	190
EXCAVATION FOR RIPRAP*	CU YD	660

* ESTIMATED QUANTITIES FOR EXCAVATION, FILTER FABRIC AND BEDDING MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE FOR STONE RIPRAP, CLASS A5.

GENERAL NOTES

STONE RIPRAP SHALL BE PLACED TO THE DIMENSIONS SHOWN OVER A GEOTECHNICAL FABRIC IN ACCORDANCE WITH THE RIPRRAP PLACEMENT DETAIL AND APPLICABLE SPECIAL PROVISIONS.

THE ENGINEER RESERVES THE RIGHT TO ALTER THE RIPRAP PLACEMENT DETAIL AND/OR ADJUST QUANTITIES TO FIT FIELD CONDITIONS.

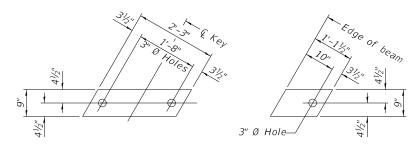
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	DRAWN —	REVISED -
PLOT SCALE = 1:20	CHECKED —	REVISED -
PLOT DATE =	DATE -	REVISED —

ADAMS COUNTY HIGHWAY DEPARTMENT

			COUNTY	ROUTE	SECTION		TOTAL SHEETS	SHEET NO.
STONE RIPRAP PLACEMENT DETAIL			ADAMS	FAS 1589	24-00017-0	7–BR	39	14
			COL	INTY HIGHWA	Y 11			
ALE 1" - 20'	CUEET 1 OF 1 CUEETS	STA 1:00 TO STA 6:00				COM	TDACT NO	07940

CONTRACT NO. 93849

APPROX LIMITS OF CHANNEL EXCAVATION_ AND SLOPE TRANSITION TO RIPRAP	STA 0+00.00 +00 45'L	. TEMPORARY CONSTRUCTION	
2.5:1 2.5:1 2.5:1	555	2:1 7A. 209+25.50 Q = 7A. 0+60 P	EXISTING_ROW_LINE
INDICATED SLOPES ARE PERPENDICULAR TO CHANNEL BASELINE. SEE CROSS SECTION SHEETS FOR ADDITONAL DETAILS.	+25 50'R CHANNEL BASELINE	2:1 2:1 OF BEAR CREEK	EXISTING ROW LINE APPROX LIMITS OF CHANNEL EXCAVATION AND SLOPE TRANSITION TO RIPRAP +00 60'R
			GRAPHIC SCALE IN FEET



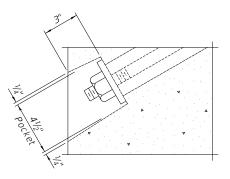
1" FABRIC BEARING PAD (Interior) 18 Required

1" FABRIC BEARING PAD (Exterior) 4 Required

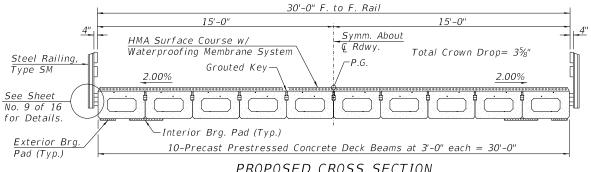
See Sheet No. 10 of 16 for Rail Post Spacing

FIXED

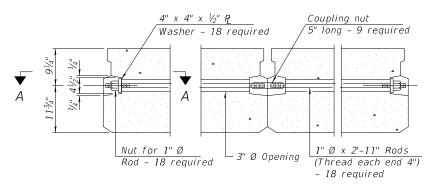
21'-111/2"



SECTION A-A



PROPOSED CROSS SECTION



TYPICAL TRANSVERSE TIE ASSEMBLY

<u>@ Lifting loops</u> @ Transverse ♀ 3" Ø Hole for transverse tie diaphragm tie assemblies 2 each end <u>¾" Ø</u> Drain <u>"</u> 1/4" Ø Vent holes top holes bott. Exterior € 2" Ø Holes for dowel rods at fixed ends only 2'-67/8" 18'-2¹/₂" 1'-21/8" 18'-21/5" 2'-10" 43'-11"

PLAN VIEW

21'-111/2"

Note: Connect beams in pairs with the transverse tie configuration shown.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (21" Depth)	SQ FT	1,318

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be $\frac{1}{2}$ " and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Two $lambda_{\!\!\!B}$ " fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum $2\frac{1}{2}$ " Ø lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

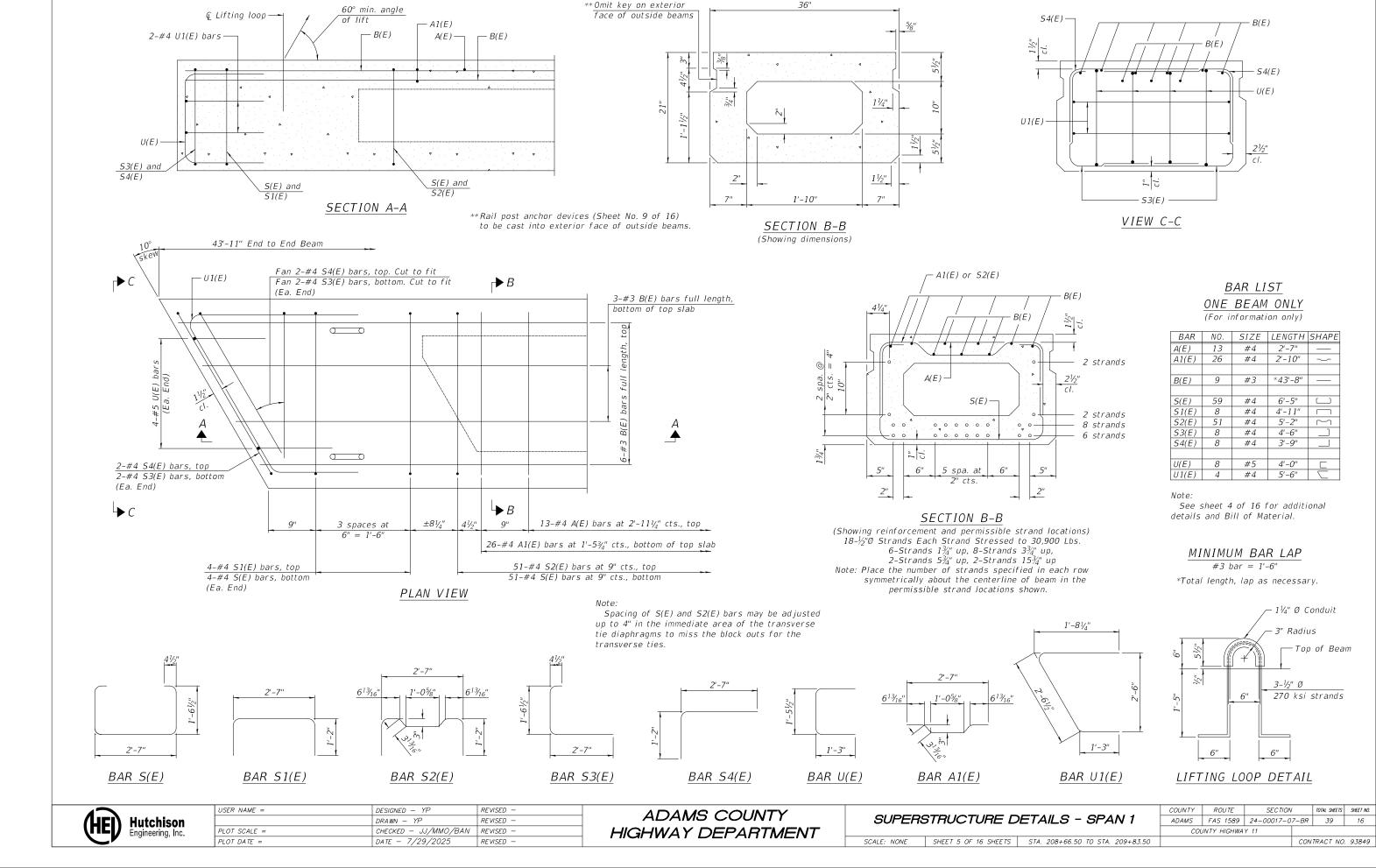
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

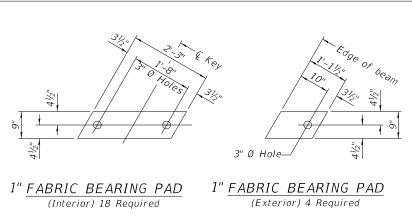


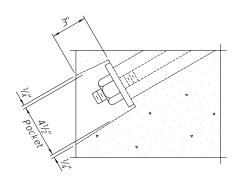
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	DRAWN - YP	REVISED —
PLOT SCALE =	CHECKED — JJ/MMO/BAN	REVISED —
PLOT DATE =	DATE - 7/29/2025	REVISED —

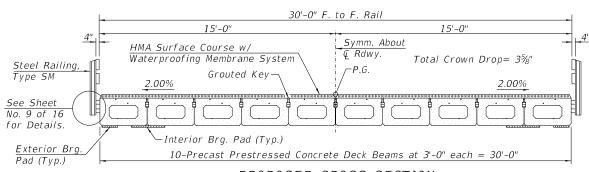


			COUNTY	ROUTE	SECTION		TOTAL SHEETS	SHEET NO.
SU	SUPERSTRUCTURE - SPAN 1			FAS 1589	24-00017-0	7–BR	39	15
			COL	INTY HIGHWA	Y 11			
SCALE: NONE	SHEET 4 OF 16 SHEETS	STA. 208+66.50 TO STA. 209+83.50				CON	TRACT NO.	93849









4" x 4" x ½" P2

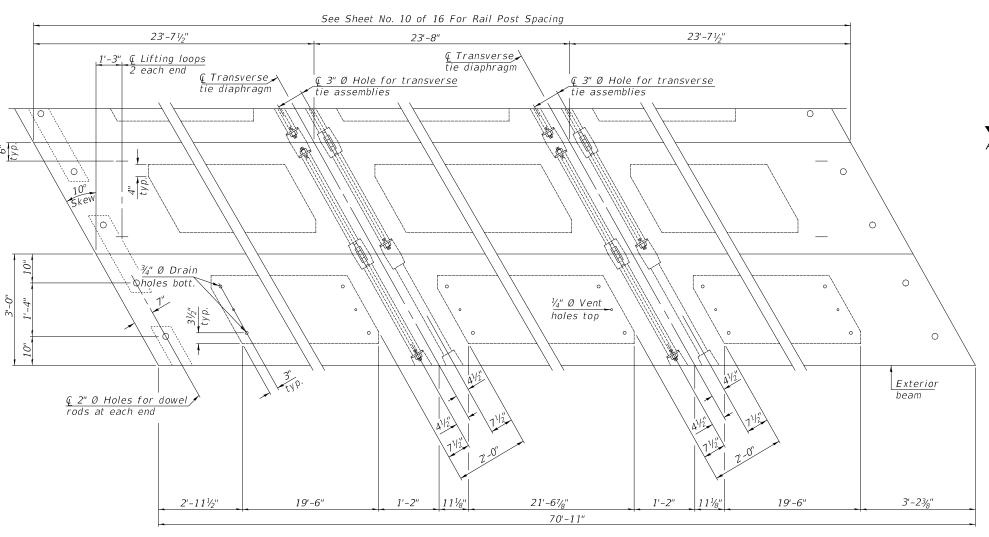
Nut for 1" Ø

Rod - 36 required

Washer - 36 required

FIXED

SECTION A-A



PROPOSED CROSS SECTION

Coupling nut

5" long - 18 required

1" Ø x 2'-11" Rods

(Thread each end 4")

- 36 required TYPICAL TRANSVERSE TIE ASSEMBLY

− 3" Ø Opening

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (33" Depth)	SQ FT	2,128

PLAN VIEW

Note: Connect beams in pairs with the transverse tie configuration shown.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be $lat{1}{2}$ " and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly

Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum $2\frac{1}{2}$ " Ø lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

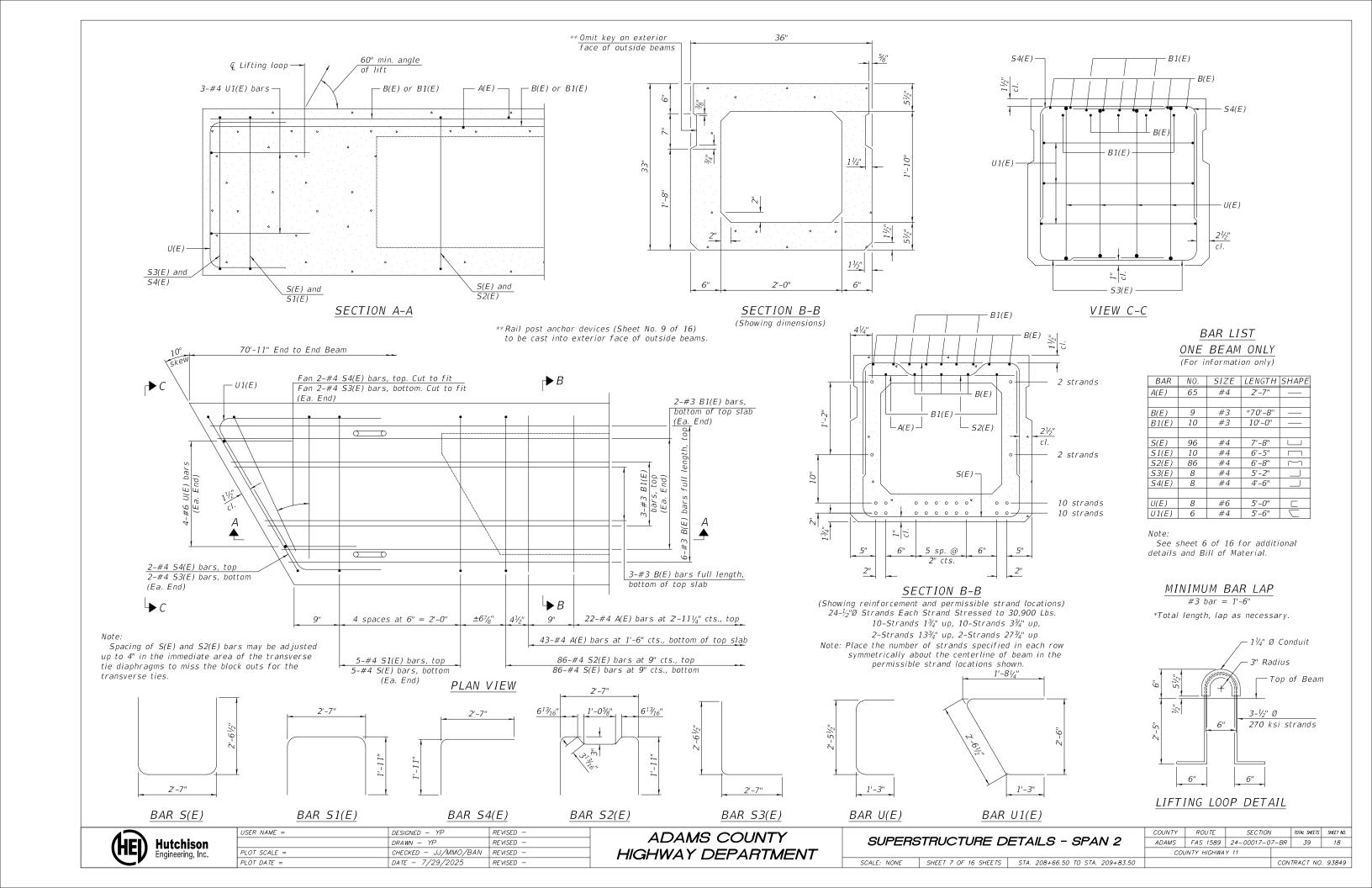
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.



USER NAME =	DESIGNED - YP	REVISED -
	DRAWN - YP	REVISED -
PLOT SCALE =	CHECKED - JJ/MMO/BAN	REVISED -
PLOT DATE =	DATE - 7/29/2025	REVISED -

			COUNTY	ROUTE	SECTION		TOTAL SHEETS	SHEET NO.
SUPERSTRUCTURE - SPAN 2				FAS 1589	24-00017-0	7-BR	39	17
			COL	INTY HIGHWA	Y 11			
SCALE: NONE	SHEET 6 OF 16 SHEETS	STA. 208+66.50 TO STA. 209+83.50				CON	TRACT NO.	93849





LOCATION	THEORETICAL GRADE
	ELEVATIONS
1	657.06
2	657.30
3	657.06
4	657.07
(5)	657.31
6	657.08
7	657.09
8	657.34
9	657.11

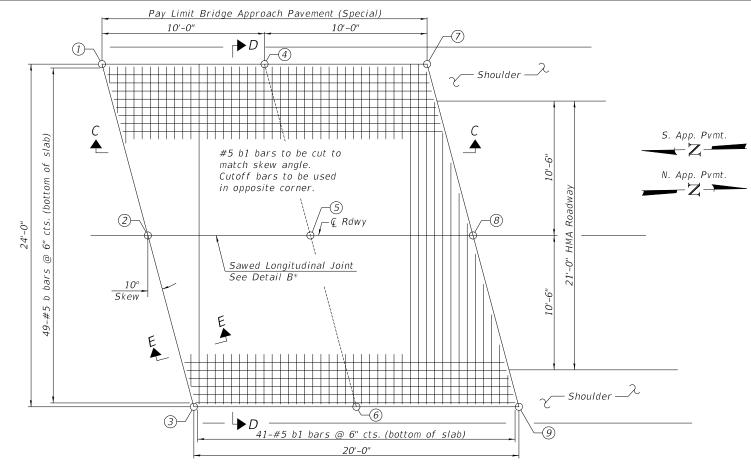
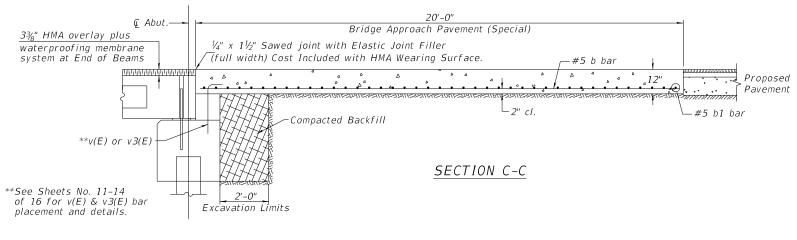
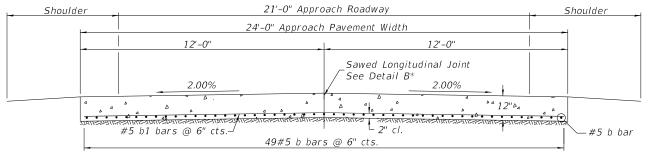


TABLE OF ELEVATIONS SOUTH APPROACH PAVEMENT

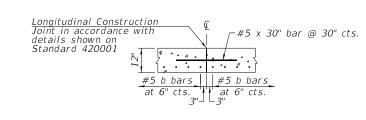
LOCATION	THEORETICAL GRADE
	ELEVATIONS
1	657.06
2	657.30
3	657.06
4	657.08
(5)	657.32
6	657.09
7	657.12
8	657.38
(9)	657.15





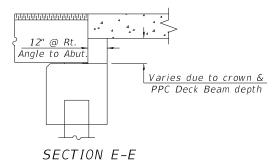


SECTION D-D

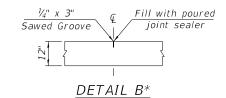


CONSTRUCTION JOINT

As approved by the Engineer, the Contractor may elect to reduce the widths of the placement by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.



 $\frac{SECTION E-E}{(Dimensions are at right angles to abutment)}$



BAR LIST TWO APPROACHES

(For information only)

BAR	R NO. SIZE LENGTH		LENGTH	SHAPE
b	98	#5	19'-8"	
b1	b1 82		23'-8"	
Reinforcement Bars			POUNDS	4,030
Class B	D Concre	CU YD	35.6	

DESIGN STRESSES

f'c = 4,000 p.s.i.fy = 60,000 p.s.i.

BILL OF MATERIAL

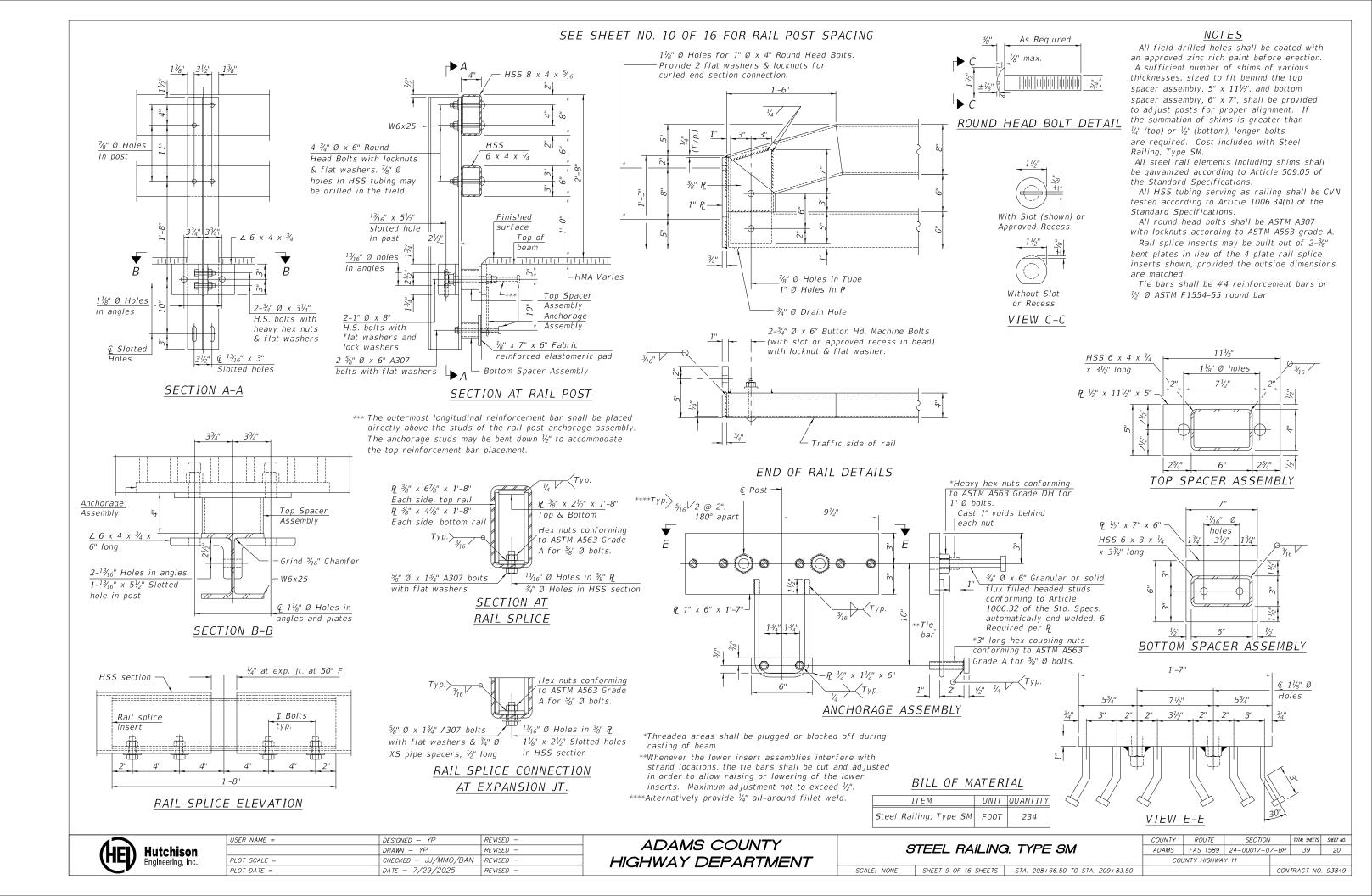
ITEM	UNIT	QUANTITY
Bridge Approach Pavement (Special)	SQ YD	107

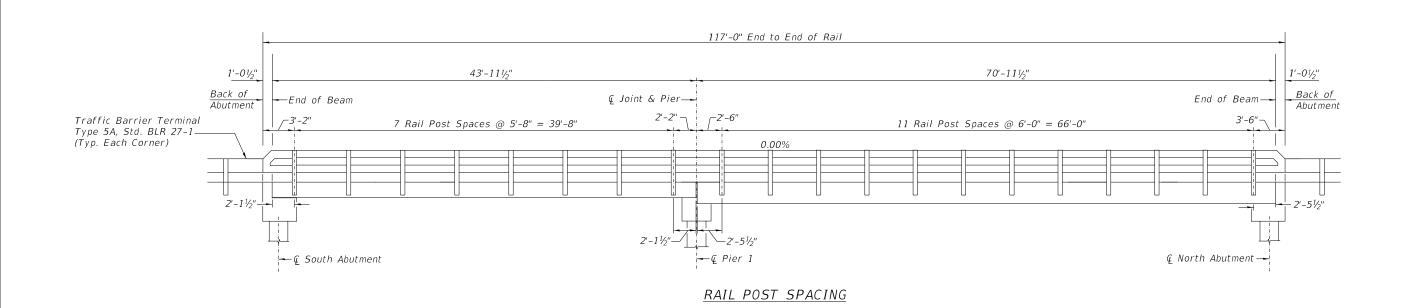


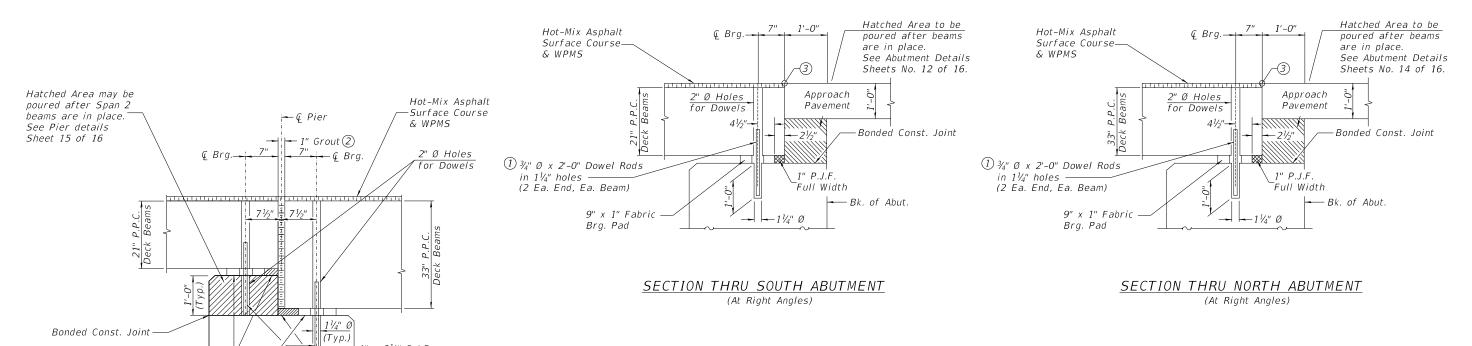
USER NAME =	DESIGNED - YP	REVISED -	Г
	DRAWN - YP	REVISED -	
PLOT SCALE =	CHECKED - JJ/MMO/BAN	REVISED -	
PLOT DATE =	DATE - 7/29/2025	REVISED -	

BRIDGE A	PPROACH PA	VEMENT (SPECIAL)	Γ.		
SCALE: NONE	SHEET 8 OF 16 SHEETS	STA. 208+66.50 TO STA. 209+83.50			

COUNTY	ROUTE	SECTION		TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1589	24-00017-07-BR		39	19
COUNTY HIGHWAY 11					
			001	TO 4 O T 440	0.70.40







SECTION THRU PIER#1 (At Right Angles)

- 1 Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys.
- 2) 1" Joint shall be packed with a very dry mix of 2:1 sand and P.C. mortar. 1" Dimension may vary plus or minus to accommodate tolerance in beam lengths.
- (3) $\frac{1}{4}$ " x $1\frac{1}{2}$ " Sawed joint with Elastic Joint Filler (full width) Cost Included with HMA Wearing Surface.

114'-11" End to End of Beams 43'-111/2" 70'-111/2" 21/2" Min. Thickness 21/4" Min. Thickness 3%" at End of Top of HMA at 🕻 Beam at 🕻 Beam Surface (Typ.) Beams & Backof Abutments Top of Beam 7%" Beam Camber ⋅ 11/8" Beam Camber 3%" at End 3%" at End (Typ.) of Beams & Back of Beams of Abutments

ANTICIPATED HMA SURFACE PROFILE

Includes Waterproofing Membrane System $(\pm \frac{3}{4})$



Bonded Const. Joint -

1" x 2½" P.J.F.

9" x 1" Fabric

Full Width

Brg. Pad

USER NAME =	DESIGNED - YP	REVISED -
	DRAWN - YP	REVISED -
PLOT SCALE =	CHECKED — JJ/MMO/BAN	REVISED —
PLOT DATE =	DATE - 7/29/2025	REVISED -
	.,,	

1" x 3½" P.J.F.

Full Width

in $1\frac{1}{4}$ " Ø holes.

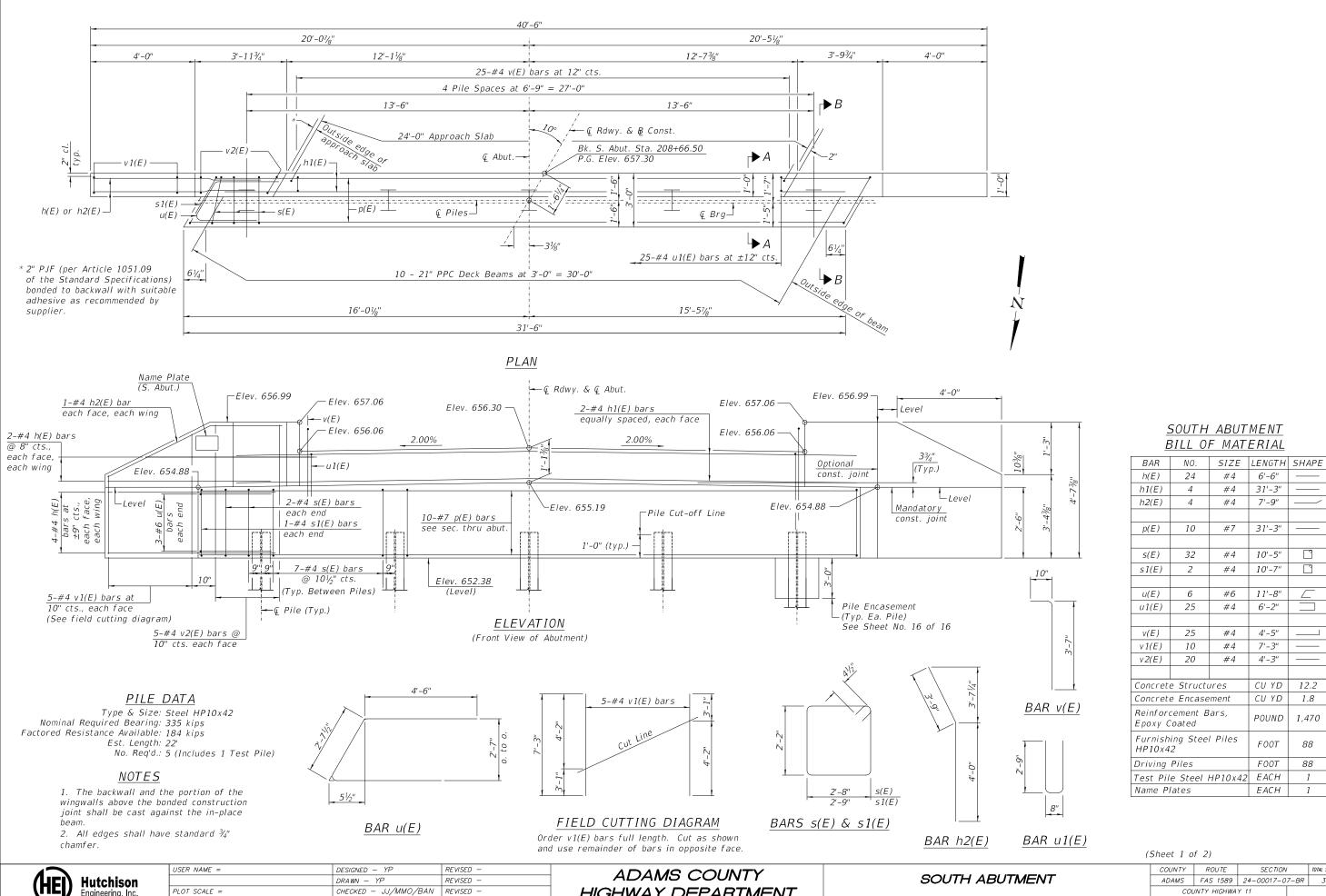
① ¾" Ø x 2'-0" Dowel Rods

(2 Ea. End Ea. Beam)

ADAMS COUNTY HIGHWAY DEPARTMENT

	AIL POST SPA PERSTRUCTU			
SCALE: NONE SHEET 10 OF 16 SHEETS STA. 208+66.50 TO STA. 209+83.5				

COUNTY ROUTE SECTION TOTAL SHEETS SHEET NO. ADAMS FAS 1589 24-00017-07-BR 39 21 COUNTY HIGHWAY 11 CONTRACT NO. 93849



SECTION TOTAL SHEETS SHEET NO. ADAMS FAS 1589 24-00017-07-BR 39 22 PLOT SCALE = CHECKED - JJ/MMO/BAN REVISED HIGHWAY DEPARTMENT COUNTY HIGHWAY 11 DATE - 7/29/2025 SCALE: NONE SHEET 11 OF 16 SHEETS STA. 208+66.50 TO STA. 209+83.50 CONTRACT NO. 93849 PLOT DATE =

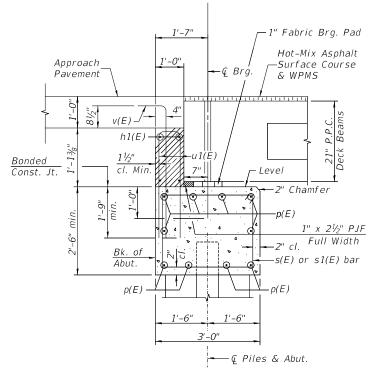
12.2

1.8

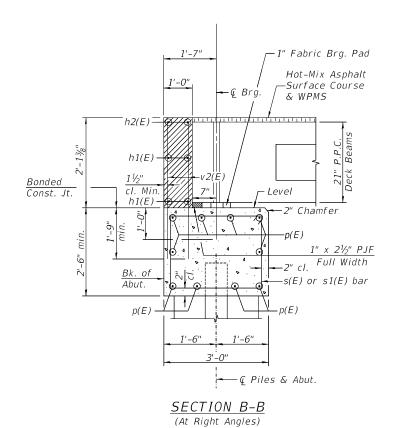
1,470

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88



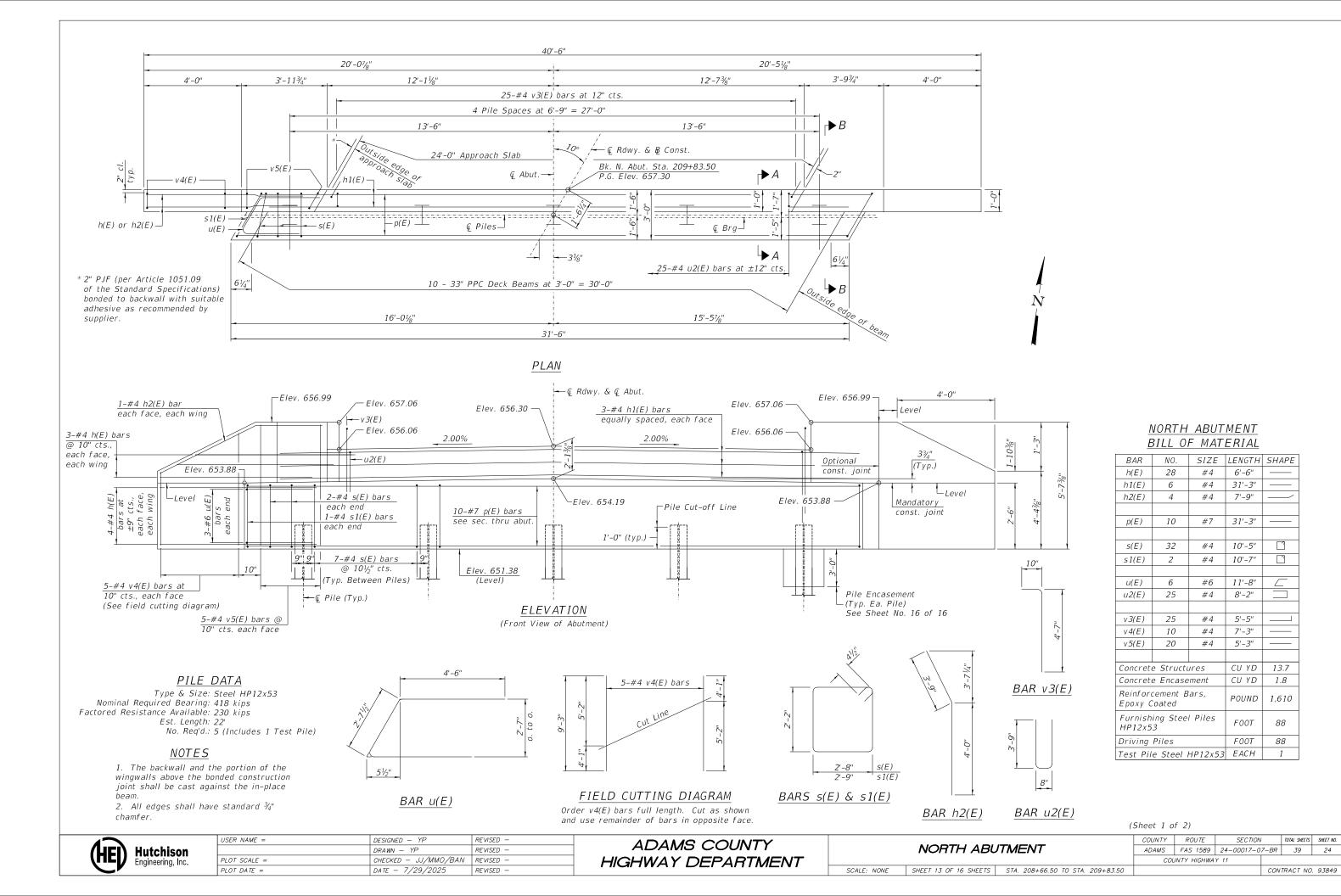
<u>SECTION A-A</u> (At Right Angles)

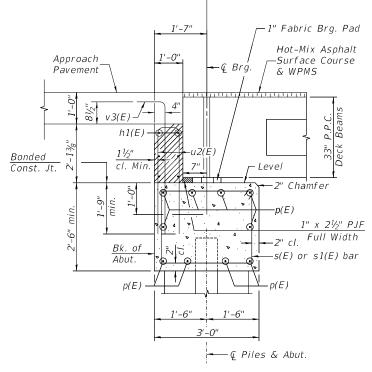


(Sheet 2 of 2)

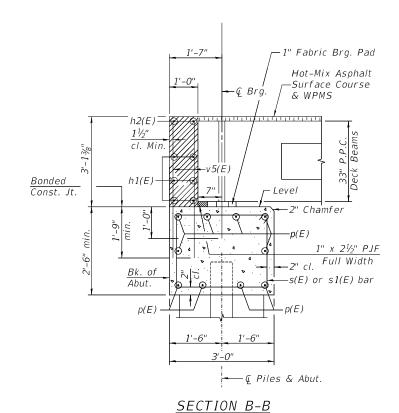


USER NAME =	DESIGNED - YP	REVISED -
	DRAWN - YP	REVISED -
PLOT SCALE =	CHECKED - JJ/MMO/BAN	REVISED -
PLOT DATE =	DATE - 7/29/2025	REVISED —





<u>SECTION A-A</u> (At Right Angles)



(At Right Angles)

Hutchison Engineering, Inc.

Ţ	USER NAME =	DESIGNED - YP	REVISED —
		DRAWN - YP	REVISED —
- [7	PLOT SCALE =	CHECKED — JJ/MMO/BAN	REVISED —
	PLOT DATE =	DATE - 7/29/2025	REVISED —

ADAMS COUNTY HIGHWAY DEPARTMENT

NORTH ABUTMENT				
	ADAMS	FA:		
	COL	INTY		
SCALE: NONE	SHEET 14 OF 16 SHEETS	STA. 208+66.50 TO STA. 209+83.50		

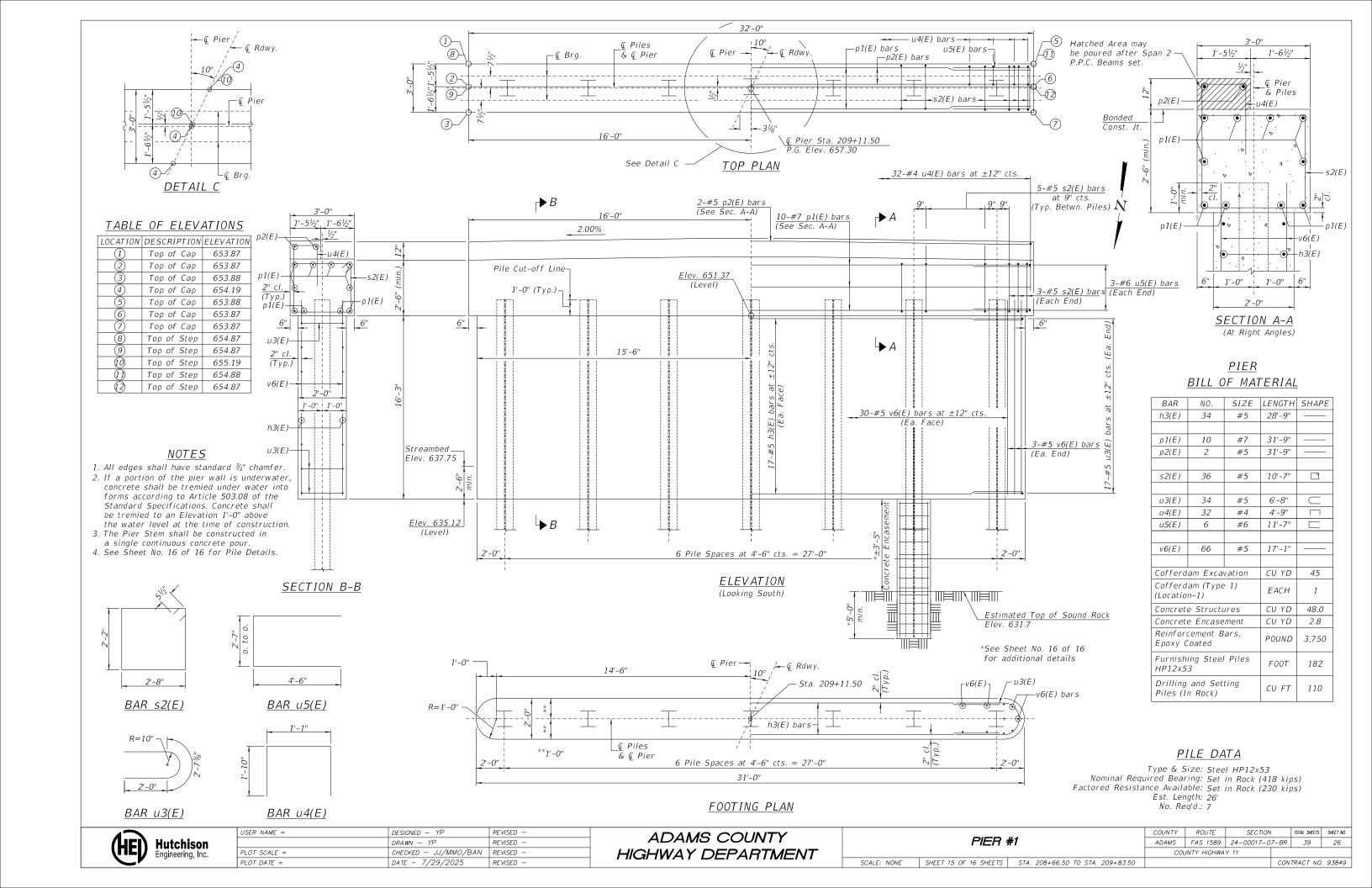
 COUNTY
 ROUTE
 SECTION
 TOTAL SHEETS
 SHEET NO.

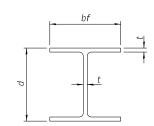
 ADAMS
 FAS 1589
 24-00017-07-BR
 39
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 COUNTY HIGHWAY 11

 CONTRACT NO. 93849

(Sheet 2 of 2)





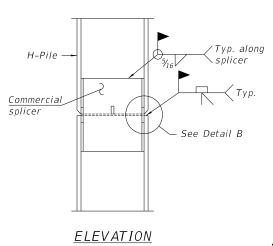
STEEL PILE TABLE

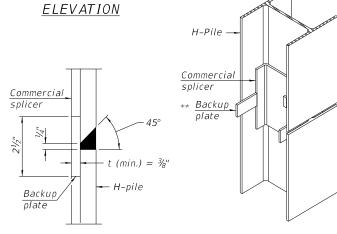
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter
HP 14x117	141/4"	14 ⁷ / ₈ "	13/ ₁₆ "	30"
x102	14"	14¾"	11/16"	30"
x89	137/8"	143/4"	5/8"	30"
x73	135/8"	145/8"	1/2"	30"
HP 12x84	121/4"	121/4"	11/16"	24"
x74	12½"	121/4"	5/8"	24"
x63	12"	121/8"	1/2"	24"
x53	1 1 3/4"	12"	⁷ / ₁₆ "	24"
HP 10x57	10"	101/4"	%16"	24"
x42	9¾"	101/8"	⁷ /16"	24"
HP 8x36	8"	8½"	⁷ / ₁₆ "	18"

Note:

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

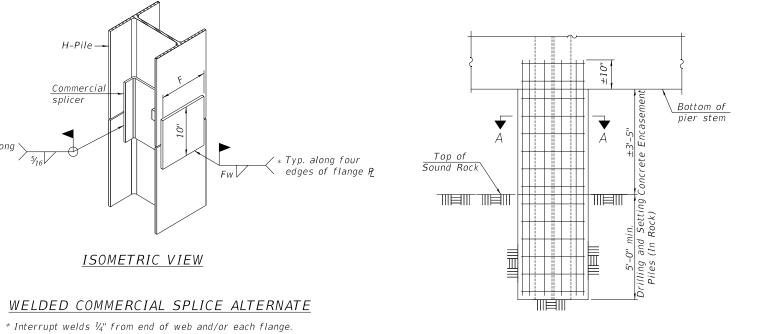
** Remove portions of backup plates that extend outside the flanges.





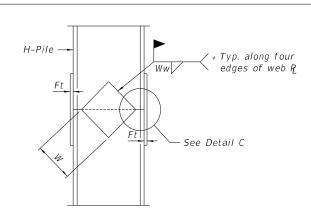
WELDED COMMERCIAL SPLICE

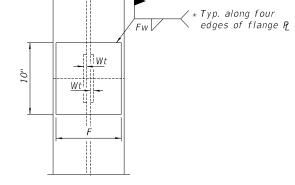
ISOMETRIC VIEW



DETAIL "B"

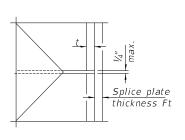
PIER ELEVATION





ELEVATION

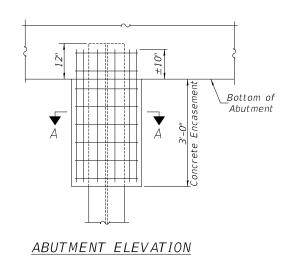
END VIEW



DETAIL	C

Designation	F	Ft	Fw	w	Wt	Ww
HP 14x117	12½"	1"	7/8"	73/4"	5/8"	1/2"
x102	12½"	7/8"	3/4"	73/4"	5/8"	1/2"
x89	12½"	3/4"	11/ ₁₆ "	73/4"	5/8"	1/2"
x73	12½"	5/8"	%16"	73/4"	5/8"	1/2"
HP 12x84	10"	7/8"	11/ ₁₆ "	6½"	5/8"	1/2"
x74	10"	7/8"	11/ ₁₆ "	6½"	5/8"	1/2"
x63	10"	5/8"	1/2"	6½"	1/2"	3/8"
x53	10"	5/8"	1/2"	61/2"	1/2"	3/8"
HP 10x57	8"	3/4"	%16"	5½"	1/2"	3/8"
x42	8"	5/8"	9/16"	51/4"	1/2"	3/8"
HP 8x36	7"	5/8"	⁷ /16"	41/4"	1/2"	3/8"

WELDED PLATE FIELD SPLICE



Welded wire fabric 6 x 6-W4.0 x W4.0 weighing 58#/100 sq. ft. Bend as required to fit into wall. The cost of Excavation and Reinforcement is included with the cost of Concrete Encasement or Drilling and Setting Piles (In Rock) as indicated. Forms for encasement may be omitted when soil conditions will permit. Forms not allowed in rock sockets.

PILE ENCASEMENT

SECTION A-A



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	DRAWN - YP	REVISED —
PLOT SCALE =	CHECKED — JJ/MMO/BAN	REVISED —
PLOT DATE =	DATE - 7/29/2025	REVISED -

ADAMS COUNTY HIGHWAY DEPARTMENT

HP PILE DETAILS		COUNTY	ROUTE
		ADAMS	FAS 15
		COL	JNTY HIGH

SECTION TOTAL SHEETS SHEET NO. 589 24-00017-07-BR 39 27 GHWAY 11 SCALE: NONE SHEET 16 OF 16 SHEETS STA. 208+66.50 TO STA. 209+83.50 CONTRACT NO. 93849

