

COUNTY	ROUTE	SECTION	SHT. NO.
ADAMS	FAS 1589	19-00017-06-FP	1

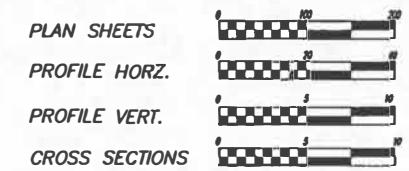
COVER SHEET
TOTAL NO. SHEETS - 13

INDEX OF SHEETS 04-28-2023 LETTING ITEM 096

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- STANDARDS STANDARD
 701011-04 STANDARD
 701301-04 STANDARD
 701306-04 STANDARD
 701311-03 STANDARD
 701901-08 STANDARD
 780001-05

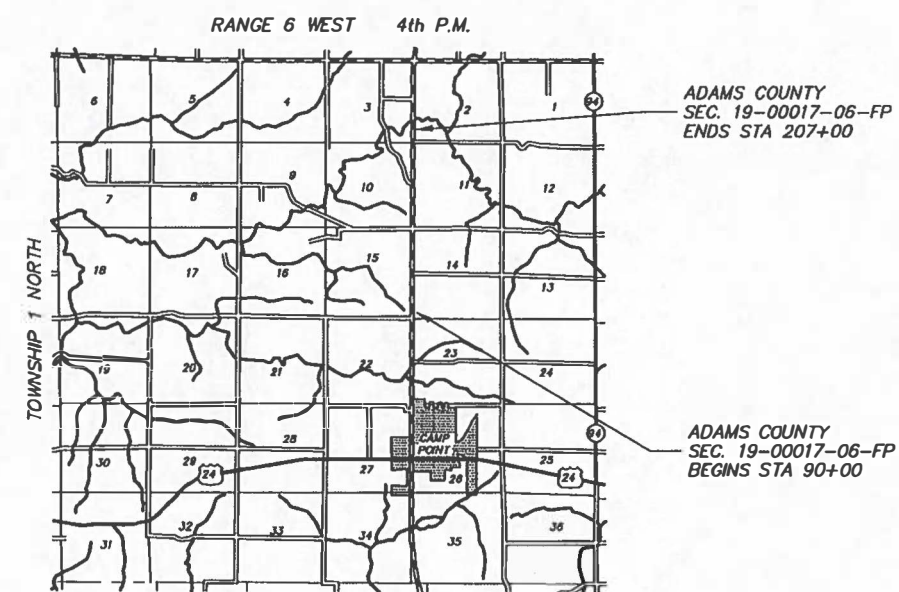
THE PROPOSED IMPROVEMENT CONSISTS OF HMA SURFACE REMOVAL, AND HMA SURFACE COURSE, PLACEMENT OF AGGREGATE SHOULDERS, INCIDENTAL SURFACING AND PAVEMENT MARKINGS.



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.

- UTILITIES:**
- JULIE 1-800-892-0123
 - ABS WATER COOP CLAYTON, IL
 - ADAMS ELECTRIC COOP CAMP POINT, IL
 - ADAMS TELEPHONE COOP GOLDEN, IL
 - FRONTIER COMMUNICATIONS JACKSONVILLE, IL

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
 SURFACE TRANSPORTATION / RURAL PROGRAM FUNDS
 ADAMS COUNTY SEC. 19-00017-06-FP
 FAS ROUTE 1589 (CO HWY 11)
 PROJECT NO. HE8U (578)
 JOB NO. C-96-054-21



LOCATION MAP



DESIGN DESIGNATION: MAJOR COLLECTOR
ADT: 890 (2022)
DESIGN SPEED - 50 M.P.H.

SUMMARY OF LENGTH:

GROSS LENGTH:
FAS 1589 - STA. 90+00 TO STA. 207+00 = 11,700 FT.
NET LENGTH TO BE IMPROVED = 11,700 FT. = 2.216 MILES

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

SUBMITTED BY DATE 1/9/23
COUNTY ENGINEER
LICENSE NO. 062-044792
LIC. EXPIRES 11/30/2023



APPROVED January 9, 2023

 COUNTY ENGINEER

PASSED January 10, 2023

 DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW January 10, 2023

 REGION FOUR ENGINEER

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

SUMMARY OF QUANTITIES

PAVEMENT SCHEDULE

LOCATION / STA. - STA.	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	AGGREGATE SHOULDERS, TYPE B
	POUND	TON	TON
STA. 90+00 - 207-00	12,285	3,150	1,540
TOTAL	12,285	3,150	1,540

HMA SURFACE REMOVAL

LOCATION / STA. - STA.	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL - 3/4"	TEMPORARY RAMP
	SQ. YD.	SQ. YD.	SQ. YD.
STA. 90+00 - 90+38	88		19
STA. 90+38 - 206+62		27,125	
STA. 206+62 - 207+00	88		19
TOTAL	176	27,125	38

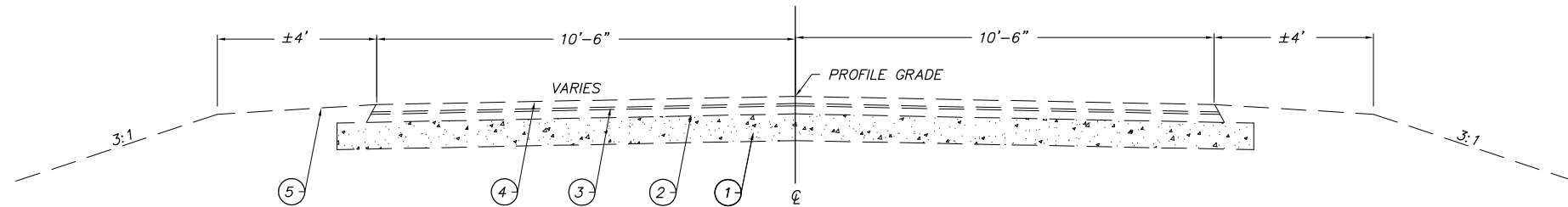
LONGITUDINAL JOINT SEALANT (FOOT)

STA. - OFFSET	LENGTH
STA. 90+00 - 207+00 CENTERLINE	11,700
TOTAL	11,700

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SPECIAL PROVISION
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	12,285	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	11,700	*
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	176	*
40600990	TEMPORARY RAMP	SQ YD	38	
40604150	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	3,150	*
40800029	BITUMINOUS MATERIAL (TACK COAT)	POUND	130	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	35	*
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	27,125	*
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,540	*
67100100	MOBILIZATION	L SUM	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,344	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	782	
# 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	8,011	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	*
* 20076600	TRAINEES	Hour	500	
* 20076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500	

SPECIALTY ITEMS
* 0042

TYPICAL CROSS SECTIONS



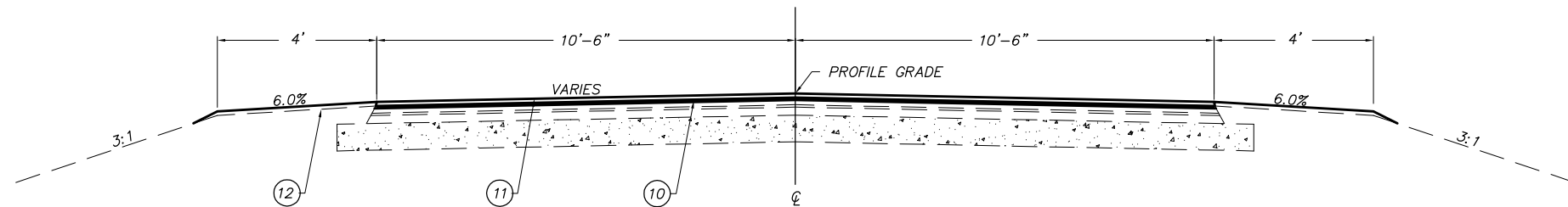
EXISTING TYPICAL SECTION
STATION 90+00 TO STATION 207+00

EXISTING MATERIALS:

1. $\pm 9''$ AGGREGATE BASE COURSE, TYPE B
2. $2 \frac{1}{2}''$ BITUMINOUS CONCRETE SURFACE
3. $\frac{3}{4}''$ LEVELING BINDER (MACHINE METHOD), MIXTURE C, TYPE 2 (VARIOUS LOCATIONS)
4. $2 \frac{1}{4}''$ POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, CLASS I, TYPE 2, SPECIAL
5. AGGREGATE SHOULDER WEDGE

EXISTING CONSTRUCTION SECTIONS:

- SEC. 17-A-15D
SEC. 17G
SEC. 82-00017-02-RS
SEC. 95-00148-FPL2



PROPOSED TYPICAL SECTION
STATION 90+00 TO STATION 207+00

PROPOSED MATERIALS:

10. HOT-MIX ASPHALT SURFACE REMOVAL, $\frac{3}{4}''$
11. 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50
12. AGGREGATE SHOULDERS, TYPE B

USER NAME =	DESIGNED - JRF	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	TYPICAL SECTIONS FAS ROUTE 1589 (CO HWY 11)			COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1:2	DRAWN - AJM	REVISED -		SCALE	SHEET 1 OF 1 SHEETS	STA. 90+00 TO STA. 207+00	ADAMS	FAS 1589	19-00017-06-FP	13	3
PLOT DATE =	CHECKED -	REVISED -					CONTRACT NO. 93802				
	DATE -	REVISED -									

GENERAL NOTES

- 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.
- 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 ELECTRIC COOP ADAMS TELEPHONE COOP ABS WATER FRONTIER COMMUNICATIONS
- THE NOMINAL THICKNESS FOR BINDER COURSE AND THE HOT-MIX ASPHALT MATERIALS IS SHOWN ON THE TYPICAL SECTIONS, 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.
- 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.
- 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.
- ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE SEEDED BY OTHERS.
- 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 SEPERATELY BUT SHALL BE INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

APPLICATION RATES

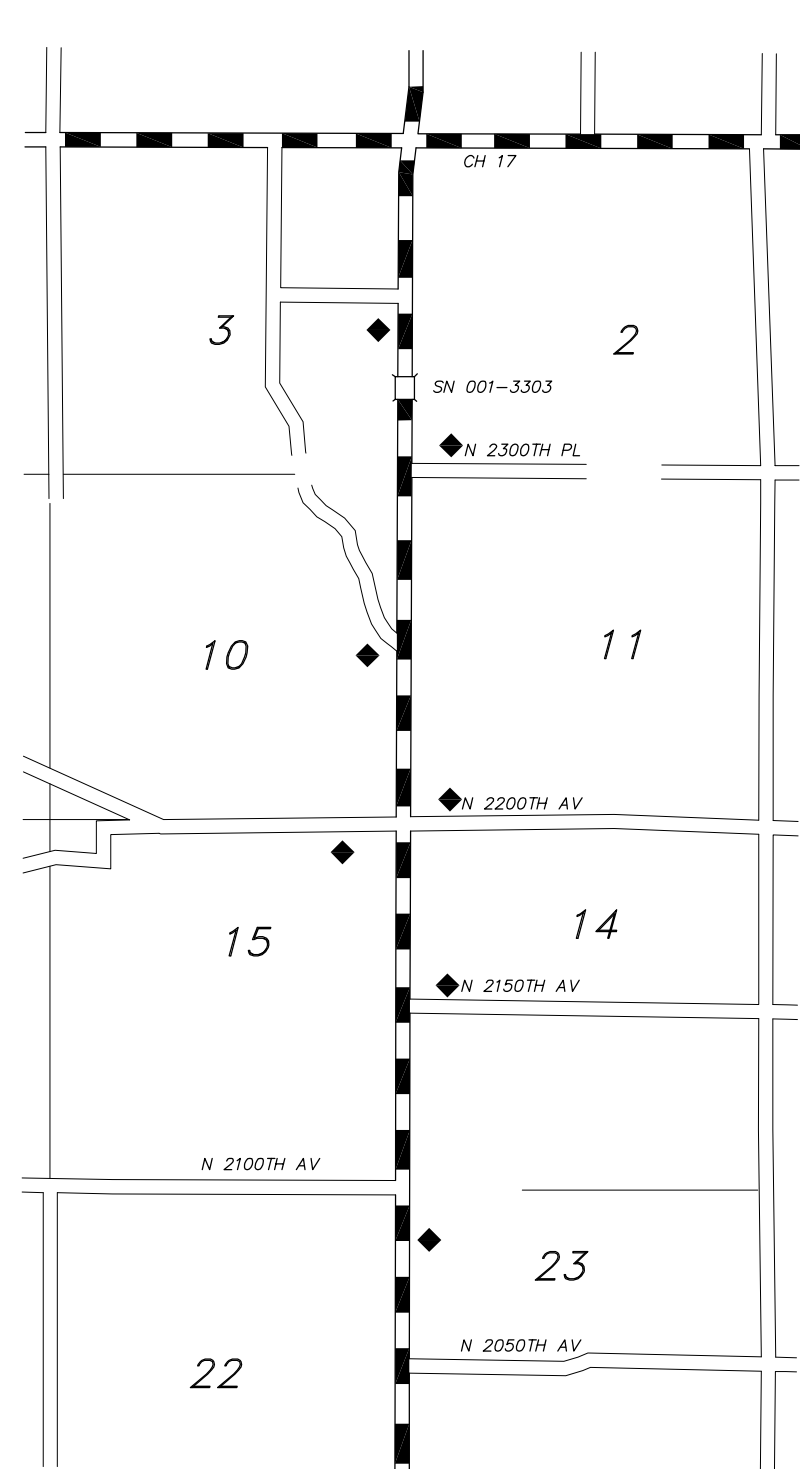
BITUMINOUS MATERIALS (TACK COAT)	
ON EXISTING PAVEMENT	0.05 LB/SQ FT
BETWEEN HMA LIFTS	0.025 LB/SQ FT
AGGREGATE SHOULDERS, TYPE B	1.8 TON/CU YD

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

LOCATION(S):	CO HWY 11	SIDE ROADS/ENTRANCES
MIXTURE USE(S):	HMA SURF CSE	INCIDENTAL HMA SURF
AC/PG:	SBS PG64-28	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	1,000 TONS	N/A

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

TRAFFIC CONTROL AND PROTECTION



◆ ROAD CONSTRUCTION AHEAD

SEE SPECIAL PROVISIONS FOR APPLICATION OF:
"NO PASSING ZONES NOT STRIPPED NEXT ____ MILES"

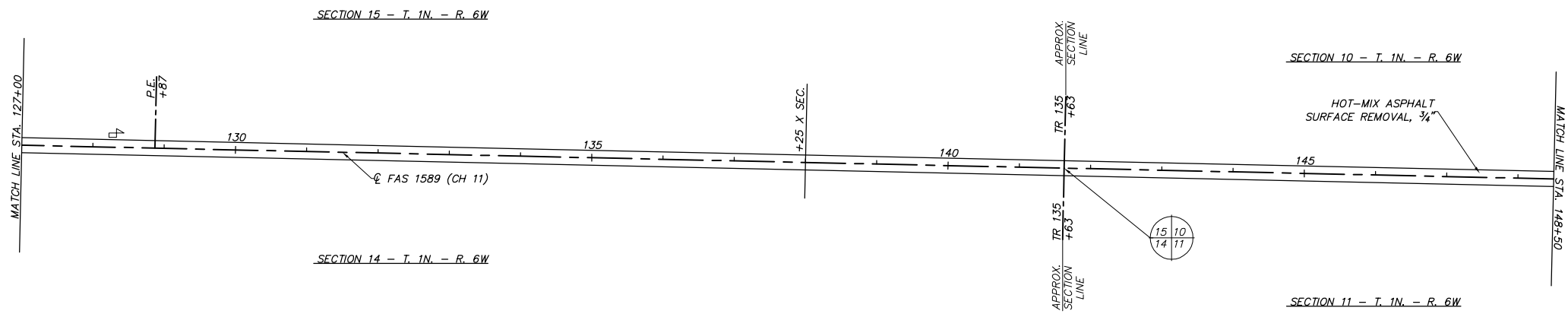
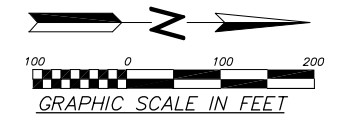
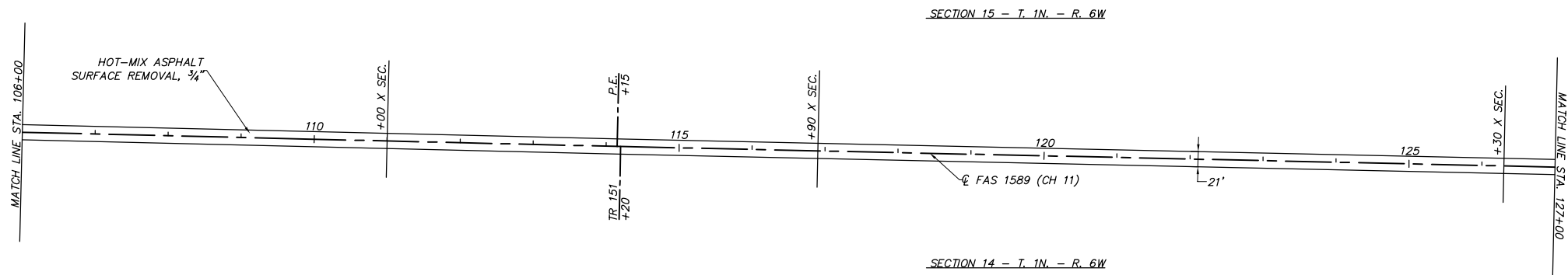
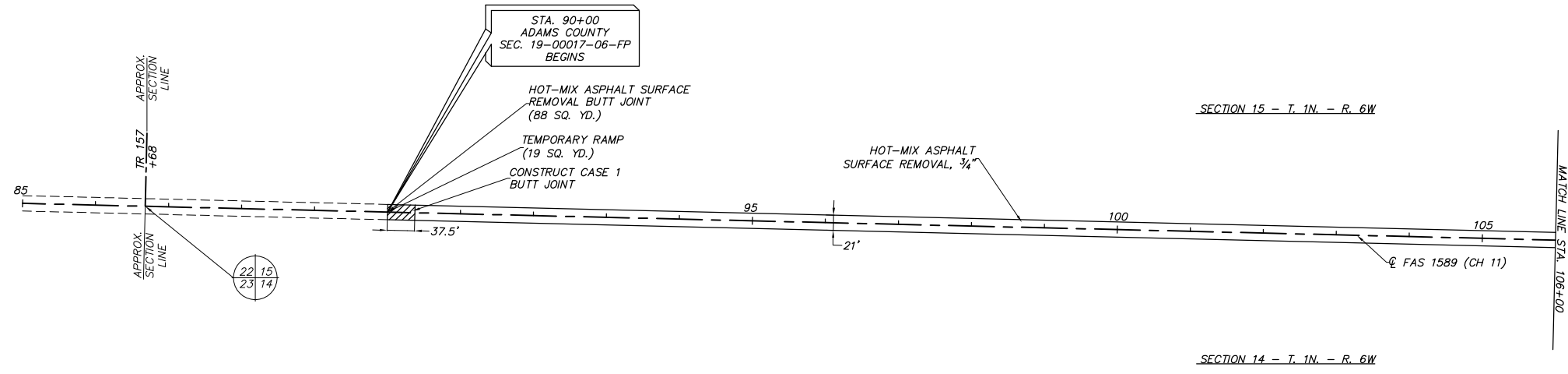
USER NAME =	DESIGNED - JRF	REVISED -
PLOT SCALE = 1:2	DRAWN - AJM	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE -	REVISED -

**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**GENERAL NOTES HMA MIXTURE REQUIREMENTS
APPLICATION RATES TRAFFIC CONTROL AND PROTECTION
FAS ROUTE 1589 (CO HWY 11)**

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

COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1589	19-00017-06-FP	13	4
CONTRACT NO. 93802				



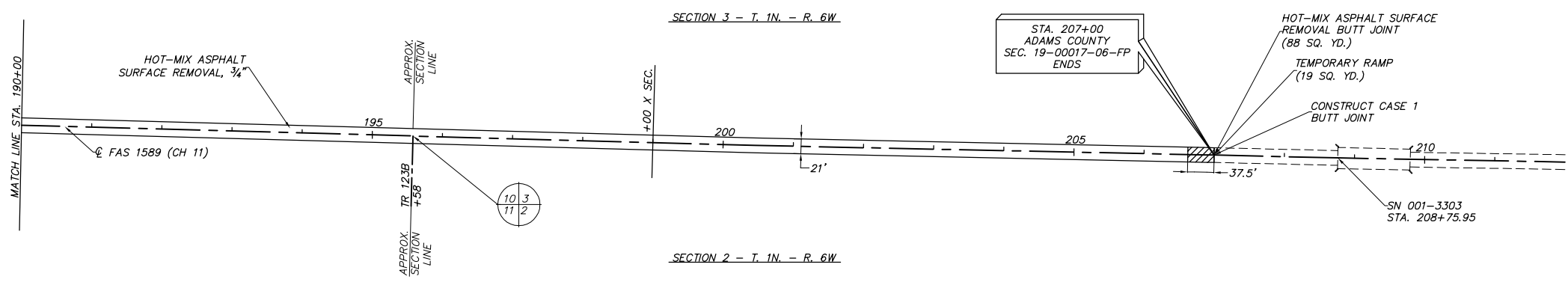
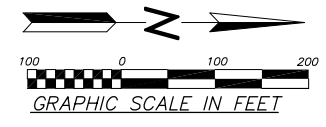
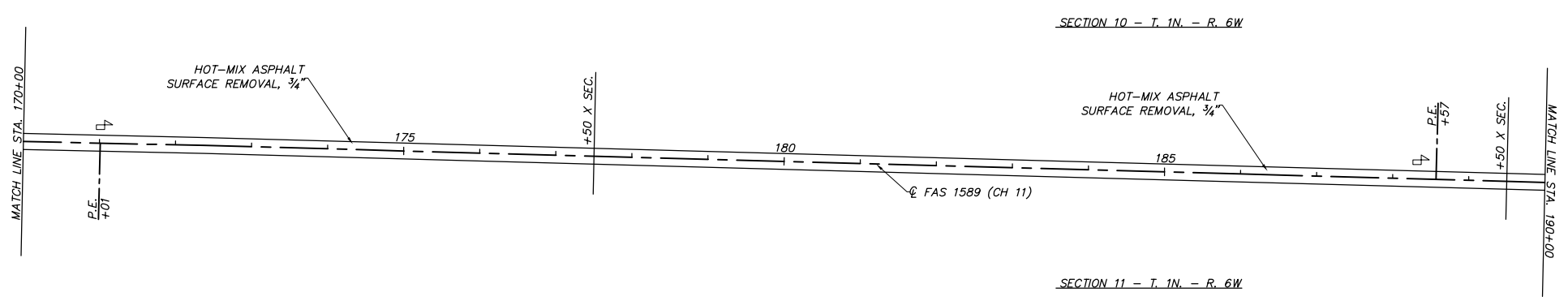
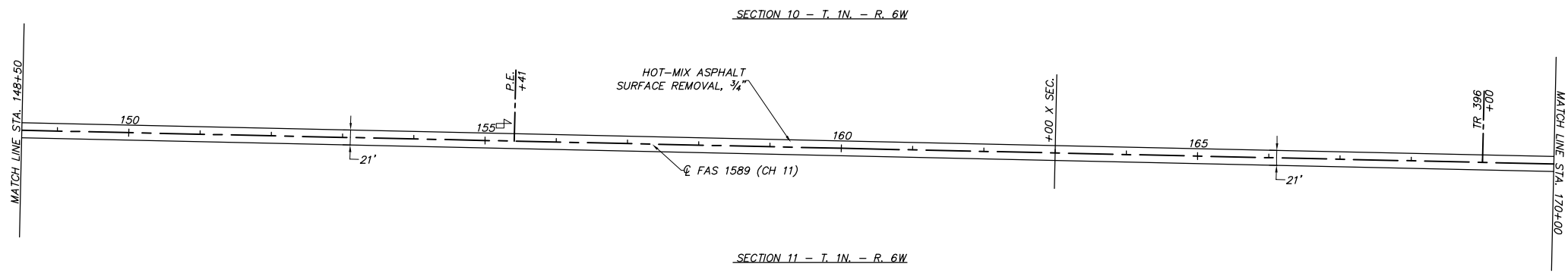
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	DATE -	REVISED -

**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**PLAN
FAS ROUTE 1589 (CO HWY 11)**

SCALE 1"=100' SHEET 1 OF 2 SHEETS STA. 90+00 TO STA. 148+50

COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1589	19-00017-06-FP	13	5
CONTRACT NO. 93802				



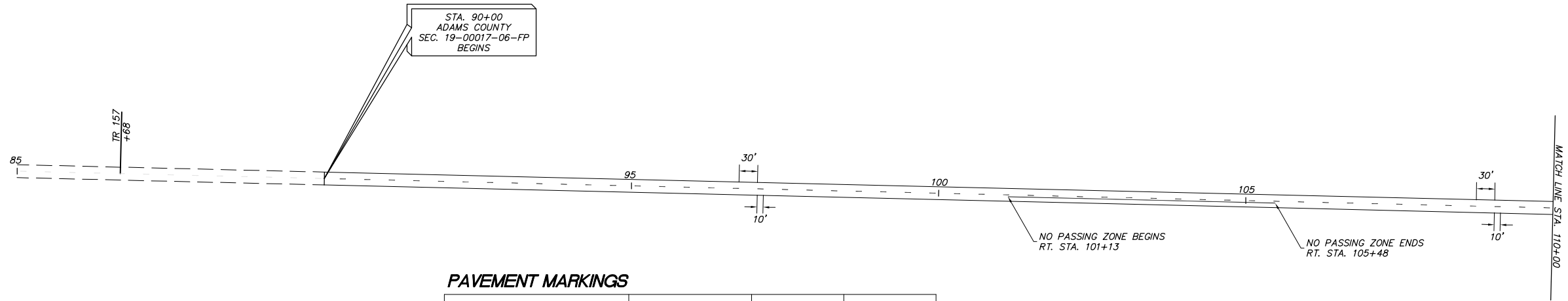
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PLOT SCALE = 1:100	DRAWN - AJM	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE -	REVISED -

**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**PLAN
FAS ROUTE 1589 (CO HWY 11)**

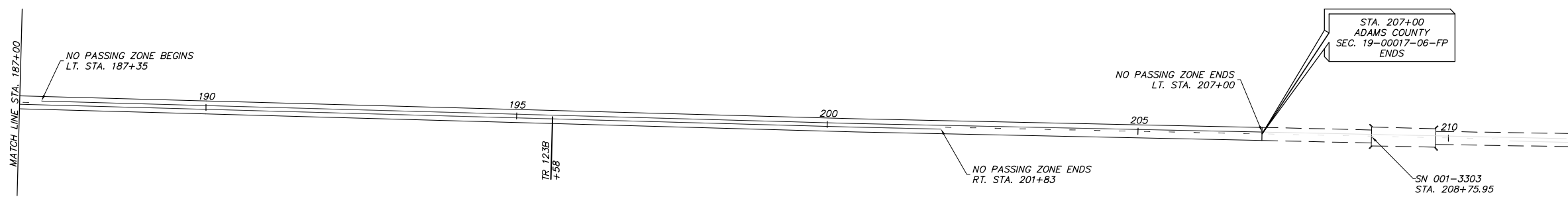
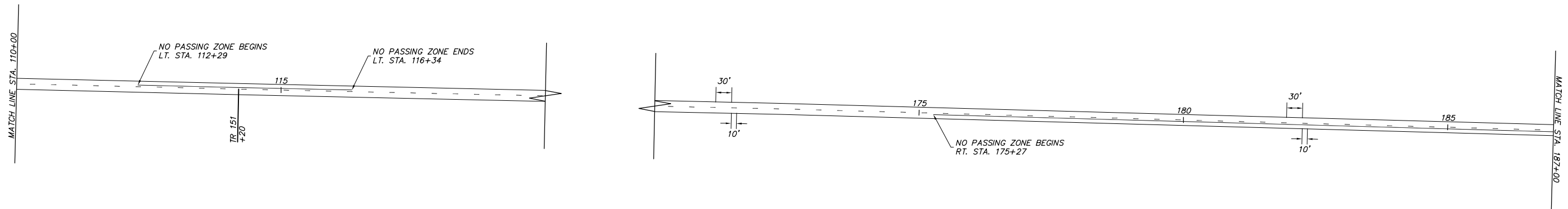
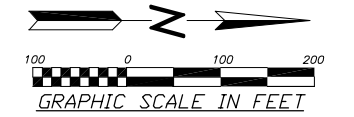
SCALE 1"=100' SHEET 2 OF 2 SHEETS STA. 148+50 TO STA. 207+00

COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1589	19-00017-06-FP	13	6
CONTRACT NO. 93802				



PAVEMENT MARKINGS

LOCATION / STA. - STA.	PAINT PAVEMENT MARKING - LINE 4" (YELLOW)	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL
	FOOT	FOOT	SQ FT
STA. 90+00 - 207+00	8,011	2,344	782
TOTAL	8,011	2,344	782



USER NAME =	DESIGNED - JRF	REVISED -
PLOT SCALE = 1:100	DRAWN - AJM	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE -	REVISED -

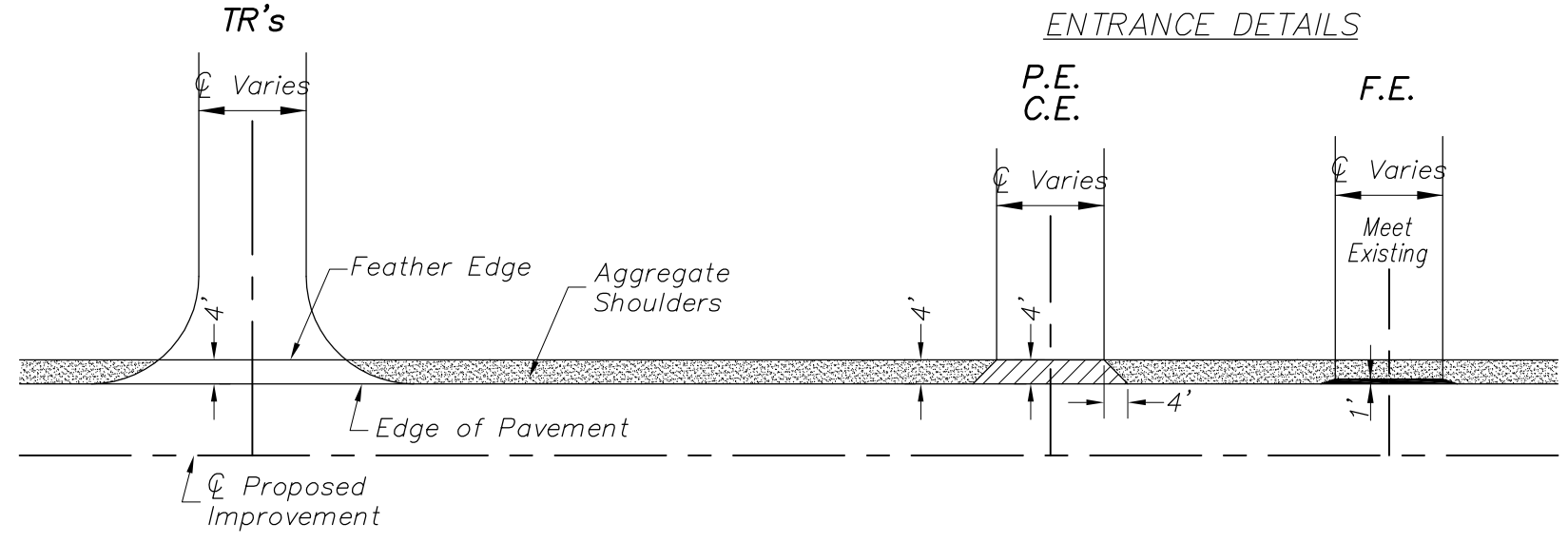
**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**PAVEMENT MARKINGS
FAS ROUTE 1589 (CO HWY 11)**

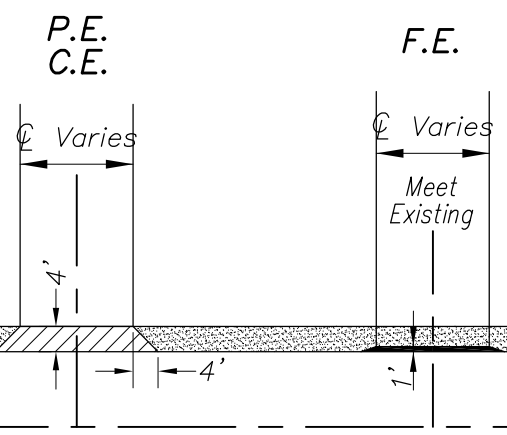
SCALE 1"=100' SHEET 1 OF 1 SHEETS STA. 90+00 TO STA. 207+00

COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1589	19-00017-06-FP	13	7
CONTRACT NO. 93802				

INTERSECTION DETAIL

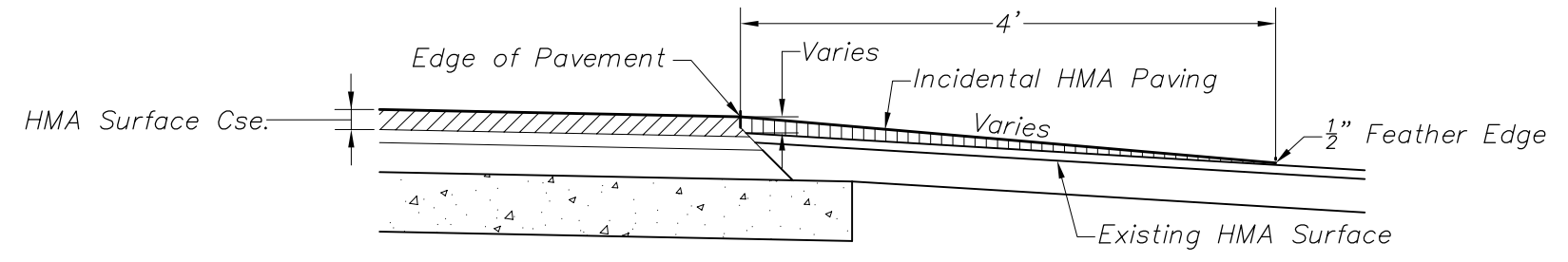


ENTRANCE DETAILS

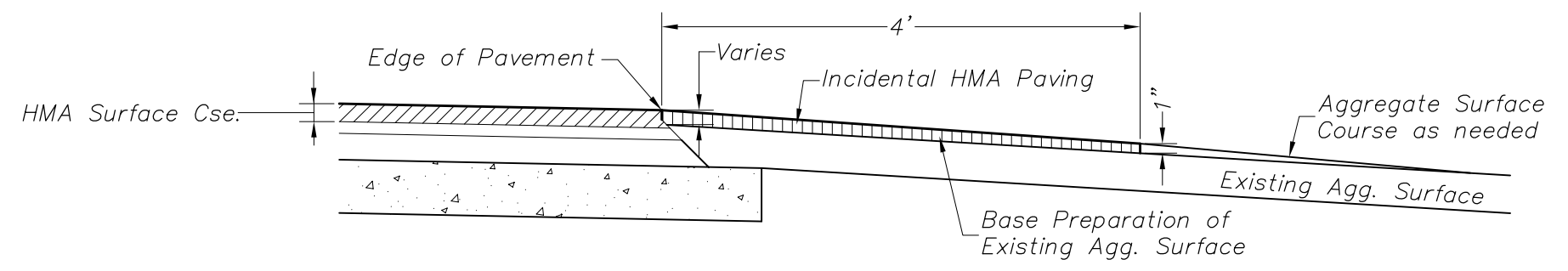


**INCIDENTAL PAVING SCHEDULE
(ENTRANCES + SIDE ROADS)**

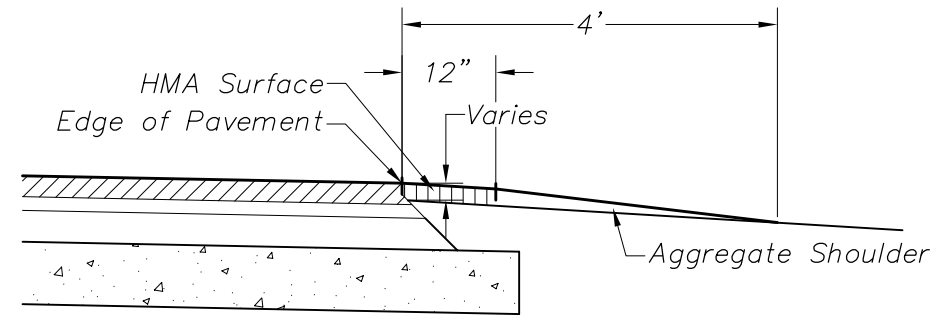
TYPE / STA.	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING
	POUND	TON
P.E. LT. STA. 114+15	12	3
TR RT. STA. 114+20	13	3
P.E. LT. STA. 128+87	10	3
TR RT. STA. 141+63	9	2
TR LT. STA. 141+63	13	3
P.E. LT. STA. 155+41	10	2
TR LT. STA. 169+00	15	4
P.E. RT. STA. 171+01	8	2
P.E. LT. STA. 188+57	10	2
TR RT. STA. 195+58	7	2
TOTAL	107	26



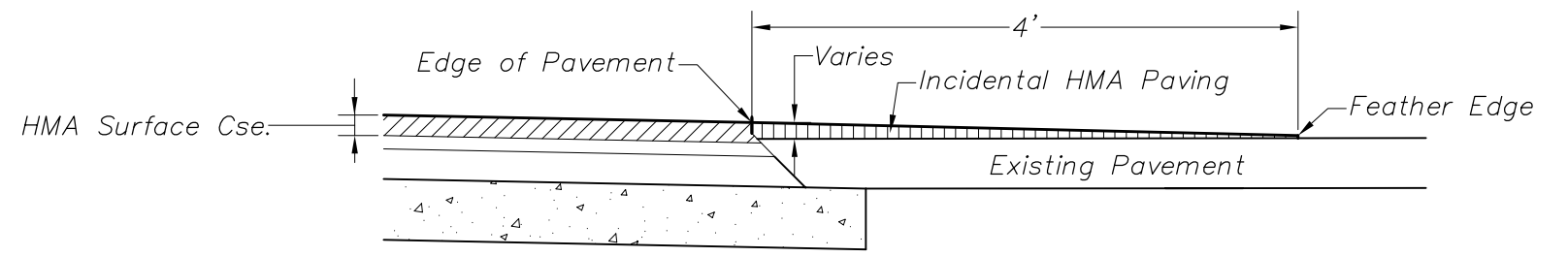
EXISTING HMA or PCC ENTRANCE



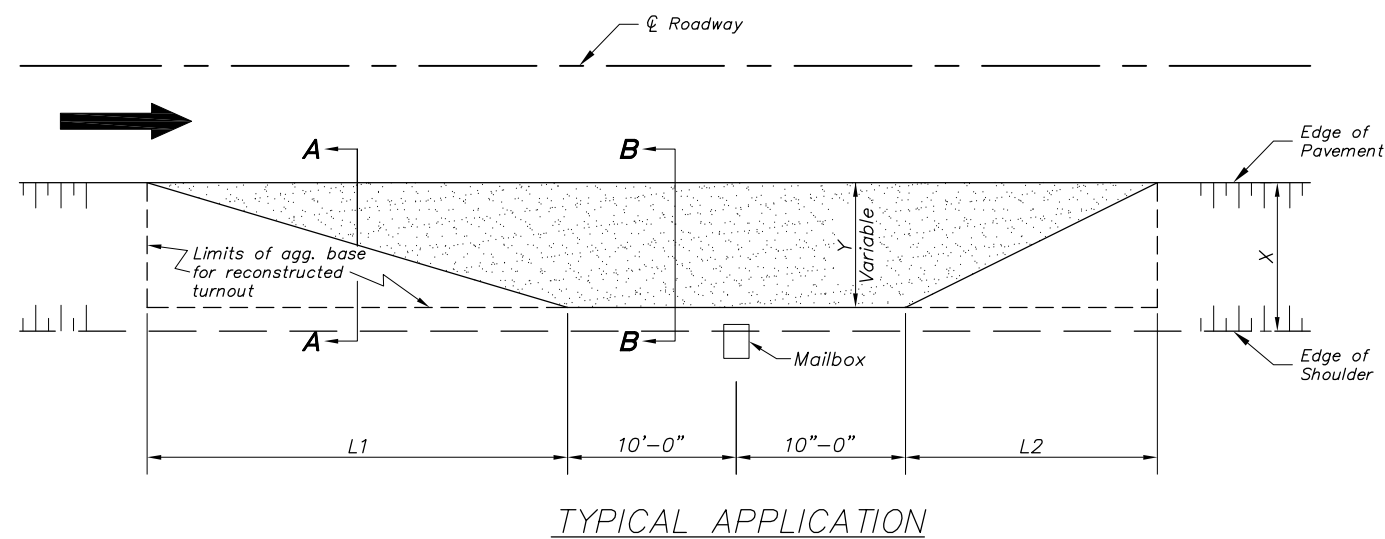
EXISTING AGGREGATE SURFACE ENTRANCE



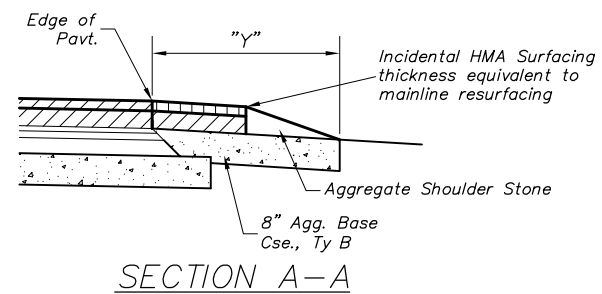
FIELD ENTRANCE



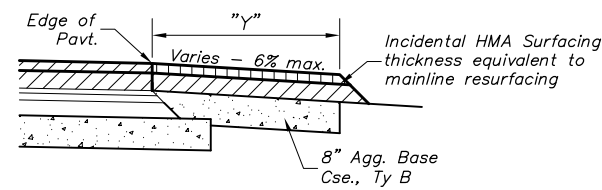
EXISTING SIDE ROADS



TYPICAL APPLICATION



SECTION A-A

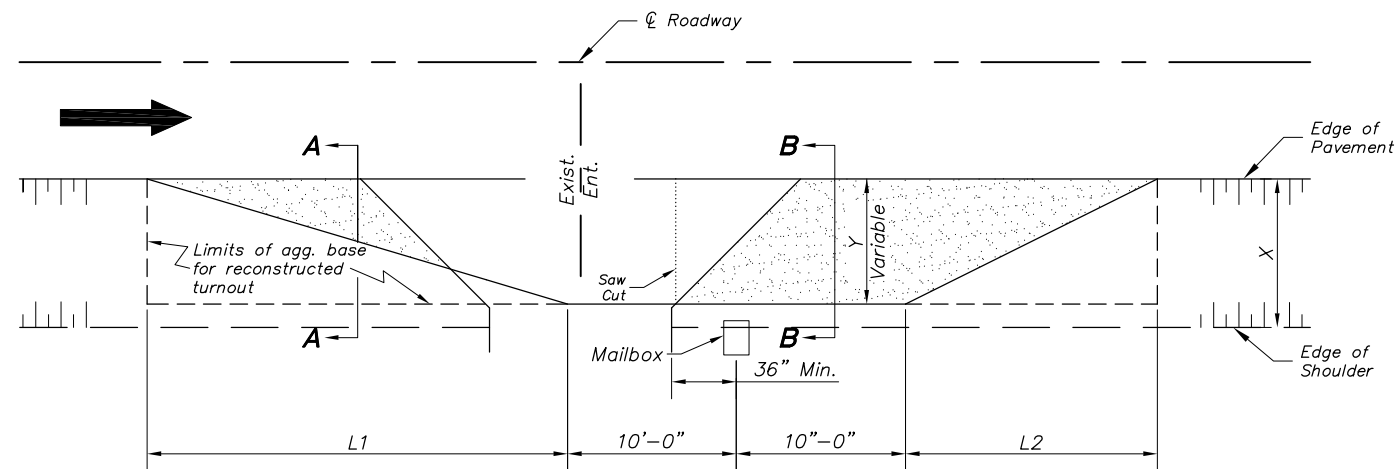


SECTION B-B

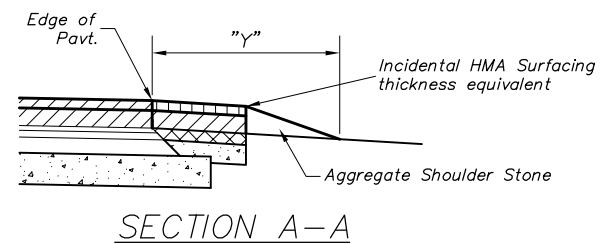
RECONSTRUCTED TURNOUTS

INCIDENTAL PAVING SCHEDULE (MAILBOX TURNOUT)

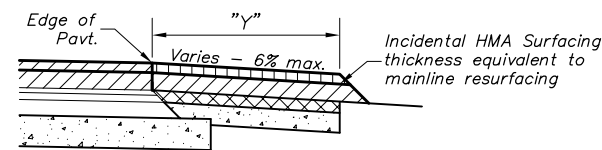
LOCATION / STA. - STA.	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING
	POUND	TON
LT. STA. 128+20	7	2
LT. STA. 155+03	5	2
LT. STA. 171+01	7	3
LT. STA. 188+32	4	2
TOTAL	23	9



MAILBOX ON FARSIDE OF ENTRANCE

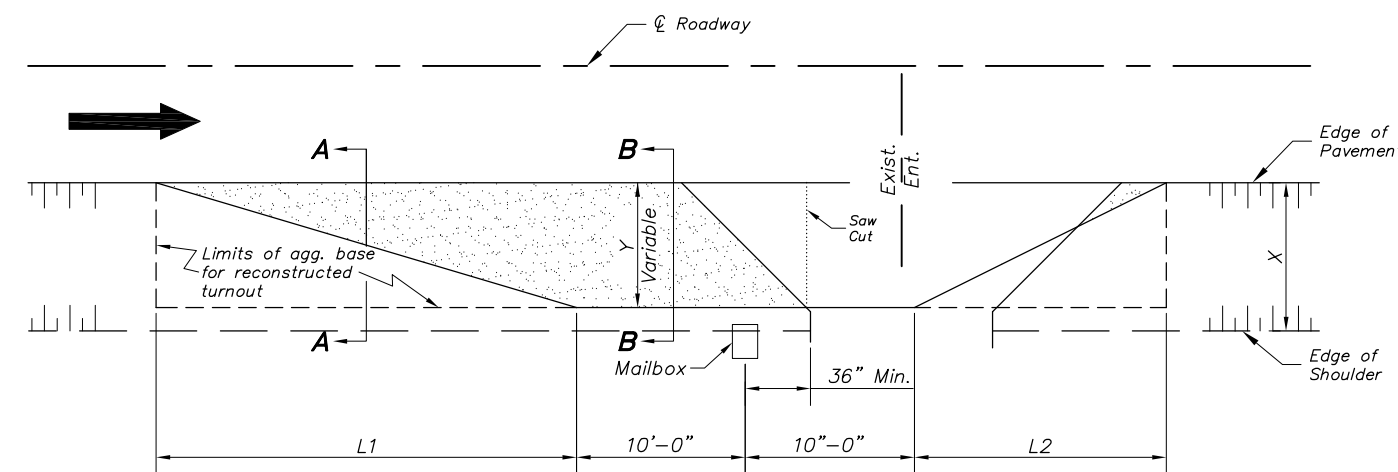


SECTION A-A



SECTION B-B

RESURFACED TURNOUTS



MAILBOX ON NEARSIDE OF ENTRANCE

DIMENSIONS - ft.					
Width of Shoulder (X)	10	8	6	5	4
Width of Turnout (Y)	8	6	4	4	4
L ₁	30	23	15	15	15
L ₂	20	15	10	10	10

GENERAL NOTES:

The Engineer reserves the right to alter the placement of the mailbox turnout to match existing conditions and utilize the entrance as part of the taper.

Mailboxes shall be mounted such that the face of the mailbox is 6" to 12" and the post a minimum of 24" from the edge of the turnout surfacing.

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

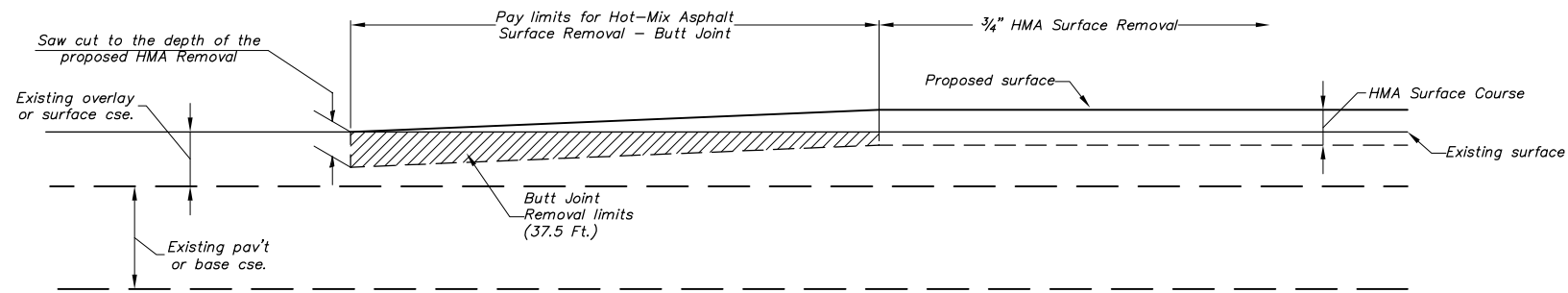
ADAMS COUNTY HIGHWAY DEPARTMENT

MAILBOX TURNOUTS

SCALE: NONE SHEET 1 OF 1 SHEETS

STA. -- TO STA. --

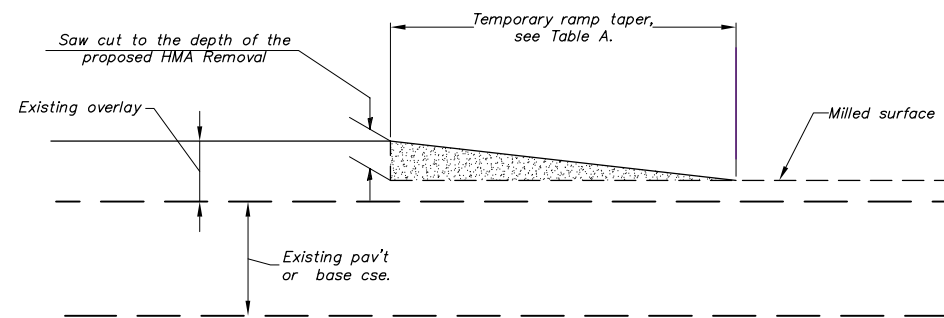
COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	FAS 1589	19-00017-06-FP	13	9
CONTRACT NO. 93802				



CASE 1: BUTT JOINT & SURFACE REMOVAL w/ SURFACE OVERLAY

General Notes

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
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 and the Special Provisions for Butt Joints.
3. 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.

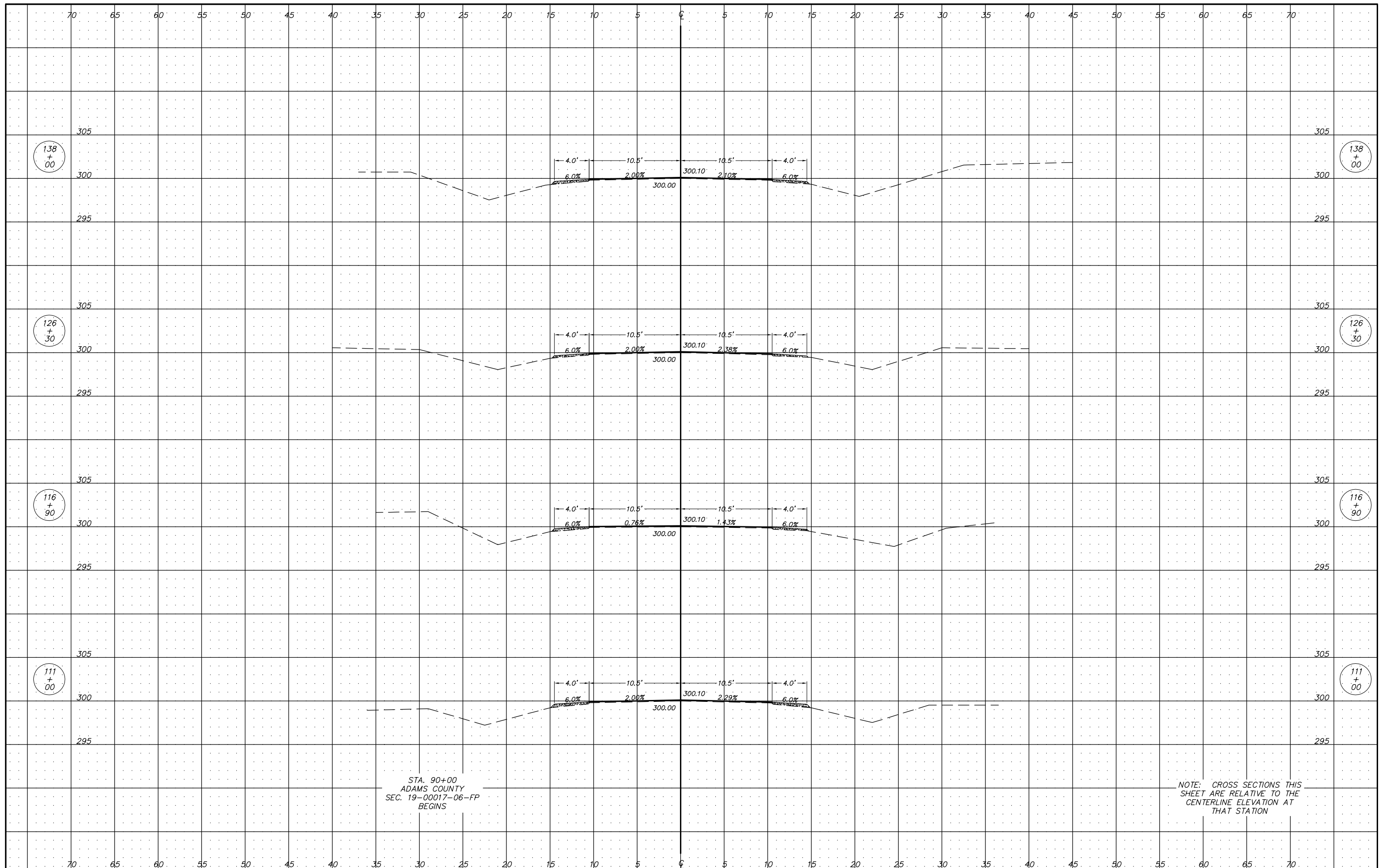


TEMPORARY RAMP DETAIL

TABLE A - TAPER RATES

ELEMENT	POSTED SPEED < 45 MPH	POSTED SPEED => 45 MPH
BUTT JOINT	20' per 1" of DEPTH	30' per 1" of DEPTH
FEATHEREDGE	20' per 1" of THICKNESS	30' per 1" of THICKNESS LESS 3/8" from TOTAL
TEMPORARY RAMP	3' per 1" of HEIGHT	4' per 1" of DEPTH

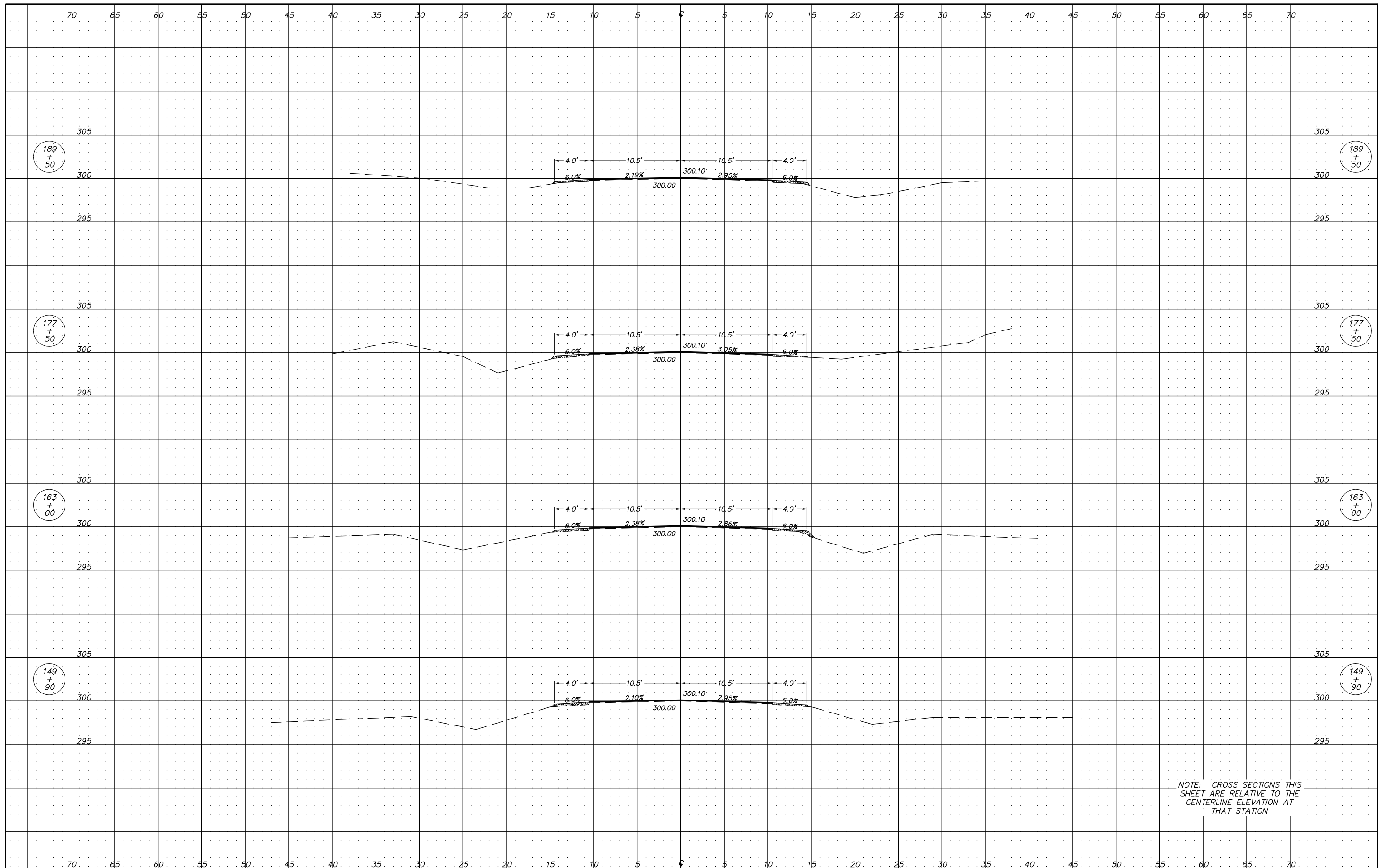
Length of butt joint = Thickness of Surface Cse multiplied by the Taper Rate.
 Length of Pav't Transition = Total Pav't thickness multiplied by the Taper Rate.



STA. 90+00
ADAMS COUNTY
SEC. 19-00017-06-FP
BEGINS

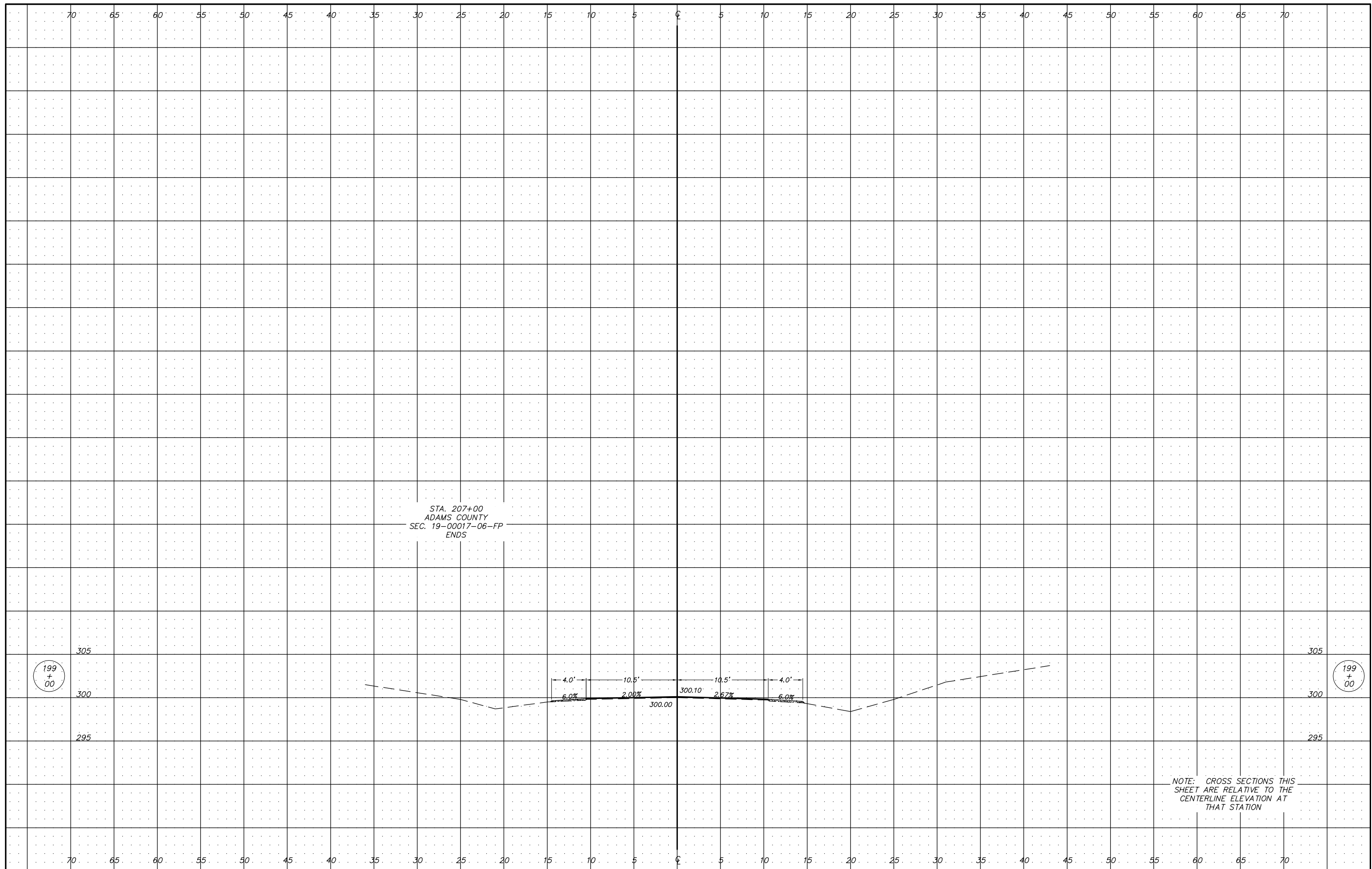
NOTE: CROSS SECTIONS THIS
SHEET ARE RELATIVE TO THE
CENTERLINE ELEVATION AT
THAT STATION

USER NAME =		DESIGNED - JRF	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	CROSS SECTIONS FAS ROUTE 1589 (CO HWY 11)			COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1:5		DRAWN - AJM	REVISED -		SCALE 1" = 5'	SHEET 1 OF 3 SHEETS	STA. 90+00 TO STA. 138+00	ADAMS	FAS 1589	19-00017-06-FP	13	11
PLOT DATE =		CHECKED -	REVISED -		CONTRACT NO. 93802							
		DATE -	REVISED -									



NOTE: CROSS SECTIONS THIS SHEET ARE RELATIVE TO THE CENTERLINE ELEVATION AT THAT STATION

USER NAME =	DESIGNED - JRF	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	CROSS SECTIONS FAS ROUTE 1589 (CO HWY 11)			COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1:5	DRAWN - AJM	REVISED -		SCALE 1" = 5'	SHEET 2 OF 3 SHEETS	STA. 149+90 TO STA. 189+50	ADAMS	FAS 1589	19-00017-06-FP	13	12
PLOT DATE =	CHECKED -	REVISED -					CONTRACT NO. 93802				
	DATE -	REVISED -									



STA. 207+00
ADAMS COUNTY
SEC. 19-00017-06-FP
ENDS

199
+
00

199
+
00

NOTE: CROSS SECTIONS THIS SHEET ARE RELATIVE TO THE CENTERLINE ELEVATION AT THAT STATION

USER NAME =	DESIGNED - JRF	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	CROSS SECTIONS FAS ROUTE 1589 (CO HWY 11)			COUNTY	ROUTE	SECTION	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1:5	DRAWN - AJM	REVISED -		SCALE 1" = 5'	SHEET 3 OF 3 SHEETS	STA. 199+00 TO STA. 207+00	ADAMS	FAS 1589	19-00017-06-FP	13	13
PLOT DATE =	CHECKED -	REVISED -					CONTRACT NO. 93802				
	DATE -	REVISED -									