

72A08

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-4(B-1))	SANGAMON	8	1

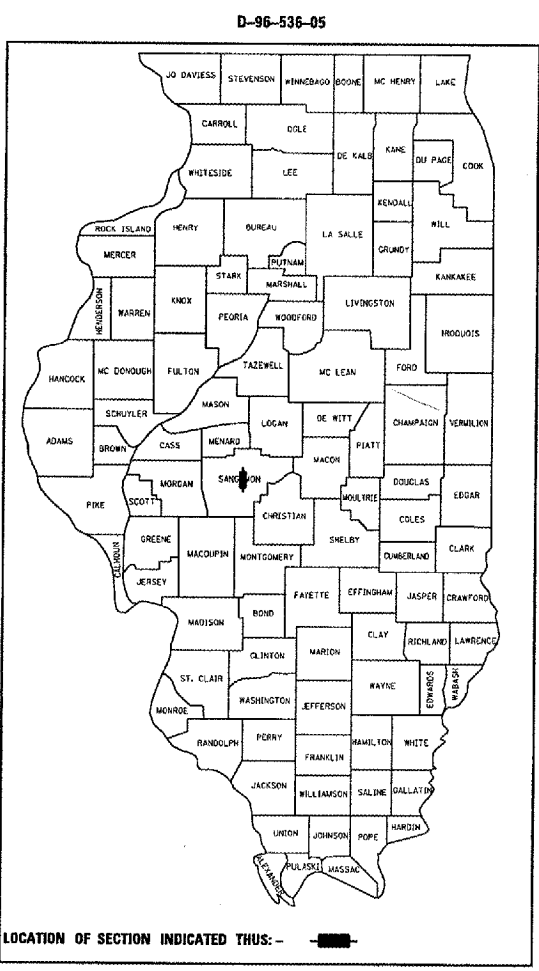
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF STANDARDS, SEE SHEET NO. 2

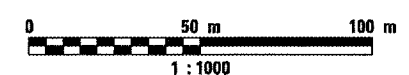
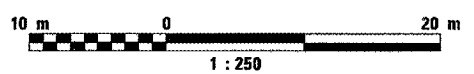
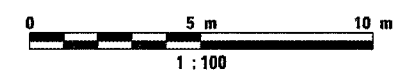
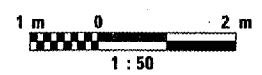
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

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



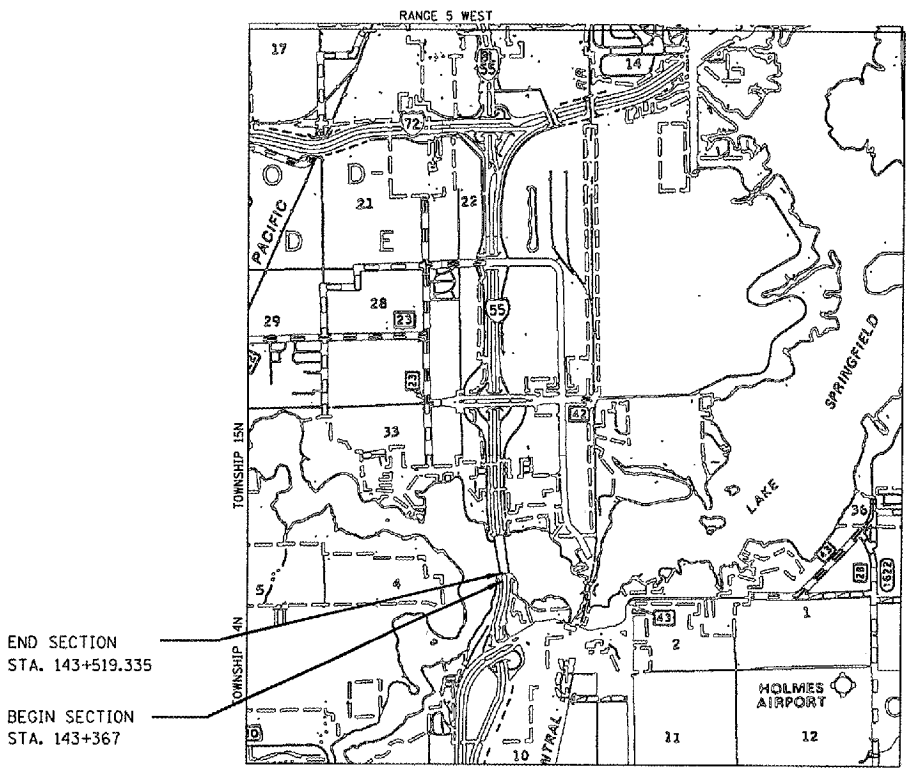
METRIC RATIOS



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



LENGTH OF SECTION

NET LENGTH OF SECTION 84-4(B-1) 152.64 METERS 0.15264 KM

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 27, 2005
Chris M. Reed
DISTRICT ENGINEER

July 1, 2005
Mike Hene
ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 2005
Victor Mader
DIRECTOR, DIVISION OF HIGHWAYS

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

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	184-4(B-1)I	SANGAMON	8	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	PLAN VIEW
6	BUTT JOINT DETAILS
7	DRAINAGE DETAILS
8	JOINT DETAILS
9-11	Deleted

LIST OF STANDARDS

000001-04
604071-02
630001-05
701101-01
701106-01
701400-02
701426-02
701446
702001-05
780001-01
781001-02
701401-03
701411-03

DISTRICT SIX	
EXAMINED	<u>Louis J. Haas</u> 20 <u>05</u> AAW
OPERATIONS ENGINEER	
EXAMINED	<u>William R. Frey</u> 20 <u>05</u> AESB
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED	<u>Max 27</u> 20 <u>05</u> <u>William E. Motta</u>
PROGRAM DEVELOPMENT ENGINEER	

GENERAL NOTES:

- ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS INCLUDED IN THE PLANS.
- 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
- THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS:

LEVELING BINDER	<u>0.00244 MTon/M²mm</u>
BIT CONC. BIND CSE.	<u>0.00244 MTon/M²mm</u>
PRIME COAT (BIT)	<u>0.00041 MTon/M²</u>
PRIME COAT (AGG)	<u>0.0022 MTon/M²</u>
- 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.

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	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
 FAI 55 (I 55)
 SECTION (84-4(B-1)I)
 SANGAMON COUNTY

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

Rev.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	184-4(B-111)	SANGAMON	8	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAY CODES	ITEMS	UNITS	TOTAL	URBAN
				DE MISC 100% STATE
				1000
60260100	INLETS TO BE ADJUSTED	EACH	2	2
67100100	MOBILIZATION	L SUM	1	1
70100305	TRAFFIC CONTROL AND PROTECTION, STANDARD 701400	L SUM	1	1
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	14	14
M4060085	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ M	501.7	501.7
M4060200	BITUMINOUS MATERIALS (PRIME COAT)	M TON	2.3	2.3
M4060300	AGGREGATE (PRIME COAT)	M TON	6.1	6.1
M7800410	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B- LINE 125MM	METER	385	385
MX406058	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N105	M TON	258.4	258.4
M4060990	TEMPORARY RAMP	SQ M	56	56
MX406M60	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE N105	M TON	170.0	170.0
MX032077	POLYMER CONCRETE	CU M	0.30	0.30
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
X7011420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	L SUM	1	1

PLOT DATE = 5/27/2005
 PLOT SCALE = 1/8" = 1' 0"
 USER NAME = bby

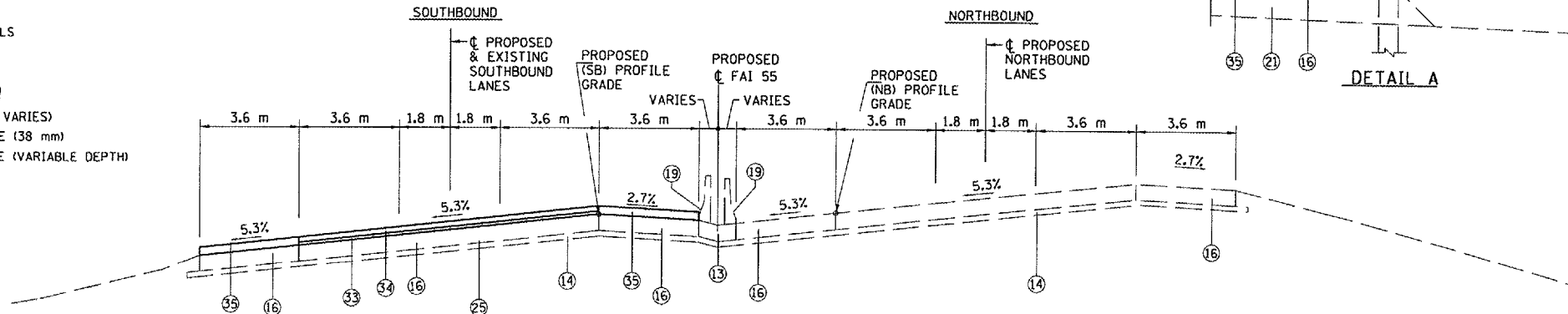
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 FAI 55
 SECTION 184-4(B-111)
 SANGAMON COUNTY
 SCALE: VERT. DATE
 HORIZ. DRAWN BY
 CHECKED BY

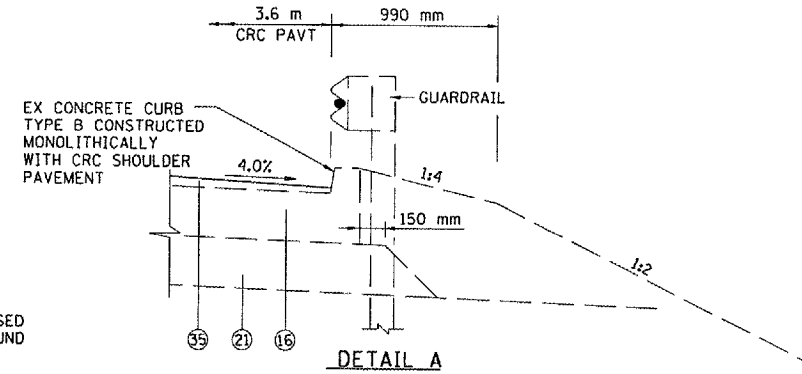
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-4(B)-1)I	SANGAMON	8	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- 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
 - ⑱ 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)

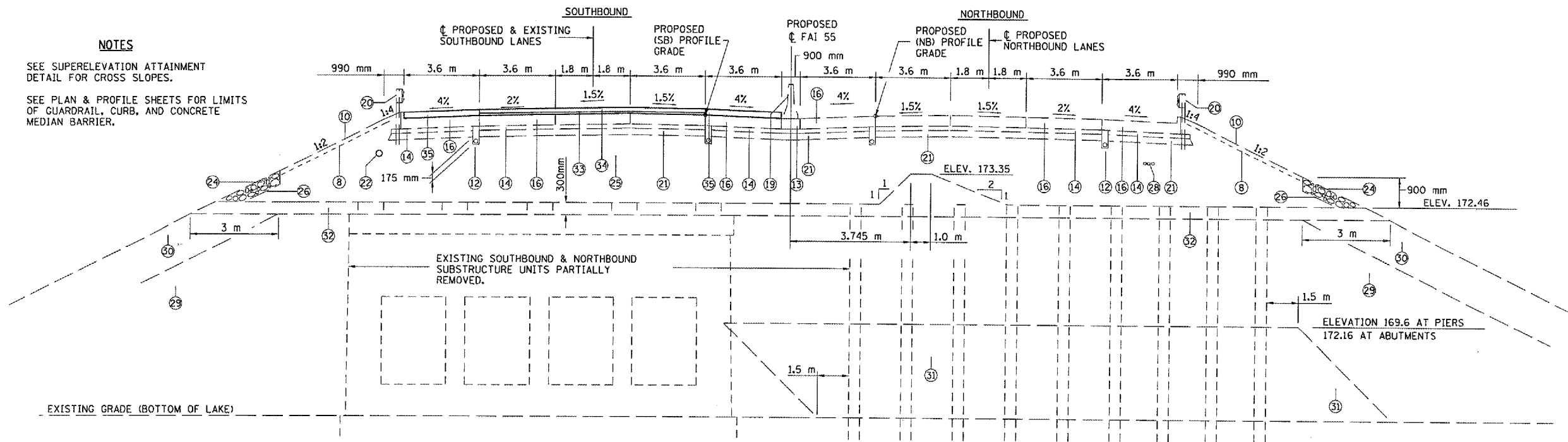


TYPICAL SECTION
STA. 143+367.000 TO STA. 143+354.747 (SB)



NOTES

SEE SUPERELEVATION ATTAINMENT DETAIL FOR CROSS SLOPES.
SEE PLAN & PROFILE SHEETS FOR LIMITS OF GUARDRAIL, CURB, AND CONCRETE MEDIAN BARRIER.



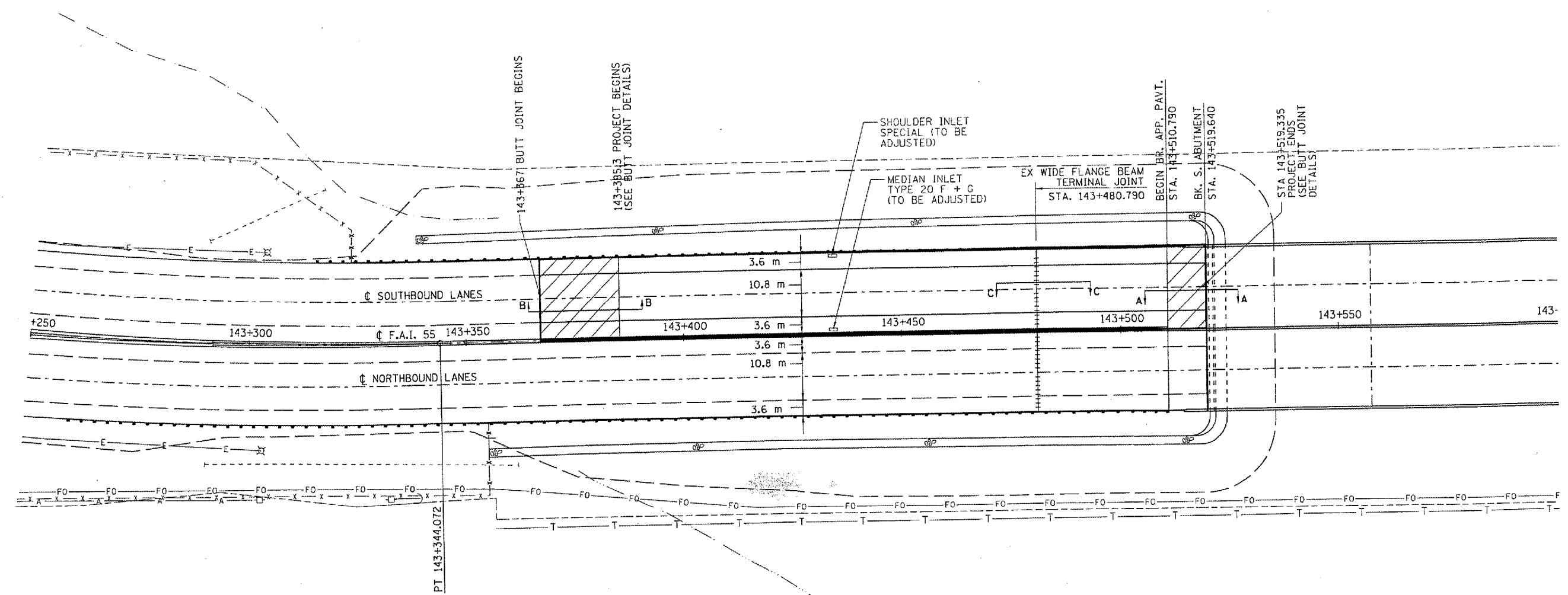
TYPICAL SECTION
STA. 143+354.747 TO STA. 143+519.79

BRIDGE APPROACH PAVEMENT OMISSION
STA 143+510.790 TO STA 143+519.790

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
FAI 55
SECTION (84-4(B)-1)I
SANGAMON COUNTY
SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY _____
CHECKED BY _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-4(B-1)	SANGAMON	8	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



PLOT DATE = 6/16/2005
 FILE NAME = C:\Users\james\Documents\72A08.dgn
 USER NAME = bau

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

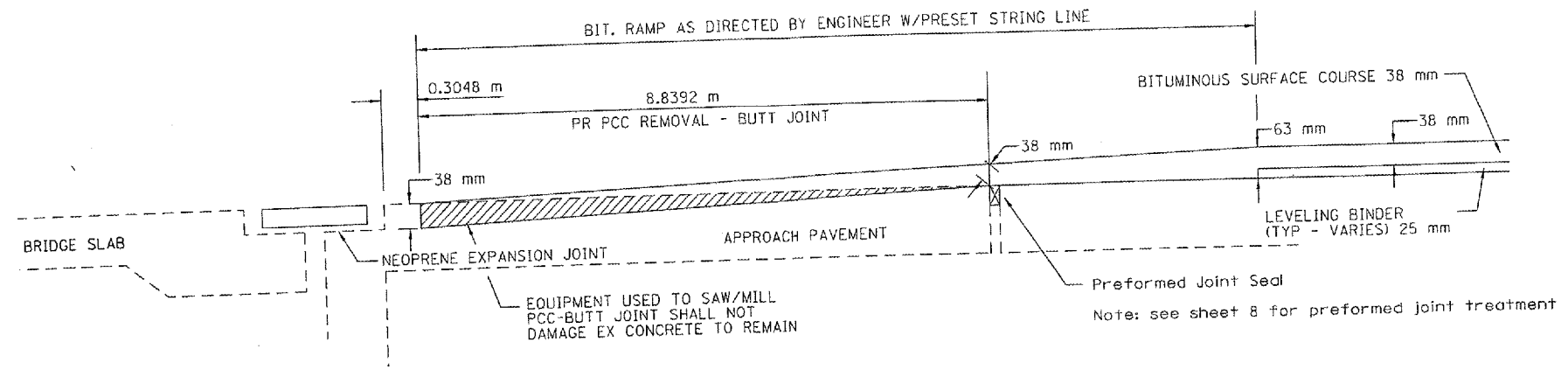
PLAN VIEW

FAI 55
 SECTION 84-4(B-1)
 SANGAMON COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

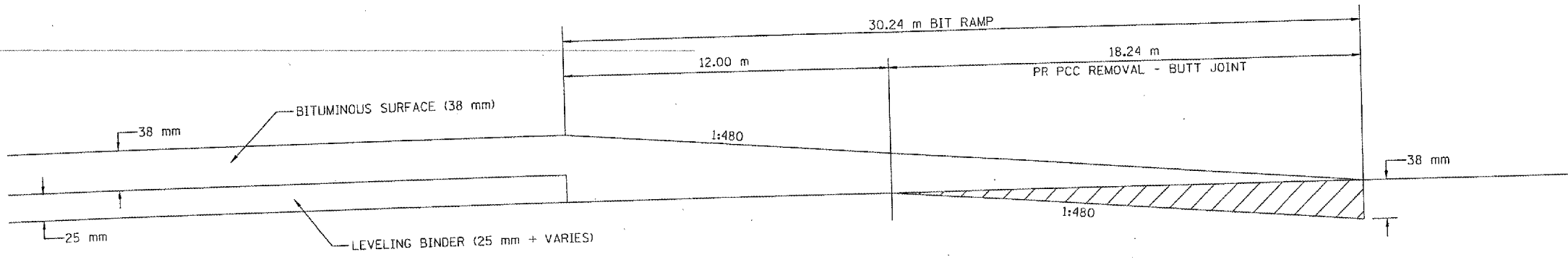
DRAWN BY _____
 CHECKED BY _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-4(B-1)I	SANGAMON	8	6
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

PLT DATE: 6/15/2005
 FILE NAME: c:\p\projects\72a08\84-4(b-1)i\wp3.dgn
 PLOT SCALE: 1/8" = 1' 0"
 USER: NAME

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAIL

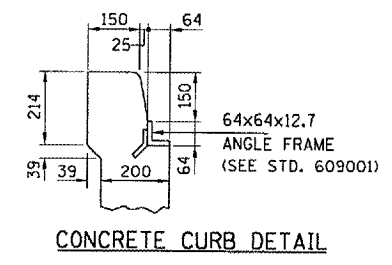
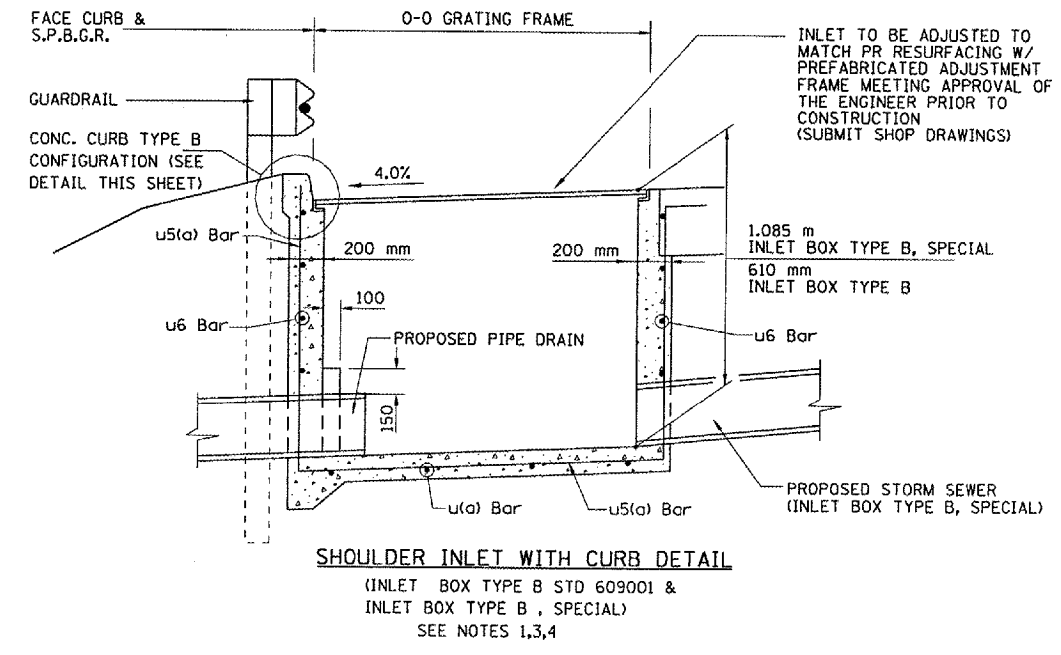
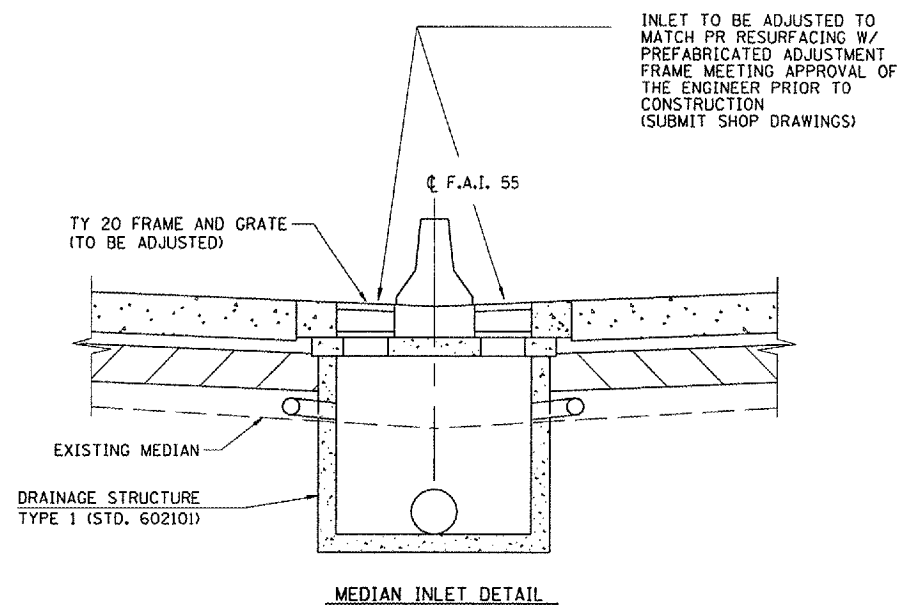
FAT 55
 SECTION 84-4(B-1)I
 SANGAMON COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

72908

F.A.I. PREL.	SECTION	COUNTY	DIST. SHEETS	SHEET NO.
55	84-4B-1	SANGAMON	8	7
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

LAYOUT	DRWN	JMD	04/20/05
REVIEWED	C.L.C.	06/20/05	
LAYOUT	DRWN	JMD	06/20/05
REVIEWED	C.L.C.	06/20/05	
LAYOUT	DRWN	N.H. JMD	07/06/98
REVIEWED	C.L.C.	07/06/98	

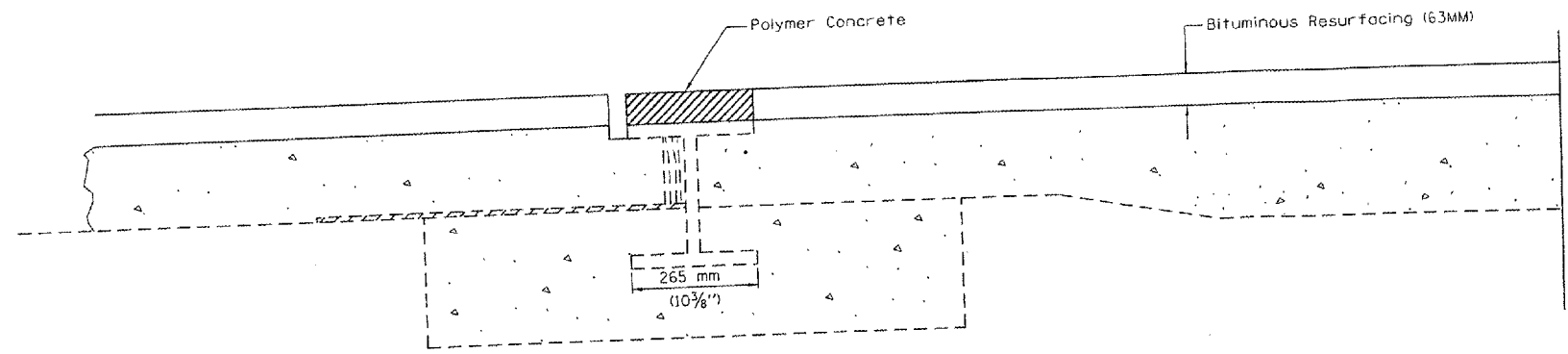
6/27/2005
P/LEA

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

DRAINAGE DETAILS

JOB NO.
DATE
5/27/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
55	84-4(B)-111	SANGAMON	8	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

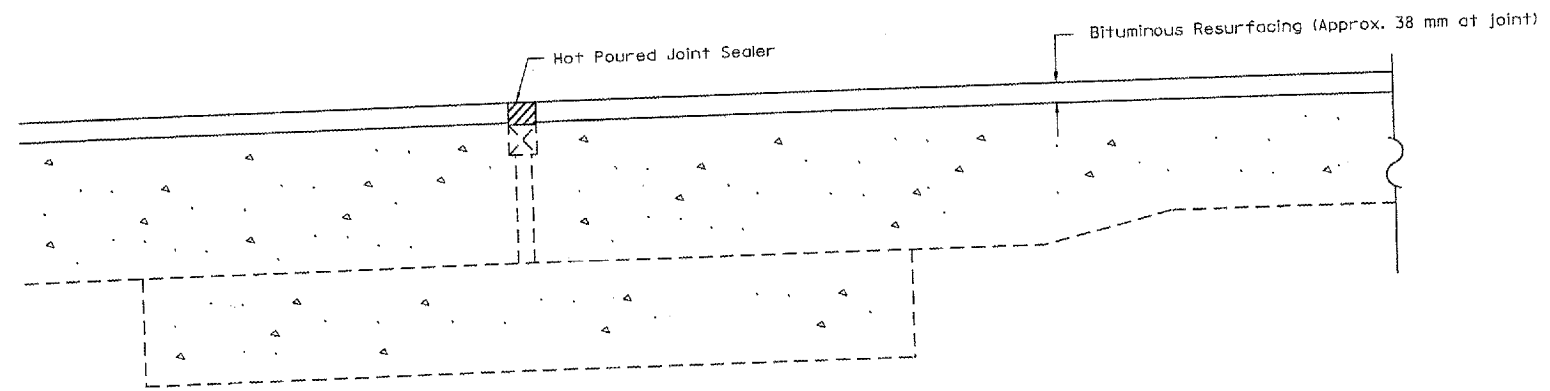


WIDE FLANGE BEAM TERMINAL JOINT
SECTION C-C

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 = 6/16/2005
FILE NAME = c:\projects\72a08\detail.dgn
PLOT SCALE = 23.735 m / in.
USER NAME = bblj

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

JOINT DETAILS

FAI 55
SECTION 84-4(B)-111
SANGAMON COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
CHECKED BY _____