04-28-2017 LETTING ITEM 023

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1-2) RS	ADAMS	13	1
	ILLINOIS	CONTRACT NO. 72J46		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 14,000 (2016)
SU% = 12.5%
MU% = 9.8%
CRS = 7.9 (2016)
PV = 77.7%

STANDARDS

000001–06
001006
442001–04
604101–01
642001–02
701101–05
701400–09
701401–10
701426–09
701901–06
780001–05
781001–04

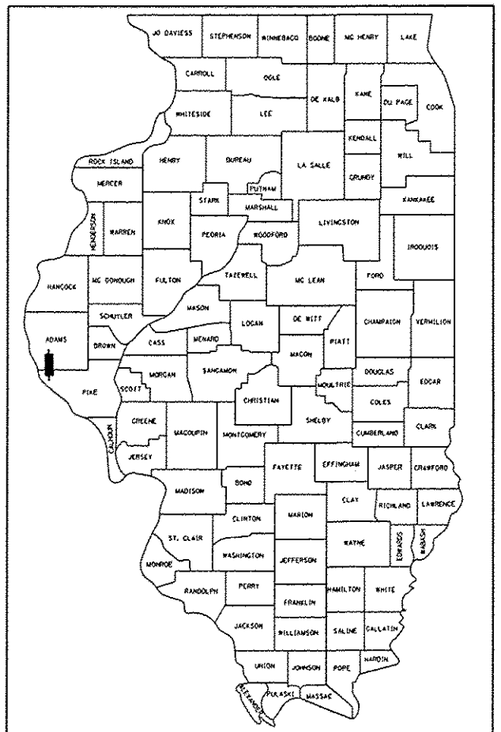
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAI ROUTE 172 (I 172, IL. 110)
SECTION (1-2) RS
PROJECT NHPP-0172(004)
RESURFACING
ADAMS COUNTY

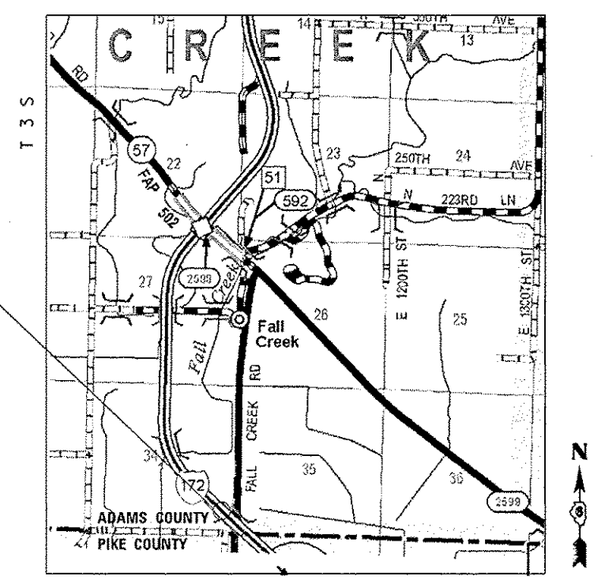
C–96–005–17

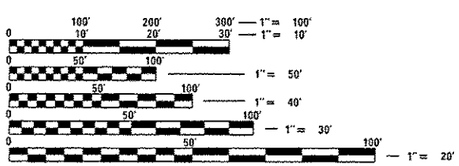
D–96–005–17



LOCATION OF SECTION INDICATED THUS:–

BEGIN SECTION STATION 3+00.00 (SB)
END SECTION STATION 17+15.03 (SB)





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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 20 17
REGIONAL ENGINEER

Mar 24 20 17
Maureen M. Addis, P.E. for
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 24 20 17
DIRECTOR OF PROGRAM DEVELOPMENT

1 INCH = 1 MILE
GROSS LENGTH = 1415.03 FT. = 0.27 MILE
NET LENGTH = 1415.03 FT. = 0.27 MILE

PROJECT ENGINEER: JAY WAVERING (217) 785–9046
PROJECT MANAGER: VICTOR YOUNG (217) 524–0472

CONTRACT NO. 72J46

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE STANDARDS INCLUDED IN THE BACK OF THESE PLANS SHALL APPLY TO THIS PROJECT.

2. THESE PLANS HAVE BEEN PREPARED USING STANDARD SYMBOLS AS INDICATED IN THESE PLANS, AND THEY SHALL TAKE PRECEDENCE OVER THOSE SHOWN ON STARNDARD 000001-06 IF THERE IS A CONFLICT.

3. EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED PRIOR TO RESURFACING.

4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

5. THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

   J.U.L.I.E. 1-800-892-0123

   ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, BY CONTACTING THE UTILITY COMPANY DIRECTLY.

   IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.

   THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER SO THAT UTILITIES CAN BE GIVEN NOTICE. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR I) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, (II) VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORKED AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS; (III) COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND (Iv) THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE.

6. FULL DEPTH SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.

7. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.

8. ALL AREAS DISTURBED BEYOND THE CONSTRUCTION LIMITS FOR ANY REASON SHALL BE SEEDED WITH CLASS 2 SEEDING, AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE. THESE AREAS WILL NOT BE MEASURED FOR PAYMENT.

9. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTIONN MONUMENTS DESTROYED BY HIS/HER OPERATIONS.

10. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

GRANULAR MATERIALS	2.05 TONS / CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.05 LBS / SQ FT (MILLED/AGED)
	0.025 LBS / SQ FT (FOG COAT BTW LIFTS)
	0.25 LBS / SQ FT (AGG BASE)
HMA RESURFACING	112 LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	4 FT / 40 FT OF APPLICATION

11. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATION AT (217) 785-5312 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5	SCHEDULE OF QUANTITIES
6	TYPICAL SECTION
7-9	PLAN
10-13	DETAILS

COMMITMENTS

1. THE RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGES.

2. THE PROPOSED PAVEMENT MARKINGS FOR EDGE LINES SHALL BE DONE BY THE DISTRICT 6 OPERATIONS. ON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL CONTACT DISTRICT 6 OPERATIONS AT (217)785-5312 TWO WEEKS PRIOR TO MAKE ARRANGEMENTS FOR THIS WORK.

DISTRICT SIX

EXAMINED January 25th 20 17
OPERATIONS ENGINEER

EXAMINED January 17 20 17
PROJECT IMPLEMENTATION ENGINEER

EXAMINED January 24 20 17
PROGRAM DEVELOPMENT ENGINEER

MIXTURE TABLES

Location(s):	MAINLINE	MAINLINE	SHOULDER	SHOULDER
MIXTURE USE(S):	BINDER	SURFACE	LOWER LIFT	TOP LIFT
PG:	SBS PG 70-28	SBS PG 70-28	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N50
Mixture Composition:	IL 19.0	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE:	N/A	MIX "D"	N/A	MIX "C"
Quality Management:	QCP	QCP	QC/QA	QC/QA
Mixture Sublot Size:	500 TONS	300 TONS	N/A	N/A

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-01002-0000 NHPP 90/10 ROADWAY 0004 RURAL
35800100	PREPARATION OF BASE	SQ YD	450	450
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4458	4458
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	244	244
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	80	80
40600990	TEMPORARY RAMP	SQ YD	56	56
40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	476	476
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	317	317
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	76	76
44200529	CLASS A PATCHES, TYPE II, 8 INCH	SQ YD	125	125
44200533	CLASS A PATCHES, TYPE III, 8 INCH	SQ YD	30	30
44213000	PATCHING REINFORCEMENT	SQ YD	155	155
44213200	SAW CUTS	FOOT	1104	1104
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	170	170
48203100	HOT-MIX ASPHALT SHOULDERS	TON	577	577

14

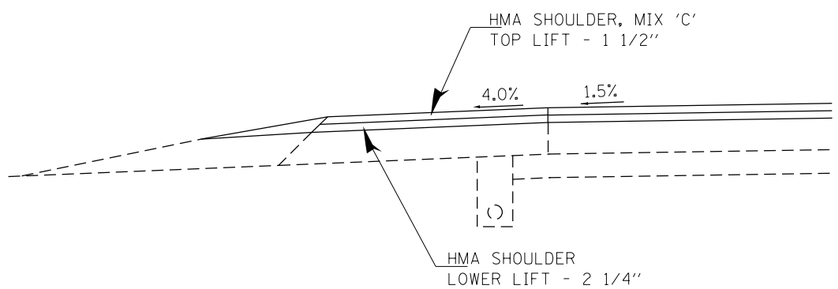
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-01002-0000 NHPP 90/10 ROADWAY 0004 RURAL
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	2830	2830
67100100	MOBILIZATION	LSUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	LSUM	1	1
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	30	30
70300100	SHORT TERM PAVEMENT MARKING	FOOT	520	520
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	87	87
* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	472	472
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	19	19
X0322279	OUTLET MARKER	EACH	12	12
X0326351	CONCRETE APRON FOR MEDIAN INLET	EACH	1	1
X4820110	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	400	400
X7010410	SPEED DISPLAY TRAILER	CAL MO	2	2
Z0034105	MATERIAL TRANSFER DEVICE	TON	793	793

13

* SPECIALTY ITEMS

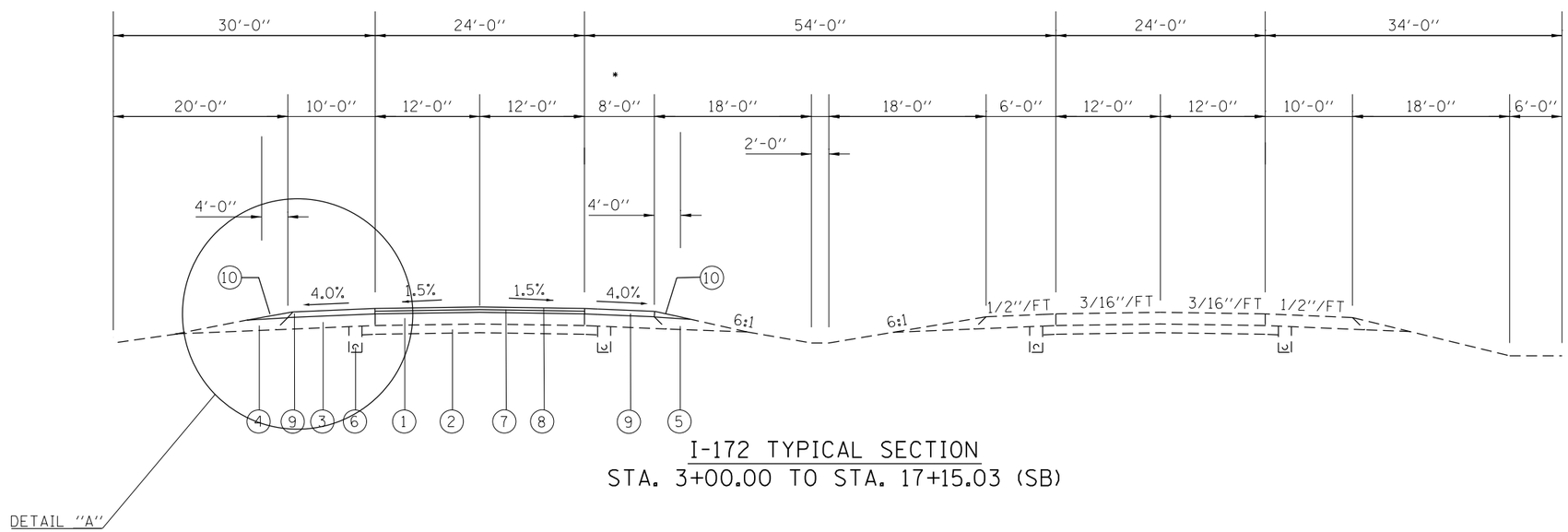
LOCATION			POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)		POLYMERIZED HOT-MIX ASPHALT BINDER CSE, N70 2 1/4"	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 1 1/2"	HOT-MIX ASPHALT SHOULDERS 6 FT	HOT-MIX ASPHALT SHOULDERS 8 FT	HOT-MIX ASPHALT SHOULDERS 10FT	AGGREGATE WEDGE SHOULDERS, TY B	PREPARATION OF BASE	INCIDENTAL HMA SURFACING
			0.05 LB/ SF	0.025 LB/SF								
STATION	TO	STATION	(POUND)	(POUND)	(TON)	(TON)	(TON)	(TON)	(TON)	(TON)	(SQ YD)	(TON)
SOUTH BOUND LANE												
3+00	TO	17+15.03	2972	1486	476.0	317.00	55.00	192.00	330	170		
MEDIAN CROSS-OVER												
7+28.92											450	76
		TOTAL	2972.0	1486.0	476.0	317.0	55.0	192.0	330.0	170.0	450	76
		USE	4458.0		476.0	317.0	55.0	192.0	330.0	170.0	450	76

DETAIL "A"



LEGEND

1. EXISTING 8" CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
2. EXISTING 4" STABILIZED SUB-BASE
3. EXISTING BITUMINOUS SHOULDERS 8"
4. EXISTING AGGREGATE SHOULDER MATERIAL TYPE B
5. EXISTING AGGREGATE SHOULDER MATERIAL TYPE A
6. EXISTING 6" PIPE UNDERDRAIN (SEE STD 2327)
7. PROPOSED HMA BINDER IL 19.0, N70- 2 1/4"
8. PROPOSED HMA SURFACE COURSE, MIX D, IL9.5, N70, -1 1/2"
9. PROPOSED HMA SHOULDERS
10. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



I-172 TYPICAL SECTION
STA. 3+00.00 TO STA. 17+15.03 (SB)

* 6 FT MEDIAN HMA SHOULDER - STA. 3+00.00 TO STA. 6+90.50

FILE NAME =	USER NAME = Verenskifa	DESIGNED -	REVISED TMR	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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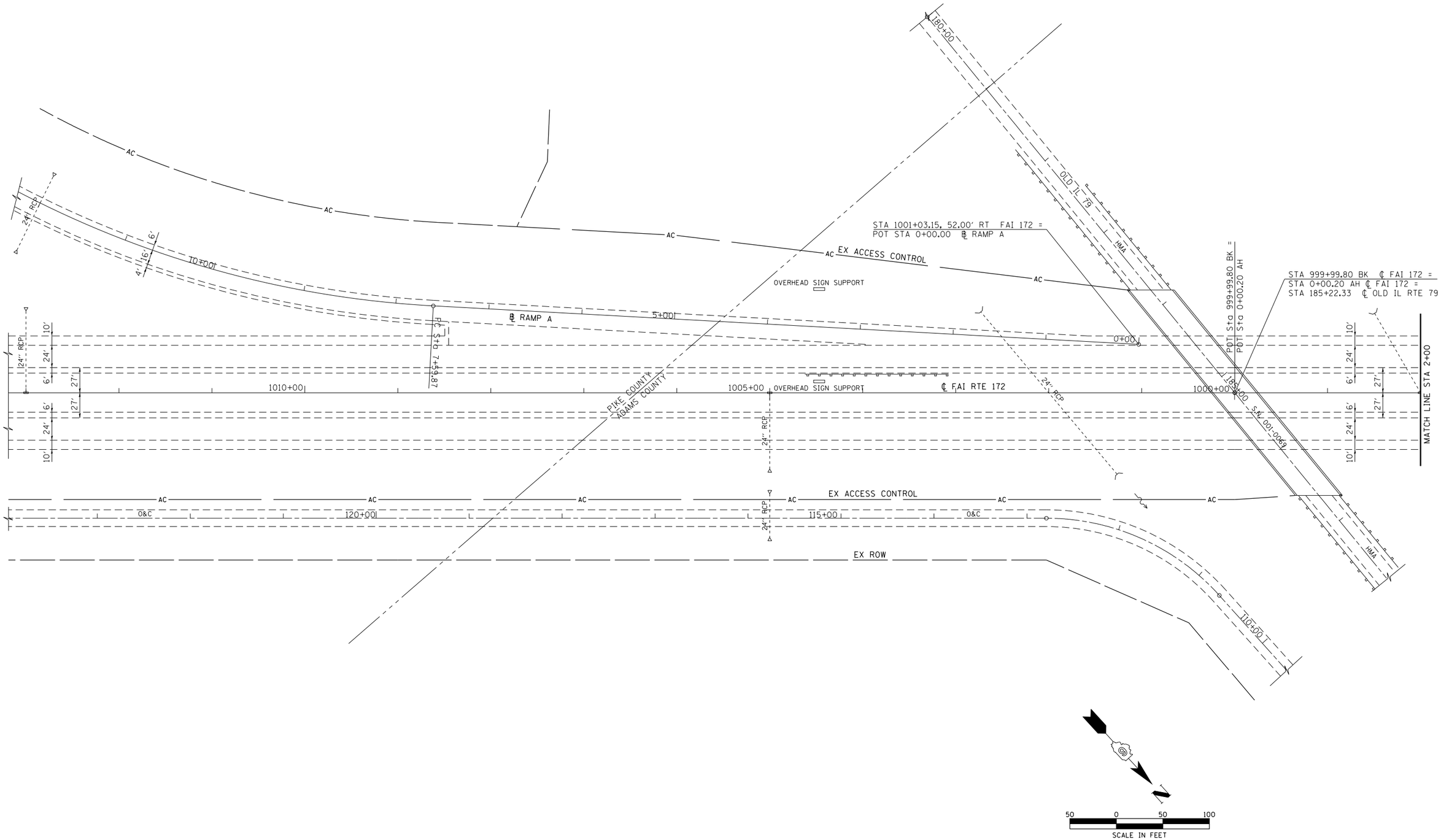

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

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

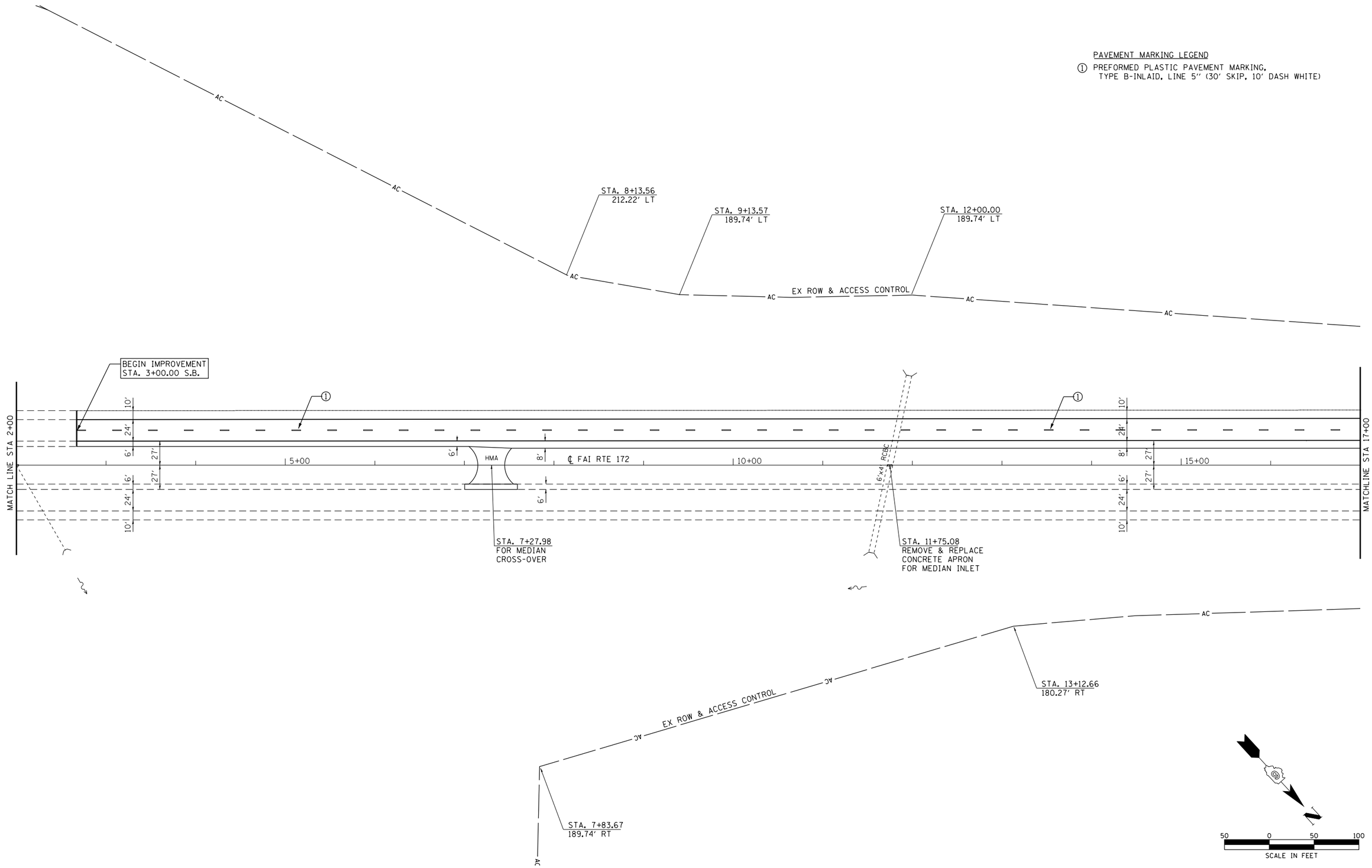
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1, 2) RS	ADAMS	13	7

CONTRACT NO. 72J46

ILLINOIS FED. AID PROJECT

PAVEMENT MARKING LEGEND

① PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID, LINE 5" (30' SKIP, 10' DASH WHITE)



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Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

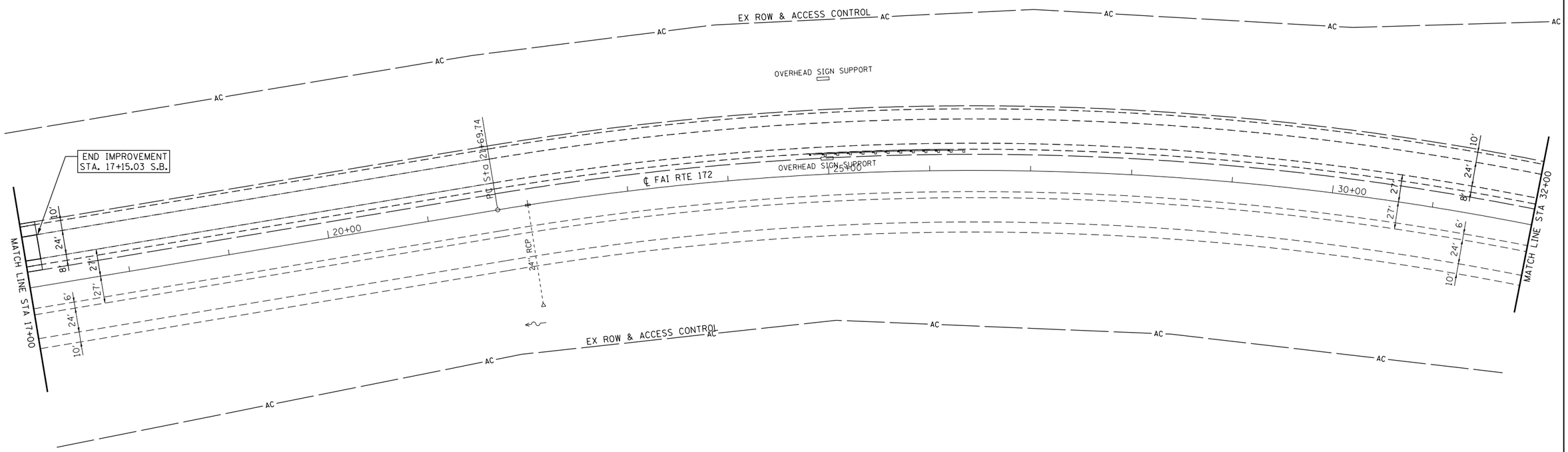
PLAN SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1,2) RS	ADAMS	13	8

CONTRACT NO. 72J46

ILLINOIS FED. AID PROJECT



EXIST. CURVE C1
PI STA. = 34+70.04
Δ = 48° 49′ 32″ (RT)
D = 2° 00′ 00″
R = 2,864.79′
T = 1,300.30′
L = 2,441.28′
E = 281.29′
EX & PR S.E. = 6.0% (70 MPH DESIGN)
T.R. = 38.60′
S.E. RUN = 270.00′
P.C. STA. = 21+69.74
P.T. STA. = 46+11.02
S.E. ATTAINED:
STA 19+51.14 TO STA 22+59.74
STA 45+21.02 TO STA 48+29.62

50 0 50 100
SCALE IN FEET

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Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

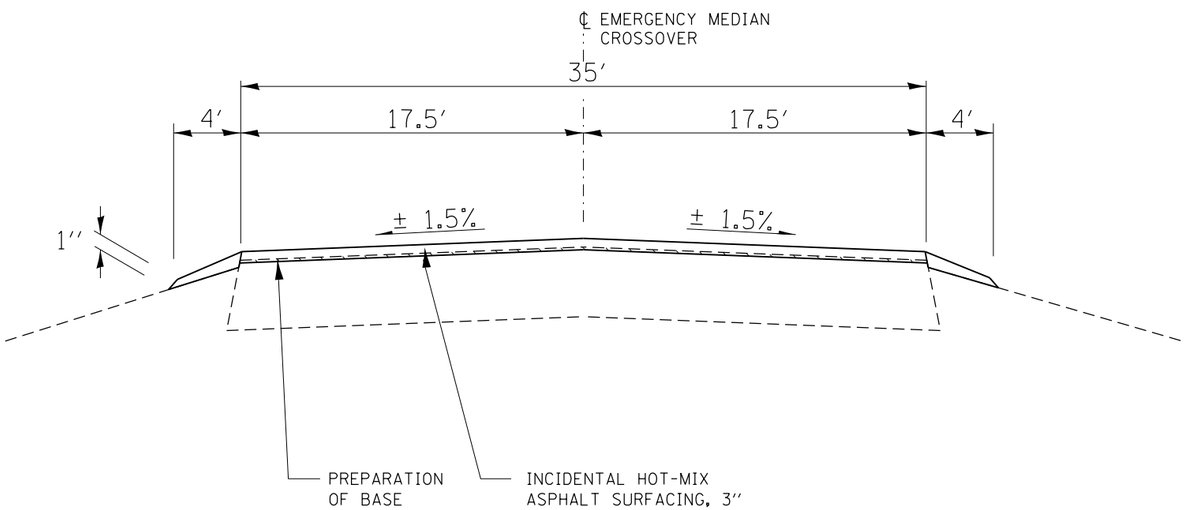
PLAN SHEET

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

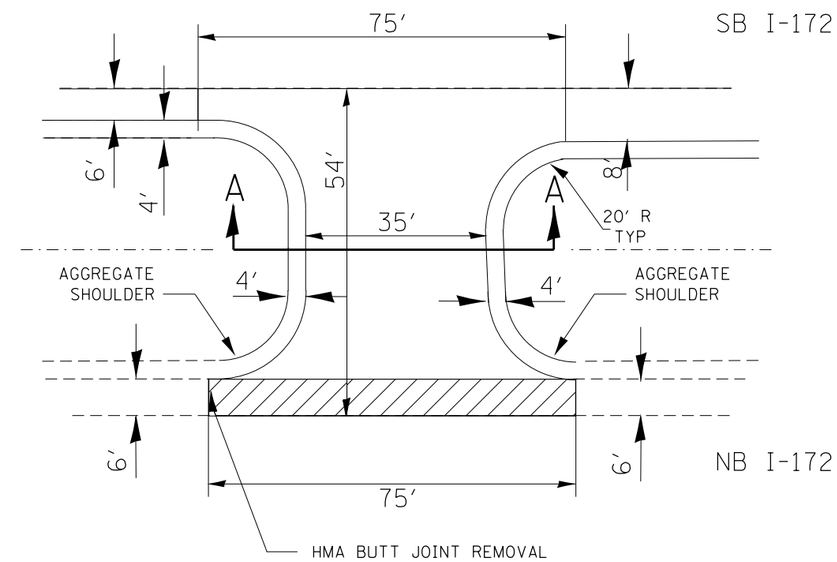
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1-2) RS	ADAMS	13	9

CONTRACT NO. 72J46

ILLINOIS FED. AID PROJECT



SECTION A - A



PLAN VIEW

NOT TO SCALE

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		DRAWN -	REVISED -			172	(1-2) RS	ADAMS	13	10
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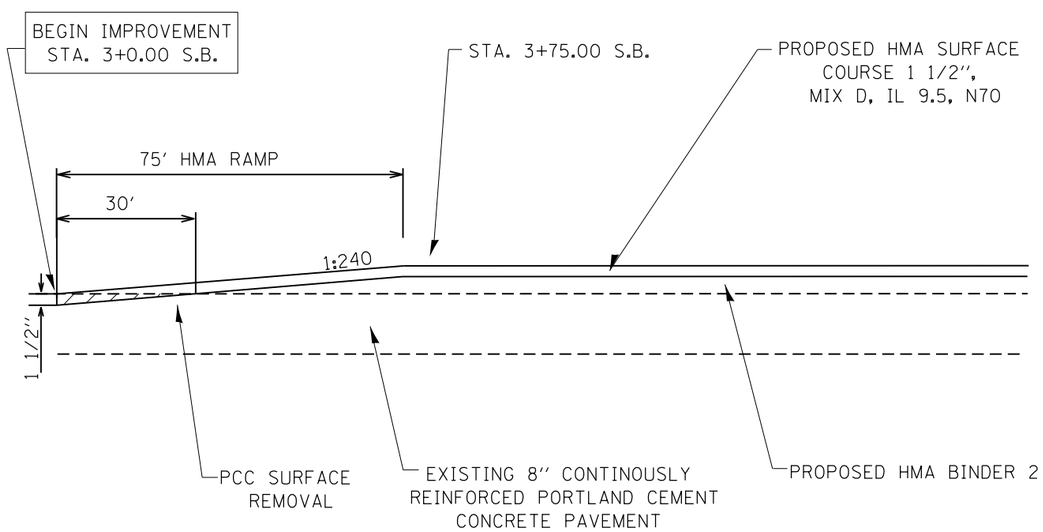

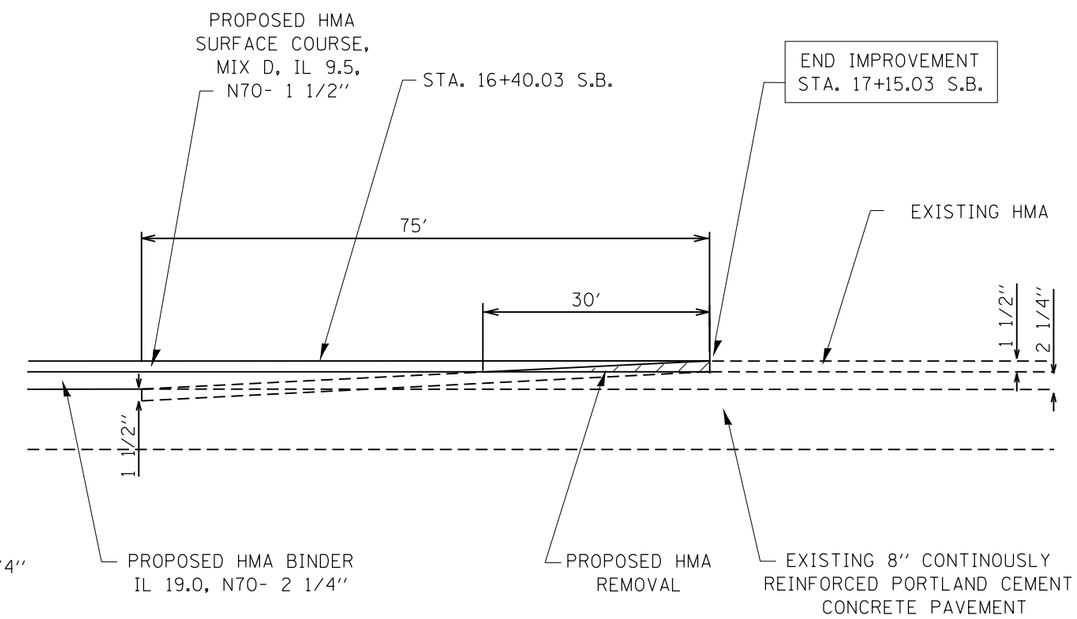

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		DRAWN -	REVISED -
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Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAIL

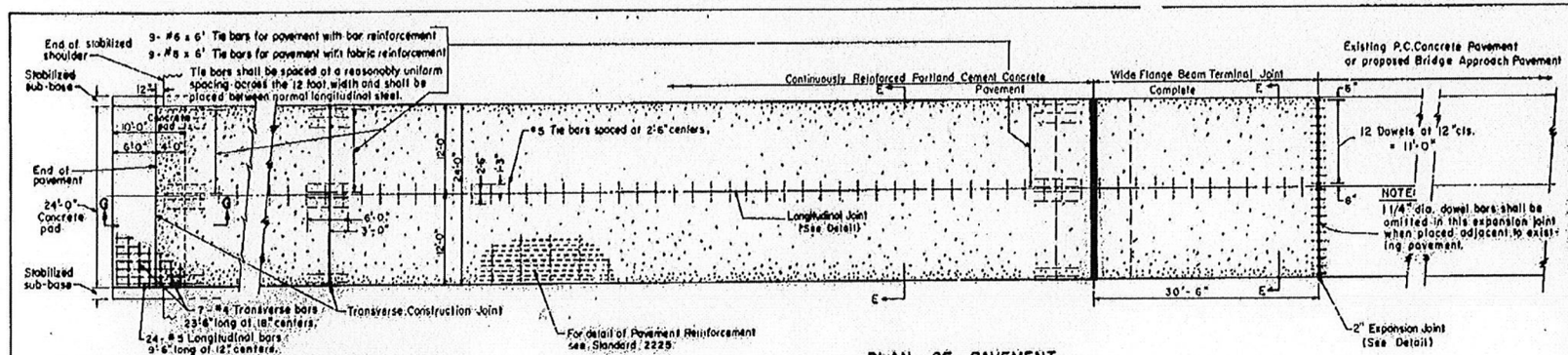
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1,2) RS	ADAMS	13	11

CONTRACT NO. 72J46

ILLINOIS FED. AID PROJECT

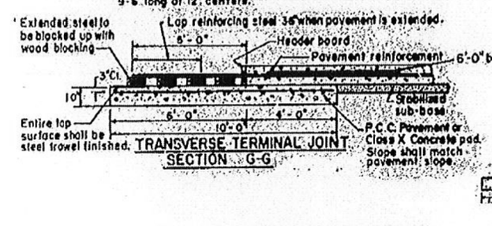
FOR INFORMATION ONLY



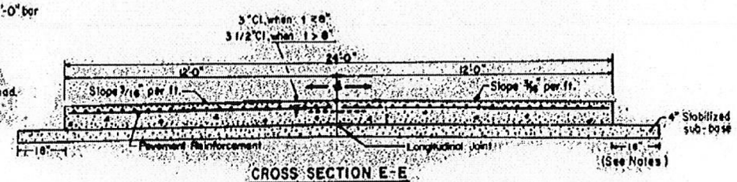
PLAN OF PAVEMENT

MATERIALS REQUIRED FOR (1) ONE WIDE FLANGE BEAM TERMINAL JOINT COMPLETE				
Bar	No.	Size	Length	Shape
a	24	#4	19'-0"	
b	29	#5	23'-8"	
c	48	#6	8'-6"	
P.C.C. Pavt. or Class X Concrete, Cu.Yds.				7.4
Reinforcement Bars, Lbs.				1630
Structural Steel, Lbs.				2030 *
* Weight includes beam, endplates, stiffener plates and studs.				
Pavement, Sq.Yds.				81.3
Pavt. Reinforcement, Sq.Yds.				81.3
4" Stabilized Sub-base, Sq.Yds.				76.5

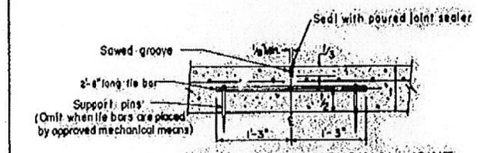
MATERIALS REQUIRED FOR (1) ONE TRANSVERSE TERMINAL JOINT COMPLETE	
P.C.C. Pavt. or Class X Concrete, Cu.Yds.	7.4
Reinforcement Bars, Lbs.	348
Pavt. Reinforcement Sq.Yds.	13.3



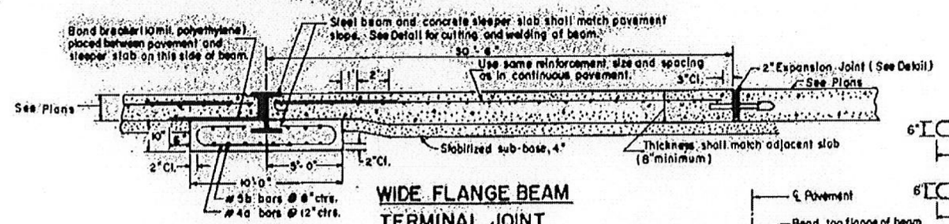
TRANSVERSE TERMINAL JOINT SECTION G-G



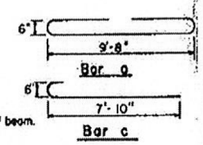
CROSS SECTION E-E

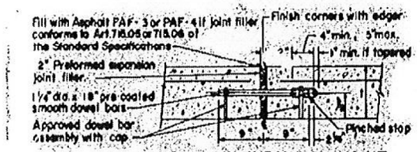


DETAIL OF LONGITUDINAL JOINT

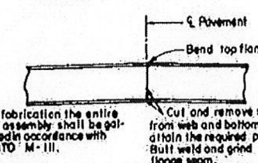


WIDE FLANGE BEAM TERMINAL JOINT

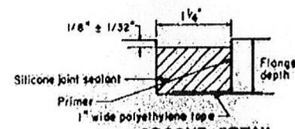




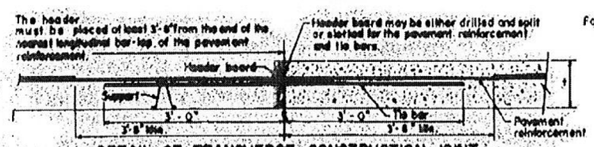
DETAIL OF EXPANSION JOINT



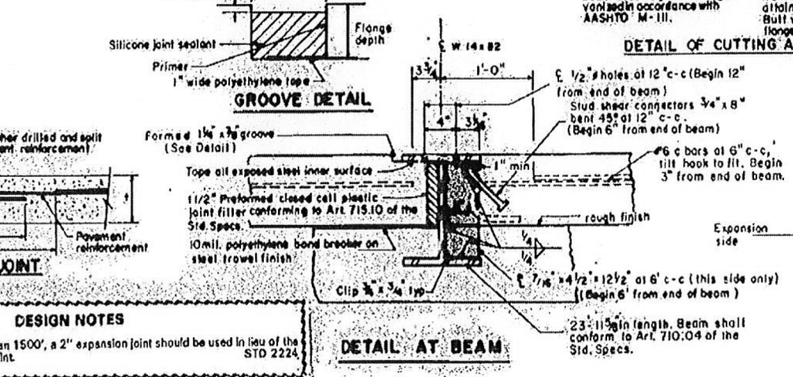
DETAIL OF CUTTING AND WELDING BEAM



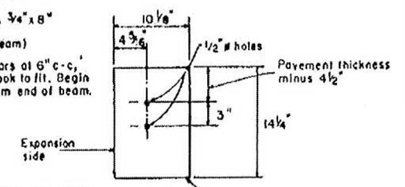
GROOVE DETAIL



DETAIL OF TRANSVERSE CONSTRUCTION JOINT



DETAIL AT BEAM



END PLATE

GENERAL NOTES

When a slip form paver is used, the Stablized Sub-base shall be constructed to a width 6 inches wider than the width from outside to outside of the slip form paver's tracks. When this results in a width greater than shown on the plans, such extended width will not be measured for payment, but shall be included in the unit price bid for STABILIZED SUB-BASE.

Details shown in Section G-G shall apply only at the end of the construction section. The 10-inch reinforced concrete pad, header board, wood blocking and the 5 feet of extended pavement reinforcement shall be included in the unit price bid for the TRANSVERSE TERMINAL JOINT COMPLETE.

Expansion joints and extra reinforcements in the pavement over concrete pads, sleeper slabs and at transverse construction joints shall be included in the price bid for C.R.P.C.C. PAVEMENT.

The concrete pavement on the expansion side of the wide flange beam shall be carefully finished at both the surface expansion joint trough and at the welded side plates to facilitate unrestrained pavement expansion.

When the Contractor places the reinforcement using a method which requires the tie bars for the longitudinal joint to be placed above the longitudinal reinforcement bars, the first three longitudinal bars on either side of the joint shall be placed such that the tie bars will be at the neutral axis.

#4 steel tie bars may be used when the pavement is less than 9 inches thick.

Concrete for the Wide Flange Beam Terminal Joint sleeper slab and Transverse Terminal Joint concrete pad shall be either Class X or Portland Cement Concrete Pavement. It shall be placed in trench to the neat lines shown. Forms will not be permitted. The concrete in the sleeper slab and concrete pad shall be cured in accordance with the methods specified for footings in Section 625 of the Standard Specifications, except that membrane curing will not be permitted for the sleeper slab

The groove at the Wide Flange Beam Terminal Joint shall be sealed in accordance with the details shown. Sealant components shall be as follows or approved equals. Sealant shall be Dow Corning 888 Silicone Highway Joint Sealant. Tape shall be Polyethylene Tape No. 40. Primer, used on the metal only, shall be Dow Corning 1200

The groove adjacent to the beam shall extend to the edge of the shoulder and shall be approximately the same width and depth as the one in the pavement.

DESIGN NOTES

When the slab length is less than 1500', a 2" expansion joint should be used in lieu of the Wide Flange Beam Terminal Joint. STD 2224

Design Notes will not appear in the contract plans.

Illinois Department of Transportation
PROVED: July 1, 1981
Engineer of Bridge Operation
APPROVED: July 1, 1981
Chief Engineer

24 FT.- CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT

STANDARD 2224-14
(Full Size) Dwg.

C-24-03

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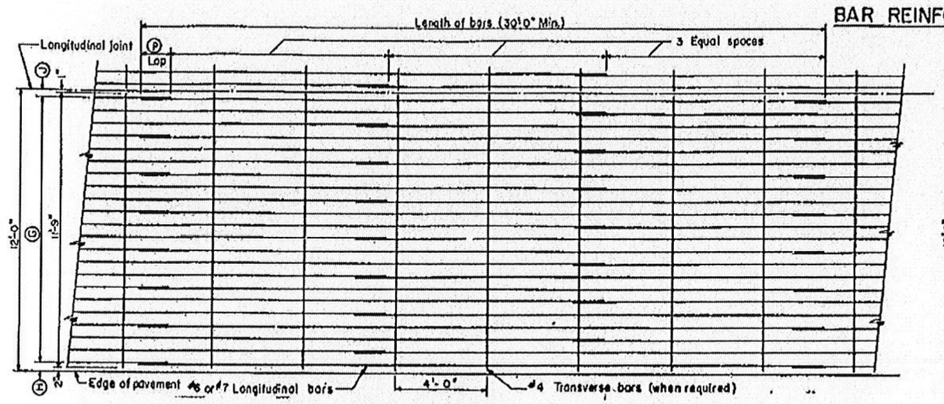
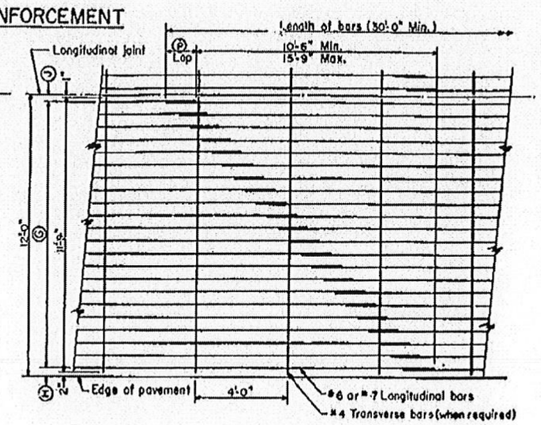
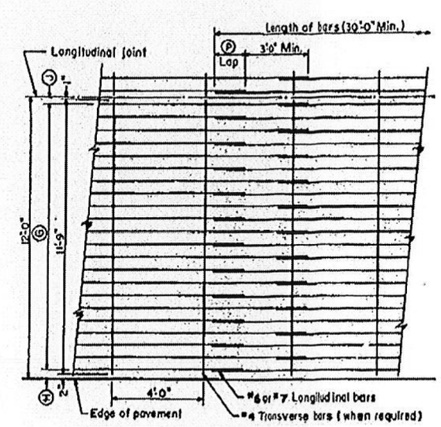
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY

BAR REINFORCEMENT







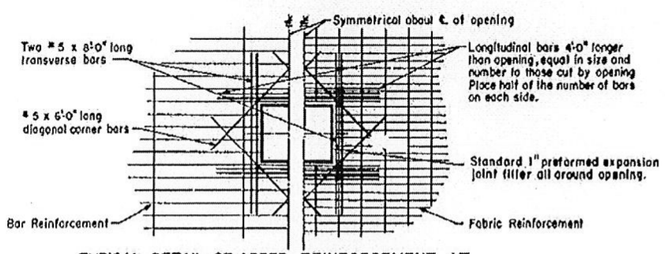
Bar Size	Pavt. Thk's.	Ⓖ	Ⓗ	Ⓙ	Ⓟ
#6	8"	18 Spcs. (19 bars) @ 7 5/8" = 11'-5 1/4"	2 15/16"	3 13/16"	18 3/4"
#6	9"	20 Spcs. (21 bars) @ 6 7/8" = 11'-5 1/2"	3 1/16"	3 7/16"	18 3/4"
#6	10"	22 Spcs. (23 bars) @ 6 1/4" = 11'-5 1/2"	3 3/8"	3 1/8"	18 3/4"
#6	11"	24 Spcs. (25 bars) @ 5 3/4" = 11'-6"	3 1/8"	2 7/8"	18 3/4"
#6	12"	27 Spcs. (28 bars) @ 5 1/8" = 11'-6 3/8"	3 1/16"	2 5/16"	18 3/4"
#7	10"	16 Spcs. (17 bars) @ 8 1/2" = 11'-4"	3 3/4"	4 1/4"	21 7/8"
#7	11"	18 Spcs. (19 bars) @ 7 5/8" = 11'-5 1/4"	2 15/16"	3 13/16"	21 7/8"
#7	12"	19 Spcs. (20 bars) @ 7 1/4" = 11'-5 3/4"	2 5/8"	3 5/8"	21 7/8"

LAP DETAIL I

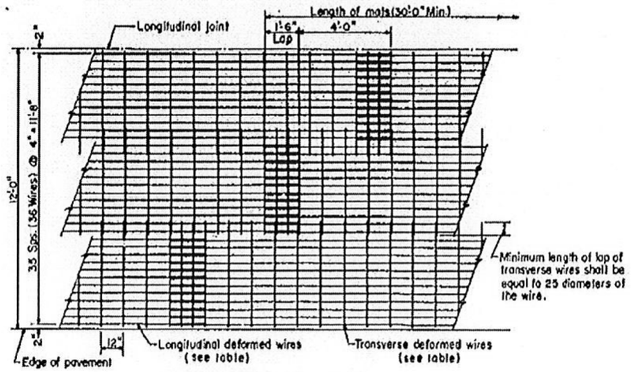
LAP DETAIL II

LAP DETAIL III

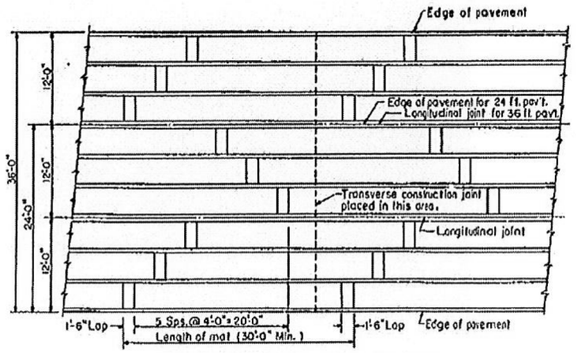
FABRIC REINFORCEMENT



TYPICAL DETAIL OF ADDED REINFORCEMENT AT OPENINGS FOR MANHOLES, ETC. UP TO 4 FT. WIDE

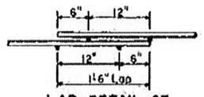


DETAIL OF 4 x 12 FABRIC



TYPICAL MAT PLACEMENT PATTERN

Pavt. Thks.	Longitudinal	Transverse
8"	D-22 wire size	D-5 wire size
9"	D-26 wire size	D-5 wire size
10"	D-28 wire size	D-6 wire size
11"	D-31 wire size	D-6 wire size
12"	Not Allowed	



LAP DETAIL OF LONGITUDINAL WIRES

NOTE
Fabric reinforcement may be placed in position with the transverse wires on top or bottom of the longitudinal wires.

When approved by the Engineer the Contractor may use fabric widths other than those shown.

Illinois Department of Transportation
PASSED May 20, 1981
Engineer of Design and Quality
APPROVED May 20, 1981
Engineer of Design
ISSUED 1-1-83

REINFORCEMENT FOR CONTINUOUSLY REINFORCED P.C.C. PAVEMENT

STANDARD 2225-6

C-23.05d

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