

72A08

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-4(B-1))I	SANGAMON	9	1

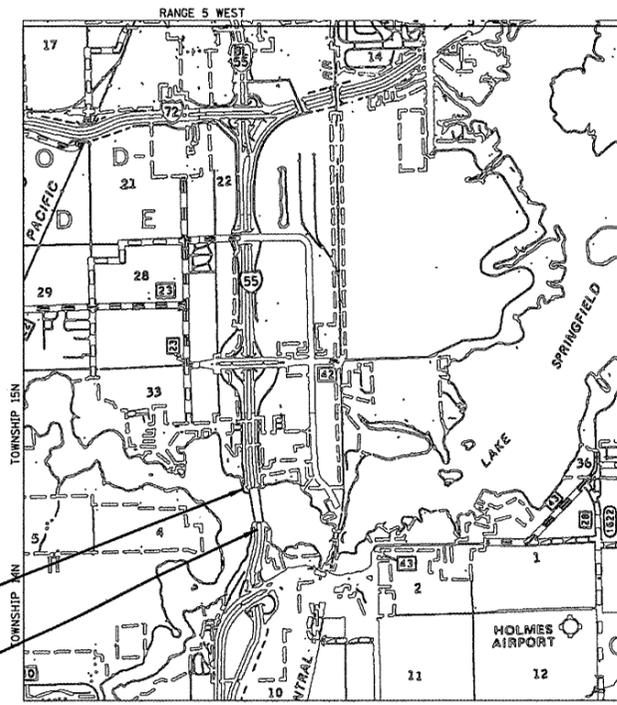
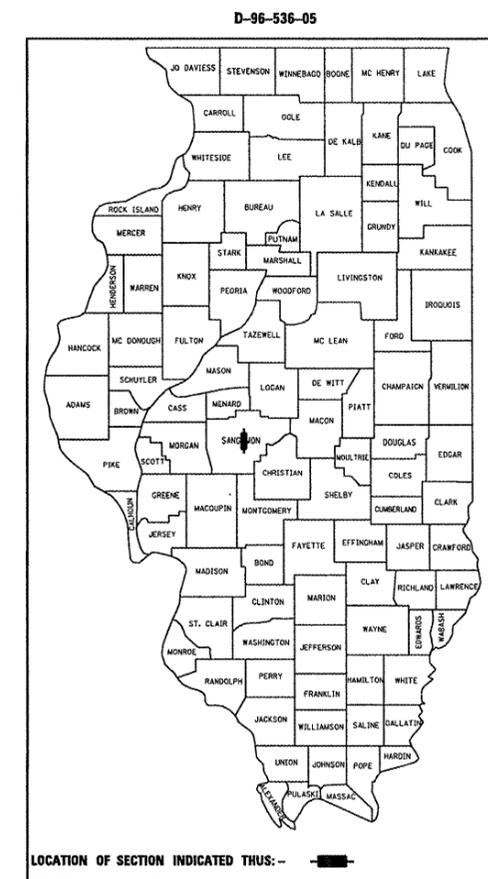
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF STANDARDS, SEE SHEET NO. 2

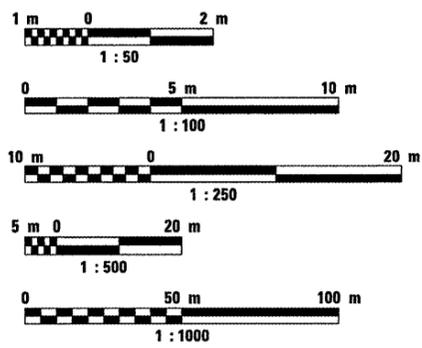
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 55
SECTION 84-4(B-1)
SANGAMON COUNTY
C-96-513-06
PROJECT



METRIC RATIOS



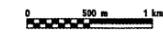
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 72A08

END SECTION
STA. 143+840

BEGIN SECTION
STA. 143+367



LENGTH OF SECTION

GROSS LENGTH OF SECTION 84-4(B-1)I 473 METERS 0.473 KM
NET LENGTH OF SECTION 84-4(B-1)I 252.6 METERS 0.253 KM

ADT (2003)
40,800
% MU + SU = 20%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED January 25, 2006
Chris M. Reed DISTRICT ENGINEER
March 24, 2006
Mike Hene ENGINEER OF DESIGN AND ENVIRONMENT
March 24, 2006
Milton R. Sees, P.E. DIRECTOR, DIVISION OF HIGHWAYS

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

PROJECT ENGINEER: JOHN NEGANGARD 782-6990
SQUAD LEADER: VINCE MADONIA 785-9046

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-4(B-1))I	SANGAMON	9	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

INDEX OF SHEETS:

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5-6 PLAN VIEW
- 7 BUTT JOINT DETAILS
- 8 DRAINAGE DETAILS
- 9 JOINT DETAILS

LIST OF STANDARDS

- 000001-04
- 604071-02
- 630001-06
- 701101-01
- 701106-01
- 701400-02
- 701401-03
- 701406-04
- 701411-03
- 701426-02
- 701446
- 702001-06
- 780001-01
- 781001-02

GENERAL NOTES:

1. ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS INCLUDED IN THE PLANS.
2. NO EXCAVATION ANTICIPATED ON THIS PROJECT WHICH WOULD AFFECT UTILITIES. SHOULD ANY EXCAVATION BE REQUIRED, J.U.L.I.E. SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE - (800) 892-0123
3. THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS:

LEVELING BINDER	0.00244 MTon/M2 • mm
BIT CONC. BIND CSE.	0.00244 MTon/M2 • mm
PRIME COAT (BIT)	0.00041 MTon/M2
PRIME COAT (AGG)	0.0022 MTon/M2
4. IN ADDITION TO FIELD SURVEYS AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK. NOT ALL FIELD AND PRIVATE ENTRANCES ARE SHOWN.

DISTRICT SIX	
EXAMINED <u>January 19</u>	20 <u>06</u>
<i>Louis A. Heavens</i>	
OPERATIONS ENGINEER	
EXAMINED <u>Jan 13</u>	20 <u>06</u>
<i>W.R. Juley</i>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>January 13</u>	20 <u>06</u>
<i>William E. Horta</i>	
PROGRAM DEVELOPMENT ENGINEER	

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USES:	SURFACE	LEVEL BINDER
LOCATION		
AC/PG:	SBS PG 76-22	SBS PG 76-22
RAP% (MAX):	0%	0%
DESIGN AIR VOIDS:	4.0% @ N DESIGN = 105	4 % @ N DESIGN = 105
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5 OR 12.5
FRICTION AGGREGATE:	MIX "D"	N/A

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	GENERAL NOTES
		FAI 55 (I 55)
		SECTION (84-4(B-1))I
		SANGAMON COUNTY
		SCALE: VERT. DRAWN BY
		DATE CHECKED BY

F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55 (84-418-1)11	SANGAMON	9	3
STA. TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

URBAN

PAY CODES	ITEMS	UNITS	TOTAL	DE MISC
				100% STATE
				1000
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2
60260100	INLETS TO BE ADJUSTED	EACH	8	8
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	84	84
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	84	84
M4060085	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ M	1003	1003
M4060200	BITUMINOUS MATERIALS (PRIME COAT)	M TON	7.6	7.6
M4060300	AGGREGATE (PRIME COAT)	M TON	20.3	20.3
M4060990	TEMPORARY RAMP	SQ M	134	134
M4402700	PORTLAND CEMENT CONCRETE REMOVAL (VARIABLE DEPTH)	SQ M	8237	8237
M7800410	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B- LINE 125MM	METER	1263	1263
MX032077	POLYMER CONCRETE	CU M	1.2	1.2
MX406058	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N105	M TON	1082	1082
MX406M60	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE N105	M TON	676	676

* SPECIALTY ITEMS

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 USER NAME = baw

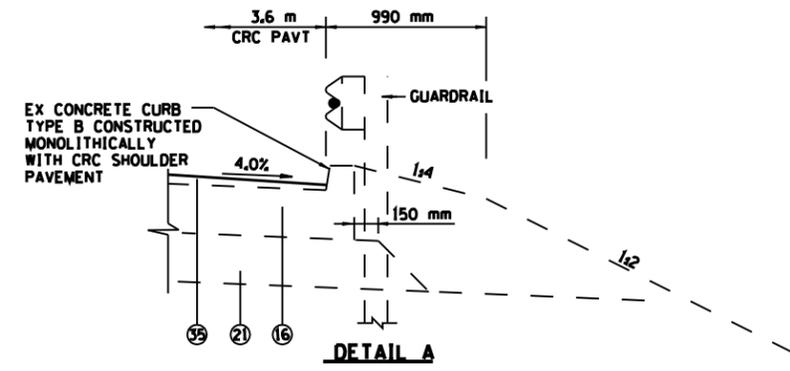
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 FAI 55
 SECTION (84-418-1)11
 SANGAMON COUNTY
 SCALE: VERT. DATE
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 CHECKED BY

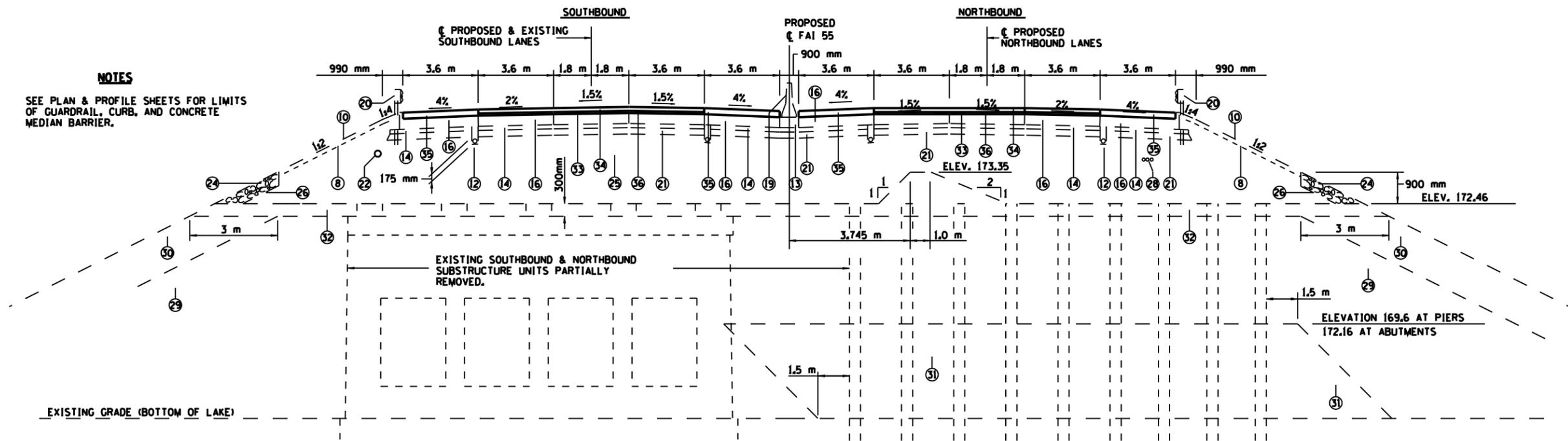
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(B4-4B-111)	SANGAMON	9	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- EXISTING LEGEND**
- ① POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE D, N90 (38 mm)
 - ② POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE N90 (VARIABLE DEPTH, MIN 44 mm)
 - ③ EXISTING PAVEMENT TO REMAIN
 - ④ EXISTING STABILIZED SHOULDER TO REMAIN
 - ⑤ BITUMINOUS SHOULDERS (VARIABLE DEPTH)
 - ⑦ BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE N70 345mm
 - ⑧ FURNISHING AND PLACING TOPSOIL, 150 mm
 - ⑨ BITUMINOUS SHOULDER 200 mm
 - ⑩ FIBER MAT
 - ⑪ NOT USED
 - ⑫ PIPE UNDERDRAINS 100 mm, SEE DETAILS
 - ⑬ PORTLAND CEMENT CONCRETE SHOULDERS - 290 mm
 - ⑭ STABILIZED SUB-BASE 100 mm
 - ⑮ GRANULAR EMBANKMENT, SPECIAL
 - ⑯ CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 290 mm
 - ⑰ AGGREGATE SHOULDER, TYPE B 150mm
 - ⑲ CONCRETE BARRIER
 - ⑳ STEEL PLATE BEAM GUARDRAIL
 - ㉑ SUB-BASE GRANULAR MATERIAL TYPE B 300 mm
 - ㉒ DUCTILE WATER MAIN 600 mm
 - ㉓ NOT USED
 - ㉔ STONE RIPRAP, CLASS A4
 - ㉕ EARTH EMBANKMENT
 - ㉖ FILTER FABRIC FOR USE WITH RIPRAP
 - ㉗ STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ㉘ ELECTRICAL CONDUIT
 - ㉙ ROCKFILL - CORE
 - ㉚ ROCKFILL - PERIMETER
 - ㉛ ROCKFILL - PROTECTION
 - ㉜ ROCKFILL - CAP

- PROPOSED LEGEND**
- ⑬ PROPOSED LEVELING BINDER (25 mm + VARIES)
 - ⑭ PROPOSED BITUMINOUS SURFACE COURSE (38 mm)
 - ⑮ PROPOSED BITUMINOUS SURFACE COURSE (VARIABLE DEPTH)
 - ⑯ PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)



NOTES
SEE PLAN & PROFILE SHEETS FOR LIMITS OF GUARDRAIL, CURB, AND CONCRETE MEDIAN BARRIER.



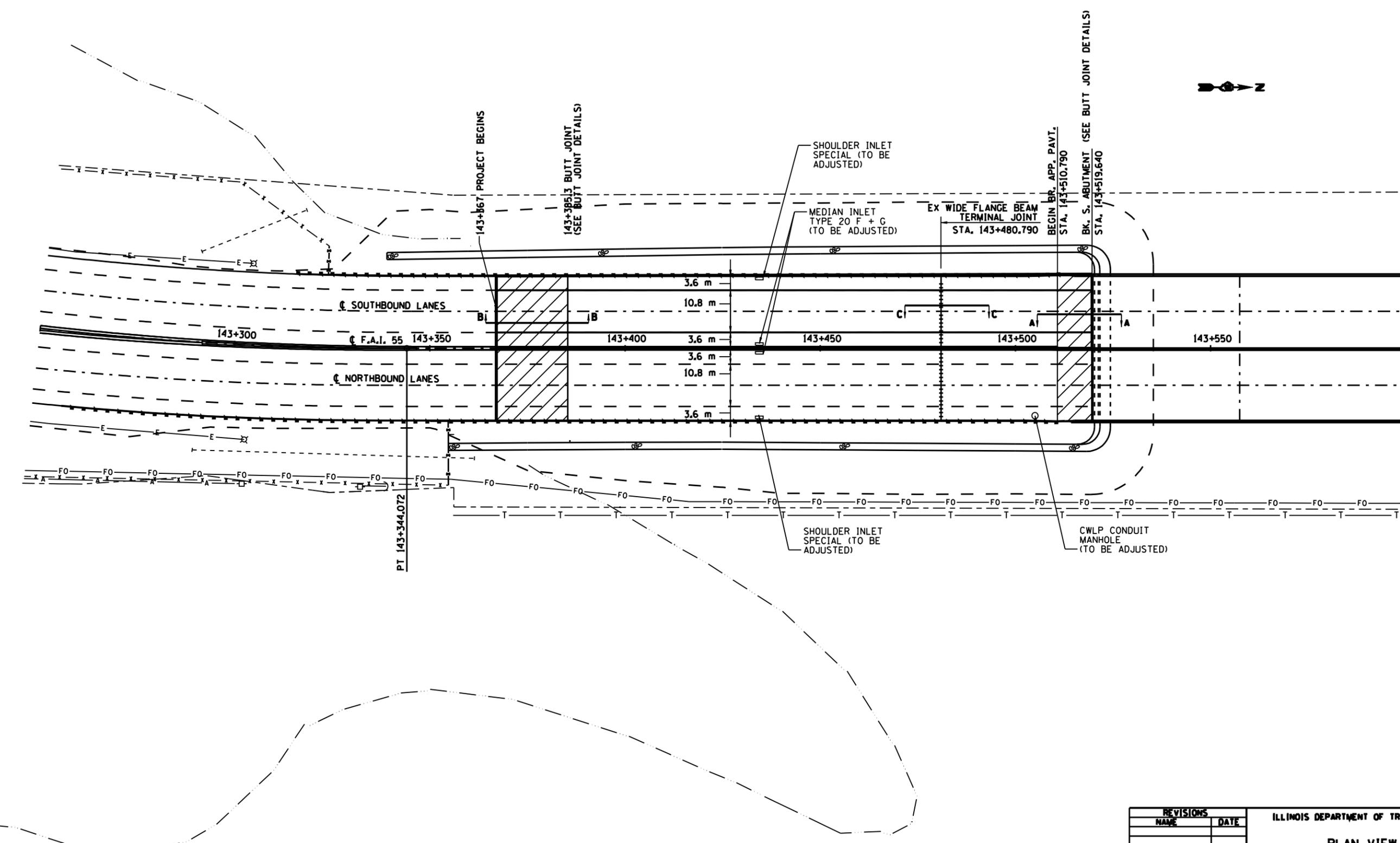
TYPICAL SECTION
BRIDGE OMISSION
STA. 143+367 TO STA. 143+840
STA 143+519.64 TO STA 143+739.7

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
FAI 55
SECTION (B4-4B-111)
SANGAMON COUNTY
SCALE: VERT. _____
HORIZ. _____
DATE _____
DRAWN BY _____
CHECKED BY _____

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-4B-111	SANGAMON	9	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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 USER NAME : laughlin

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW

F.A.I. 55
 SECTION 84-4B-111
 SANGAMON COUNTY

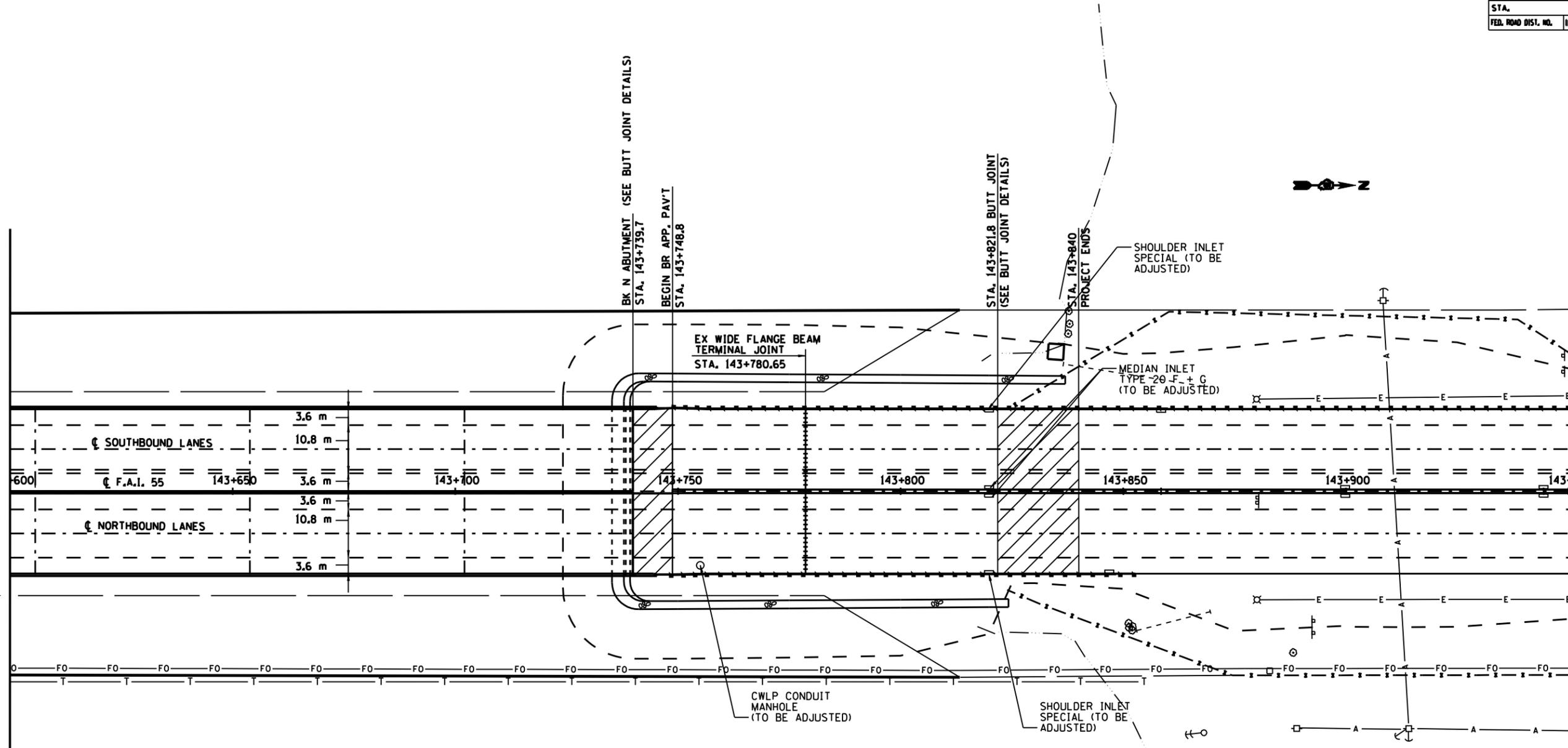
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 HORIZ. _____

DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-4B-111	SANGAMON	9	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA. 143+600



PLOT DATE : 1/20/2006
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 USER NAME : laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW

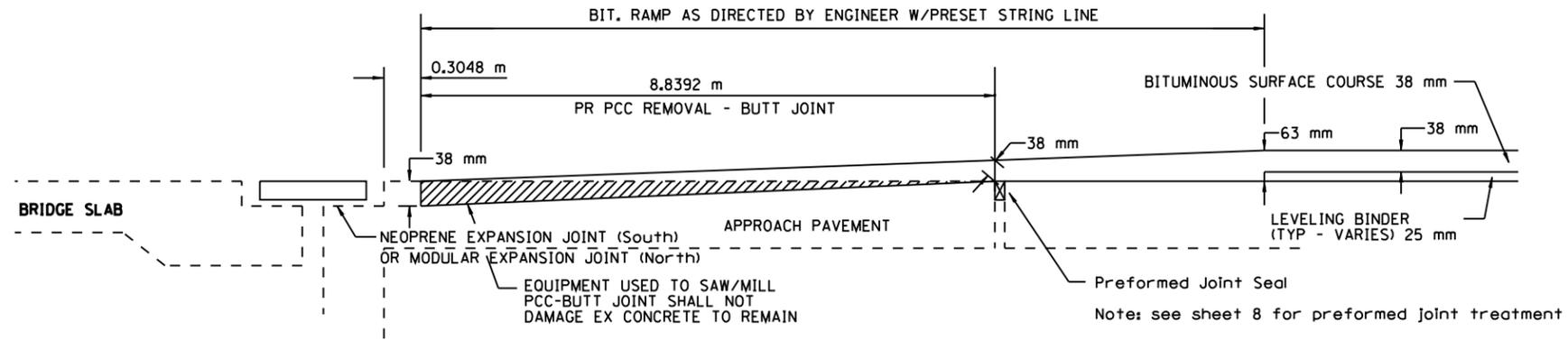
F A I 55
SECTION 84-4B-111
SANGAMON COUNTY

SCALE: VERT. _____
HORIZ. _____

DATE _____

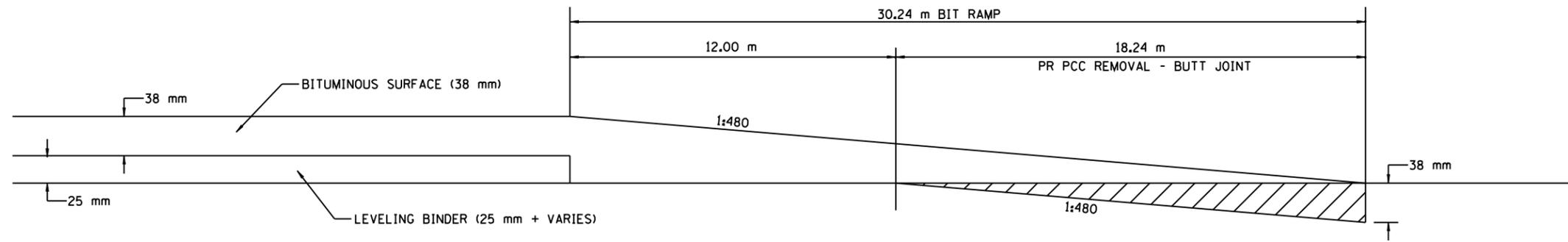
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-4B-111	SANGAMON	9	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BUTT JOINT - SECTION A-A

SAW CUTS TO BE INCLUDED WITH
PORTLAND CEMENT CONCRETE
SURFACE REMOVAL - BUTT JOINT



BUTT JOINT - SECTION B-B

PLOT DATE : 1/20/2006
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USER NAME : laughlin

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

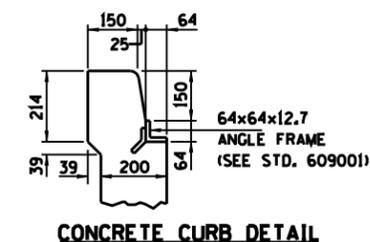
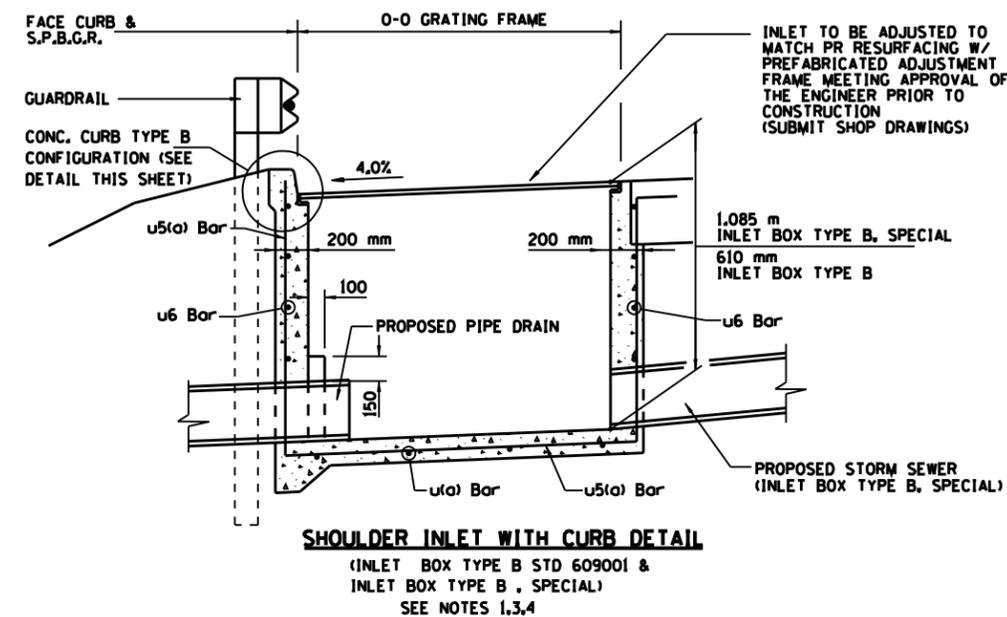
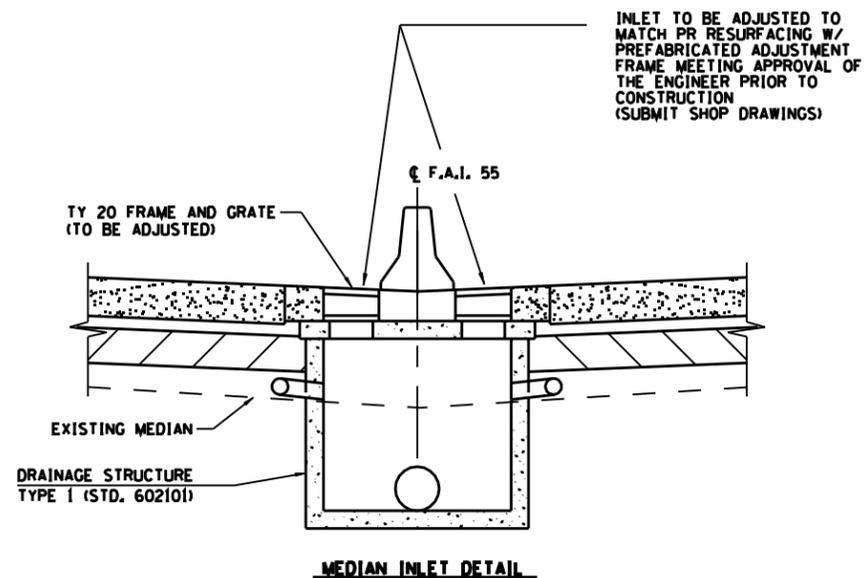
BUTT JOINT DETAIL

FBI 55
SECTION 84-4B-111
SANGAMON COUNTY

SCALE: VERT.
HORIZ.

DRAWN BY
CHECKED BY

F.A.I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-4B-1	SANGAMON	9	8
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE:
PROVIDE CURB DETAIL ON ALL TYPE B INLETS, BOTH SPECIAL AND STANDARD. CURB TO MATCH CURB ON ADJACENT SHOULDER PAVEMENT.

NOTES

1. INLET DETAILS SHOWN ARE FROM THE ORIGINAL CONSTRUCTION PLANS AND ARE PROVIDED TO SHOW INLETS TO BE ADJUSTED.
2. GRATES OF ALL SHOULDER INLETS SHALL BE MECHANICALLY FASTENED TO THE STRUCTURE TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE INLET ADJUSTMENT.
3. SEE STANDARDS FOR DIMENSIONS & DETAILS NOT SHOWN
4. CONTRACTOR IS TO VERIFY DIAMETER OF CWLP CONDUIT MANHOLE PRIOR TO CONSTRUCTION.

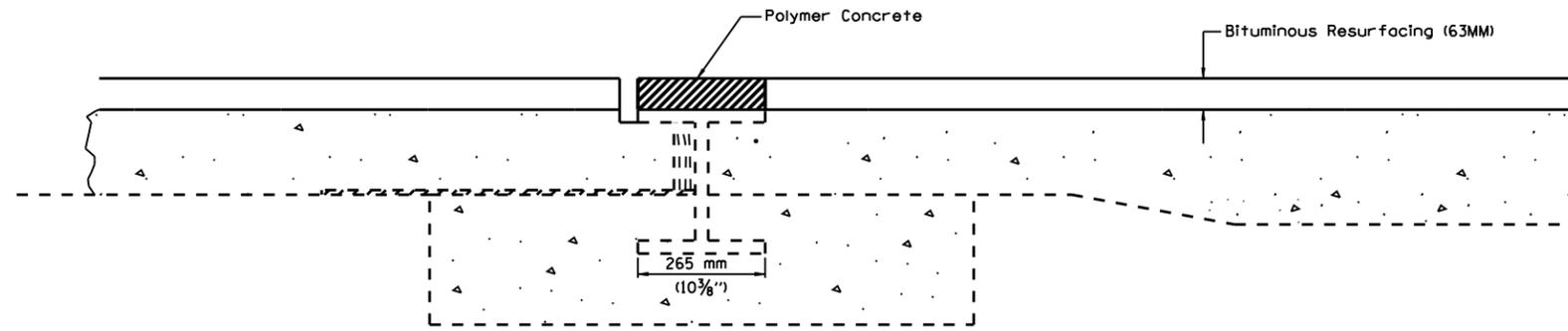
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DRAWN	DAP	04/07/00	DRAWN	CLC	06/30/00
REVIEWED	JHM	04/07/00	REVIEWED	JHM	06/30/00
1/25/2006 #125					
LAYOUT	JAD	07/06/98	LAYOUT	JAD	07/06/98
DRAWN	CLC	07/06/98	DRAWN	CLC	07/06/98
REVIEWED	JHM	07/06/98	REVIEWED	JHM	07/06/98

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 55
SECTION 84-4B-1
SANGAMON COUNTY

DRAINAGE DETAILS

JOB NO.
DATE 1/25/2006

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-4(B-11)	SANGAMON	9	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

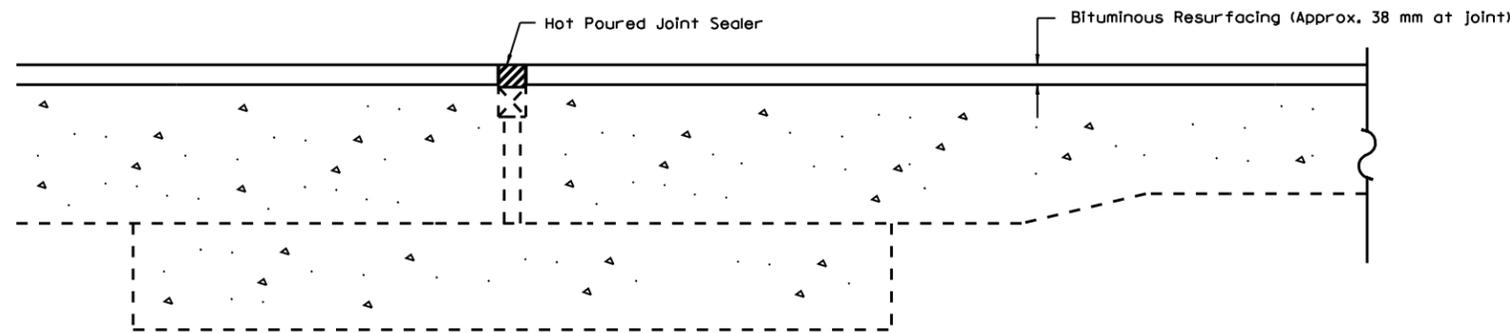


**WIDE FLANGE BEAM TERMINAL JOINT
SECTION C-C**

NOTE: CONTRACTOR TO SURFACE OVER EXISTING WIDE FLANGE BEAM TERMINAL JOINT. UPON COMPLETION OF RESURFACING, CONTRACTOR TO SAW CUT BITUMINOUS SURFACE AT THE EDGE OF THE BEAM AND AT THE EDGE OF THE EXPANSION AREA, AND REMOVE THE BITUMINOUS MATERIAL. COST TO BE INCLUDED WITH THE COST FOR PLOYMER CONCRETE.

CONTRACTOR TO BLOCK OUT EXPANSION AREA UP TO THE EDGE OF THE BEAM PRIOR TO PLACING POLYMER CONCRETE. BLOCK OUT TO BE REMOVED ONCE THE POLYMER CONCRETE HAS SUFFICIENTLY CURED.

CONTRACTOR IS TO NOTE LOCATION OF BEAM AND EXPANSION AREA PRIOR TO RESURFACING TO ALLOW EDGES OF THE BEAM TO BE IDENTIFIED FOR SAW CUT LOCATION.



**PREFORMED JOINT SEAL TREATMENT
SECTION A-A (AT PREFORMED JOINT)**

NOTE: CONTRACTOR TO SURFACE OVER EXISTING PREFORMED JOINT SEALER. UPON COMPLETION OF RESURFACING, CONTRACTOR IS TO SAW CUT AT THE EDGE OF THE PJS AND REMOVE THE BITUMINOUS MATERIAL. COST TO BE INCLUDED WITH BITUMINOUS RESURFACING ITEMS.

CONTRACTOR TO PLACE HOT Poured JOINT SEALER PER STANDARD SPECIFICATION 1050.02 OVER PJS, COST TO BE INCLUDED WITH OTHER BITUMINOUS RESURFACING ITEMS.

CONTRACTOR IS TO NOTE LOCATION OF PREFORMED JOINT SEAL PRIOR TO RESURFACING TO ALLOW EDGES TO BE IDENTIFIED FOR SAW CUT LOCATION.

PLOT DATE : 04/25/05
FILE NAME : 071111.dwg
PLOT SCALE : 1:1
USER NAME : JUSHER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

JOINT DETAILS

FAI 55
SECTION 84-4(B-11)
SANGAMON COUNTY

SCALE: VERT.
HORIZ.

DRAWN BY
CHECKED BY