

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	1

\* (57-21B&57-22B)&BDR

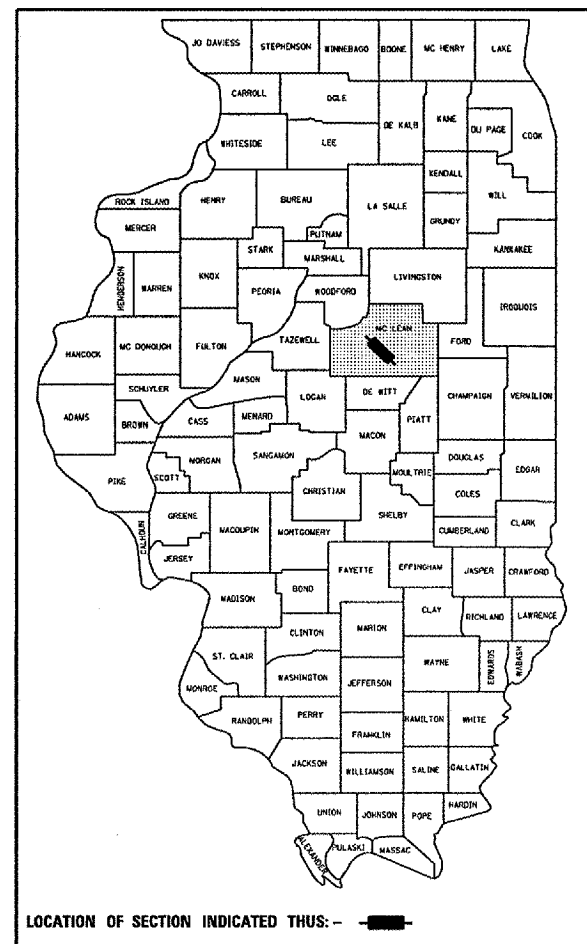
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

**F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY**

D-95-011-07



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

C-95-011-07

(BRIDGE DECK REPAIRS) LITTLE KICKAPOO CREEK  
1.1 MI, 5.9 MI & 7.6 MI EAST OF US 51



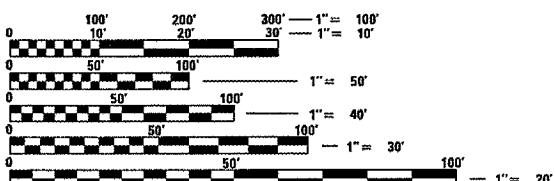
CURRENT TRAFFIC DATA		
	LEG "A"	LEG "B"
CURRENT ADT	16,500	18,400
20 YR ADT	25,900	27,000
PU & PC %	58.1	62.1
SU %	5.5	5.1
MU %	36.4	32.8

**DESIGN DESIGNATION**  
NA

STRUCTURE NO. 057-0120 (EB)  
STRUCTURE NO. 057-0121 (WB)  
SECTION 57-21B  
STA 779+67.64 TO STA 781+29.22

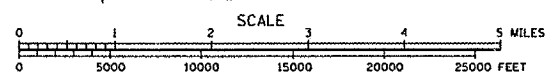
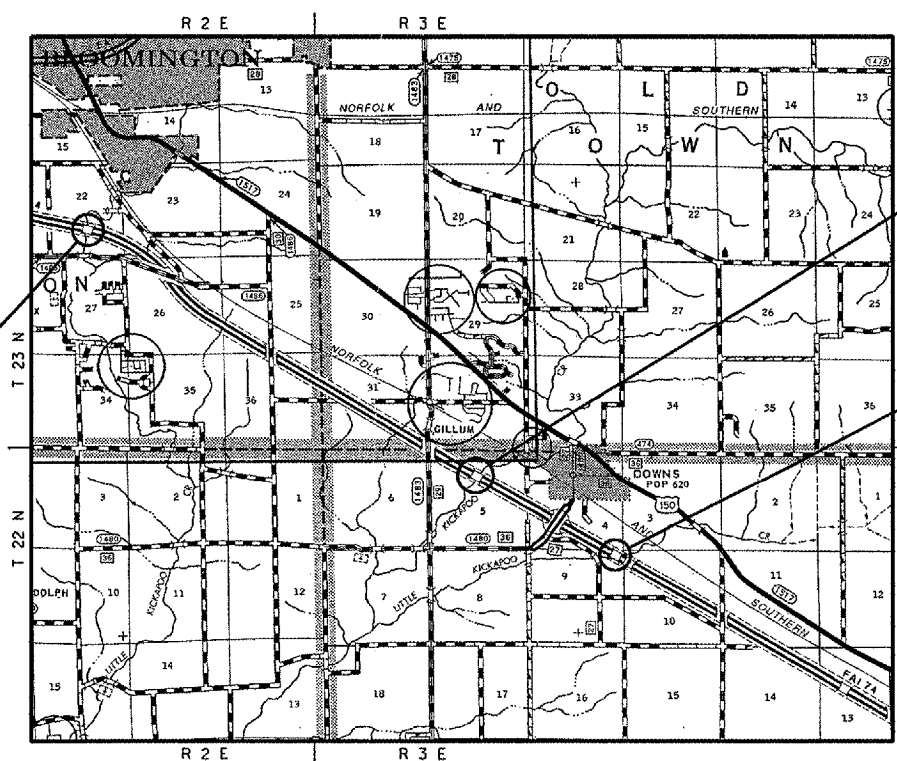
STRUCTURE NO. 057-0126 (WB)  
SECTION 57-22B  
STA 1038+04.25 TO 1039+95.75

STRUCTURE NO. 057-0129 (WB)  
SECTION 57-22B-1  
STA 1126+76.21 TO 1127+85.71



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



TOTAL LENGTH OF SECTION & PROJECT = 624.16 FEET = 0.118 MILES  
NET LENGTH OF SECTION & PROJECT = 624.16 FEET = 0.118 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED MARCH 30, 2007  
*Joseph E. Lowe Jr.*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

May 11, 2007  
*Eric E. Harn*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 11, 2007  
*Milton R. Sees, P.E.*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

CONTRACT NO. 70641

PROJECT ENGINEER: TIM BRANDENBURG (217)465-4181  
SQUAD LEADER: JEFF SHERER  
DESIGNER: RANDY AUSTIN

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	2

\* (57-218&amp;57-22B)&amp;BOR

## INDEX OF SHEETS

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7-8	STAGE CONSTRUCTION SN 057-0120
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10	LOCATION OF DRAINS SN 057-0120
11	DECK DRAIN REPAIR SN 057-0120
12	N. & SO. ABUTMENT JOINT DETAILS SN 057-0120
13	GENERAL PLAN SN 057-0121
14	EXISTING & PROPOSED TYPICAL CROSS SECTION SN 057-0121
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17	LOCATION OF FULL DEPTH PATCHING SN 057-0121
18	LOCATION OF DRAINS SN 057-0121
19	DECK DRAIN REPAIR SN 057-0121
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21	GENERAL PLAN SN 057-0126
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25	LOCATION OF FULL DEPTH PATCHING SN 057-0126
26	LOCATION OF DRAINS SN 057-0126
27	DECK DRAIN REPAIR SN 057-0126
28	N. & SO. ABUTMENT JOINT DETAILS SN 057-0126
29	GENERAL PLAN SN 057-0129
30	EXISTING & PROPOSED TYPICAL CROSS SECTION SN 057-0129
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34	LOCATION OF DRAINS SN 057-0129
35-36	JOINT REPAIR AT EAST ABUTMENT SN 057-0129
37-38	JOINT REPAIR AT WEST ABUTMENT SN 057-0129
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40	FLOOR DRAIN EXTENSION SN 057-0129
41	DETAIL FOR ANCHORAGE OF POST SN 057-0129
42	BAR SPLICER ASSEMBLY DETAILS SN 057-0129
43-46	WIDTH RESTRICTION SIGNING DETAILS (STAGE I ONLY)
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## HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-01	AREAS OF REINFORCEMENT REBARS
001006	DECIMAL OF AN INCH AND OF A FOOT
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
701400-02	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
701402-05	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
701406-04	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
701426-02	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
702001-06	TRAFFIC CONTROL DEVICES
704001-03	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	3

\* (57-21B&57-22B)&BDR

## GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR A CHANGE IN SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

G. N. -100  
 ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G. N. -406  
 THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G. N. -406H

### MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	SN 057-0120, SN 057-0121, SN 057-0126, SN 057-0129 on I-74 in McLean County
Mixture Use(s):	Surface
AC/PG:	SBS PG 70-22
RAP %: (Max)**	10%
Design Air Voids:	4.0% @ Ndes = 90
Mixture Composition: (Gradation Mixture)	IL 9.5
Friction Aggregate:	Mix D

G. N. -703A  
 SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TEM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	4

\* (57-21B&57-22B)&BDR

# SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAI 74  
SECTION (57-21B & 57-22B) & BDR  
MCLEAN COUNTY

CODE NO	ITEM	CONSTRUCTION TYPE CODE:	UNIT	TOTAL QUANTITY	S.N. 057-0120	S.N. 057-0121	S.N. 057-0126	S.N. 057-0129
					100% STATE SFTY-2A	100% STATE SFTY-2A	100% STATE SFTY-2A	100% STATE SFTY-2A
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)		GALLON	258.0	67.0	67.0	80.0	44.0
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90		TON	311.0	94.0	94.0	79.0	44.0
44000915	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)		SQ YD	2,581.0	670.0	670.0	800.0	441.0
50102400	CONCRETE REMOVAL		CU YD	23.7	0.0	0.0	0.0	23.7
50300255	CONCRETE SUPERSTRUCTURE		CU YD	23.7	0.0	0.0	0.0	23.7
50300530	FLOOR DRAIN EXTENSION		EACH	24.0	0.0	0.0	0.0	24.0
50800205	REINFORCEMENT BARS, EPOXY COATED		POUND	3,390.0	0.0	0.0	0.0	3,390.0
50800515	BAR SPLICERS		EACH	24.0	0.0	0.0	0.0	24.0
67100100	MOBILIZATION		L SUM	1.0	0.25	0.25	0.25	0.25
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402		EACH	4.0	1.0	1.0	1.0	1.0
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406		L SUM	1.0	0.25	0.25	0.25	0.25
70400100	TEMPORARY CONCRETE BARRIER		FOOT	1,812.5	475.0	450.0	487.5	400.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER		FOOT	1,837.5	462.5	462.5	500.0	412.5
78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"		FOOT	201.0	52.0	52.0	63.0	34.0
X0320887	POLYMER CONCRETE		CU FT	6.4	0.0	0.0	0.0	6.4
X0321468	PLUG EXISTING DECK DRAINS		EACH	70.0	12.0	12.0	36.0	10.0
X0322932	SILICONE JOINT SEALER, 1.5"		FOOT	86.0	0.0	0.0	0.0	86.0
X0323076	SILICONE JOINT SEALER, 1 3/4"		FOOT	80.0	0.0	0.0	80.0	0.0
X0323077	SILICONE JOINT SEALER, 2 3/4"		FOOT	160.0	80.0	80.0	0.0	0.0
X7015005	CHANGEABLE MESSAGE SIGN		CAL DA	28.0	28.0	0.0	0.0	0.0
* X7200201	WIDTH RESTRICTION SIGNING		L SUM	1.0	0.25	0.25	0.25	0.25
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)		SQ YD	64.0	10.0	16.0	27.0	11.0
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)		SQ YD	362.0	32.0	91.0	179.0	60.0
Z0016200	DECK SLAB REPAIR (PARTIAL)		SQ YD	340.0	87.0	87.0	100.0	66.0
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		EACH	4.0	1.0	1.0	1.0	1.0
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3		EACH	4.0	1.0	1.0	1.0	1.0

\*SPECIALTY ITEM

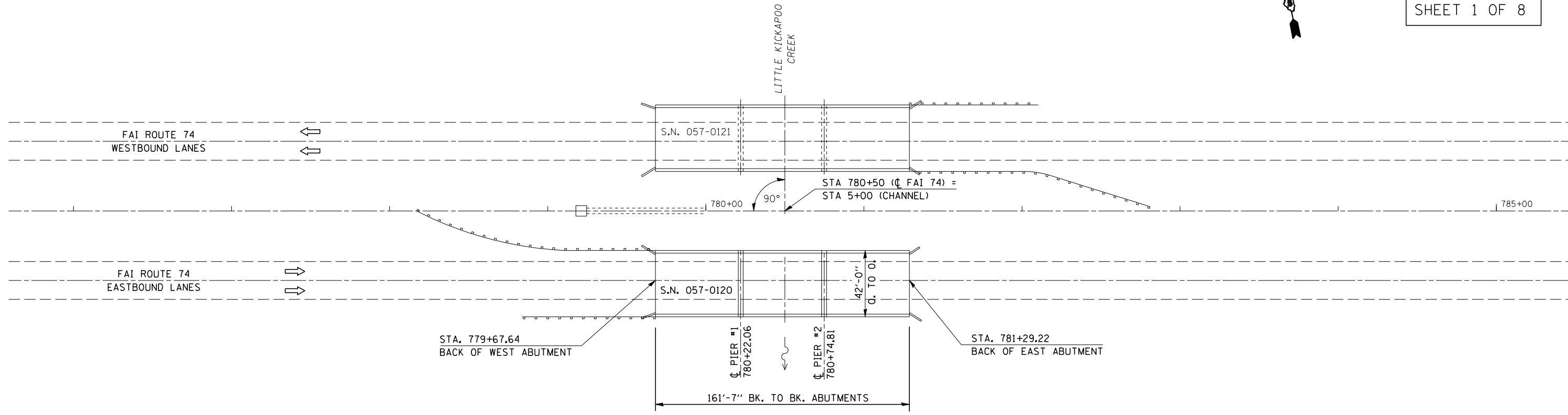
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	5
STA. 776+00		TO STA. 785+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

\* (57-21B&57-22B)&BDR

SHEET 1 OF 8

# GENERAL PLAN

## S.N. 057-0120



PLAN VIEW  
S. N. 057-0120 E. B.

### BILL OF MATERIALS

ITEM	UNITS	QUANTITY
POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	67.0
HOT-MIX ASPHALT REMOVAL (DECK)	SQ YD	670.0
PLUG EXISTING DECK DRAINS	EACH	12.0
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90,	TON	94.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	32.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	87.0
SILICONE JOINT SEALER, 2 3/4"	FOOT	80.0

### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE THE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE CONTRACT UNIT PRICE FOR THE WORK.

THE DECK SLAB REPAIR (PARTIAL & FULL DEPTH) QUANTITY IS ESTIMATED AND THE ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER AFTER THE HOT-MIX ASPHALT OVERLAY AND WATERPROOFING ARE REMOVED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS ON SHEET 5 OF 8.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
GENERAL PLAN  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0120

SCALE: 1" = 30'  
DATE: 03/22/07

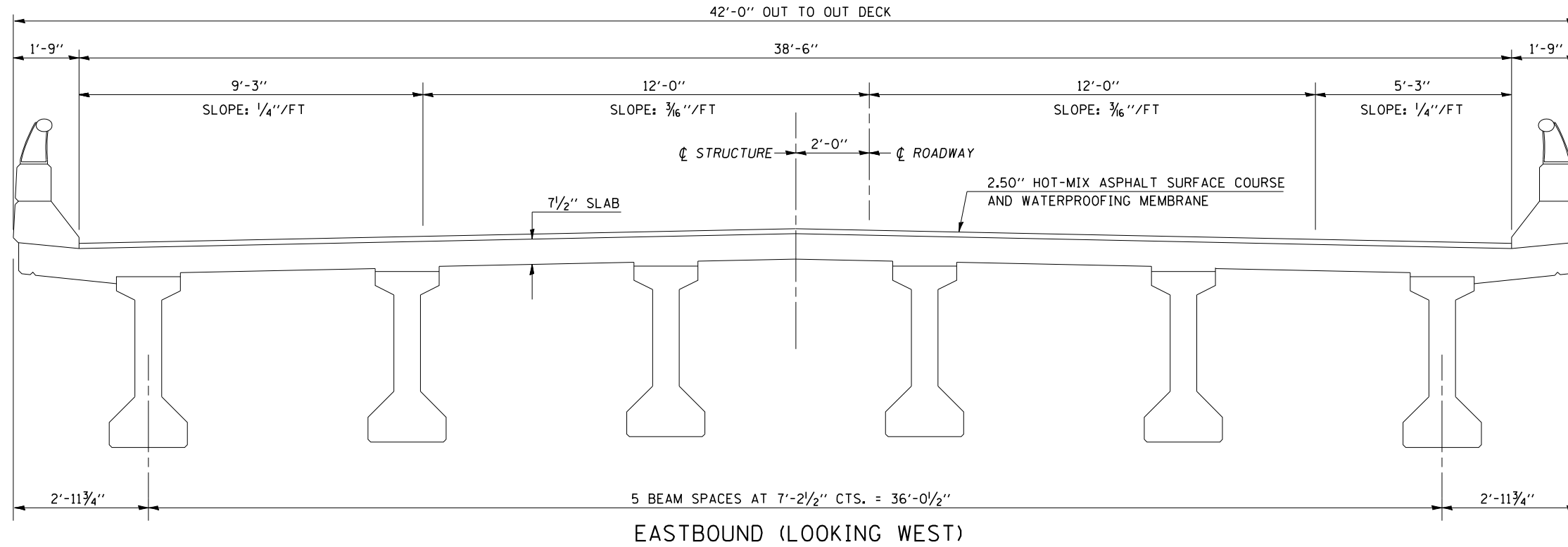
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CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	6

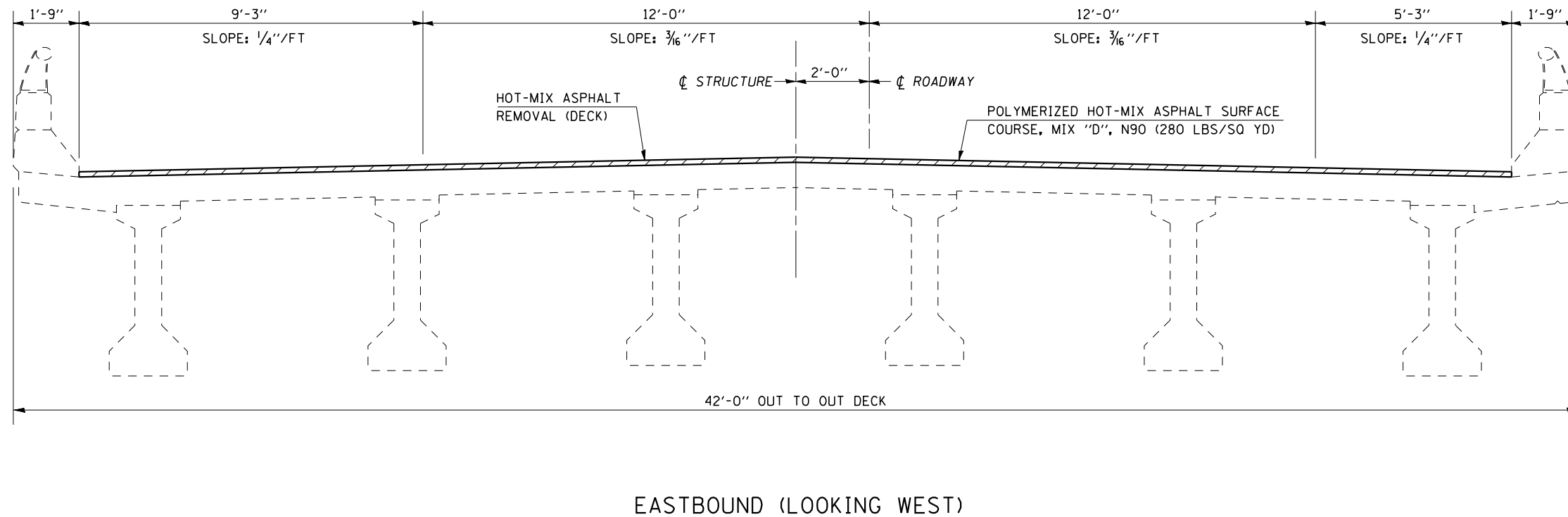
\* (57-21B&57-22B)&BDR

SHEET 2 OF 8

**EXISTING TYPICAL CROSS SECTION**  
**S.N. 057-0120**



**PROPOSED TYPICAL CROSS SECTION**  
**S.N. 057-0120**



ILLINOIS DEPARTMENT OF TRANSPORTATION  
TYPICAL CROSS SECTION  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0120  
SCALE: NA DRAWN BY: JRP  
DATE: 03/22/07 CHECKED BY:

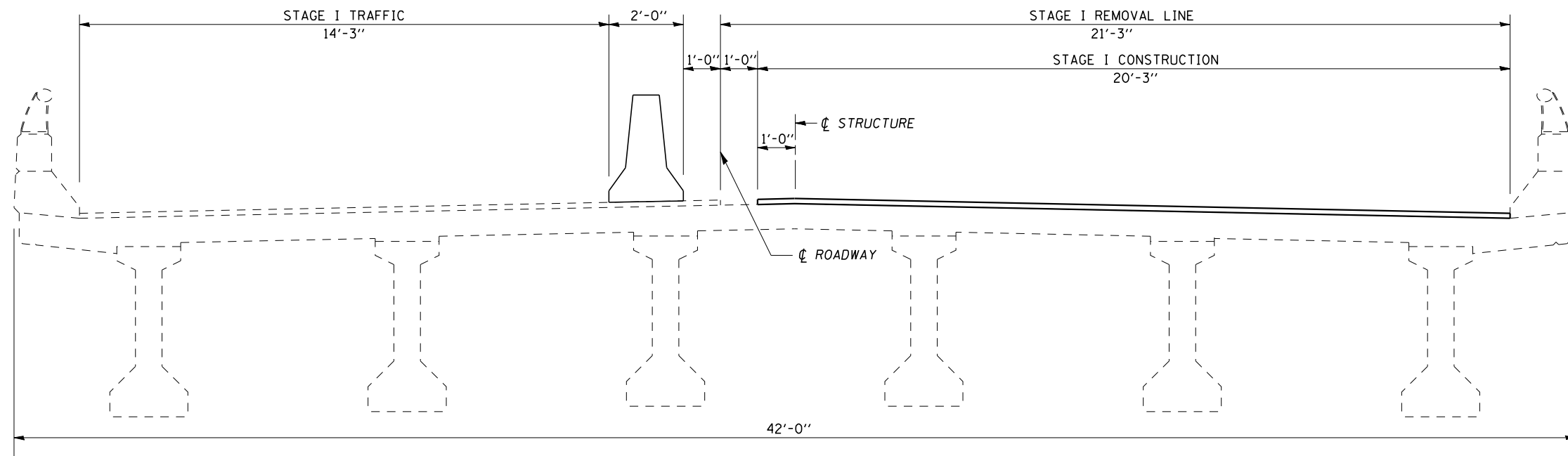
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	7

\* (57-21B&57-22B)&BDR

SHEET 3 OF 8

### STAGE I CONSTRUCTION

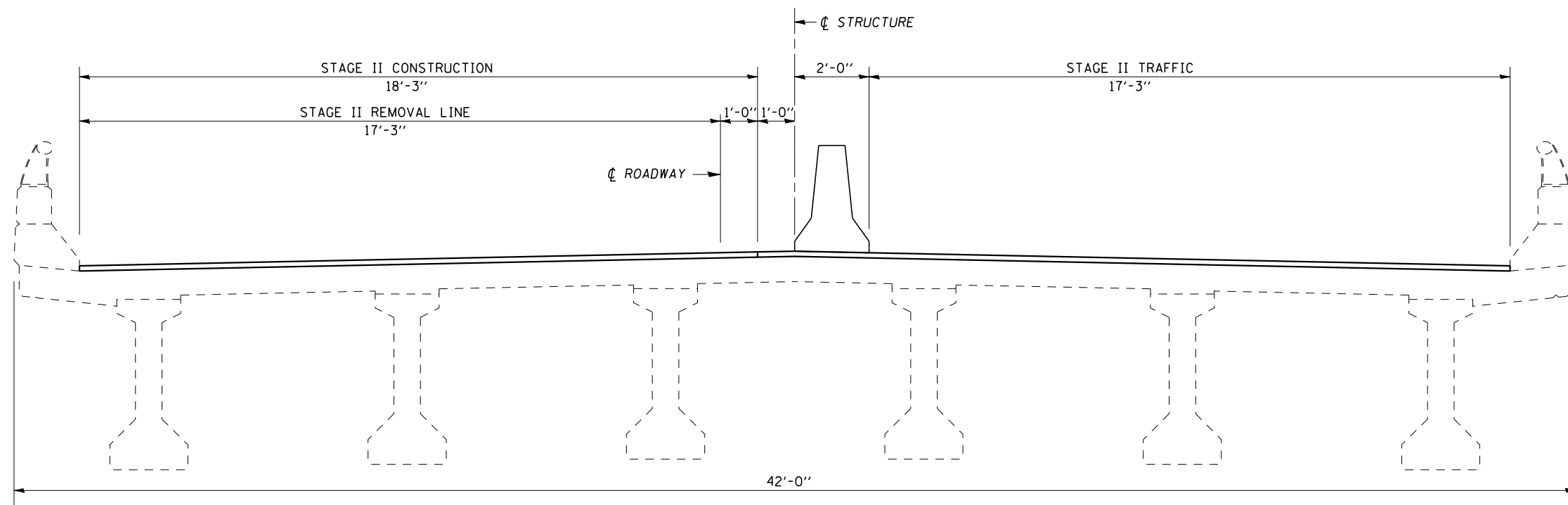
S.N. 057-0120



EASTBOUND (LOOKING EAST)

### STAGE II CONSTRUCTION

S.N. 057-0120



EASTBOUND (LOOKING EAST)

PLOT DATE : 3/26/2007  
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 PLOT SCALE : 1/8"=1'-0" / IN.  
 USER NAME : creigre

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**STAGE CONSTRUCTION**  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 MCLEAN COUNTY  
 S.N. 057-0120

SCALE: NA DRAWN BY: JRP  
 DATE: 03/22/07 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	8

\* (57-21B&57-22B)&BDR

SHEET 4 OF 8

**PLAN NOTES:**

ALL STAGING DETAILS SET UP IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION 701402.

PRIOR TO BARRIER PLACEMENT TRAFFIC CONTROL SHALL BE SET UP IN ACCORDANCE WITH STANDARD 701406.

TRAFFIC CONTROL DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400 AND 701402.

MESSAGE BOARD SHALL BE PLACED TWO WEEKS PRIOR TO CONSTRUCTION AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

RESIDENT ENGINEER AND TRAFFIC CONTROL SUPERVISOR SHALL PROVIDE APPROPRIATE MESSAGE FOR CMS.

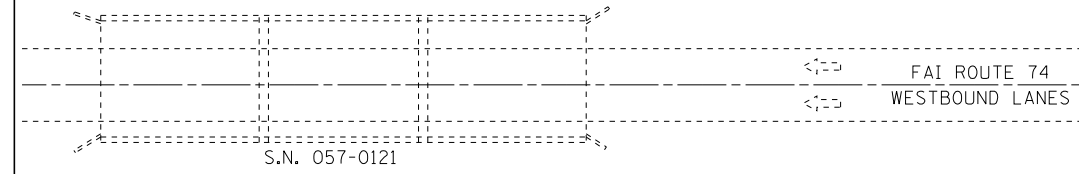
RAISED REFLECTIVE PAVEMENT MARKERS AFFECTED BY THE PROPOSED CONSTRUCTION SHALL BE REPLACED. THIS COST SHALL BE INCIDENTAL TO THE VARIOUS TRAFFIC CONTROL PAY ITEMS.

REFLECTORS AND VERTICAL PANELS FOR BARRIER WALL, BRIDGE RAIL AND GUARDRAIL SHALL BE INCLUDED IN THE COST FOR THE APPLICABLE TRAFFIC CONTROL PAY ITEMS.

ATTACH VERTICAL PANELS TO THE LEFT GUARDRAIL AT 25 FOOT CENTERS DURING STAGE II. THIS COST WILL BE INCIDENTAL TO STANDARD 701402.

REFLECTORIZED TEMPORARY MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE EDGE LINE SHALL BE YELLOW FOR LEFT LANE CLOSURES. COST FOR THE PLACEMENT AND REMOVAL SHALL BE INCLUDED IN COST FOR APPLICABLE TRAFFIC CONTROL PAY ITEM.

**STAGE I CONSTRUCTION  
S.N. 057-0120 (EASTBOUND)**

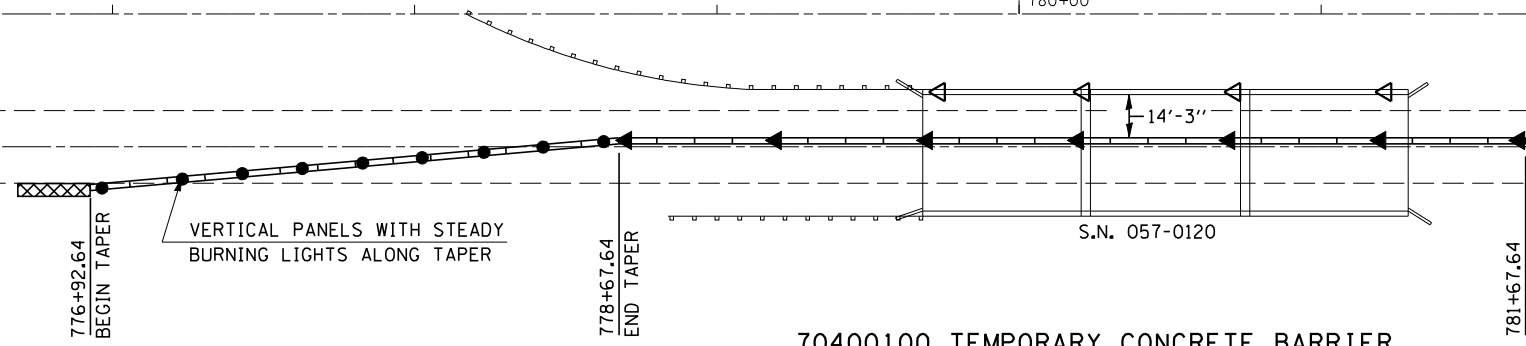


780+00

FAI ROUTE 74  
WESTBOUND LANES

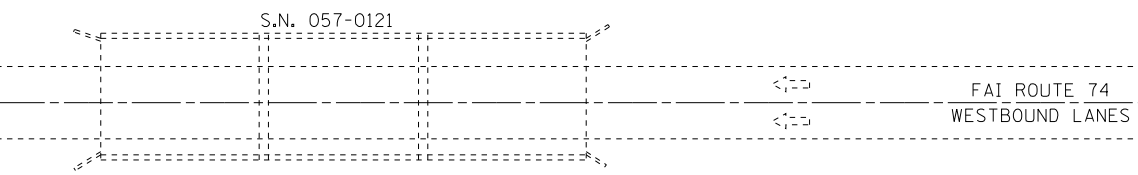
S.N. 057-0120

FAI ROUTE 74  
EASTBOUND LANES



**70400100 TEMPORARY CONCRETE BARRIER**  
STA 776+92.64 TO STA 781+67.64 = 475.0'

**STAGE II CONSTRUCTION  
S.N. 057-0120 (EASTBOUND)**

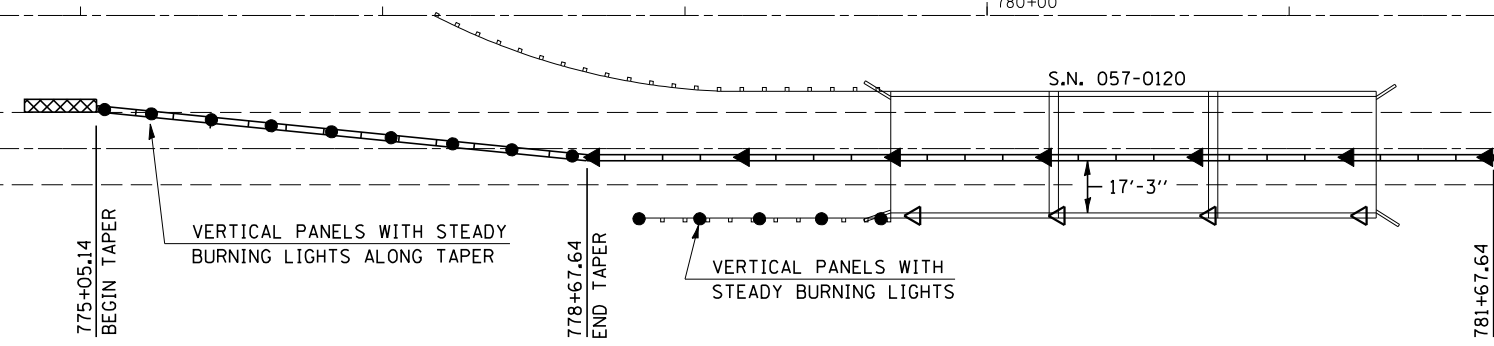


780+00

FAI ROUTE 74  
WESTBOUND LANES

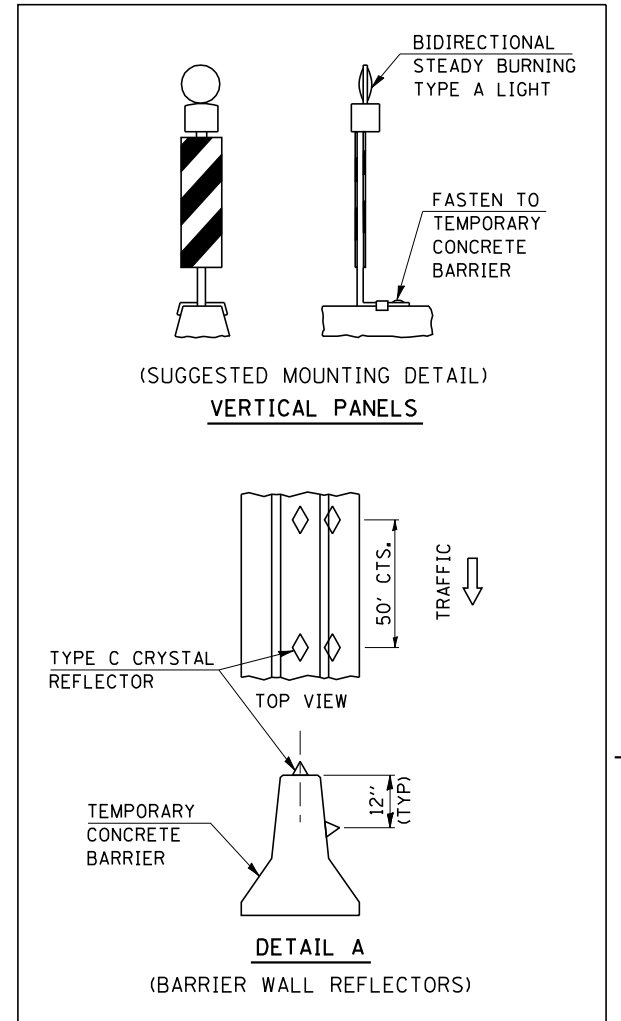
S.N. 057-0120

FAI ROUTE 74  
EASTBOUND LANES



**70400200 RELOCATE TEMPORARY CONCRETE BARRIER**  
STA 777+05.14 TO STA 781+67.64 = 462.5'

SYMBOLS	
	AMBER MONODIRECTIONAL REFLECTOR 50' CTS
	CRYSTAL MONODIRECTIONAL REFLECTOR 50' CTS
	TEMPORARY CONCRETE BARRIER
	VERTICAL PANELS WITH STEADY BURNING LIGHTS ALONG TAPER 20' CTS
	IMPACT ATTENUATOR



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PLOT SCALE = 63,5294 / IN.  
USER NAME = creig

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**STAGE CONSTRUCTION**  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0120  
SCALE: 1" = 30'  
DATE: 03/24/07  
DRAWN BY: JRP  
CHECKED BY:



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	9

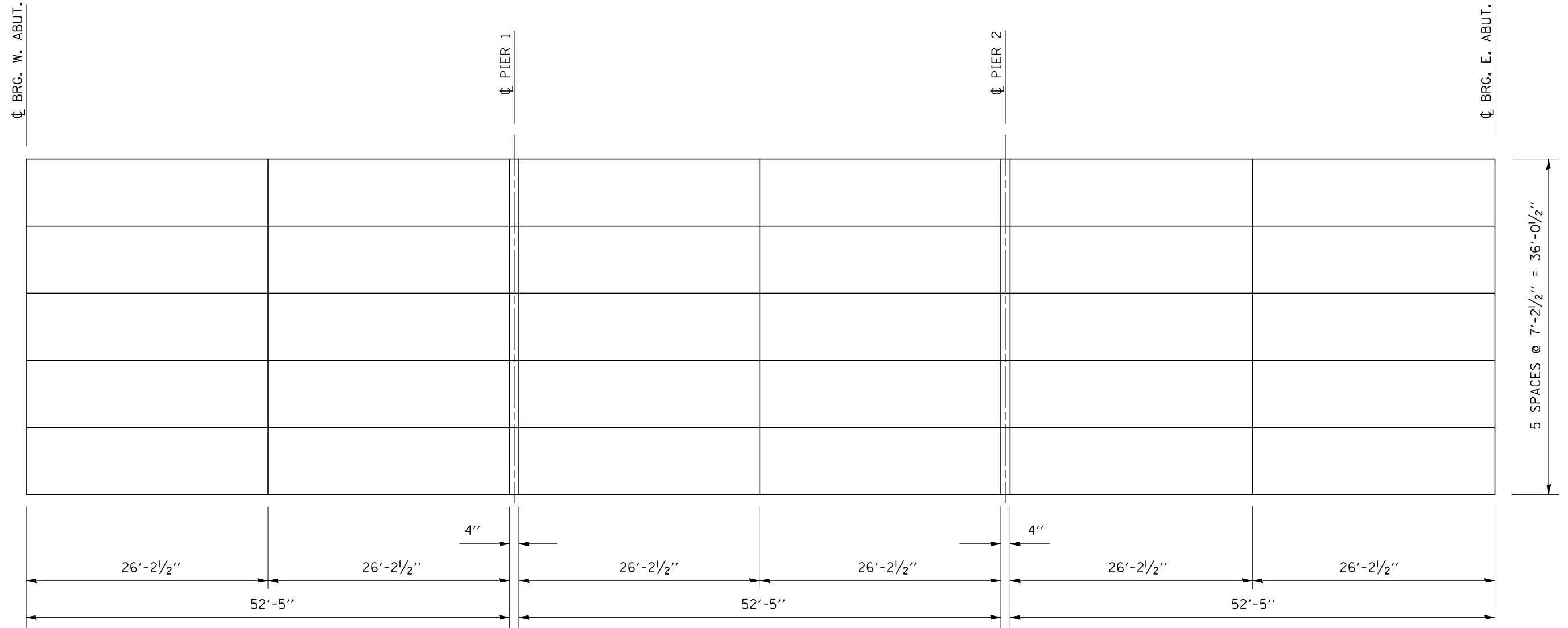
\*(57-21B&57-22B)&BDR

SHEET 5 OF 8

# LOCATION OF FULL DEPTH PATCHING

## S.N. 057-0120 EASTBOUND

### STATION 780 + 50



**NOTES:**

AREAS OF PARTIAL AND FULL DEPTH PATCHES SHALL BE DETERMINED BY THE ENGINEER AFTER THE BITUMINOUS OVERLAY AND WATERPROOFING ARE REMOVED.

QUANTITIES OF DECK REPAIR HAVE BEEN ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

### PLAN VIEW OF AS-BUILT PATCHES

ILLINOIS DEPARTMENT OF TRANSPORTATION	
LOCATION OF FULL DEPTH PATCHING	
F.A.I. ROUTE 74	
SECTION (57-21B&57-22B)&BDR	
MCLEAN COUNTY	
S.N. 057-0120	
SCALE: NA	DRAWN BY: JRP
DATE: 03/22/07	CHECKED BY:

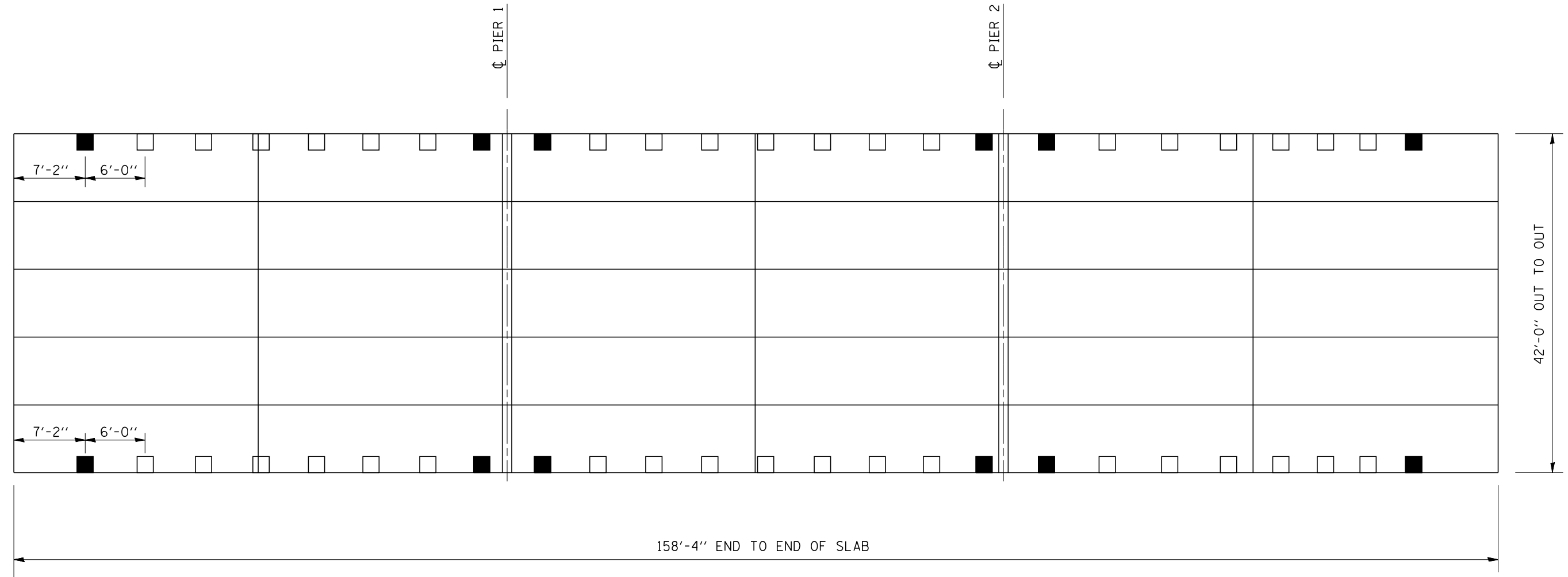
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	10

\* (57-21B&57-22B)&BDR

# LOCATION OF DRAINS S.N. 057-0120 EASTBOUND



SHEET 6 OF 8



NOTE:  
SEE DRAIN ELIMINATION DETAIL  
FOR DRAINS TO BE ELIMINATED.

LEGEND	
<span style="display: inline-block; width: 15px; height: 15px; background-color: black; border: 1px solid black;"></span>	EXISTING DRAINS TO BE ELIMINATED
<span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black;"></span>	EXISTING DRAINS TO REMAIN

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION OF DRAINS**  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0120

SCALE: NA      DRAWN BY: JRP  
DATE: 03/22/07      CHECKED BY:

PLOT DATE : 3/26/2007  
FILE NAME : c:\projects\0501187 (s)\70641cover.dgn  
PLOT SCALE : 1/8"=1'-0" / IN.  
USER NAME : creig

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	11

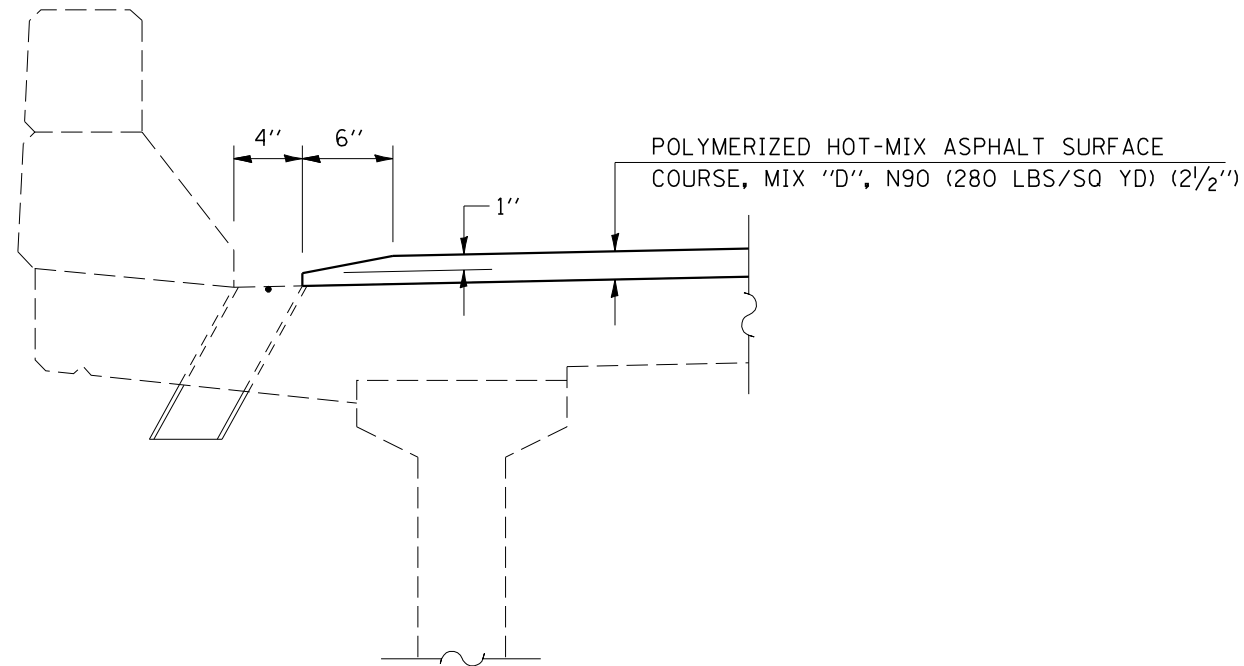
\* (57-21B&57-22B)&BDR

SHEET 7 OF 8

# DECK DRAIN REPAIR

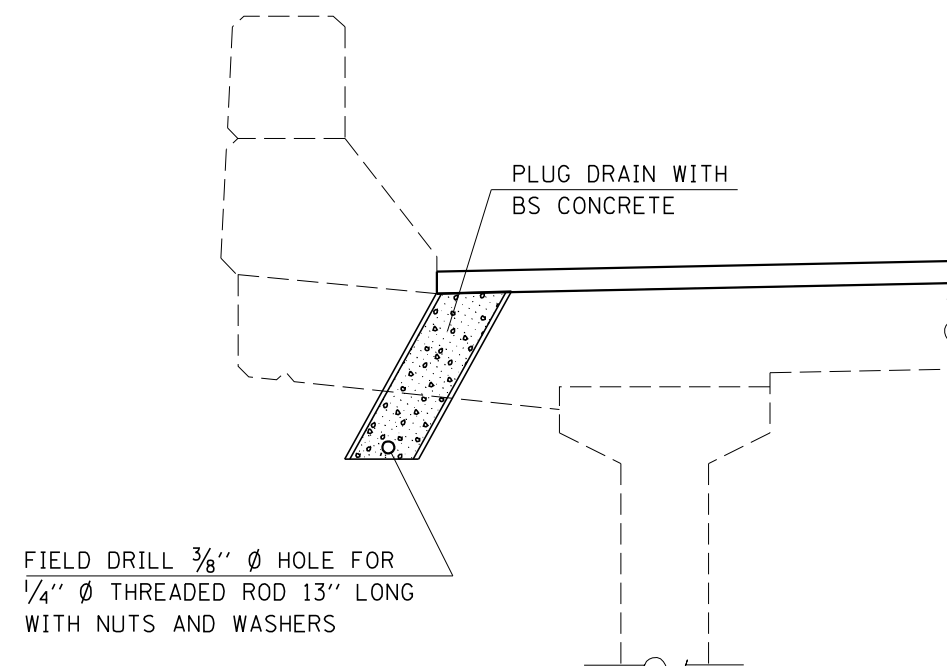
## SN 057-0120

### DETAIL OF DRAIN AT CURB



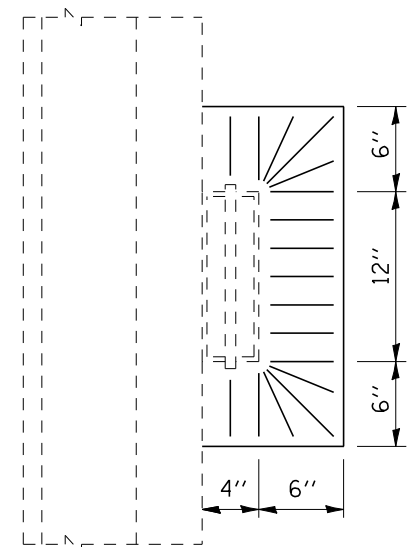
SECTION AT DRAIN

### DRAIN ELIMINATION DETAIL



SECTION AT DRAIN

NOTE:  
SEE SHEET 6 OF 8 FOR  
DRAINS TO BE PLUGGED



PLAN VIEW

PLAN NOTE:  
ON EXISTING DECK DRAINS WITH EXTENSIONS,  
REMOVE BOTTOM PORTION OF EXISTING DRAIN.  
(COST INCLUDED WITH PLUG EXISTING DECK DRAINS)

POLYMERIZED HMA AROUND DRAIN AT CURB SHALL  
BE COMPACTED TO SATISFACTION OF ENGINEER.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DECK DRAIN REPAIR**  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
SN 057-0120

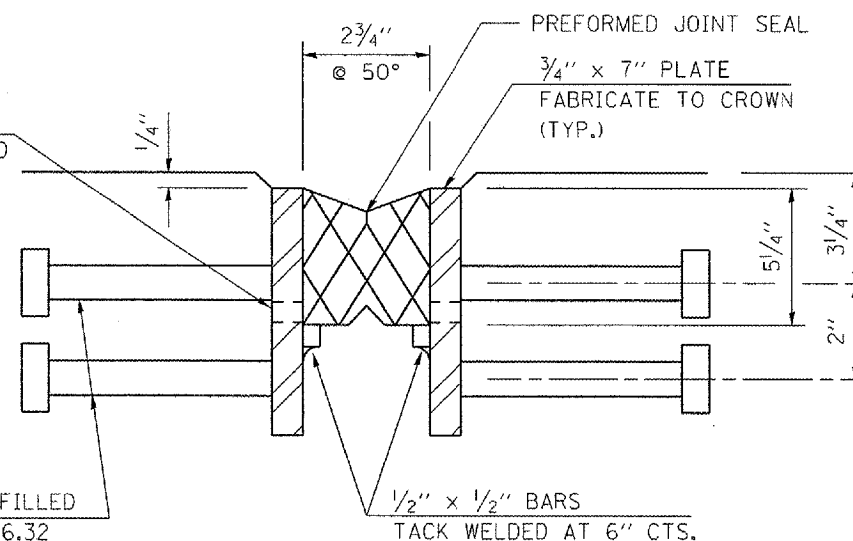
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DATE: 03/22/07

DRAWN BY: JRP  
CHECKED BY:

# NORTH AND SOUTH ABUTMENT JOINT DETAILS

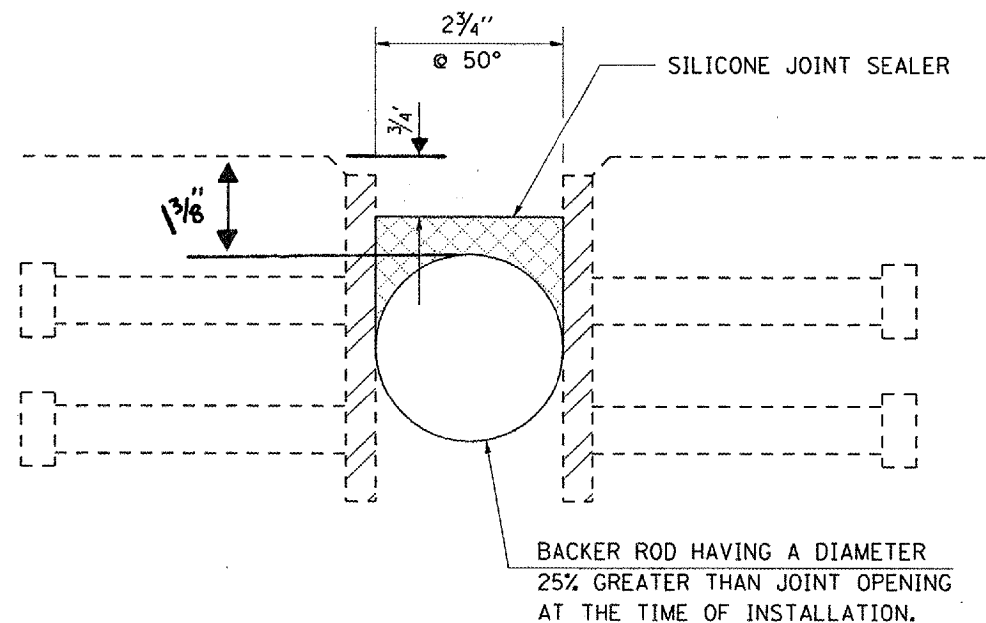
## SN 057-0120

$\frac{7}{16}$ "  $\phi$  HOLES AT 12" CTS. FOR  $\frac{3}{8}$ "  $\phi$  BOLTS.  
ALL BOLTS SHALL BE BURNED, SAWED OR CHIPPED  
OFF FLUSH WITH THE PLATES AFTER FORMS ARE  
REMOVED. (TYP.)



$\frac{3}{4}$ "  $\phi$  x 8" GRANULAR OR SOLID FLUX FILLED  
HEADED STUDS CONFORMING TO ART. 706.32  
OF THE STD. SPEC'S. AUTOMATICALLY END  
WELDED AT 12" ALT. CTS.

EXISTING JOINT



NOTE:  
REMOVAL OF THE PREFORMED JOINT SEAL  
IS INCLUDED IN THE COST OF SILICONE  
JOINT SEALER.

### BILL OF MATERIALS

ITEM	UNITS	TOTAL
SILICONE JOINT SEALER, 2 3/4 "	FOOT	80

PROPOSED JOINT

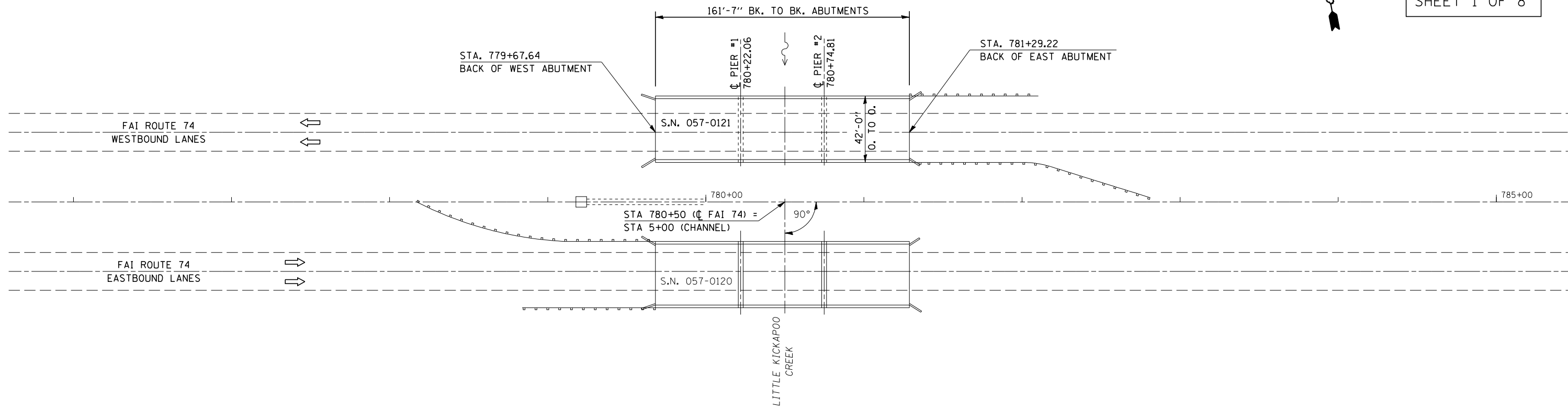
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	13
STA. 776+00		TO STA. 785+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

\* (57-21B&57-22B)&BDR

SHEET 1 OF 8

# GENERAL PLAN

## S.N. 057-0121



PLAN VIEW  
S. N. 057-0121 W. B.

### BILL OF MATERIALS

ITEM	UNITS	QUANTITY
POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	67.0
HOT-MIX ASPHALT REMOVAL (DECK)	SQ YD	670.0
PLUG EXISTING DECK DRAINS	EACH	12.0
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90,	TON	94.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	16.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	91.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	87.0
SILICONE JOINT SEALER, 2 3/4"	FOOT	80.0

### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE THE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE CONTRACT UNIT PRICE FOR THE WORK.

THE DECK SLAB REPAIR (PARTIAL & FULL DEPTH) QUANTITY IS ESTIMATED AND THE ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER AFTER THE HOT-MIX ASPHALT OVERLAY AND WATERPROOFING ARE REMOVED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS ON SHEET 5 OF 8.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
GENERAL PLAN  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0121

SCALE: 1" = 30'  
DATE: 03/22/07

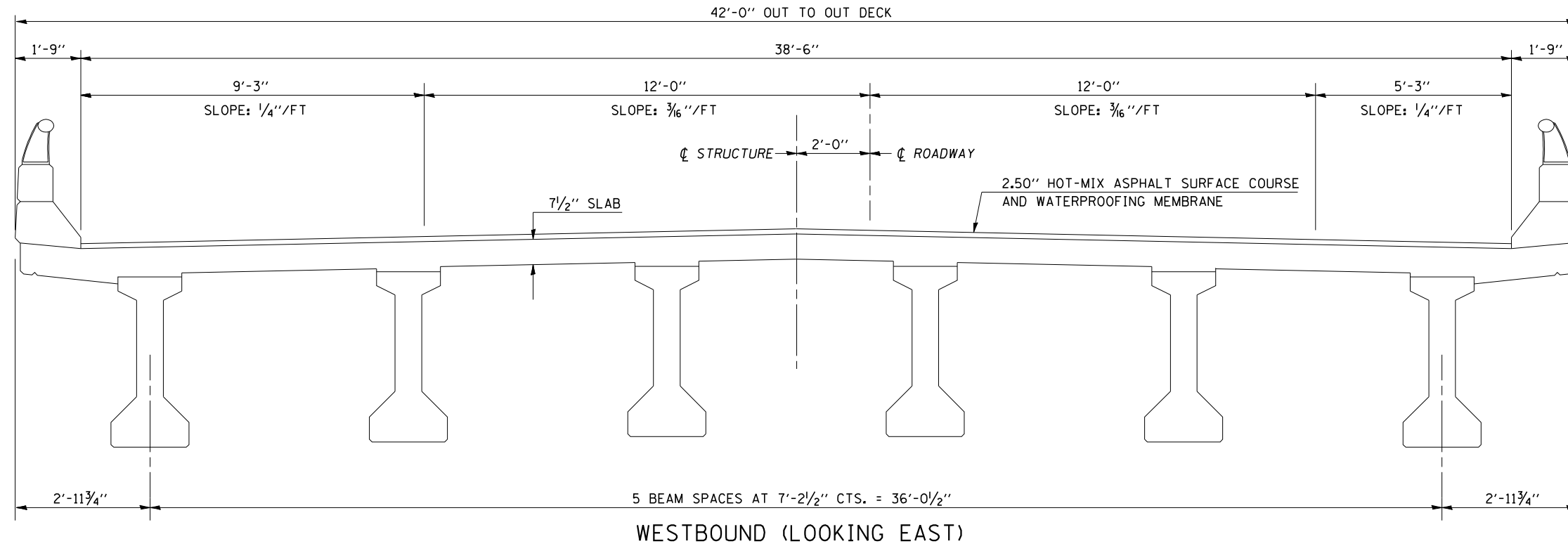
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CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	14

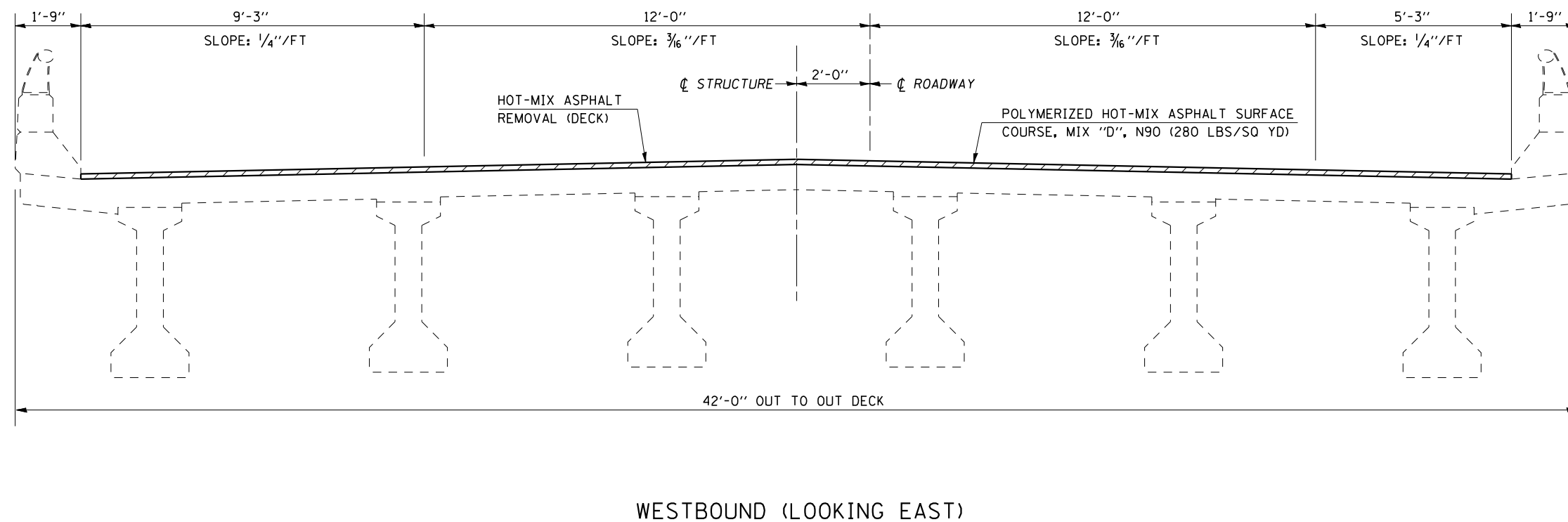
\* (57-21B&57-22B)&BDR

SHEET 2 OF 8

### EXISTING TYPICAL CROSS SECTION S.N. 057-0121



### PROPOSED TYPICAL CROSS SECTION S.N. 057-0121



ILLINOIS DEPARTMENT OF TRANSPORTATION  
TYPICAL CROSS SECTION  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0121

SCALE: NA  
DATE: 03/22/07

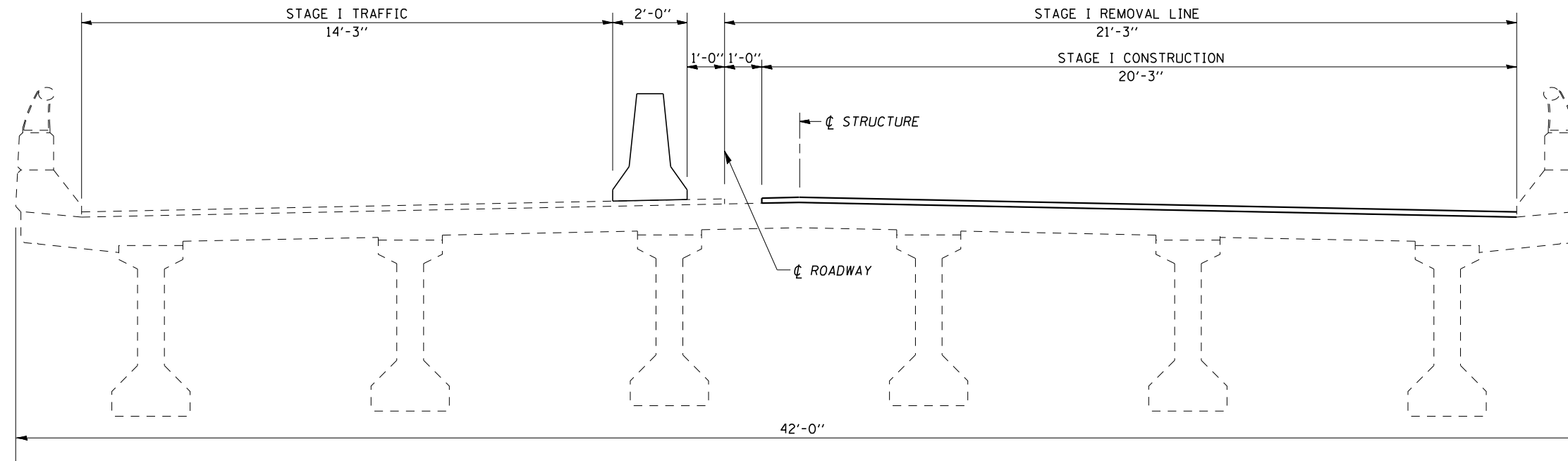
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CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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\*(57-21B&57-22B)&BDR

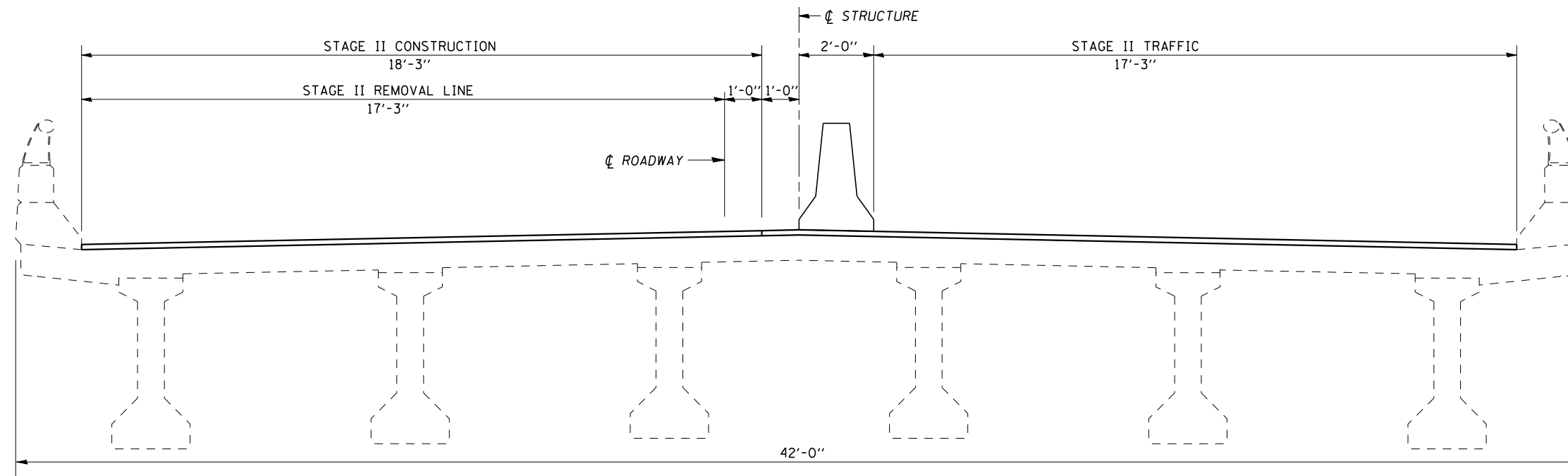
SHEET 3 OF 8

### STAGE I CONSTRUCTION S.N. 057-0121



WESTBOUND (LOOKING WEST)

### STAGE II CONSTRUCTION S.N. 057-0121



WESTBOUND (LOOKING WEST)

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USER NAME = creigre

ILLINOIS DEPARTMENT OF TRANSPORTATION  
STAGE CONSTRUCTION  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0121

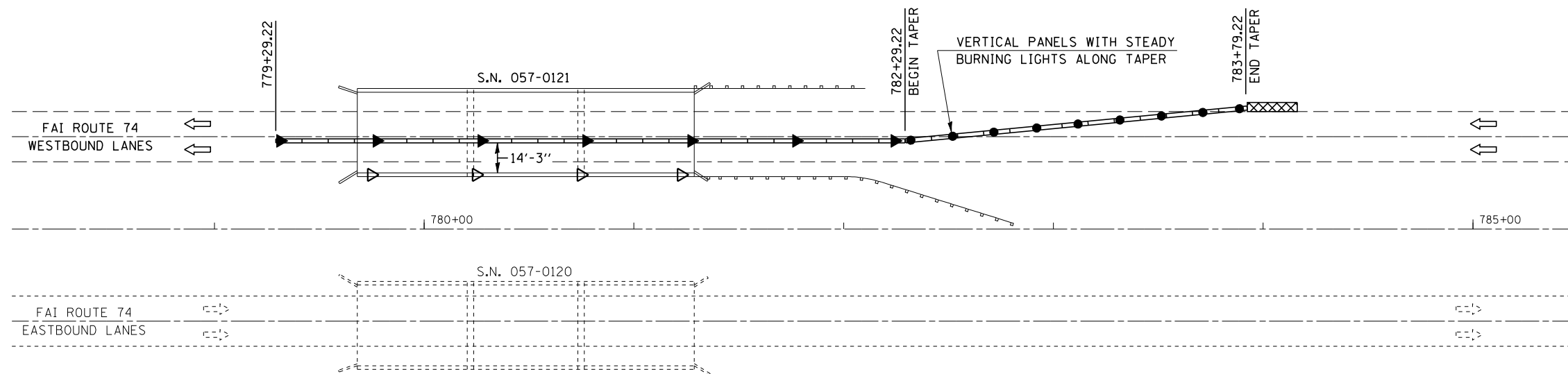
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DRAWN BY: JRP  
CHECKED BY:

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74	*	MCLEAN	49	16

\* (57-21B&57-22B)&BDR

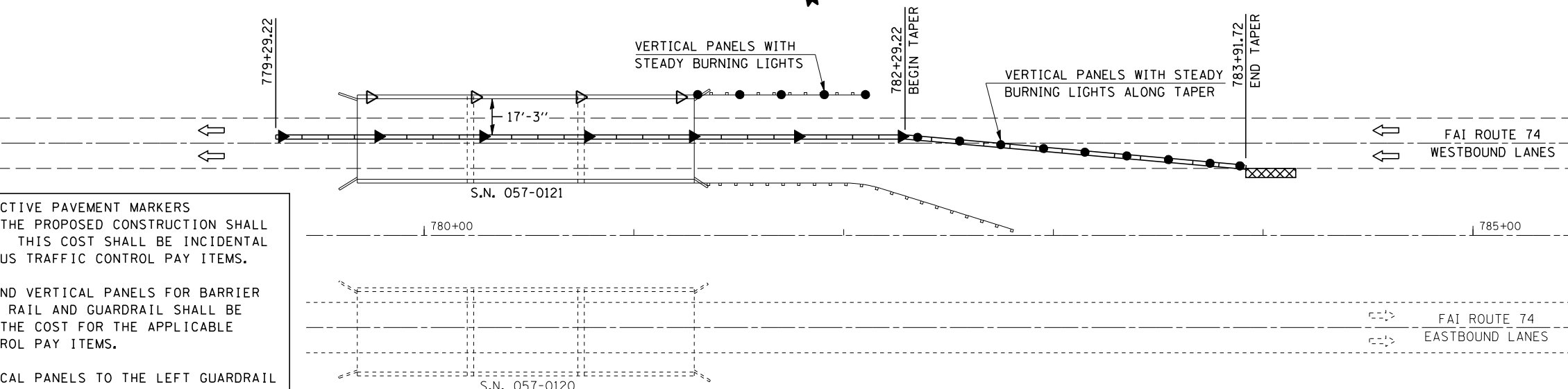
SHEET 4 OF 8

### STAGE I CONSTRUCTION S.N. 057-0121 (WESTBOUND)



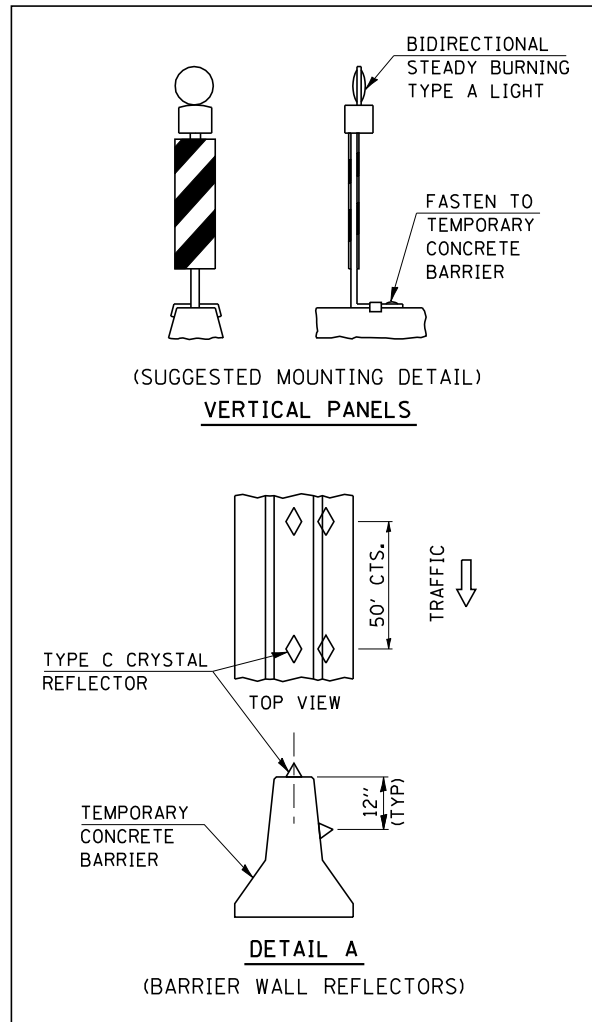
70400100 TEMPORARY CONCRETE BARRIER  
STA 779+29.22 TO STA 783+79.22 = 450.0'

### STAGE II CONSTRUCTION S.N. 057-0121 (WESTBOUND)



70400200 RELOCATE TEMPORARY CONCRETE BARRIER  
STA 779+29.22 TO STA 783+91.72 = 462.5'

SYMBOLS	
	AMBER MONODIRECTIONAL REFLECTOR 50' CTS
	CRYSTAL MONODIRECTIONAL REFLECTOR 50' CTS
	TEMPORARY CONCRETE BARRIER
	VERTICAL PANELS WITH STEADY BURNING LIGHTS ALONG TAPER 20' CTS
	IMPACT ATTENUATOR



**PLAN NOTES:**

ALL STAGING DETAILS SET UP IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION 701402.

PRIOR TO BARRIER PLACEMENT TRAFFIC CONTROL SHALL BE SET UP IN ACCORDANCE WITH STANDARD 701406.

TRAFFIC CONTROL DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400 AND 701402.

MESSAGE BOARD SHALL BE PLACED TWO WEEKS PRIOR TO CONSTRUCTION AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

RESIDENT ENGINEER AND TRAFFIC CONTROL SUPERVISOR SHALL PROVIDE APPROPRIATE MESSAGE FOR CMS.

RAISED REFLECTIVE PAVEMENT MARKERS AFFECTED BY THE PROPOSED CONSTRUCTION SHALL BE REPLACED. THIS COST SHALL BE INCIDENTAL TO THE VARIOUS TRAFFIC CONTROL PAY ITEMS.

REFLECTORS AND VERTICAL PANELS FOR BARRIER WALL, BRIDGE RAIL AND GUARDRAIL SHALL BE INCLUDED IN THE COST FOR THE APPLICABLE TRAFFIC CONTROL PAY ITEMS.

ATTACH VERTICAL PANELS TO THE LEFT GUARDRAIL AT 25 FOOT CENTERS DURING STAGE II. THIS COST WILL BE INCIDENTAL TO STANDARD 701402.

REFLECTORIZED TEMPORARY MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE EDGE LINE SHALL BE YELLOW FOR LEFT LANE CLOSURES. COST FOR THE PLACEMENT AND REMOVAL SHALL BE INCLUDED IN COST FOR APPLICABLE TRAFFIC CONTROL PAY ITEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
STAGE CONSTRUCTION  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0121

SCALE: 1" = 30'  
DATE: 03/24/07

DRAWN BY: JRP  
CHECKED BY:



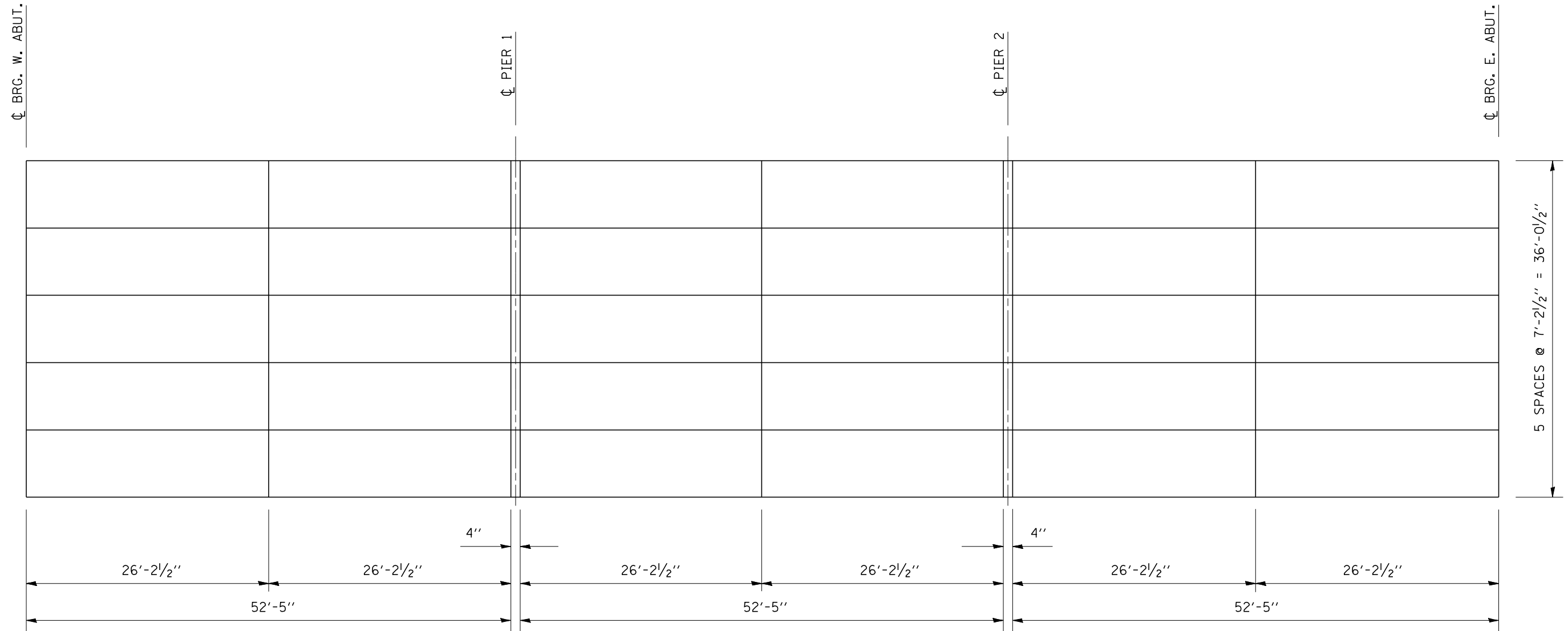
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	17

\*(57-21B&57-22B)&BDR

SHEET 5 OF 8



## LOCATION OF FULL DEPTH PATCHING S.N. 057-0121 WESTBOUND STATION 780 + 50



**NOTES:**

AREAS OF PARTIAL AND FULL DEPTH PATCHES SHALL BE DETERMINED BY THE ENGINEER AFTER THE BITUMINOUS OVERLAY AND WATERPROOFING ARE REMOVED.

QUANTITIES OF DECK REPAIR HAVE BEEN ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

### PLAN VIEW OF AS-BUILT PATCHES

ILLINOIS DEPARTMENT OF TRANSPORTATION	
LOCATION OF FULL DEPTH PATCHING	
F.A.I. ROUTE 74	
SECTION (57-21B&57-22B)&BDR	
MCLEAN COUNTY	
S.N. 057-0121	
SCALE: NA	DRAWN BY: JRP
DATE: 03/22/07	CHECKED BY:

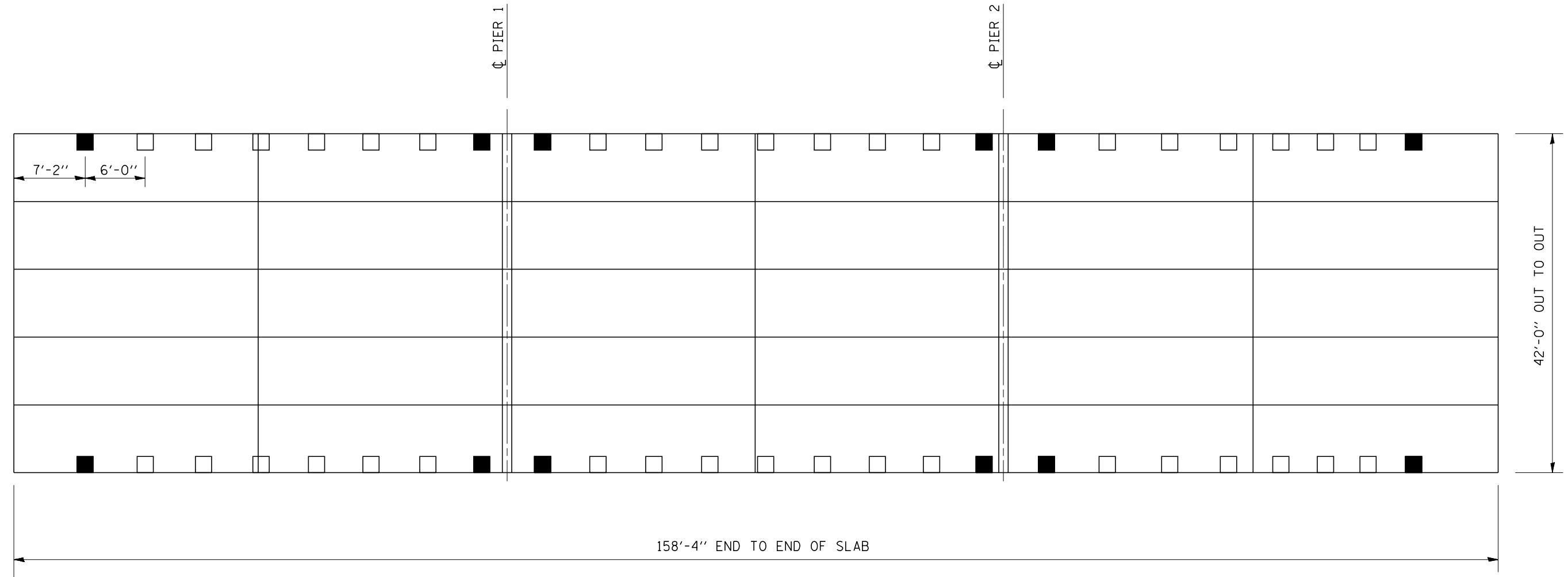
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	18

\*(57-21B&57-22B)&BDR

# LOCATION OF DRAINS S.N. 057-0121 WESTBOUND



SHEET 6 OF 8



**NOTE:**  
SEE DRAIN ELIMINATION DETAIL  
FOR DRAINS TO BE ELIMINATED.

LEGEND	
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<span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black;"></span>	EXISTING DRAINS TO REMAIN

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION OF DRAINS**  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0121

SCALE: NA      DRAWN BY: JRP  
DATE: 03/22/07      CHECKED BY:

PLOT DATE : 3/26/2007  
 FILE NAME : c:\projects\70641cover.dgn  
 PLOT SCALE : 1/8"=1'-0"  
 USER NAME : creig

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	19

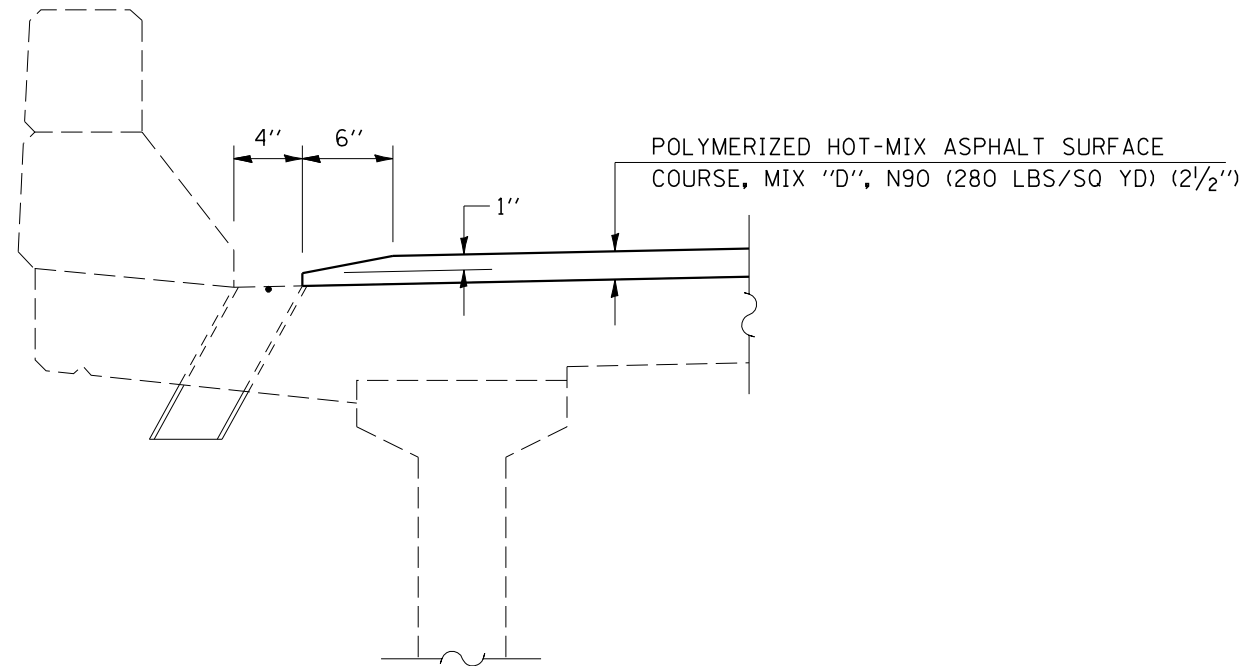
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SHEET 7 OF 8

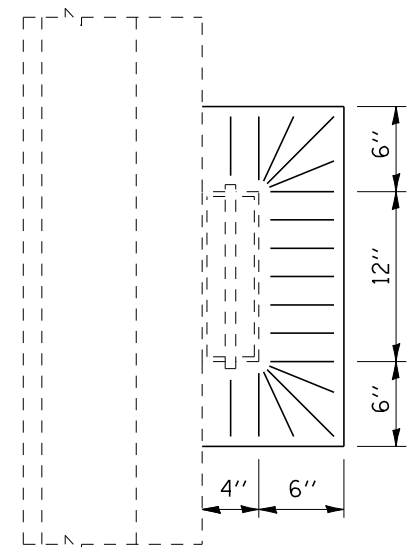
# DECK DRAIN REPAIR

## SN 057-0121

**DETAIL OF DRAIN AT CURB**

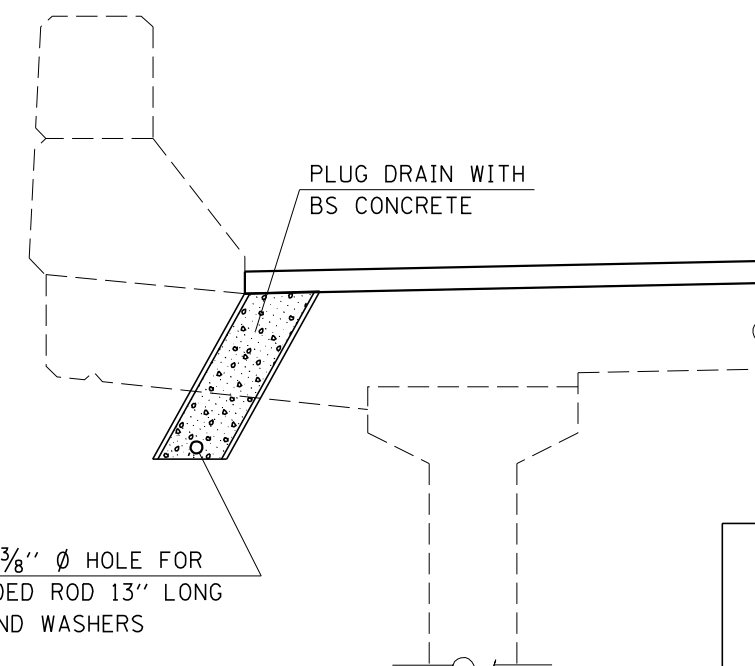


**SECTION AT DRAIN**



**PLAN VIEW**

**DRAIN ELIMINATION DETAIL**



FIELD DRILL  $\frac{3}{8}$ "  $\varnothing$  HOLE FOR  $\frac{1}{4}$ "  $\varnothing$  THREADED ROD 13" LONG WITH NUTS AND WASHERS

NOTE:  
SEE SHEET 6 OF 8 FOR DRAINS TO BE PLUGGED

**SECTION AT DRAIN**

PLAN NOTE:  
ON EXISTING DECK DRAINS WITH EXTENSIONS, REMOVE BOTTOM PORTION OF EXISTING DRAIN. (COST INCLUDED WITH PLUG EXISTING DECK DRAINS)

POLYMERIZED HMA AROUND DRAIN AT CURB SHALL BE COMPACTED TO SATISFACTION OF ENGINEER.

PLOT DATE : 3/26/2007  
FILE NAME : c:\projects\0501187 (05170641cover.dgn  
PLOT SCALE : 1/8"=1'-0" / IN.  
USER NAME : creigre

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DECK DRAIN REPAIR**  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
SN 057-0121

SCALE: NA  
DATE: 03/22/07

DRAWN BY: JRP  
CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	20

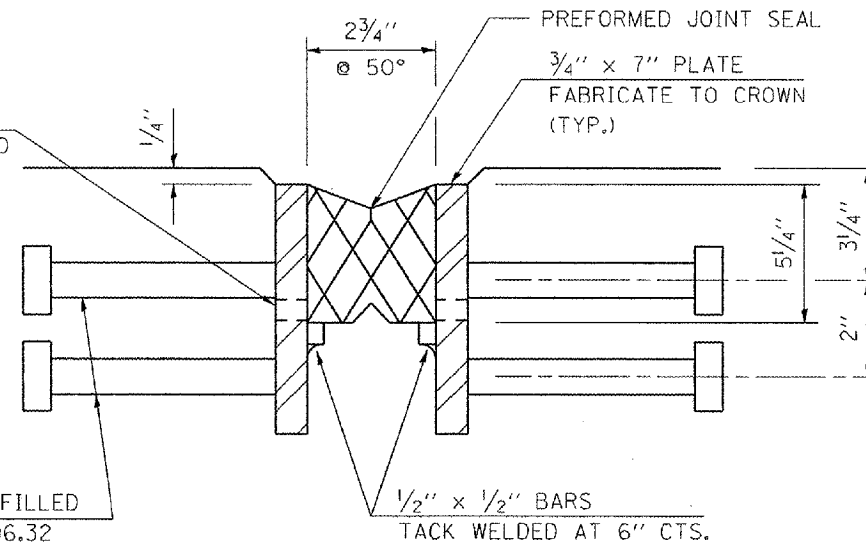
\* (57-21B&57-22B)&BDR

SHEET 8 OF 8

# NORTH AND SOUTH ABUTMENT JOINT DETAILS

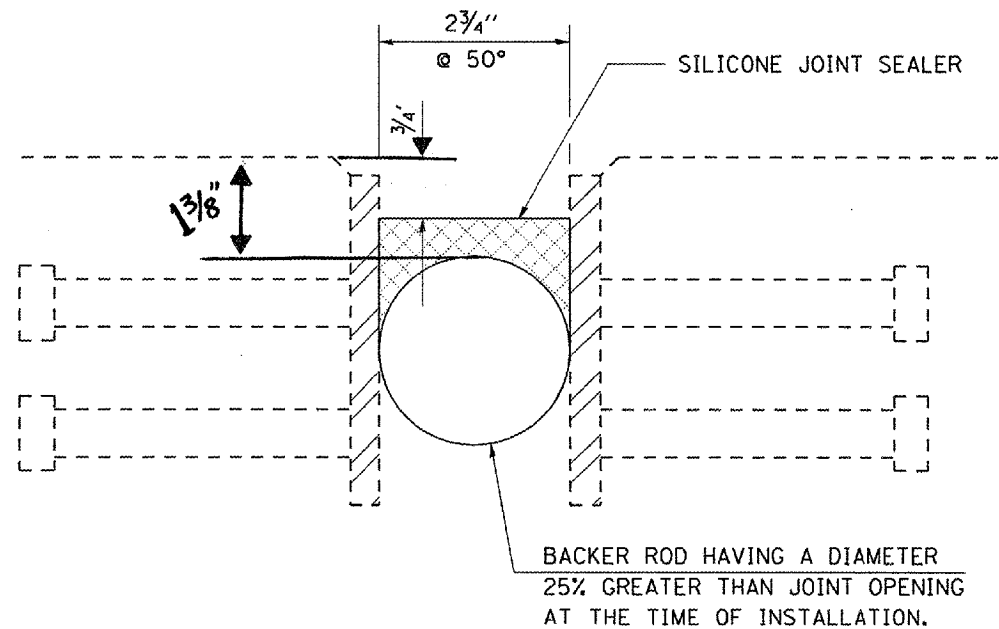
## SN 057-0121

$\frac{7}{16}$ "  $\varnothing$  HOLES AT 12" CTS. FOR  $\frac{3}{8}$ "  $\varnothing$  BOLTS.  
ALL BOLTS SHALL BE BURNED, SAWED OR CHIPPED OFF FLUSH WITH THE PLATES AFTER FORMS ARE REMOVED. (TYP.)



$\frac{3}{4}$ "  $\varnothing$  x 8" GRANULAR OR SOLID FLUX FILLED HEADED STUDS CONFORMING TO ART. 706.32 OF THE STD. SPEC'S. AUTOMATICALLY END WELDED AT 12" ALT. CTS.

EXISTING JOINT



NOTE:  
REMOVAL OF THE PREFORMED JOINT SEAL IS INCLUDED IN THE COST OF SILICONE JOINT SEALER.

PROPOSED JOINT

### BILL OF MATERIALS

ITEM	UNITS	TOTAL
SILICONE JOINT SEALER, 2 3/4 "	FOOT	80

PLOT DATE: 3/20/2007  
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 USER NAME: jrp

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 NO. & SO. ABUTMENT JOINT DETAILS  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 MCLEAN COUNTY  
 SN 057-0121  
 SCALE: NA  
 DATE: 03/24/07  
 DRAWN BY: JRP  
 CHECKED BY:

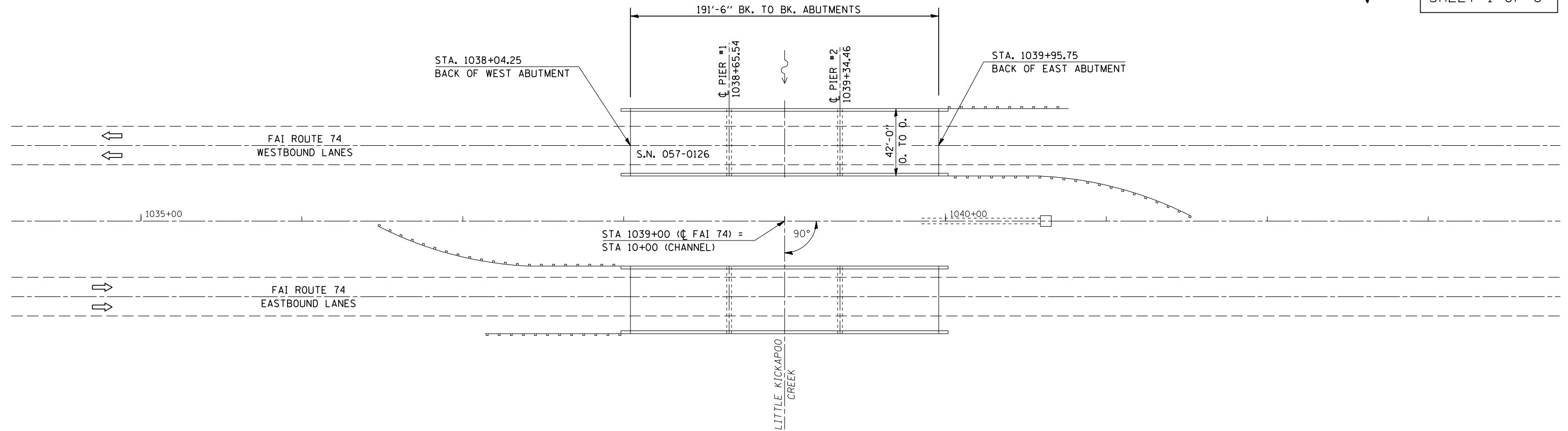
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	21
STA. 1035+00		TO STA. 1043+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

\*(57-21B&57-22B)&BDR

SHEET 1 OF 8

# GENERAL PLAN

## S.N. 057-0126



### PLAN VIEW

S. N. 057-0126 W. B.

### BILL OF MATERIALS

ITEM	UNITS	QUANTITY
POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	80.0
HOT-MIX ASPHALT REMOVAL (DECK)	SQ YD	800.0
PLUG EXISTING DECK DRAINS	EACH	36.0
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90,	TON	79.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	27.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	179.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	100.0
SILICONE JOINT SEALER, 1 3/4"	FOOT	80.0

### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE THE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE CONTRACT UNIT PRICE FOR THE WORK.

THE DECK SLAB REPAIR (PARTIAL & FULL DEPTH) QUANTITY IS ESTIMATED AND THE ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER AFTER THE HOT-MIX ASPHALT OVERLAY AND WATERPROOFING ARE REMOVED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS ON SHEET 5 OF 8.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**GENERAL PLAN**  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 MCLEAN COUNTY  
 S.N. 057-0126

SCALE: 1" = 30'  
 DATE: 03/22/07

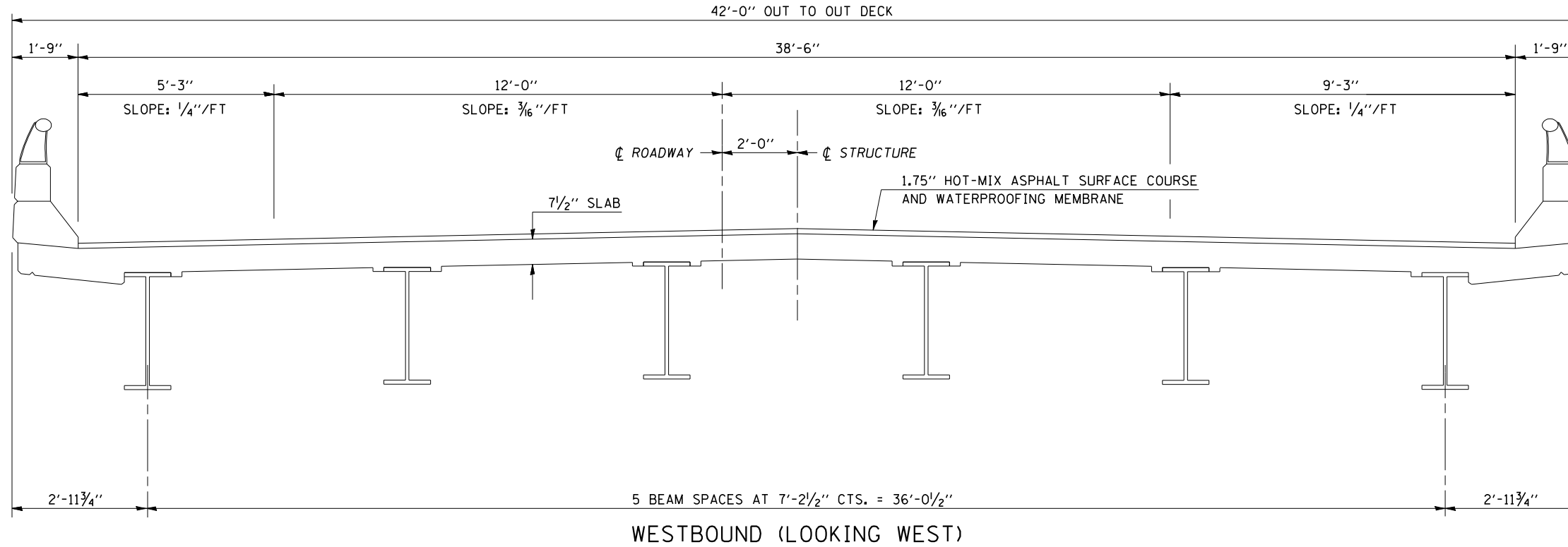
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	22

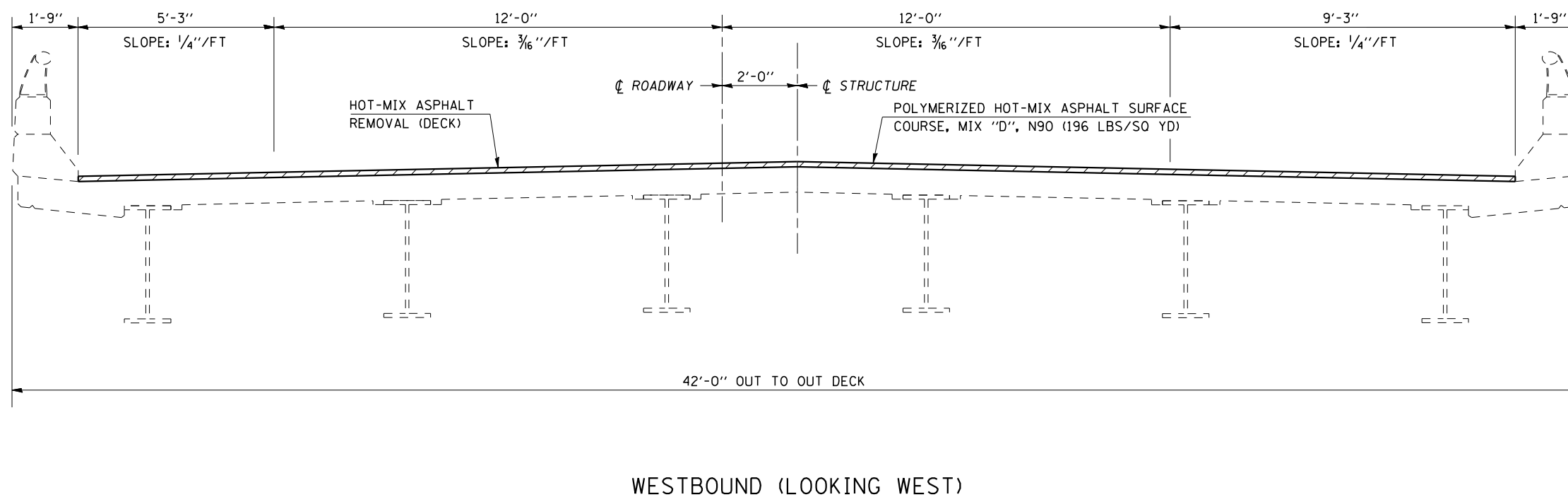
\*(57-21B&57-22B)&BDR

SHEET 2 OF 8

### EXISTING TYPICAL CROSS SECTION S.N. 057-0126



### PROPOSED TYPICAL CROSS SECTION S.N. 057-0126



ILLINOIS DEPARTMENT OF TRANSPORTATION  
TYPICAL CROSS SECTION  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0126

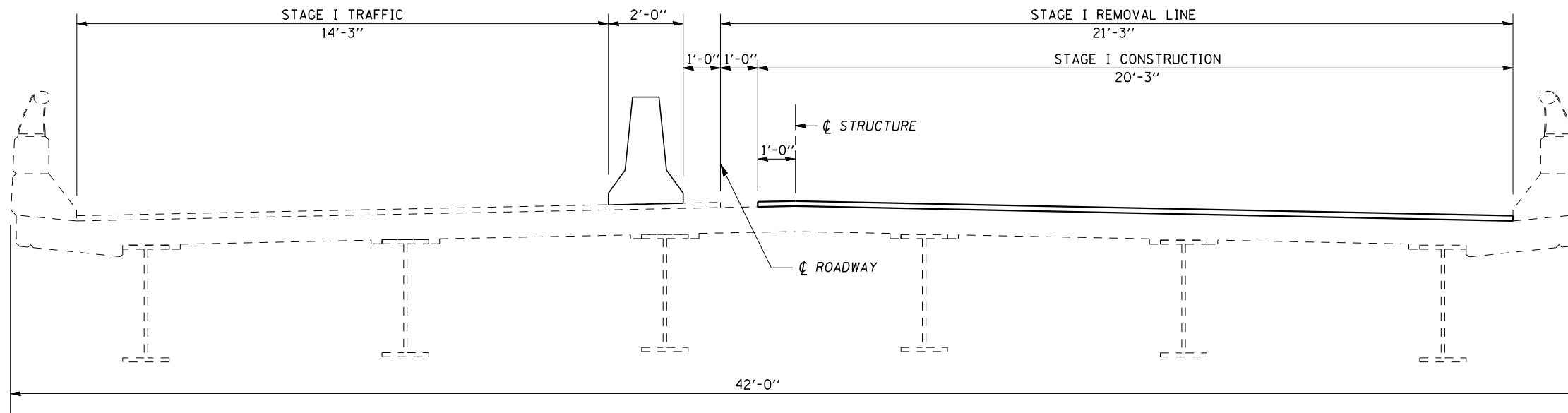
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	23

\* (57-21B&57-22B)&BDR

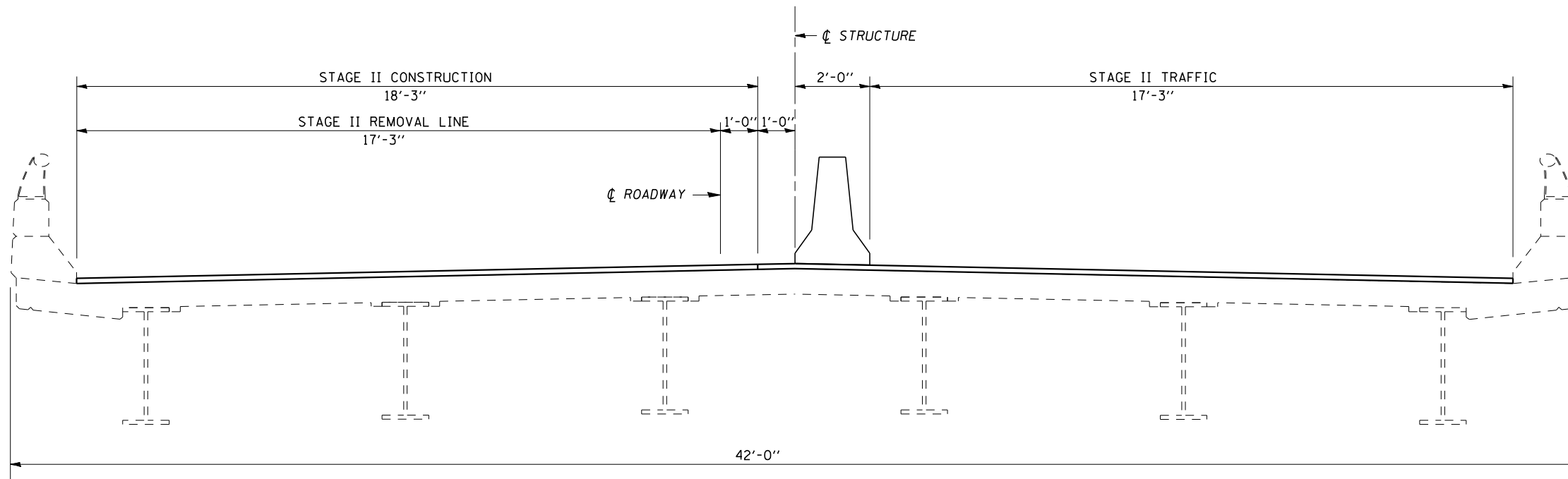
SHEET 3 OF 8

**STAGE I CONSTRUCTION**  
**S.N. 057-0126**



WESTBOUND (LOOKING WEST)

**STAGE II CONSTRUCTION**  
**S.N. 057-0126**



WESTBOUND (LOOKING WEST)

PLOT DATE : 3/26/2007  
FILE NAME : c:\projects\0501187 (61)\70641cover.dgn  
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USER NAME : creigre

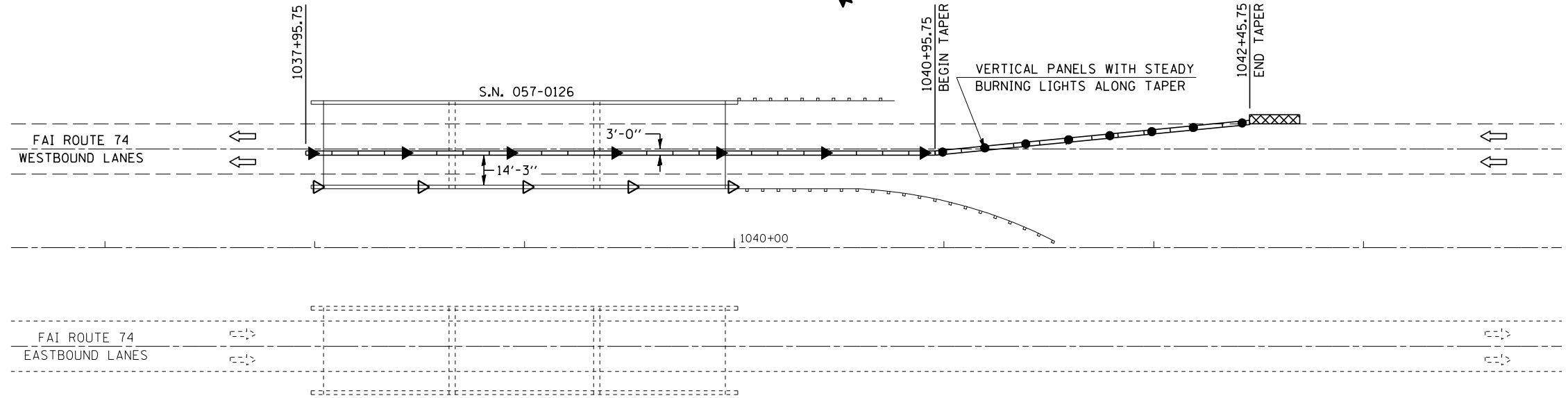
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**STAGE CONSTRUCTION**  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0126  
SCALE: NA  
DATE: 03/22/07  
DRAWN BY: JRP  
CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	24

\* (57-21B&57-22B)&BDR

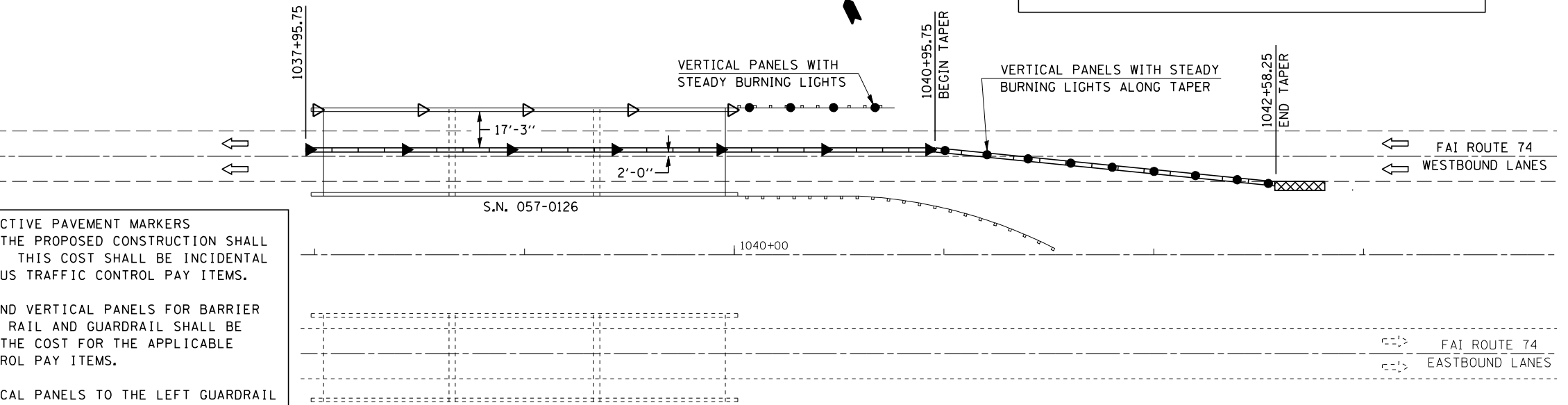
SHEET 4 OF 8

### STAGE I CONSTRUCTION S.N. 057-0126 (WESTBOUND)



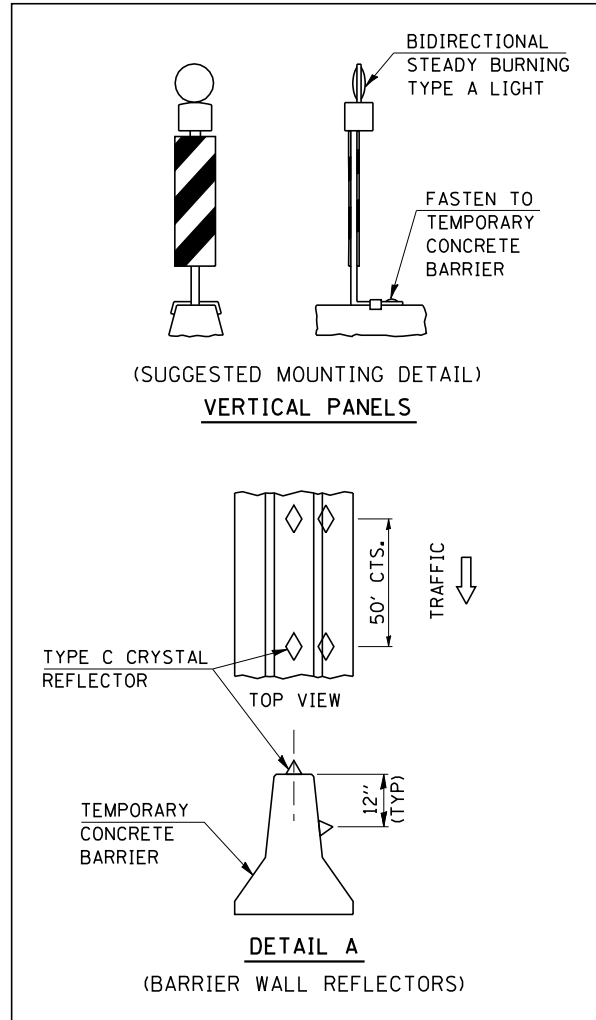
70400100 TEMPORARY CONCRETE BARRIER  
STA 1073+37.75 TO STA 1042+45.75 = 450.0'

### STAGE II CONSTRUCTION S.N. 057-0126 (WESTBOUND)



70400200 RELOCATE TEMPORARY CONCRETE BARRIER  
STA 1037+95.75 TO STA 1042+58.25 = 462.5'

SYMBOLS	
	AMBER MONODIRECTIONAL REFLECTOR 50' CTS
	CRYSTAL MONODIRECTIONAL REFLECTOR 50' CTS
	TEMPORARY CONCRETE BARRIER
	VERTICAL PANELS WITH STEADY BURNING LIGHTS ALONG TAPER 20' CTS
	IMPACT ATTENUATOR



**PLAN NOTES:**

ALL STAGING DETAILS SET UP IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION 701402.

PRIOR TO BARRIER PLACEMENT TRAFFIC CONTROL SHALL BE SET UP IN ACCORDANCE WITH STANDARD 701406.

TRAFFIC CONTROL DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400 AND 701402.

MESSAGE BOARD SHALL BE PLACED TWO WEEKS PRIOR TO CONSTRUCTION AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

RESIDENT ENGINEER AND TRAFFIC CONTROL SUPERVISOR SHALL PROVIDE APPROPRIATE MESSAGE FOR CMS.

RAISED REFLECTIVE PAVEMENT MARKERS AFFECTED BY THE PROPOSED CONSTRUCTION SHALL BE REPLACED. THIS COST SHALL BE INCIDENTAL TO THE VARIOUS TRAFFIC CONTROL PAY ITEMS.

REFLECTORS AND VERTICAL PANELS FOR BARRIER WALL, BRIDGE RAIL AND GUARDRAIL SHALL BE INCLUDED IN THE COST FOR THE APPLICABLE TRAFFIC CONTROL PAY ITEMS.

ATTACH VERTICAL PANELS TO THE LEFT GUARDRAIL AT 25 FOOT CENTERS DURING STAGE II. THIS COST WILL BE INCIDENTAL TO STANDARD 701402.

REFLECTORIZED TEMPORARY MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE EDGE LINE SHALL BE YELLOW FOR LEFT LANE CLOSURES. COST FOR THE PLACEMENT AND REMOVAL SHALL BE INCLUDED IN COST FOR APPLICABLE TRAFFIC CONTROL PAY ITEM.

PLOT DATE = 3/26/2007  
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PLOT SCALE = 63,5294 / IN.  
USER NAME = cregre

ILLINOIS DEPARTMENT OF TRANSPORTATION  
STAGE CONSTRUCTION  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0126

SCALE: 1" = 30'  
DATE: 03/24/07  
DRAWN BY: JRP  
CHECKED BY:



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	25

\* (57-21B&57-22B)&BDR

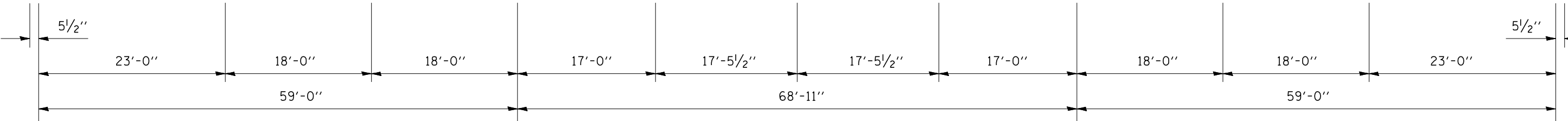
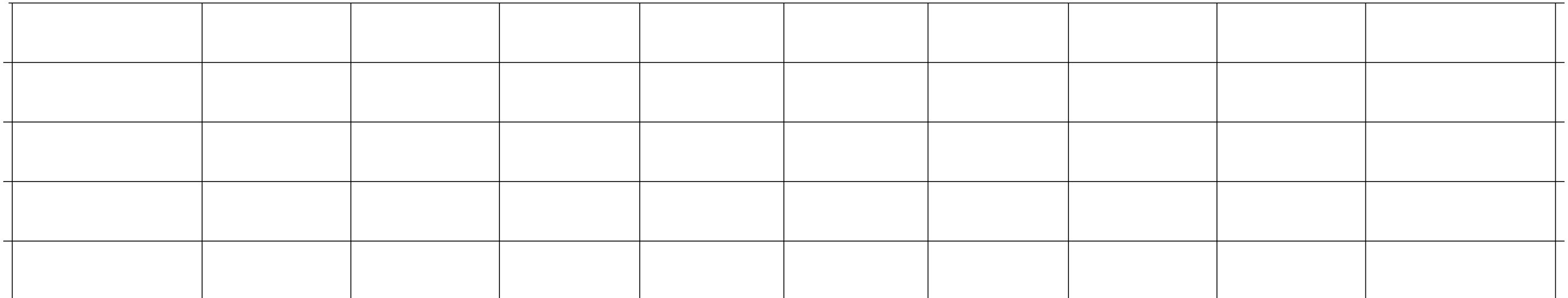
SHEET 5 OF 8



## LOCATION OF FULL DEPTH PATCHING

### S.N. 057-0126 WESTBOUND

### STATION 1039 + 00



**NOTES:**

AREAS OF PARTIAL AND FULL DEPTH PATCHES SHALL BE DETERMINED BY THE ENGINEER AFTER THE BITUMINOUS OVERLAY AND WATERPROOFING ARE REMOVED.

QUANTITIES OF DECK REPAIR HAVE BEEN ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

### PLAN VIEW OF AS-BUILT PATCHES

ILLINOIS DEPARTMENT OF TRANSPORTATION	
LOCATION OF FULL DEPTH PATCHING	
F.A.I. ROUTE 74	
SECTION (57-21B&57-22B)&BDR	
MCLEAN COUNTY	
S.N. 057-0126	
SCALE: NA	DRAWN BY: JRP
DATE: 03/22/07	CHECKED BY:

PLOT DATE : 3/26/2007  
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 PLOT SCALE : 1/8"=1'-0"  
 USER NAME : creig

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	26

\* (57-21B&57-22B)&BDR

# LOCATION OF DRAINS

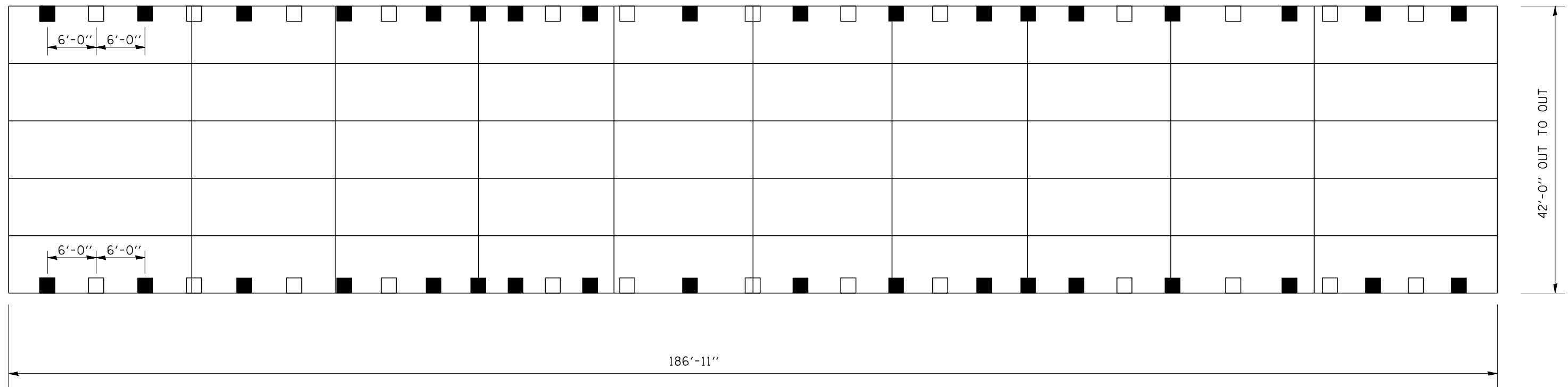
## S.N. 057-0126 WESTBOUND



SHEET 6 OF 8

⇩ PIER 1

⇩ PIER 2



**NOTE:**  
SEE DRAIN ELIMINATION DETAIL  
FOR DRAINS TO BE ELIMINATED.

LEGEND	
<span style="display: inline-block; width: 15px; height: 15px; background-color: black; border: 1px solid black;"></span>	EXISTING DRAINS TO BE ELIMINATED
<span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black;"></span>	EXISTING DRAINS TO REMAIN

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION OF DRAINS**  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0126

SCALE: NA      DRAWN BY: JRP  
DATE: 03/22/07      CHECKED BY:

PLOT DATE : 3/26/2007  
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 USER NAME : creigre

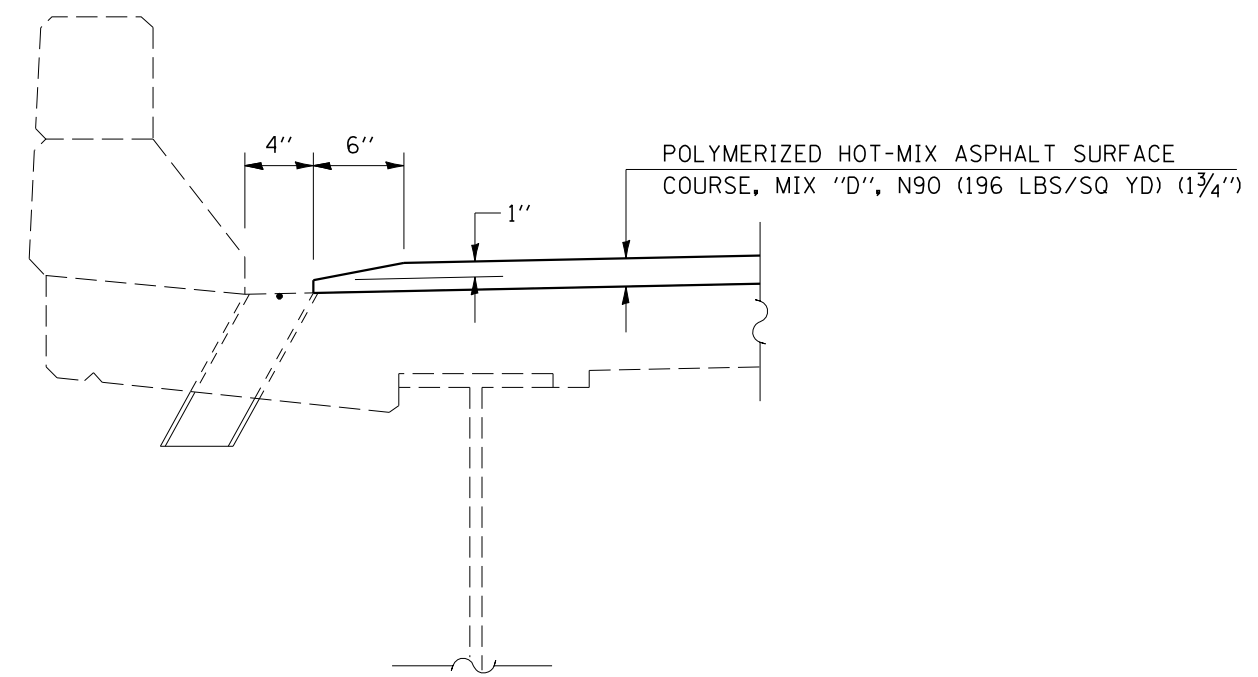
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	27

\* (57-21B&57-22B)&BDR

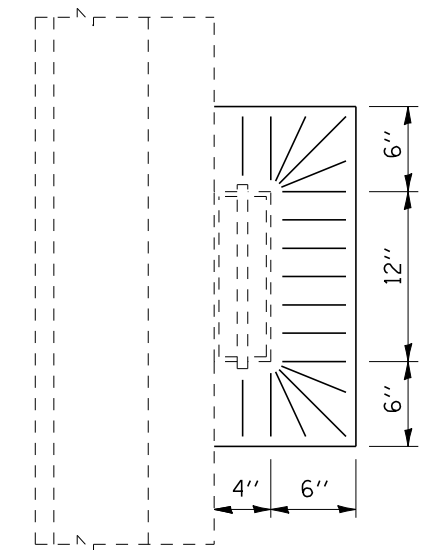
SHEET 7 OF 8

# DECK DRAIN REPAIR SN 057-0126

**DETAIL OF DRAIN AT CURB**

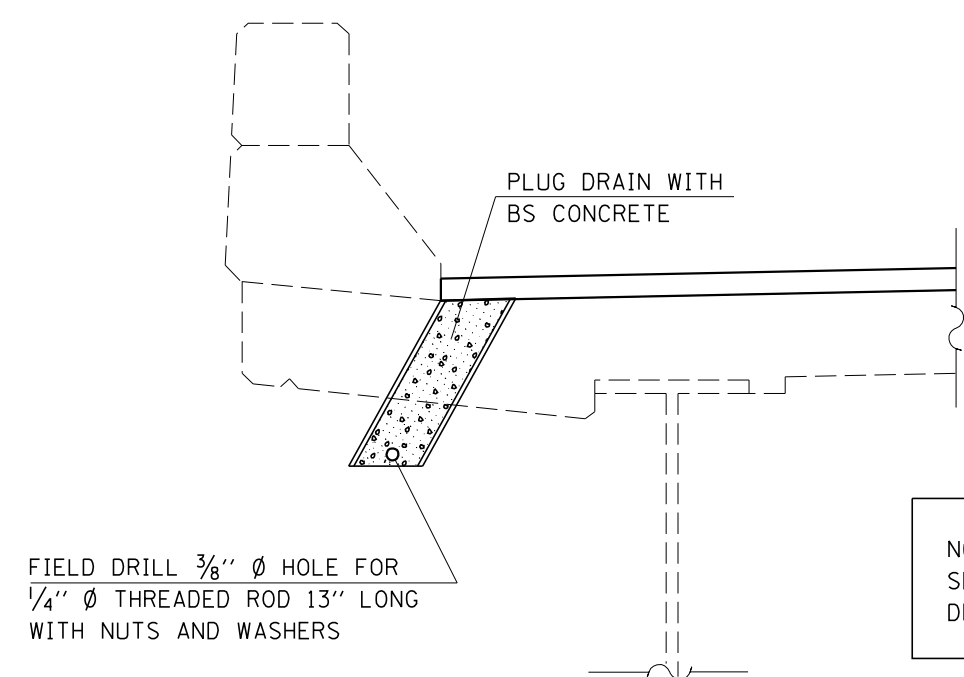


**SECTION AT DRAIN**



**PLAN VIEW**

**DRAIN ELIMINATION DETAIL**



**SECTION AT DRAIN**

NOTE:  
SEE SHEET 6 OF 8 FOR  
DRAINS TO BE PLUGGED

FIELD DRILL  $\frac{3}{8}$ "  $\varnothing$  HOLE FOR  
 $\frac{1}{4}$ "  $\varnothing$  THREADED ROD 13" LONG  
WITH NUTS AND WASHERS

PLAN NOTE:  
ON EXISTING DECK DRAINS WITH EXTENSIONS,  
REMOVE BOTTOM PORTION OF EXISTING DRAIN.  
(COST INCLUDED WITH PLUG EXISTING DECK DRAINS)

POLYMERIZED HMA AROUND DRAIN AT CURB SHALL  
BE COMPACTED TO SATISFACTION OF ENGINEER.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DECK DRAIN REPAIR**  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
SN 057-0126

SCALE: NA      DRAWN BY: JRP  
DATE: 03/22/07      CHECKED BY:

PLOT DATE : 3/26/2007  
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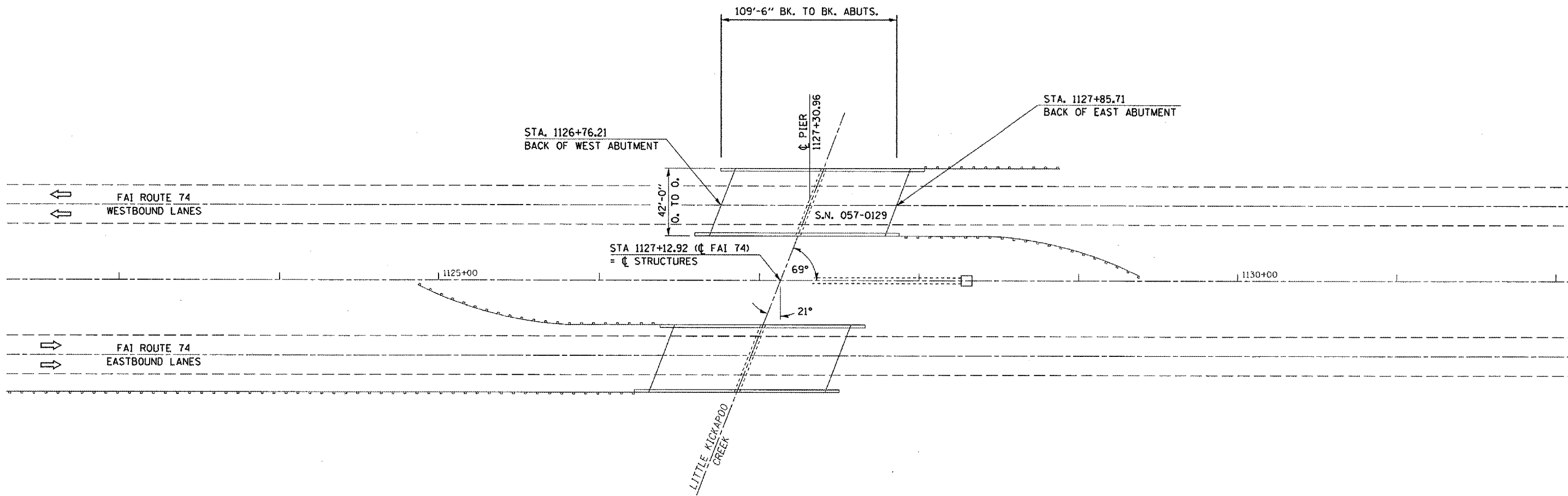
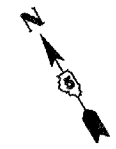


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	29
STA. 1123+00		TO STA. 1132+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\* 57-21B&57-22B&BDR

SHEET 1 OF 14

## GENERAL PLAN S.N. 057-0129



PLAN VIEW  
S.N. 057-0129 W.B.

### BILL OF MATERIALS

ITEM	UNITS	QUANTITY
POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	44.0
HOT-MIX ASPHALT REMOVAL (DECK)	SQ YD	441.0
PLUG EXISTING DECK DRAINS	EACH	10.0
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90,	TON	44.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	11.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	60.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	66.0
FLOOR DRAIN EXTENSIONS	EACH	24.0
SILICONE JOINT SEALER, 1 1/2"	FOOT	86.0
REINFORCEMENT BARS, EPOXY COATED	POUNDS	3,390.0
POLYMER CONCRETE	CU FT	6.4
BAR SPLICER	EACH	24.0
CONCRETE REMOVAL	CU YD	23.7
CONCRETE SUPERSTRUCTURE	CU YD	23.7

### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE THE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE CONTRACT UNIT PRICE FOR THE WORK.

THE DECK SLAB REPAIR (PARTIAL & FULL DEPTH) QUANTITY IS ESTIMATED AND THE ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER AFTER THE HOT-MIX ASPHALT OVERLAY AND WATERPROOFING ARE REMOVED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS ON SHEET 5 OF 14.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
GENERAL PLAN  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0129

SCALE: 1" = 30'  
DATE: 03/22/07

DRAWN BY: JRP  
CHECKED BY:

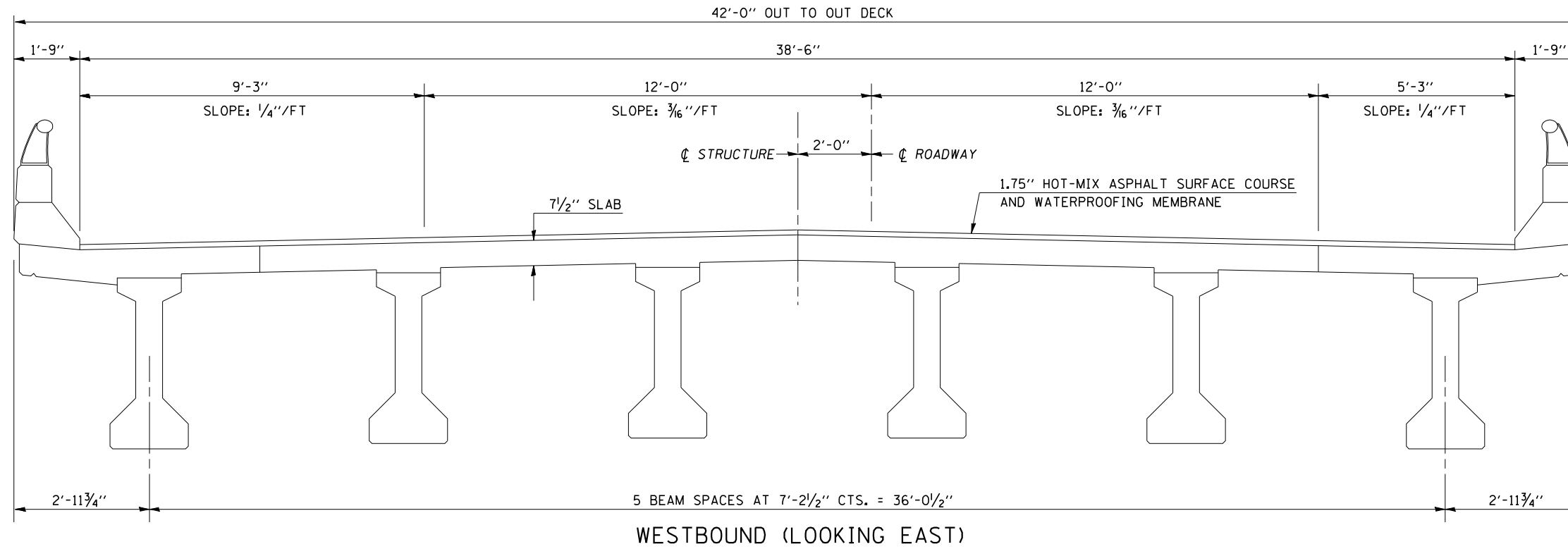
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	30

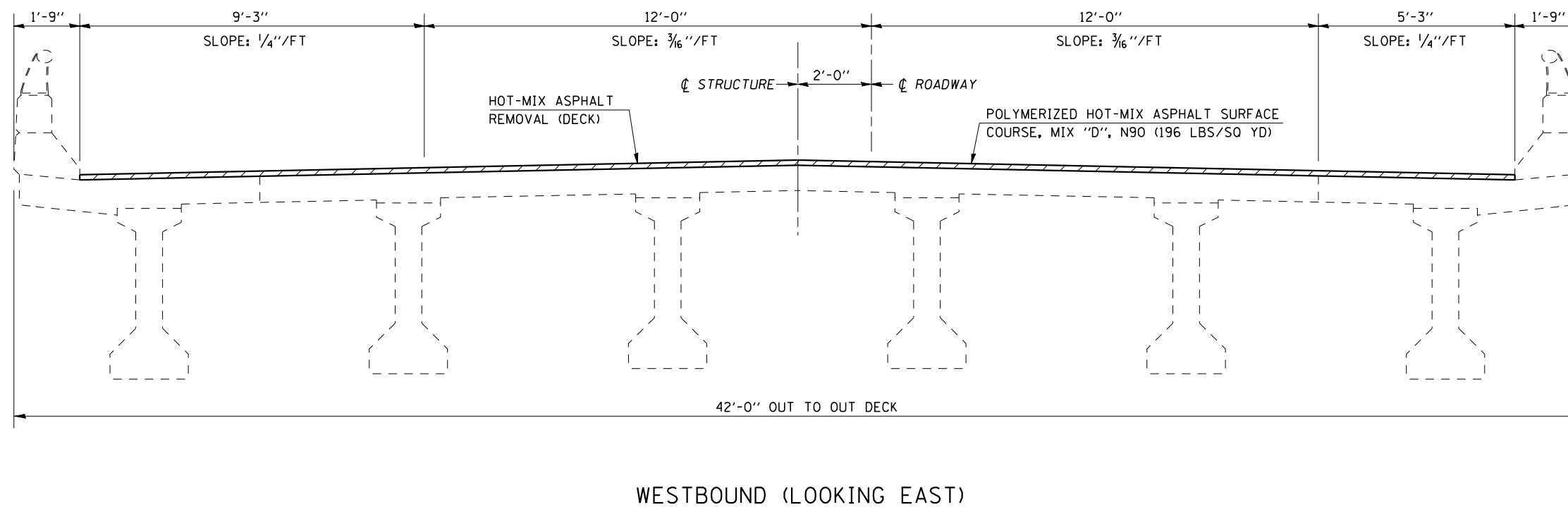
\* (57-21B&57-22B)&BDR

SHEET 2 OF 14

### EXISTING TYPICAL CROSS SECTION S.N. 057-0129



### PROPOSED TYPICAL CROSS SECTION S.N. 057-0129



ILLINOIS DEPARTMENT OF TRANSPORTATION  
TYPICAL CROSS SECTION  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0129

SCALE: NA DRAWN BY: JRP  
DATE: 03/22/07 CHECKED BY:

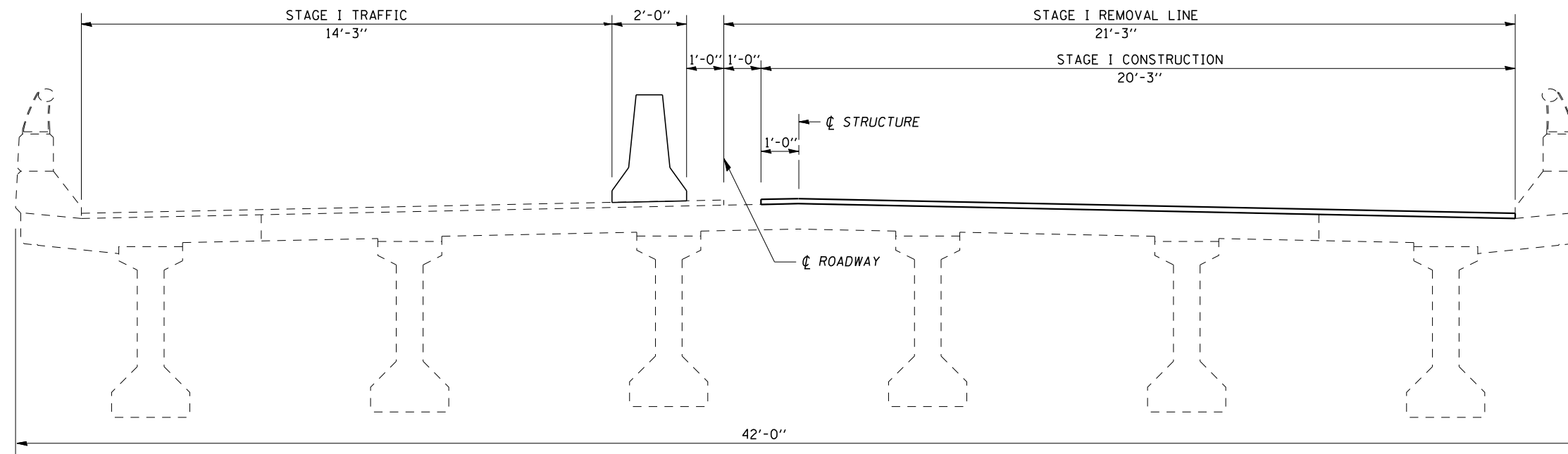
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74	*	MCLEAN	49	31

\* (57-21B&57-22B)&BDR

SHEET 3 OF 14

### STAGE I CONSTRUCTION

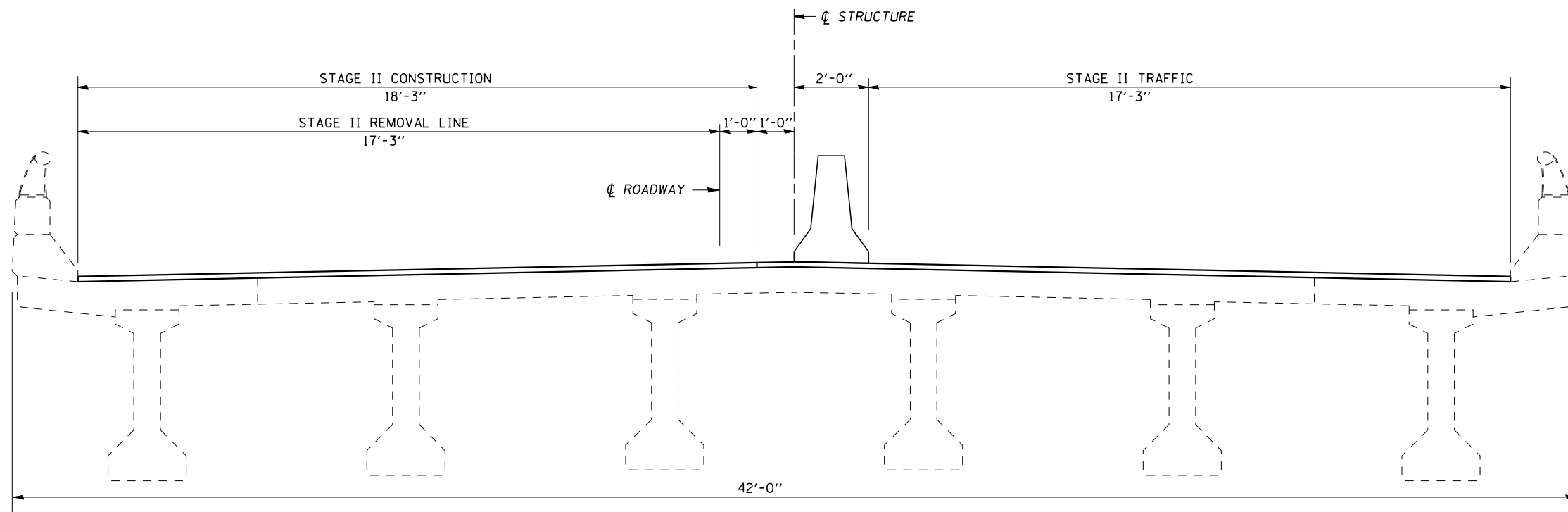
S.N. 057-0129



WESTBOUND (LOOKING WEST)

### STAGE II CONSTRUCTION

S.N. 057-0129



WESTBOUND (LOOKING WEST)

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 USER NAME : creigre

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**STAGE CONSTRUCTION**  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 MCLEAN COUNTY  
 S.N. 057-0129

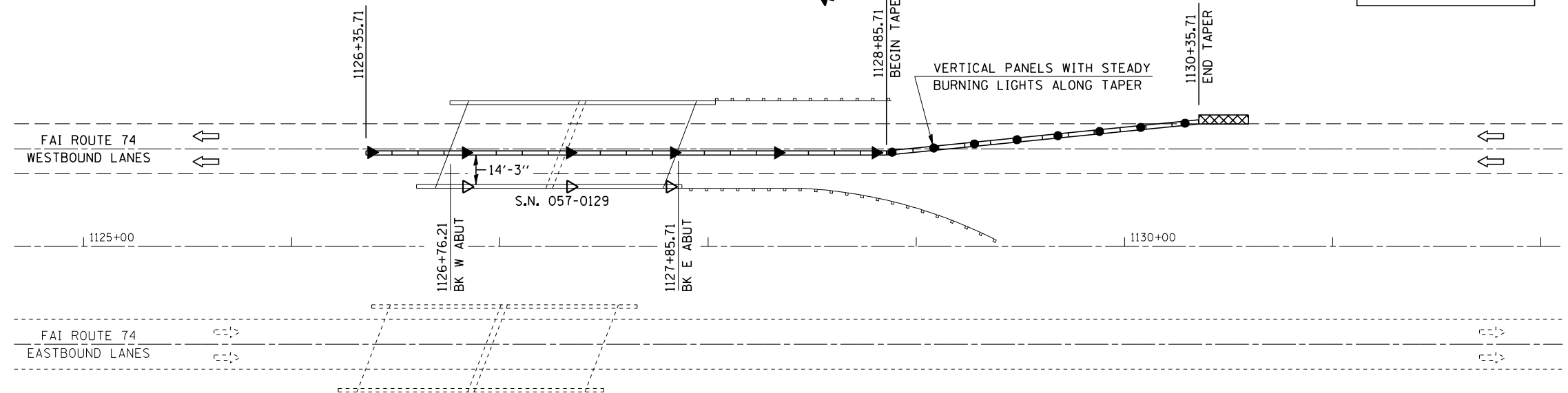
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\*(57-21B&57-22B)&BDR

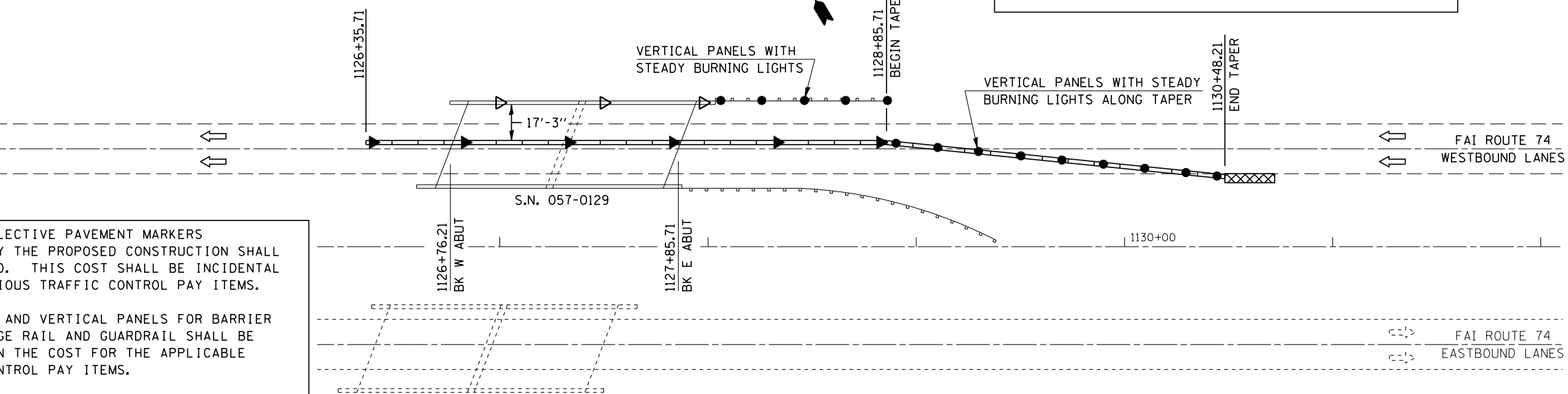
SHEET 4 OF 14

### STAGE I CONSTRUCTION S.N. 057-0129 (WESTBOUND)



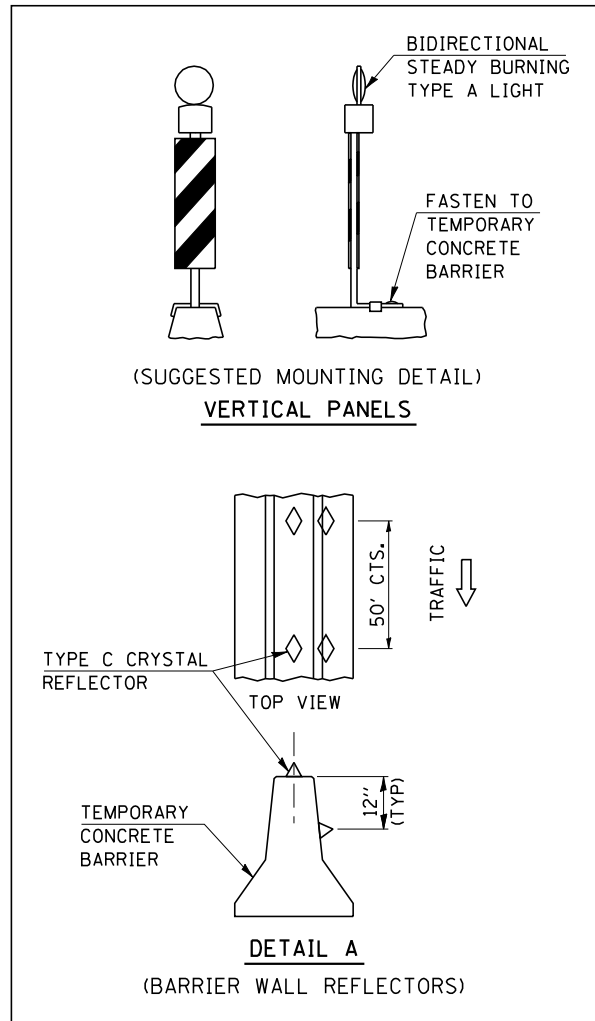
70400100 TEMPORARY CONCRETE BARRIER  
STA 1126+35.71 TO STA 1130+35.71 = 400.0'

### STAGE II CONSTRUCTION S.N. 057-0129 (WESTBOUND)



70400200 RELOCATE TEMPORARY CONCRETE BARRIER  
STA 1126+35.71 TO STA 1130+48.21 = 412.5'

SYMBOLS	
◀	AMBER MONODIRECTIONAL REFLECTOR 50' CTS
◁	CRYSTAL MONODIRECTIONAL REFLECTOR 50' CTS
▬	TEMPORARY CONCRETE BARRIER
●	VERTICAL PANELS WITH STEADY BURNING LIGHTS ALONG TAPER 20' CTS
⊠	IMPACT ATTENUATOR



**PLAN NOTES:**

ALL STAGING DETAILS SET UP IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION 701402.

PRIOR TO BARRIER PLACEMENT TRAFFIC CONTROL SHALL BE SET UP IN ACCORDANCE WITH STANDARD 701406.

TRAFFIC CONTROL DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400 AND 701402.

MESSAGE BOARD SHALL BE PLACED TWO WEEKS PRIOR TO CONSTRUCTION AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

RESIDENT ENGINEER AND TRAFFIC CONTROL SUPERVISOR SHALL PROVIDE APPROPRIATE MESSAGE FOR CMS.

RAISED REFLECTIVE PAVEMENT MARKERS AFFECTED BY THE PROPOSED CONSTRUCTION SHALL BE REPLACED. THIS COST SHALL BE INCIDENTAL TO THE VARIOUS TRAFFIC CONTROL PAY ITEMS.

REFLECTORS AND VERTICAL PANELS FOR BARRIER WALL, BRIDGE RAIL AND GUARDRAIL SHALL BE INCLUDED IN THE COST FOR THE APPLICABLE TRAFFIC CONTROL PAY ITEMS.

ATTACH VERTICAL PANELS TO THE LEFT GUARDRAIL AT 25 FOOT CENTERS DURING STAGE II. THIS COST WILL BE INCIDENTAL TO STANDARD 701402.

REFLECTORIZED TEMPORARY MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE EDGE LINE SHALL BE YELLOW FOR LEFT LANE CLOSURES. COST FOR THE PLACEMENT AND REMOVAL SHALL BE INCLUDED IN COST FOR APPLICABLE TRAFFIC CONTROL PAY ITEM.

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USER NAME = phillips\_j

ILLINOIS DEPARTMENT OF TRANSPORTATION  
STAGE CONSTRUCTION  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
S.N. 057-0129

SCALE: 1" = 30'  
DATE: 03/24/07  
DRAWN BY: JRP  
CHECKED BY:



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	33

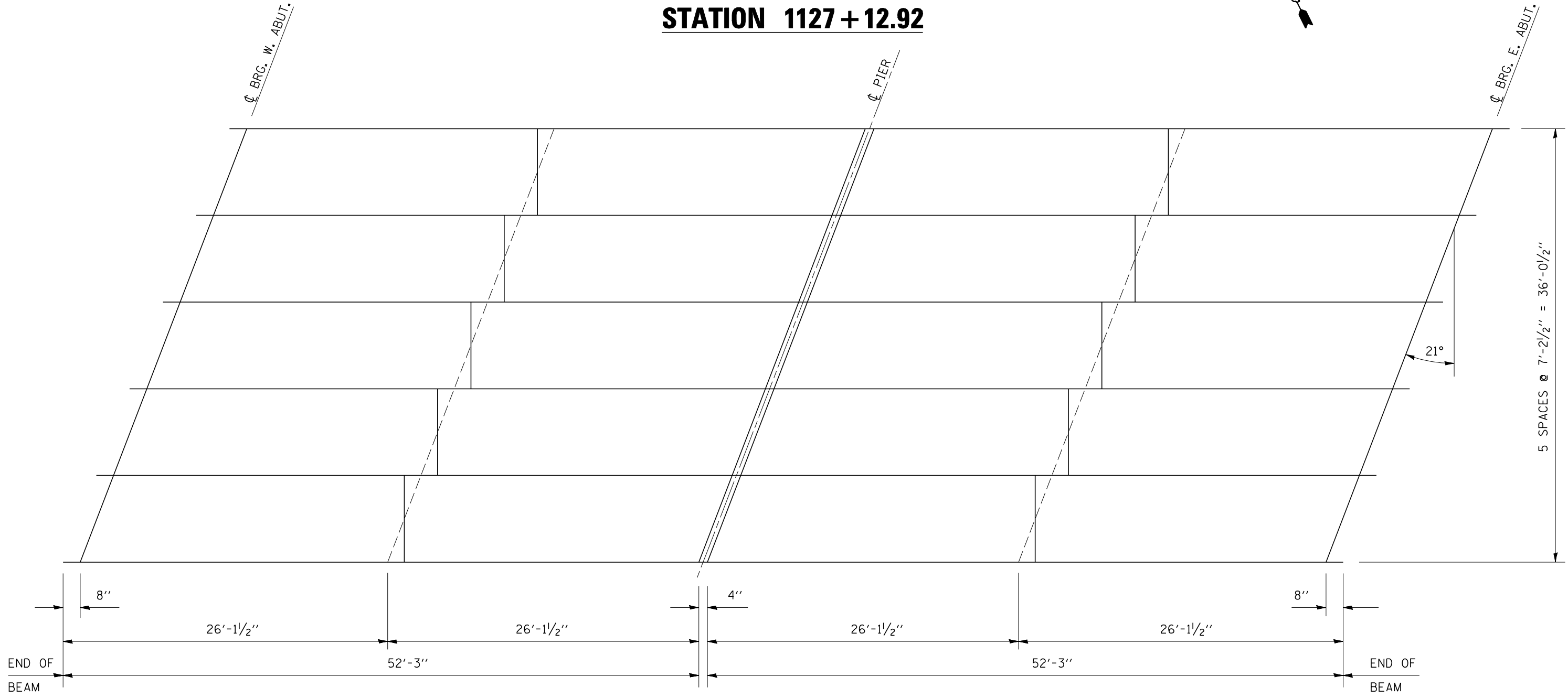
\* (57-21B&57-22B)&BDR

SHEET 5 OF 14

# LOCATION OF FULL DEPTH PATCHING

## S.N. 057-0129 WESTBOUND

### STATION 1127+12.92



### PLAN VIEW OF AS-BUILT PATCHES

**NOTES:**

AREAS OF PARTIAL AND FULL DEPTH PATCHES SHALL BE DETERMINED BY THE ENGINEER AFTER THE BITUMINOUS OVERLAY AND WATERPROOFING ARE REMOVED.

QUANTITIES OF DECK REPAIR HAVE BEEN ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

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FILE NAME = c:\projects\70641\70641cover.dgn  
PLOT SCALE = 1/8"=1'-0"  
USER NAME = creigre

ILLINOIS DEPARTMENT OF TRANSPORTATION	
LOCATION OF FULL DEPTH PATCHING	
F.A.I. ROUTE 74	
SECTION (57-21B&57-22B)&BDR	
MCLEAN COUNTY	
S.N. 057-0129	
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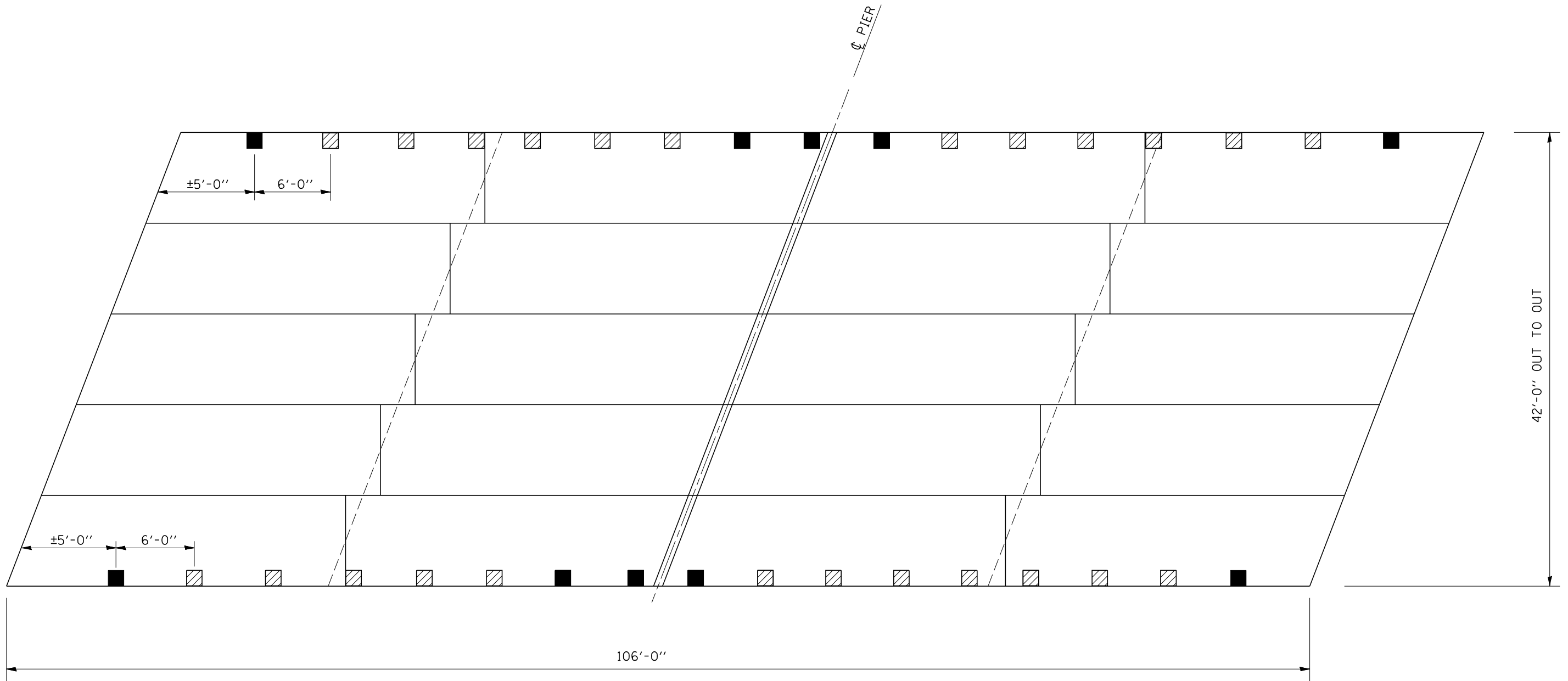
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	34

\* (57-21B&57-22B)&BDR

SHEET 6 OF 14

# LOCATION OF DRAINS

## S.N. 057-0129 WESTBOUND



NOTE:  
SEE DRAIN ELIMINATION DETAIL  
FOR DRAINS TO BE ELIMINATED.

LEGEND	
■	EXISTING DRAINS TO BE ELIMINATED
▨	EXISTING DRAINS TO BE EXTENDED

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION OF DRAINS**  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 MCLEAN COUNTY  
 S.N. 057-0129

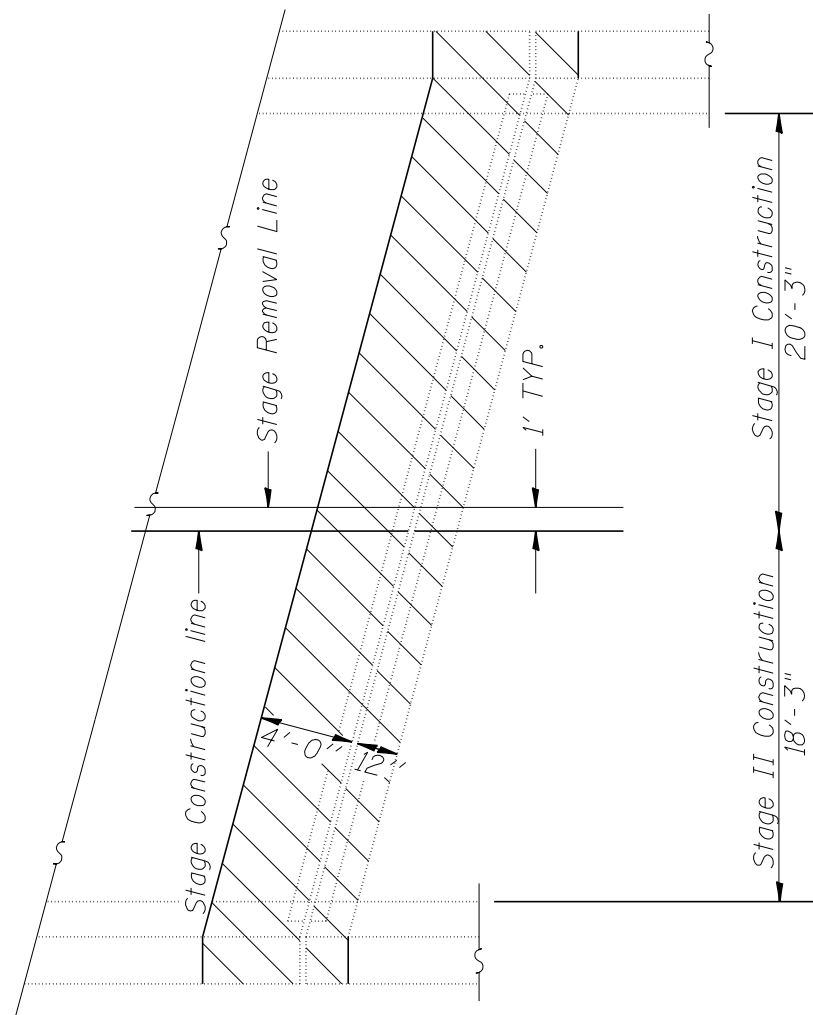
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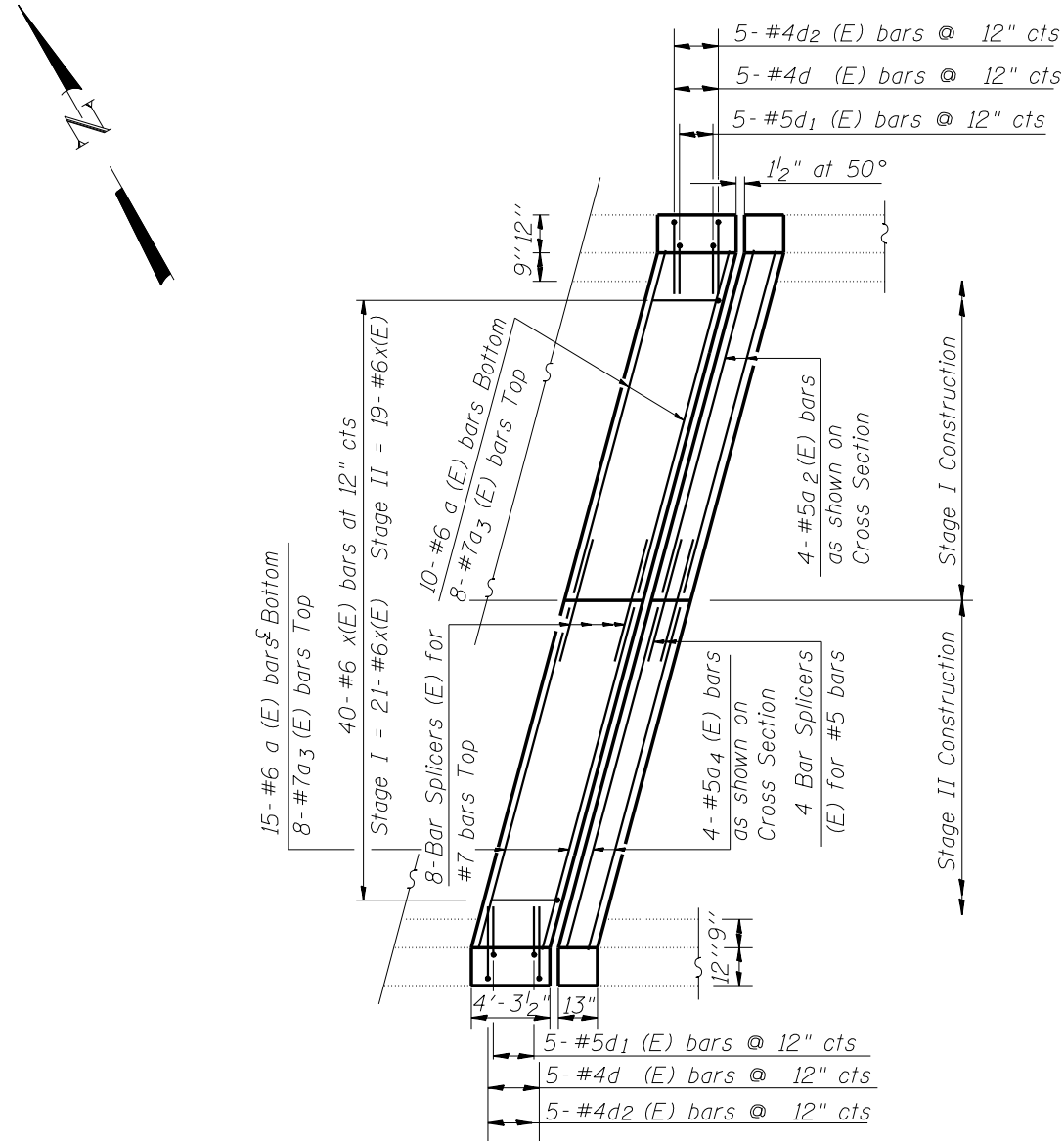
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 PLOT SCALE : 1/8"=1'-0"  
 USER NAME : creigre

# JOINT REPAIR AT EAST ABUTMENT

## SN 057-0129



**EXISTING PARTIAL PLAN**  
JOINT AT EAST ABUTMENT



**PROPOSED PARTIAL PLAN**  
JOINT AT EAST ABUTMENT

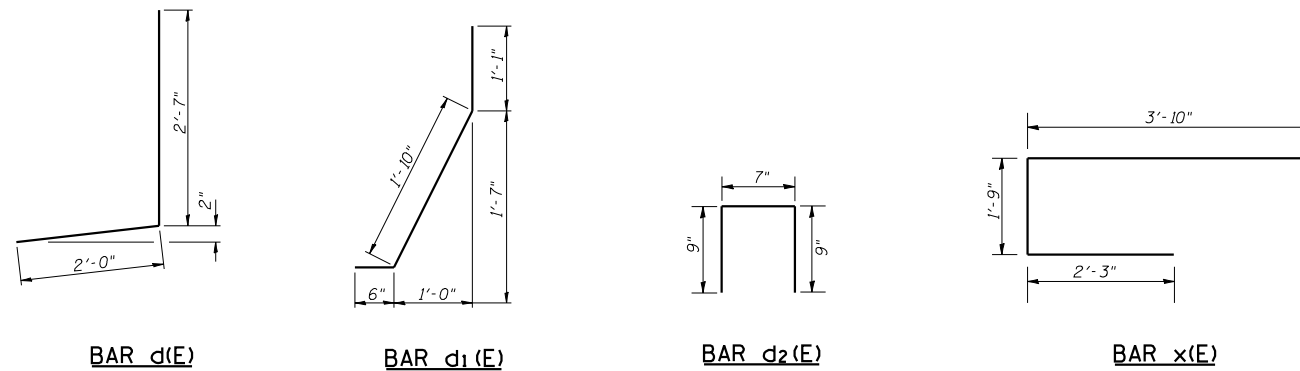
### BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a (E)	25	#6	6'-9"	—
a <sub>1</sub> (E)	8	#7	22'-9"	—
a <sub>2</sub> (E)	4	#5	22'-9"	—
a <sub>3</sub> (E)	8	#7	20'-7"	—
a <sub>4</sub> (E)	4	#5	20'-7"	—
d(E)	10	#4	4'-7"	J
d(E)	10	#5	3'-5"	J
d <sub>2</sub> (E)	10	#4	2'-1"	□
x(E)	40	#6	7'-10"	┌
Reinforcement Bars, Epoxy Coated			Pound	1,695
Concrete Superstructure			Cu. Yd.	11.85

Reinforcement bars designated (E) shall be epoxy coated.

Hatched area indicates Concrete Removal.

See Sheet 8 of 14 for Section Thru Parapet and Proposed Joint Section



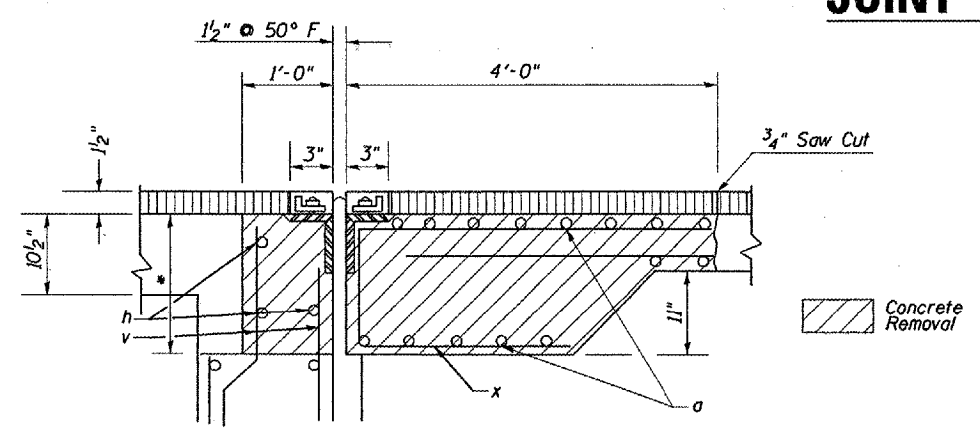
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**JOINT REPAIR AT EAST ABUTMENT**  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 MCLEAN COUNTY  
 SN 057-0129

SCALE: NA      DRAWN BY: RC  
 DATE: 03/28/07      CHECKED BY:

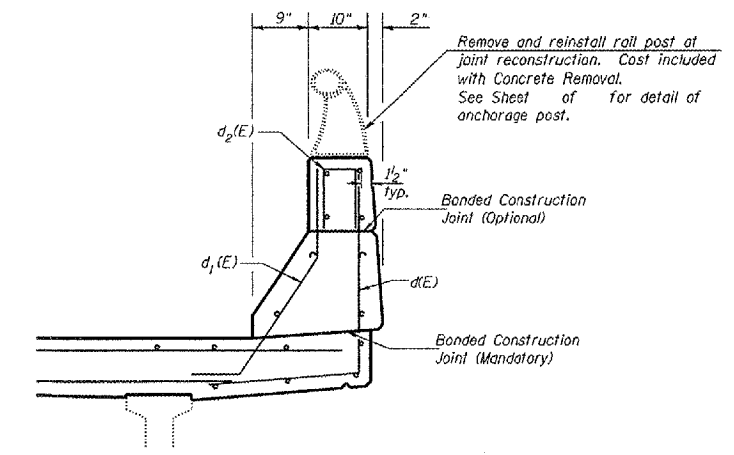
# JOINT REPAIR AT EAST ABUTMENT

## SN 057-0129

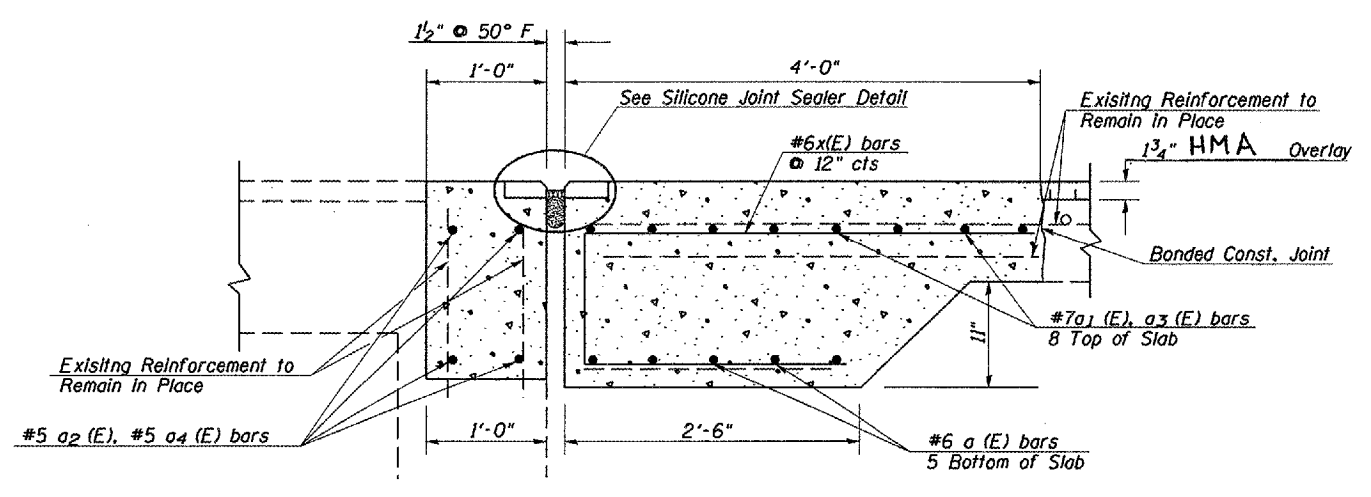


\* Varies from 1'-3 5/8" to 1'-8"  
 Note: Removal of Neoprene Expansion Joint is included in the cost of Concrete Removal

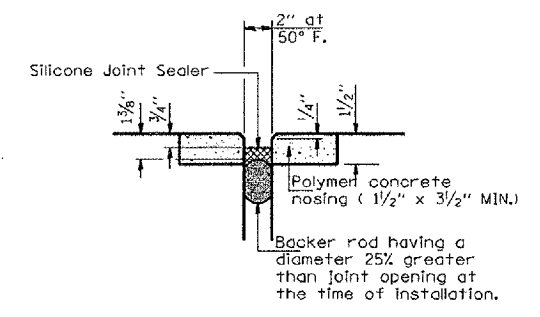
EXISTING SECTION AT EAST ABUTMENT



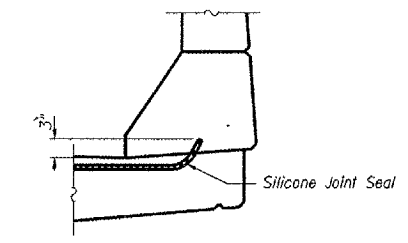
SECTION THRU PARAPET



PROPOSED SECTION AT EAST ABUTMENT



SILICONE JOINT SEALER DETAIL



TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT

### BILL OF MATERIAL

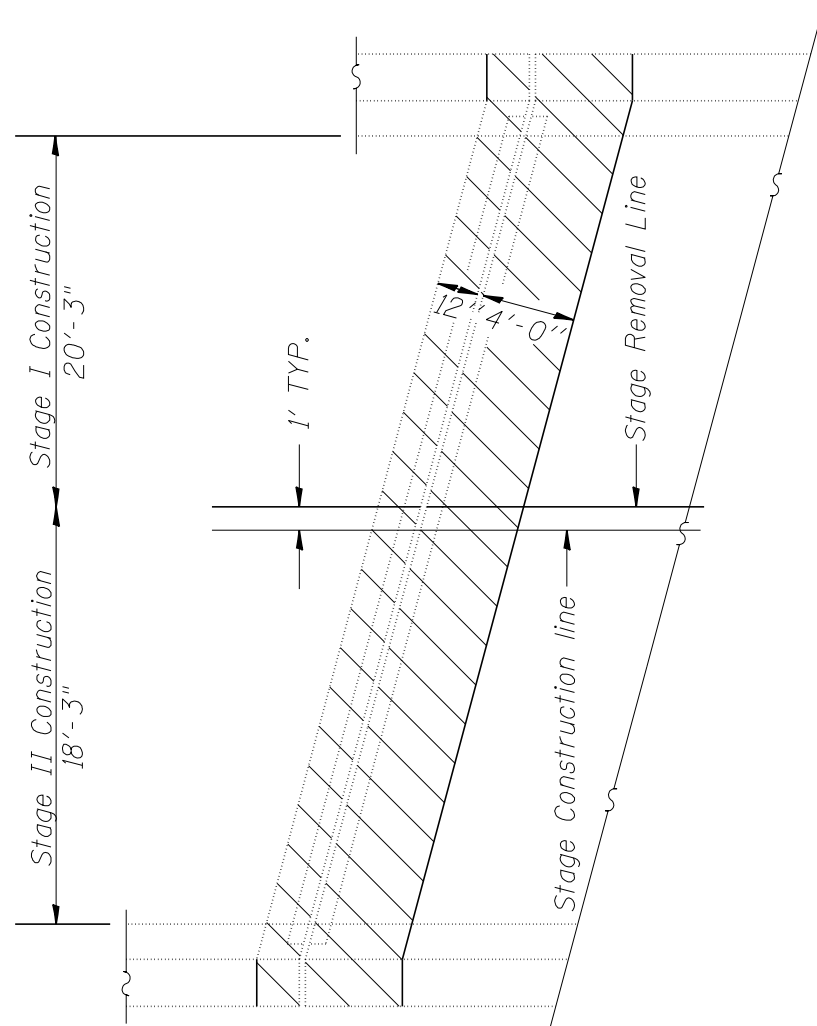
Item	Unit	TOTAL
Concrete Removal	Cu. Yd.	11.85
Concrete Superstructure	Cu. Yd.	11.85
Polymer Concrete	Cu. Ft.	3.2
Reinforcement Bars, Epoxy Coated	Pound	1695
Silicone Joint Sealer, 1 1/2"	Foof	43
Bar Splicers	Each	12

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 JOINT REPAIR AT EAST ABUTMENT  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 MCLEAN COUNTY  
 SN 057-0129  
 SCALE: NA  
 DATE: 03/28/07  
 DRAWN BY: RC  
 CHECKED BY:

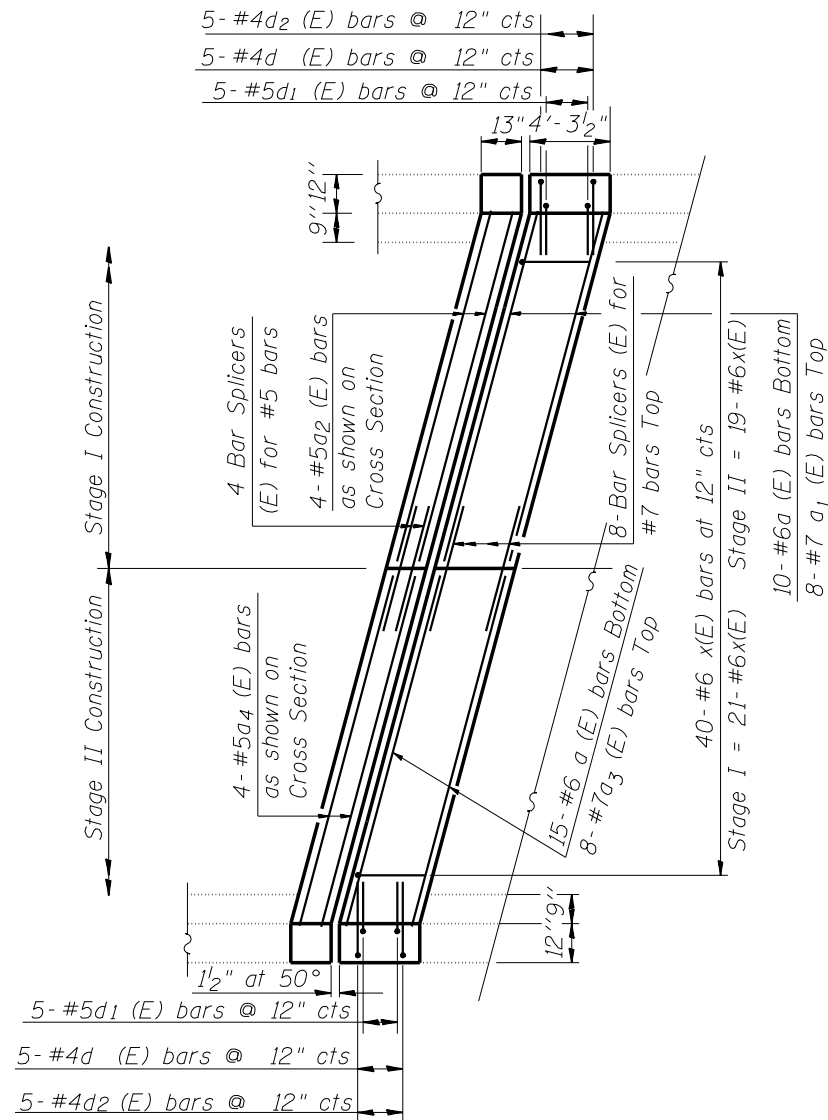
PLOT DATE: 3/28/2007  
 FILE NAME: c:\p\0570129\0570129.dgn  
 PLOT SCALE: 1/8" = 1'-0"  
 USER NAME: crange

# JOINT REPAIR AT WEST ABUTMENT

## SN 057-0129



**EXISTING PARTIAL PLAN**  
JOINT AT WEST ABUTMENT



**PROPOSED PARTIAL PLAN**  
JOINT AT WEST ABUTMENT

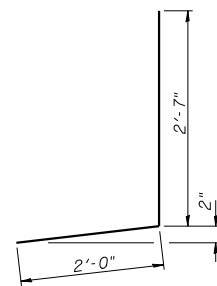
### BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a (E)	25	#6	6'-9"	—
a <sub>1</sub> (E)	8	#7	22'-9"	—
a <sub>2</sub> (E)	4	#5	22'-9"	—
a <sub>3</sub> (E)	8	#7	20'-7"	—
a <sub>4</sub> (E)	4	#5	20'-7"	—
d(E)	10	#4	4'-7"	J
d(E)	10	#5	3'-5"	J
d <sub>2</sub> (E)	10	#4	2'-1"	□
x(E)	40	#6	7'-10"	⊔
Reinforcement Bars, Epoxy Coated			Pound	1,695
Concrete Superstructure			Cu. Yd.	11.85

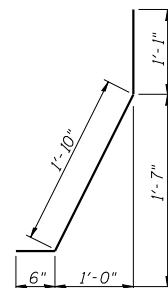
Reinforcement bars designated (E) shall be epoxy coated.

Hatched area indicates Concrete Removal.

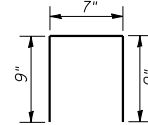
See Sheet 10 of 14 for Section Thru Parapet and Proposed Joint Section



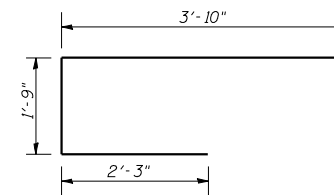
BAR d(E)



BAR d<sub>1</sub>(E)



BAR d<sub>2</sub>(E)



BAR x(E)



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	39

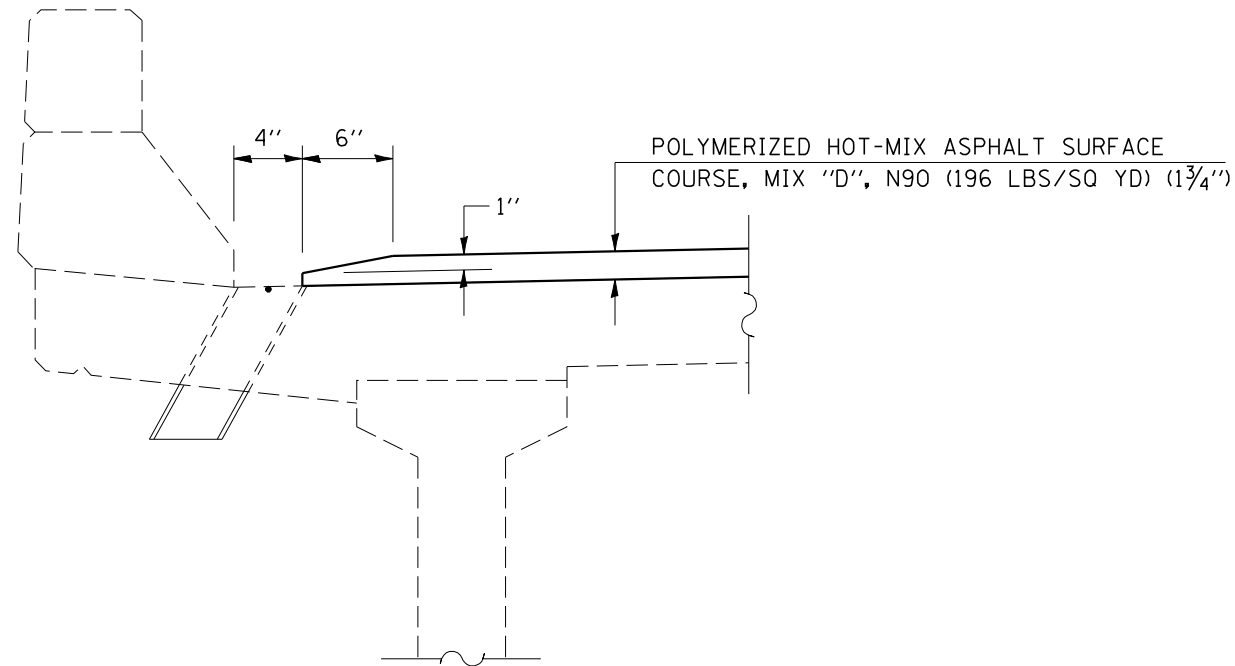
\* (57-21B&57-22B)&BDR

SHEET 11 OF 14

# DECK DRAIN REPAIR

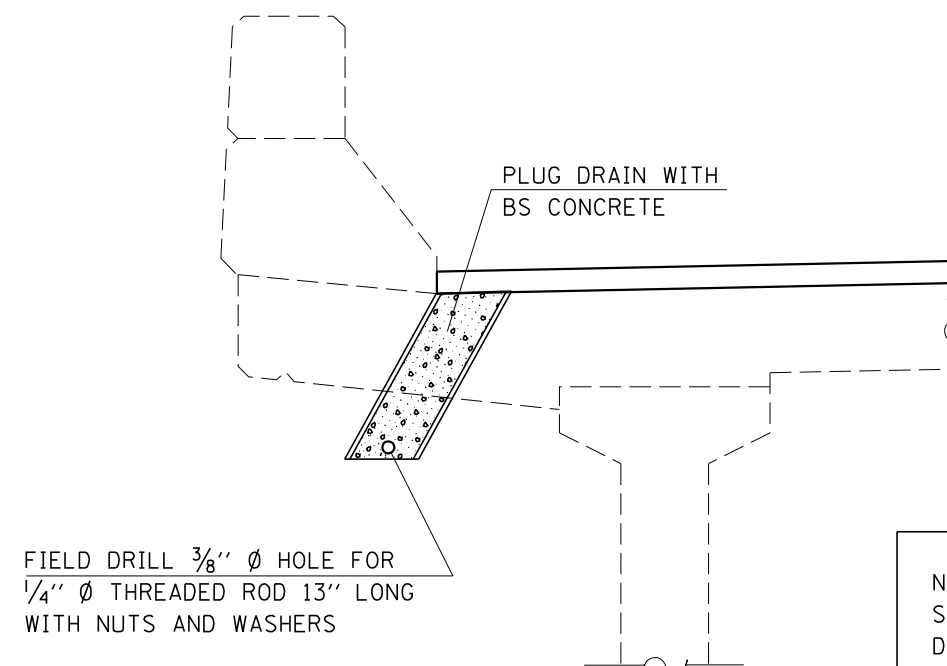
## SN 057-0129

### DETAIL OF DRAIN AT CURB



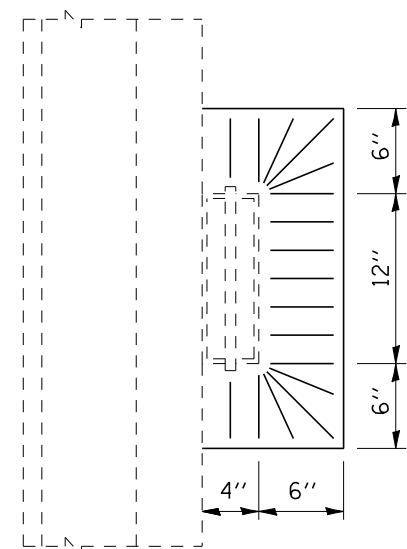
SECTION AT DRAIN

### DRAIN ELIMINATION DETAIL



NOTE:  
SEE SHEET 6 OF 14 FOR  
DRAINS TO BE PLUGGED

SECTION AT DRAIN



PLAN VIEW

PLAN NOTE:  
ON EXISTING DECK DRAINS WITH EXTENSIONS,  
REMOVE BOTTOM PORTION OF EXISTING DRAIN.  
(COST INCLUDED WITH PLUG EXISTING DECK DRAINS)

POLYMERIZED HMA AROUND DRAIN AT CURB SHALL  
BE COMPACTED TO SATISFACTION OF ENGINEER.

PLOT DATE : 3/26/2007  
 FILE NAME : c:\projects\0501187 (05170641cover.dgn  
 PLOT SCALE : 1/8"=1'-0" / IN.  
 USER NAME : creigre

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DECK DRAIN REPAIR  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
SN 057-0129

SCALE: NA  
DATE: 03/22/07

DRAWN BY: JRP  
CHECKED BY:

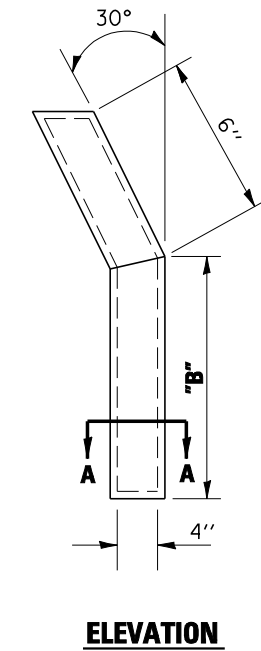
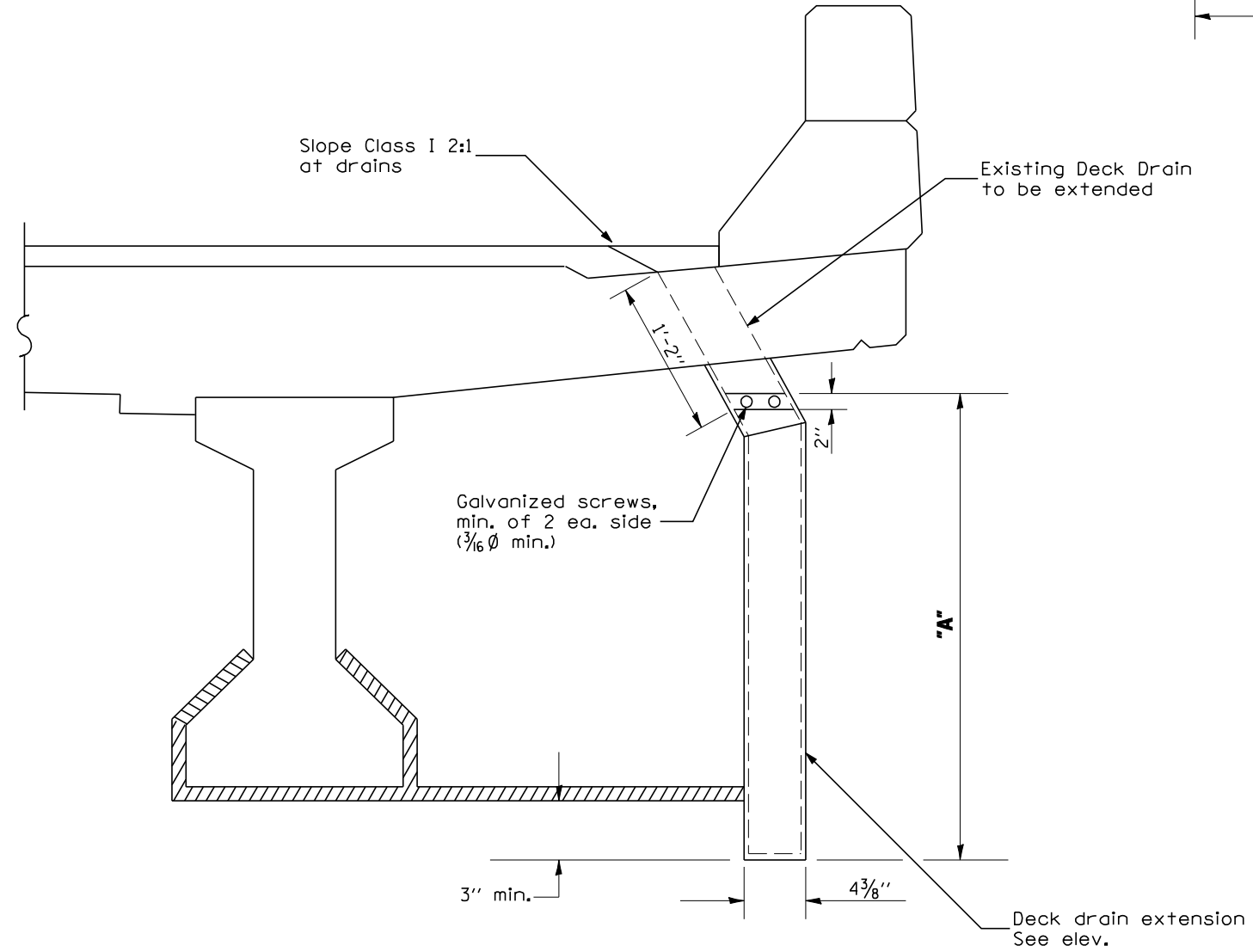
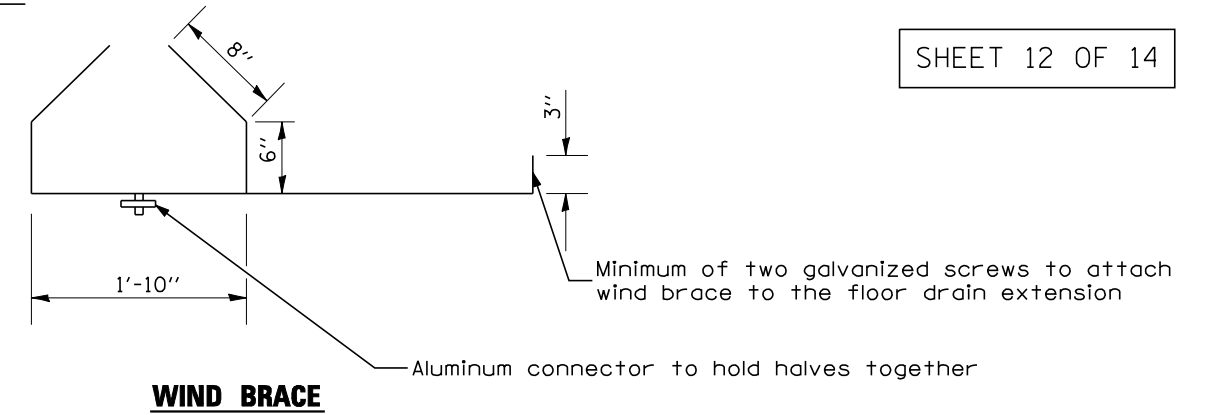
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	40

\* (57-21B&57-22B)&BDR

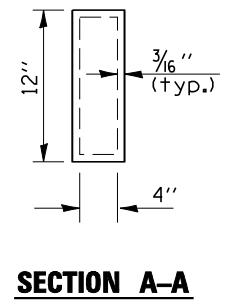
SHEET 12 OF 14

# FLOOR DRAIN EXTENSION

## SN 057-0129



**FABRICATION:**  
 Aluminum sheets welded  
 ASTM: B209 alloy 6061-T6  
 or aluminum extrusions  
 ASTM B221 alloy 60621-T6  
 (inside dimensions or shown)



NOTE:  
 SEE SHEET 6 OF 14 FOR  
 DRAINS TO BE EXTENDED.

WIND BRACE ( $\frac{1}{2}$ " x 2" bar stock)

**SECTION AT DRAINS TO BE EXTENDED**

DIMENSION	
"A"	3'-6"
"B"	3'-1"
TOTAL DRAINS	24.0

PLOT DATE = 3/26/2007  
 FILE NAME = c:\p\projects\0501187 (c81\70641cover.dgn  
 PLOT SCALE = 1/8"=1'-0" / IN.  
 USER NAME = creigre

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**FLOOR DRAIN EXTENSION**  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 MCLEAN COUNTY  
 S.N. 057-0129  
 SCALE: NA DRAWN BY: RC/JP  
 DATE: 03/26/07 CHECKED BY:



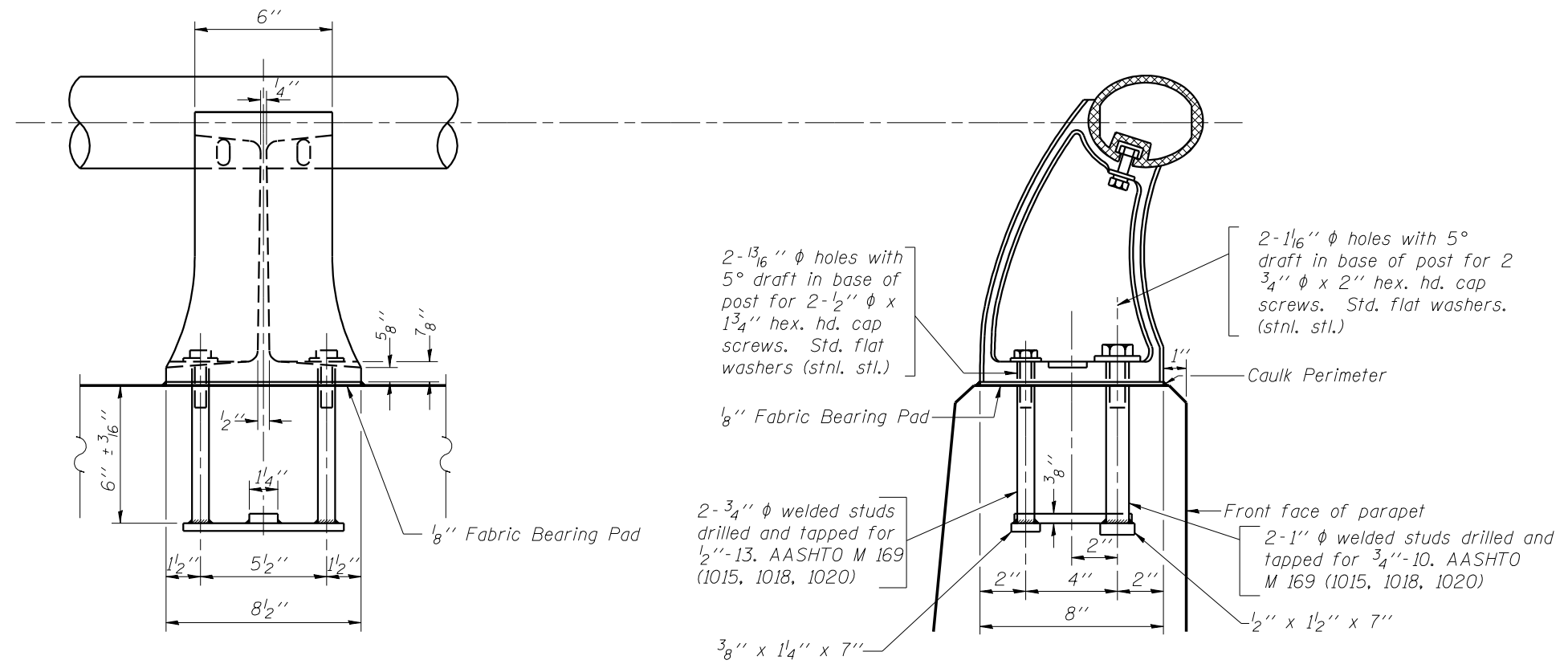
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	41

\* (57-21B&57-22B)&BDR

SHEET 13 OF 14

# DETAIL FOR ANCHORAGE OF POST

## SN 057-0129



ANCHORAGE OF POSTS

PLOT DATE : 3/26/2007  
 FILE NAME : c:\projects\0501187 (61)\70641cover.dgn  
 PLOT SCALE : 1/8"=1'-0"  
 USER NAME : creig

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DETAIL FOR ANCHORAGE OF POST  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 McLEAN COUNTY  
 S.N. 057-0129

SCALE: NA  
 DATE: 03/26/07

DRAWN BY: BO/JRP  
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	42

\* (57-21B&57-22B)&BDR

SHEET 14 OF 14

# BAR SPLICER ASSEMBLY DETAILS

## SN 057-0129

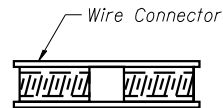
The diameter of this part is the same as the diameter of the bar spliced.

The diameter of this part is equal or larger than the diameter of bar spliced.

**ROLLED THREAD DOWEL BAR**



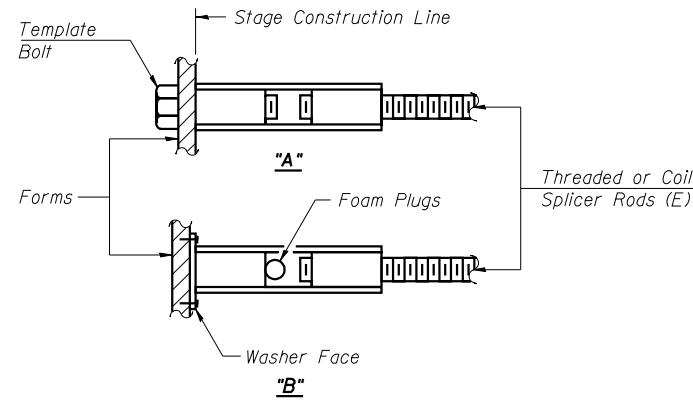
**\*\* ONE PIECE**



**WELDED SECTIONS**

### BAR SPLICER ASSEMBLY ALTERNATIVES

\*\* Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



### INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.  
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
 (E) : Indicates epoxy coating.

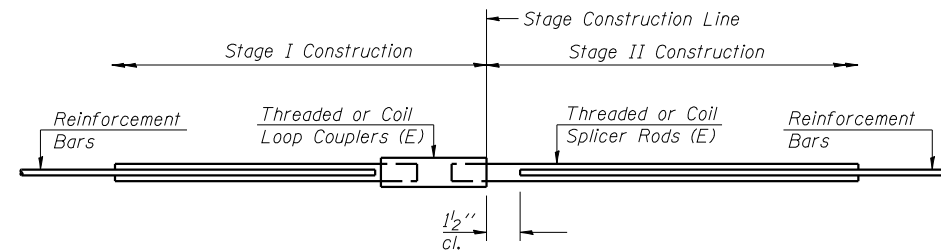
### NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.  
 Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.  
 All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.  
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.  
 Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- ① Minimum Capacity =  $1.25 \times f_y \times A_s$   
 (Tension in kips)
  - ② Minimum \*Pull-out Strength =  $0.66 \times f_y \times A_s$   
 (Tension in kips)
- Where  $f_y$  = Yield strength of lapped reinforcement bars in ksi.  
 $A_s$  = Tensile stress area of lapped reinforcement bars.  
 \* = 28 day concrete

### BAR SPLICER ASSEMBLIES

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



### STANDARD

Bar Size	No. Assemblies Required	Location
#5	4	East Abutment
#5	4	West Abutment
#7	8	East Abutment
#7	8	West Abutment

PLOT DATE : 3/26/2007  
 FILE NAME : c:\projects\0501187 (s)\70641cover.dgn  
 PLOT SCALE : 1/8"=1'-0" / IN.  
 USER NAME : crengre

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BAR SPLICER ASSEMBLY DETAILS**  
 F.A.I. ROUTE 74  
 SECTION (57-21B&57-22B)&BDR  
 MCLEAN COUNTY  
 S.N. 057-0129

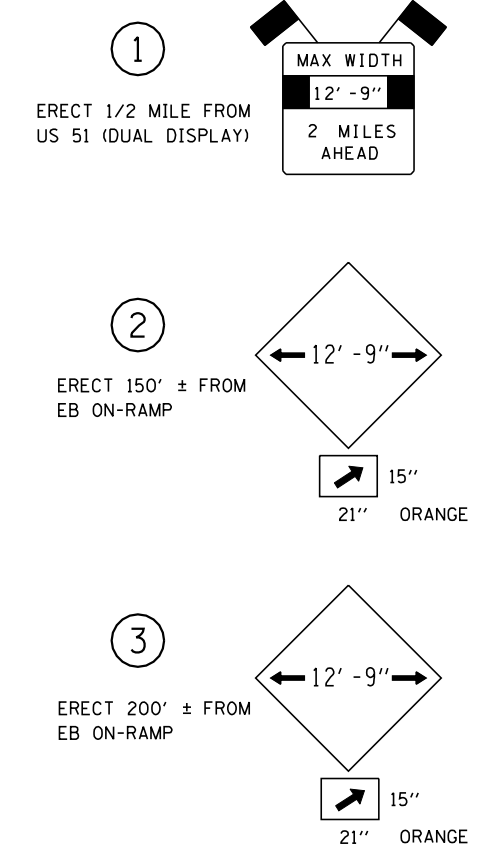
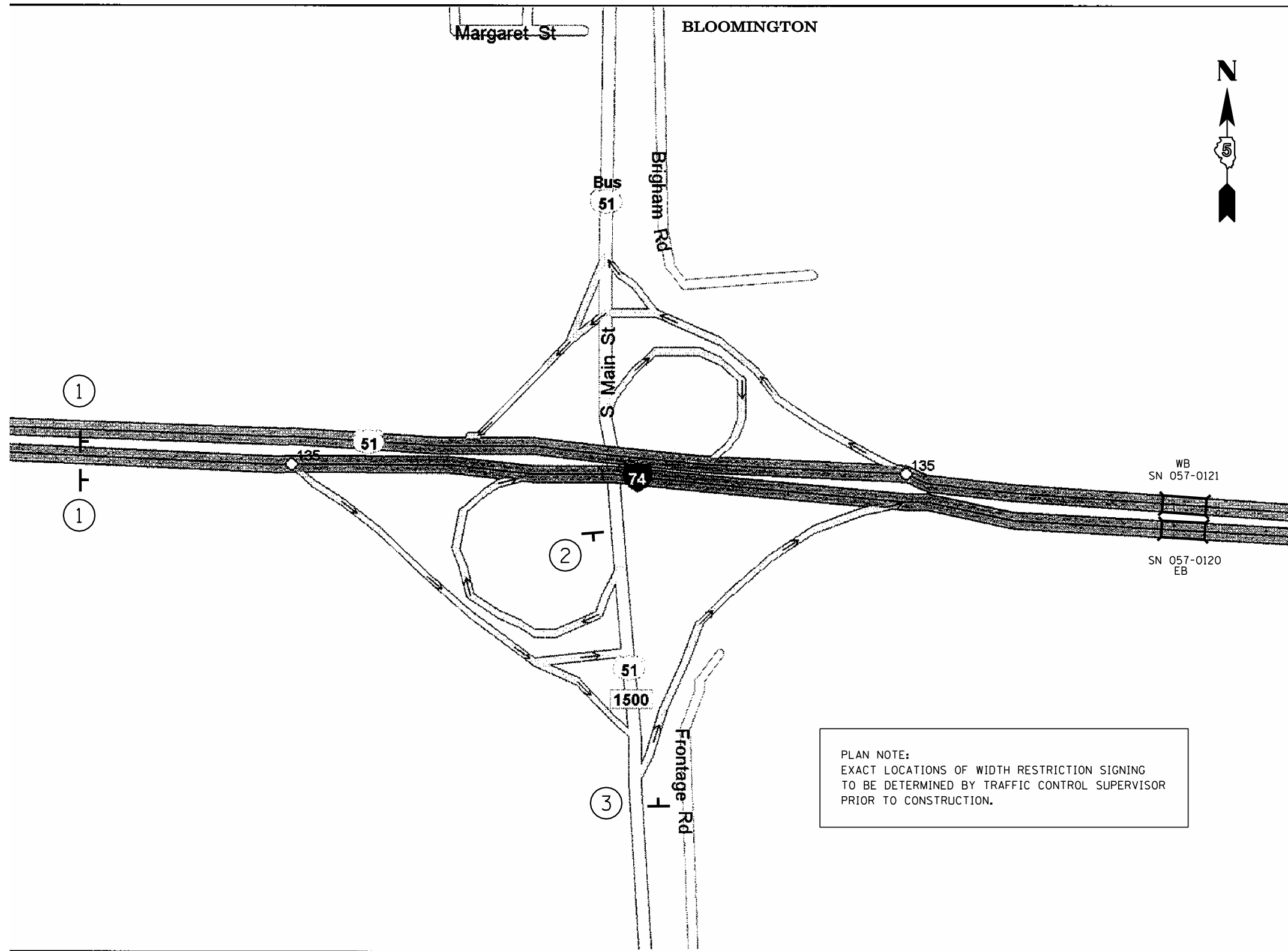
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 DRAWN BY: BO/JP  
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	43

\* (57-21B&57-22B)&BDR

SHEET 1 OF 4

# WIDTH RESTRICTION SIGNING DETAIL STAGE I ONLY



PLAN NOTE:  
EXACT LOCATIONS OF WIDTH RESTRICTION SIGNING  
TO BE DETERMINED BY TRAFFIC CONTROL SUPERVISOR  
PRIOR TO CONSTRUCTION.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
WIDTH RESTRICTION SIGNING DETAIL

F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY

SCALE: NA  
DATE: 03/27/07

DRAWN BY: JRP  
CHECKED BY:

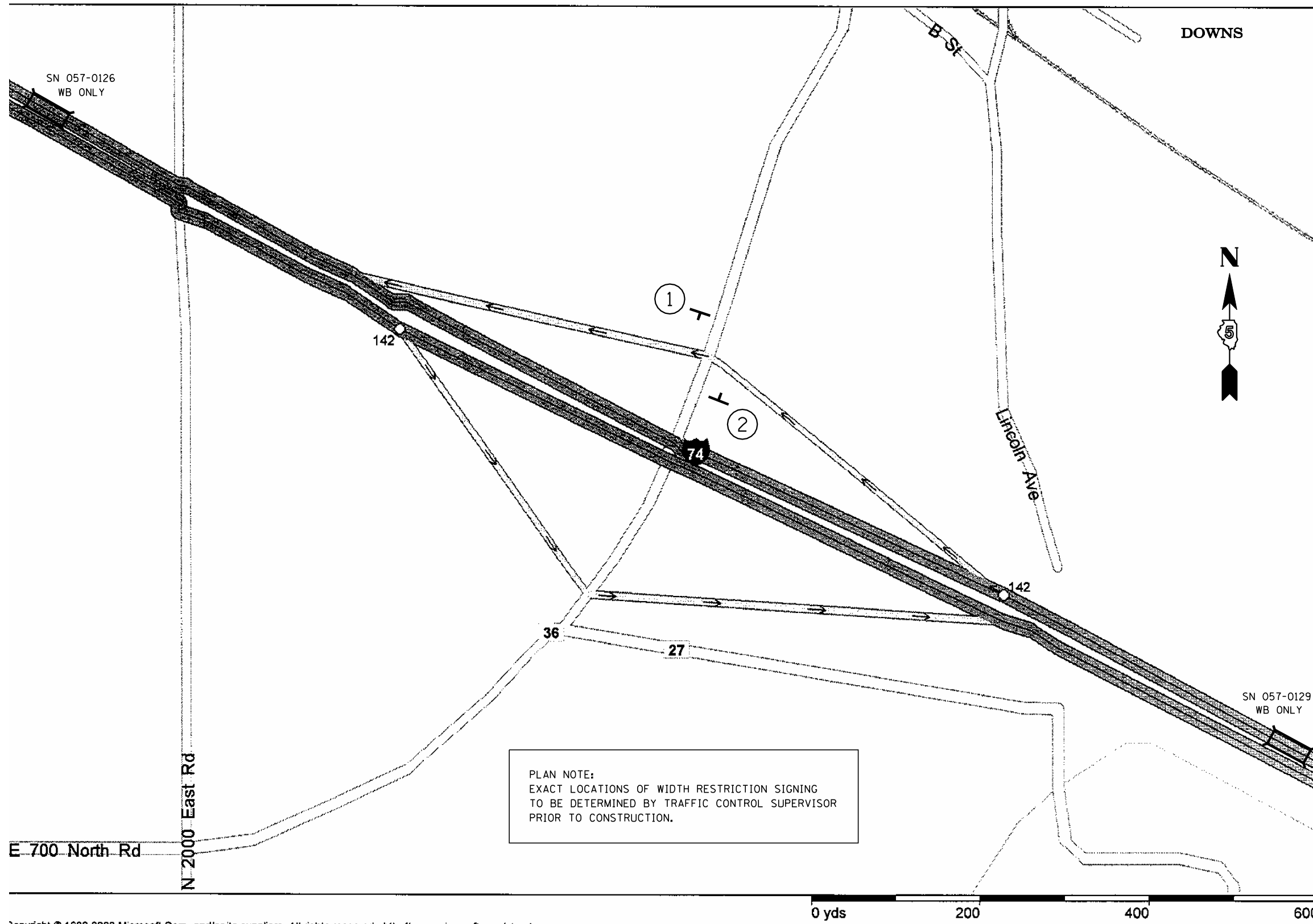
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PLOT SCALE : 1/8"=1'-0" / IN.  
USER NAME : creig

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	44

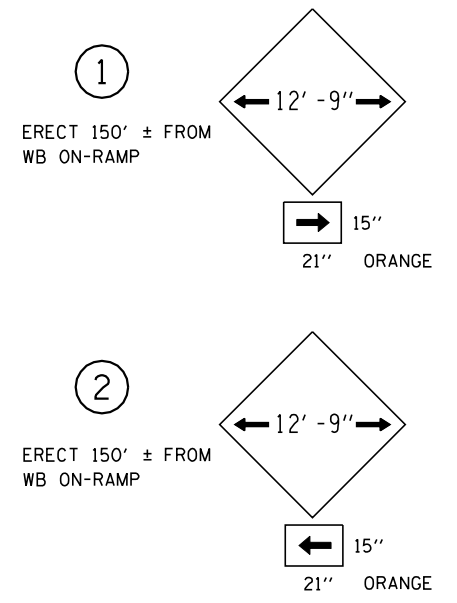
\* (57-21B&57-22B)&BDR

SHEET 2 OF 4

# WIDTH RESTRICTION SIGNING DETAIL STAGE I ONLY



PLAN NOTE:  
EXACT LOCATIONS OF WIDTH RESTRICTION SIGNING  
TO BE DETERMINED BY TRAFFIC CONTROL SUPERVISOR  
PRIOR TO CONSTRUCTION.



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FILE NAME : c:\projects\70641\70641cover.dgn  
PLOT SCALE : 1/8"=1'-0"  
USER NAME : creig

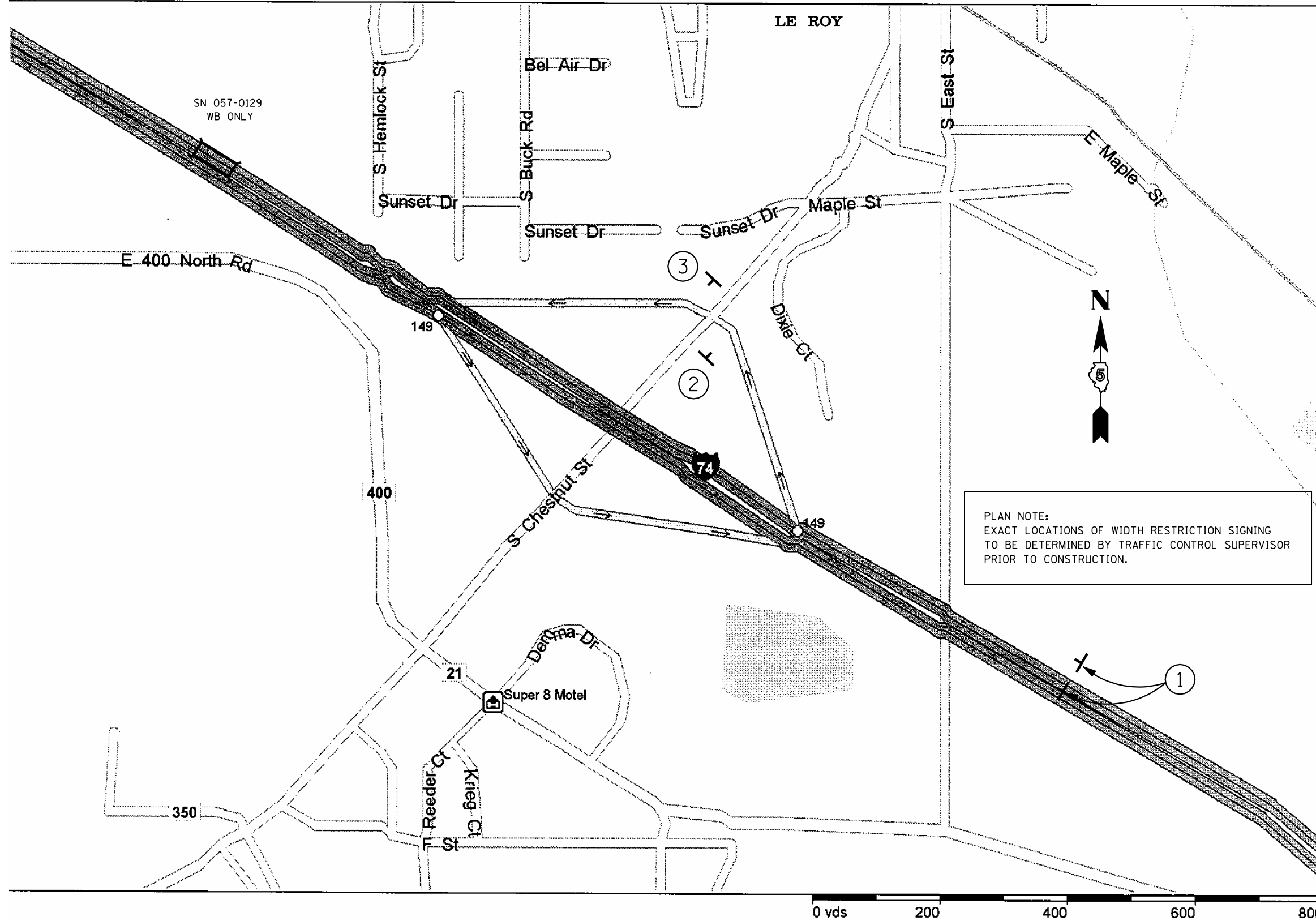
ILLINOIS DEPARTMENT OF TRANSPORTATION  
WIDTH RESTRICTION SIGNING DETAIL  
F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY  
SCALE: NA  
DATE: 03/27/07  
DRAWN BY: JRP  
CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	45

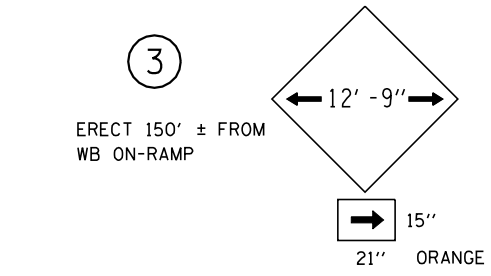
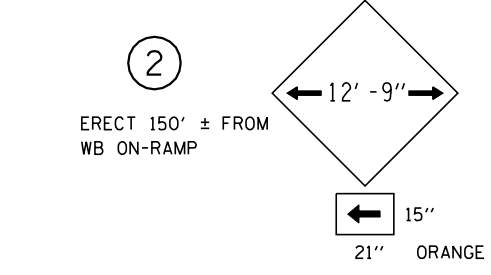
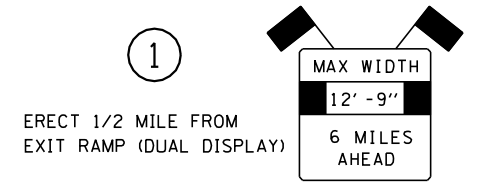
\* (57-21B&57-22B)&BDR

SHEET 3 OF 4

# WIDTH RESTRICTION SIGNING DETAIL STAGE I ONLY



PLAN NOTE:  
EXACT LOCATIONS OF WIDTH RESTRICTION SIGNING  
TO BE DETERMINED BY TRAFFIC CONTROL SUPERVISOR  
PRIOR TO CONSTRUCTION.



ILLINOIS DEPARTMENT OF TRANSPORTATION  
WIDTH RESTRICTION SIGNING DETAIL

F.A.I. ROUTE 74  
SECTION (57-21B&57-22B)&BDR  
MCLEAN COUNTY

SCALE: NA  
DATE: 03/27/07

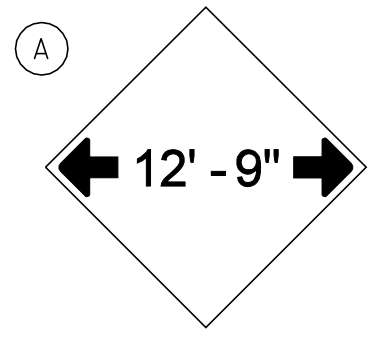
DRAWN BY: JRP  
CHECKED BY:

PLOT DATE : 3/26/2007  
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 USER NAME : creige

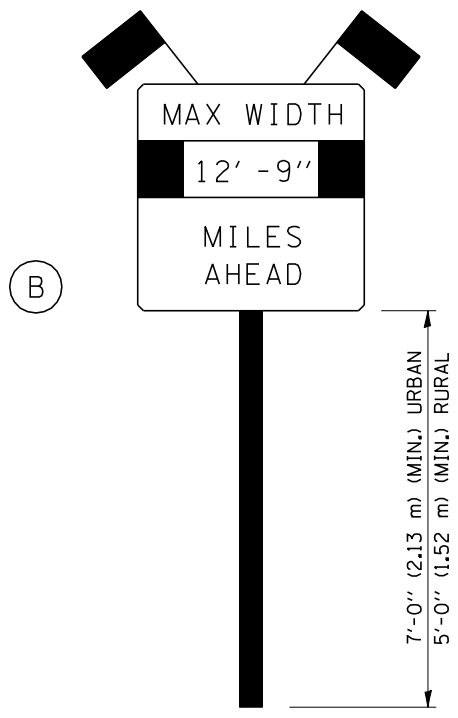
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	46

\* (57-21B&57-22B)&BDR

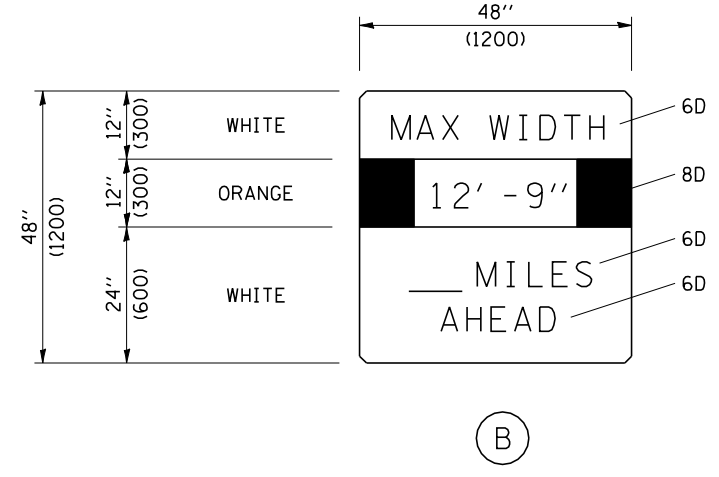
SHEET 4 OF 4



W12-2(0)-48"x48"(1200x1200)



SIGN PANEL, TYPE II



- SIGN (A) 2 SIGNS - W12-2(0)-48"x48"(1200x1200) ARE TO BE PLACED AT EACH END OF THE REPAIR IN EACH DIRECTION ALONG ROUTE \_\_\_\_.
- SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED APPROXIMATELY \_\_\_\_ MILES EACH SIDE OF THE PROJECT ON ROUTE \_\_\_\_.

GENERAL NOTES

- ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
- ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
- LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
- ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION WILL SUPPLY ALL "ROUTE MARKER" SIGNS, IF APPLICABLE. THE CONTRACTOR SHALL NOTIFY THE DISTRICT BUREAU OF OPERATIONS A MINIMUM OF 10 WORKING DAYS PRIOR TO PLACEMENT OF WIDTH RESTRICTION SIGNING TO ENSURE AVAILABILITY OR FABRICATION OF THE "ROUTE MARKER" SIGNS.
- ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
- ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.

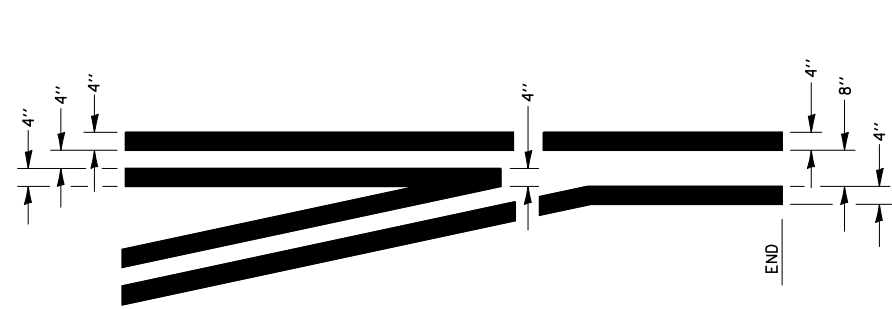
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL F-5.00	TJB	<b>WIDTH RESTRICTION SIGNING</b>
			<b>DISTRICT 5 DETAIL NO. X7200201</b>

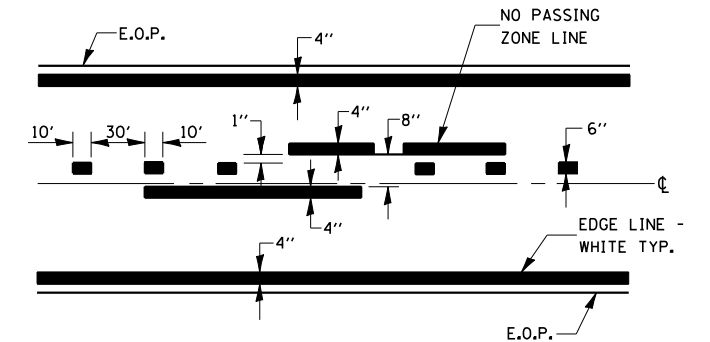
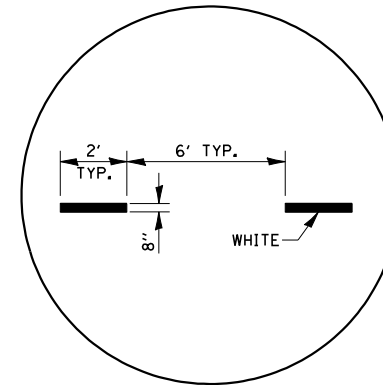
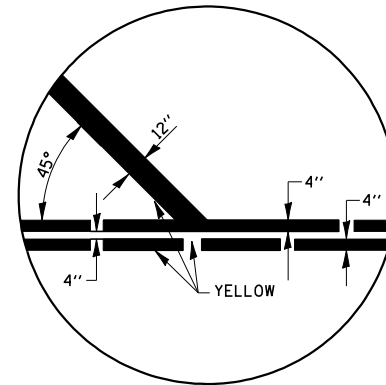
PLOT DATE : 3/26/2007  
 FILE NAME : c:\projects\45801187 (61)\70641cover.dgn  
 PLOT SCALE : 1/8"=1'-0" / IN.  
 USER NAME : crengre

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	47

\* (57-21B&57-22B)&BDR

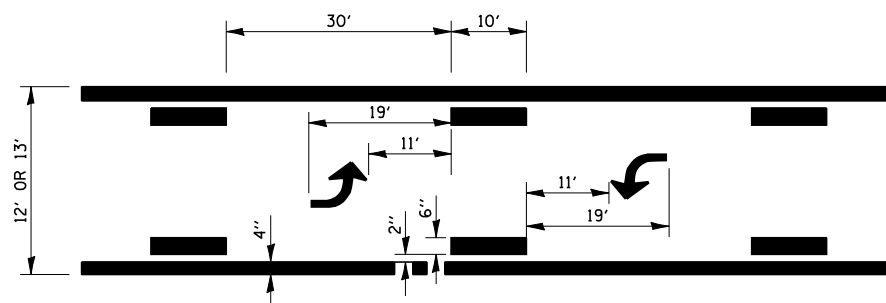


**TYPICAL APPLICATION  
@ LEFT TURN LANES**

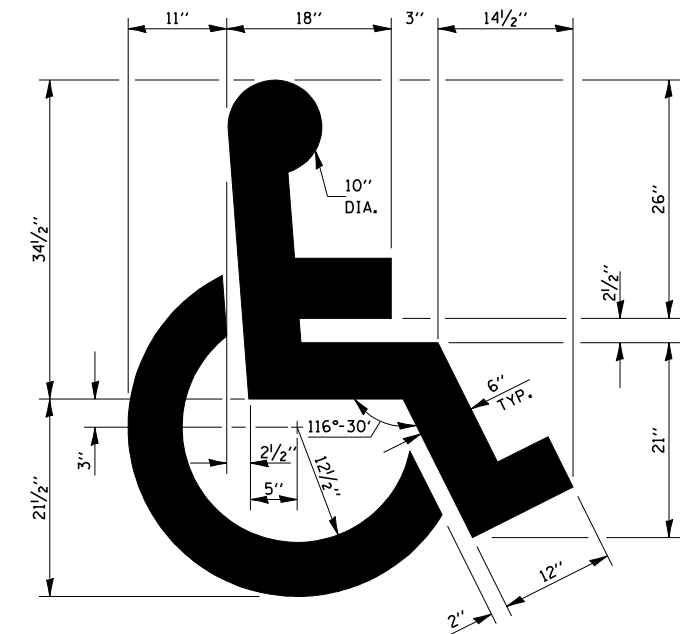
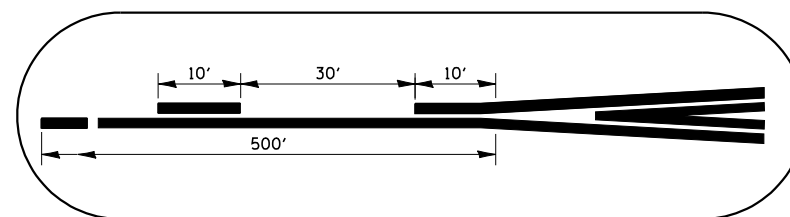
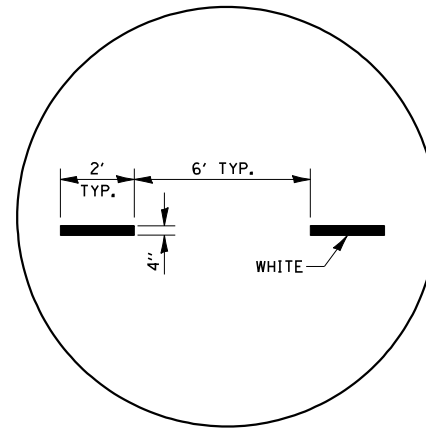


CENTERLINE & NO PASSING ZONE LINES - YELLOW (SEE TYPICAL SECTIONS)

**PAVEMENT MARKING**



**TYPICAL APPLICATION @  
BI-DIRECTIONAL TURN LANE**



**TYPICAL DETAIL FOR  
PAINTING HANDICAP MARKINGS**

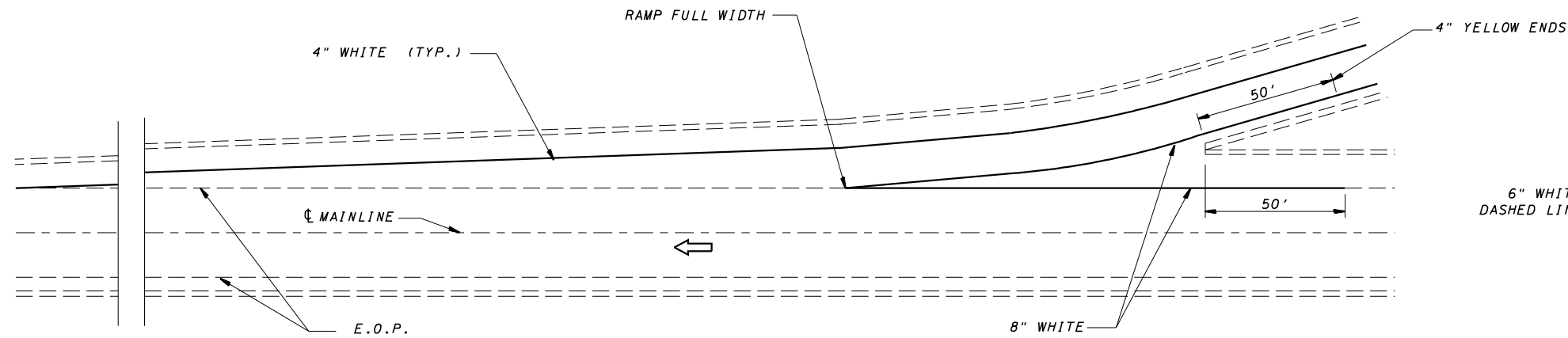
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	CREATED FROM D4 DETAILS	TJB	<b>PAVEMENT MARKING (MCLEAN COUNTY "SPOT" IMPROVEMENTS ONLY)</b>

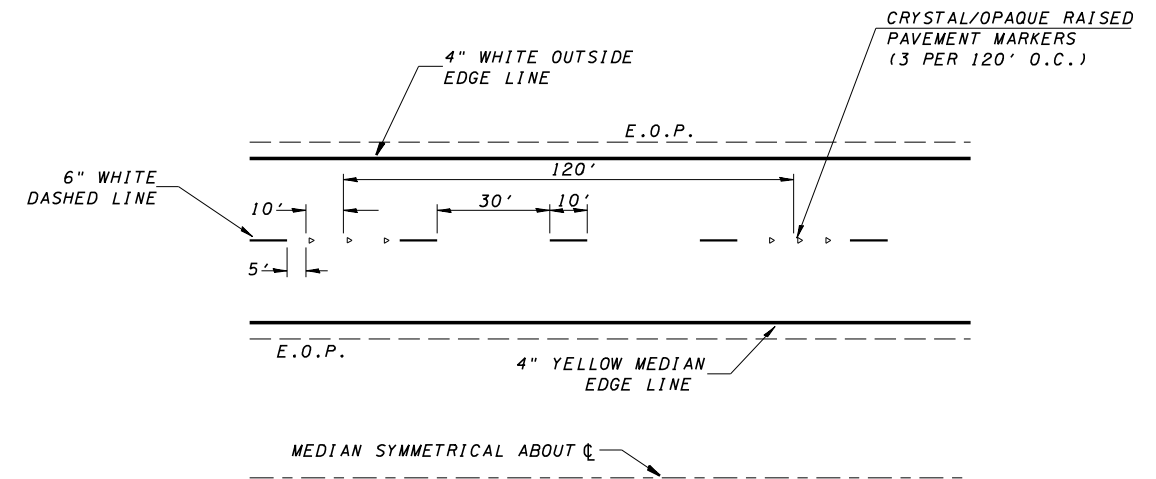
PLOT DATE : 3/26/2007  
FILE NAME : c:\projects\4501187 (61)\70641cover.dgn  
PLOT SCALE : 1/8"=1'-0" / IN.  
USER NAME : creigre

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	48

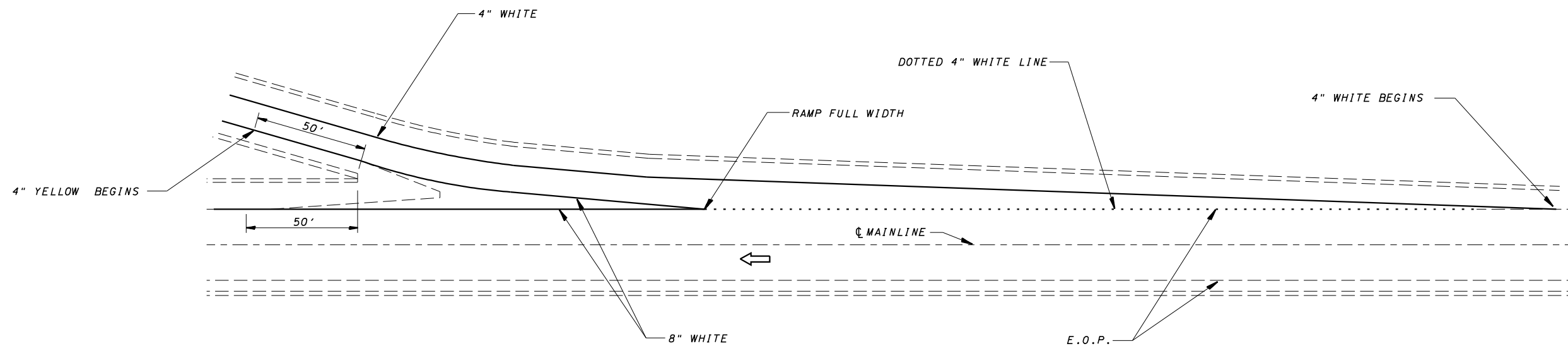
\* (57-21B&57-22B)&BDR



**TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS**



**TYPICAL PAVEMENT MARKINGS**



**TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
11/06	CREATED FROM D4 DETAILS	TJB

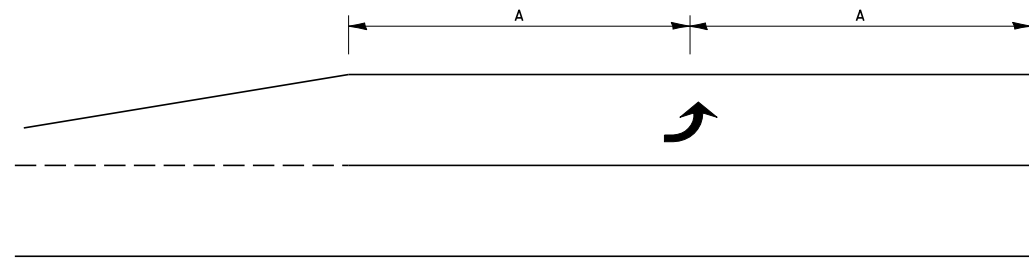
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING**  
 (MCLEAN COUNTY "SPOT" IMPROVEMENTS ONLY)  
**DISTRICT 5 DETAIL NO. 7800CCC**

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 FILE NAME = c:\projects\70641cover.dgn  
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 USER NAME = creigre

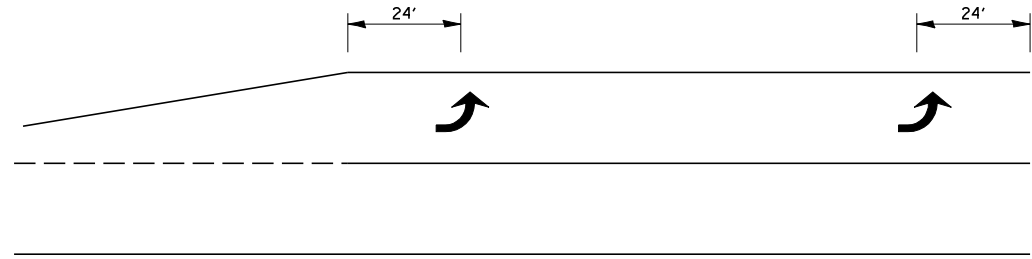


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	MCLEAN	49	49

\* (57-21B&57-22B)&BDR

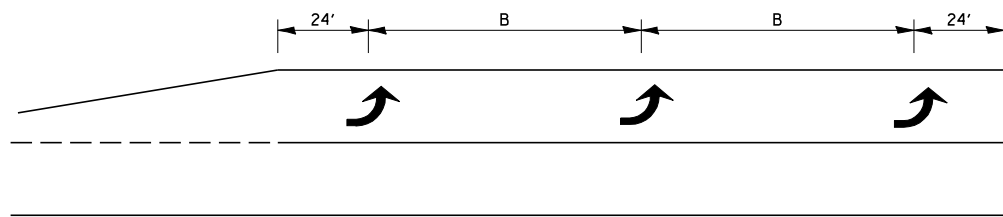


**99' AND UNDER**

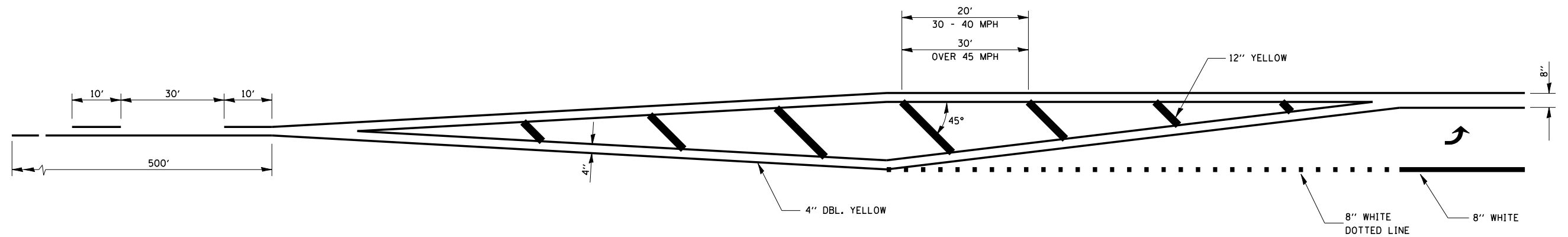


**100' TO 149'**

**TYPICAL PLACEMENT OF ARROWS IN TURN LANES**



**150' AND LONGER**



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
11/06	CREATED FROM D4 DETAILS	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING  
(MCLEAN COUNTY "SPOT"  
IMPROVEMENTS ONLY)**

**DISTRICT 5 DETAIL NO. 7800CCCC**