

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP ROUTE 832 (IL 49)
SECTION D7 BRIDGE REPAIRS 2011-4

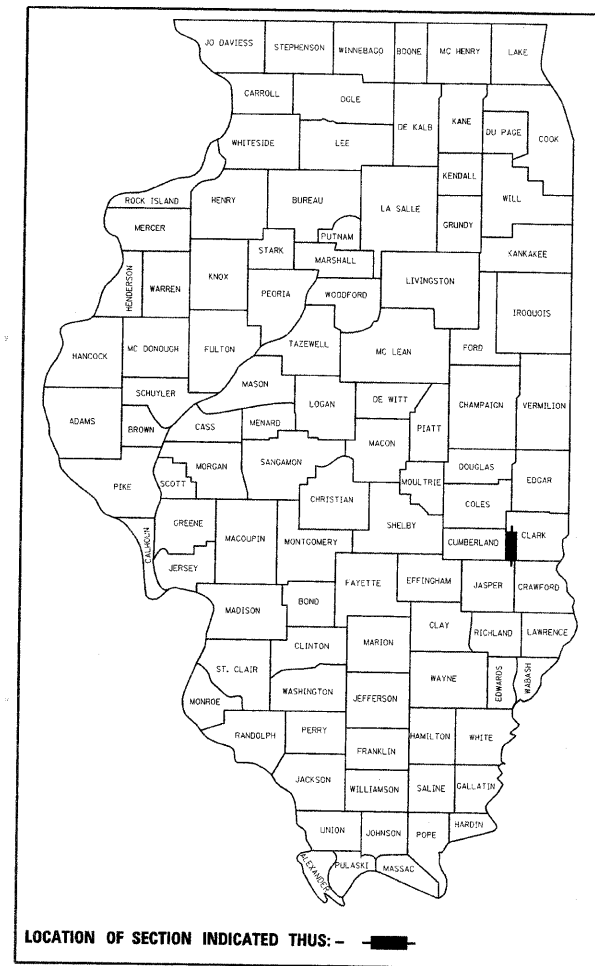
BRIDGE REPAIRS
CLARK COUNTY

C-97-145-10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832	*	Clark	31	1
		ILLINOIS	CONTRACT NO. 74494	

*D7 Bridge Repairs 2011-4

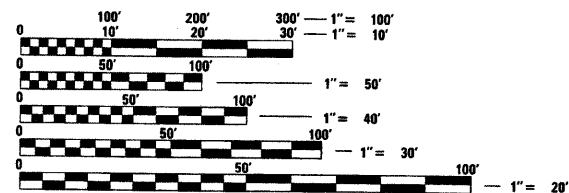
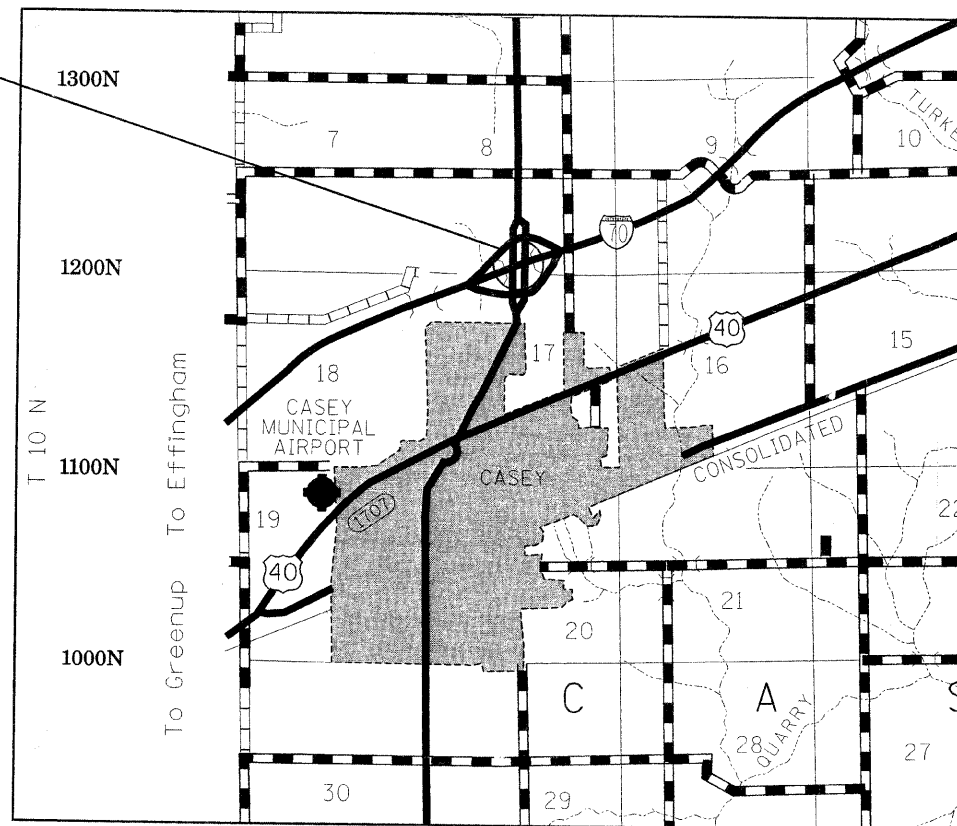
D-97-077-10



FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT (2009) = 5600

LOCATION OF PROPOSED IMPROVEMENT



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: MARK DAUGHERTY
PROJECT MANAGER: BRIAN LEWIS

CONTRACT NO. 74494

GROSS LENGTH = x.xx FT. = x.xxx MILE

NET LENGTH = x.xx FT. = x.xxx MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb 16 20 11
Roger A. Driskell / m
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 05 20 11
Scott E. Stett, P.E. / a
Acting ENGINEER OF DESIGN AND ENVIRONMENT

March 05 20 11
Christine M. Reed / a
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL.

THE WORK INCLUDED IN THIS SECTION CONSISTS OF BEARING AND JOINT REPLACEMENT AND OTHER WORK NECESSARY TO COMPLETE THE PROJECT.

WET REFLECTIVE TEMPORARY TAPE SHALL BE USED DURING STAGE 1 & 2. TEMPORARY PAVEMENT MARKINGS SHALL BE APPLIED AFTER STAGE 2 IS COMPLETED FOR USE UNTIL PERMANENT MARKINGS CAN BE CONSTRUCTED.

THE REFLECTIVE LENS OF ALL RAISED REFLECTIVE PAVEMENT MARKERS IN CONFLICT WITH THE STAGE TRAFFIC CONTROL SHALL BE REMOVED PRIOR TO STAGE 1 CONSTRUCTION. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFLECTOR REMOVAL.

REMOVAL OF THE RAMP NOSES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR CONCRETE MEDIAN REMOVAL. REMOVAL OF THE 4" THICK MEDIAN SURFACE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR CONCRETE MEDIAN SURFACE REMOVAL. BOTH OF THESE ITEMS SHALL BE CONSTRUCTED ACCORDING TO SECTION 440 OF THE STANDARD SPECIFICATIONS.

THE UNIT PRICE FOR PCC BASE COURSE SHALL INCLUDE THE COST OF REMOVAL OF THAT ITEM AFTER THE COMPLETION OF STAGE 2.

FIELD MARKINGS OF UNDERGROUND UTILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

INDEX OF SHEETS

SHEET NO	TITLE
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	SCHEDULES
6-12	STAGE 1 CONSTRUCTION DETAILS
13-19	STAGE 2 CONSTRUCTION DETAILS
20-29	STRUCTURAL SHEETS
30-31	MISC. DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

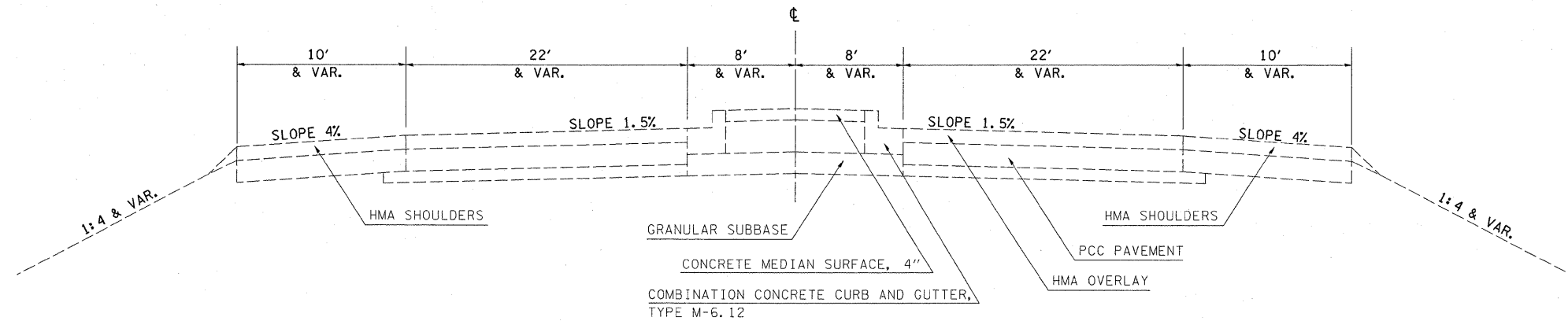
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH
701606-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & INDEX OF SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 74494		
	PLOT DATE = 2/16/2011	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

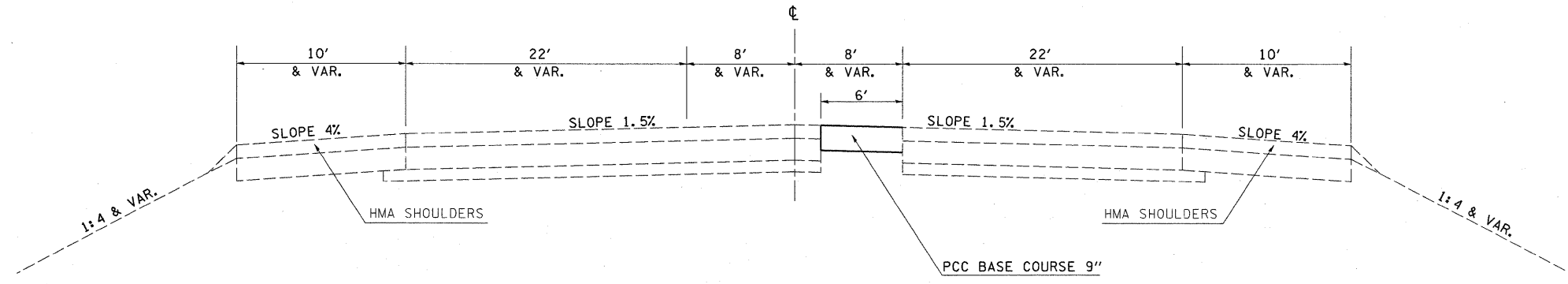
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		100% STATE 0014			CODE NO	ITEM	UNIT		100% STATE 0014		
35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	355	355		X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	1277	1277			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1064	1064		X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	70	70			
50102400	CONCRETE REMOVAL	CU YD	40	40		X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III- LETTERS AND SYMBOLS	SQ FT	124.8	124.8			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	40	40		X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	6729	6729			
50300260	BRIDGE DECK GROOVING	SQ YD	50	50		X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	413	413			
50300300	PROTECTIVE COAT	SQ YD	82	82		X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	48	48			
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	3170	3170		X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	4	4			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3740	3740		X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	51	51			
50800515	BAR SPLICERS	EACH	36	36		Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	24	24			
52000110	PREFORMED JOINT STRIP SEAL	FOOT	170	170									
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	24	24									
52100520	ANCHOR BOLTS, 1"	EACH	96	96									
60609300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12 (ABUTTING EXISTING PAVEMENT)	FOOT	1064	1064									
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1277	1277									
60621600	CONCRETE MEDIAN, TYPE SM	SQ FT	70	70									
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3	3									
67100100	MOBILIZATION	L SUM	1	1									
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1									
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1									
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15									
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	109.2	109.2									
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1072	1072									
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1196	1196									
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3733	3733									
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	109.2	109.2									
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3792	3792									
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1196	1196									
*78100300	REPLACEMENT REFLECTOR	EACH	51	51									
*78200300	PRISMATIC CURB REFLECTOR	EACH	50	50									
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1064	1064									

*SPECIALTY ITEM

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 2/16/2011	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

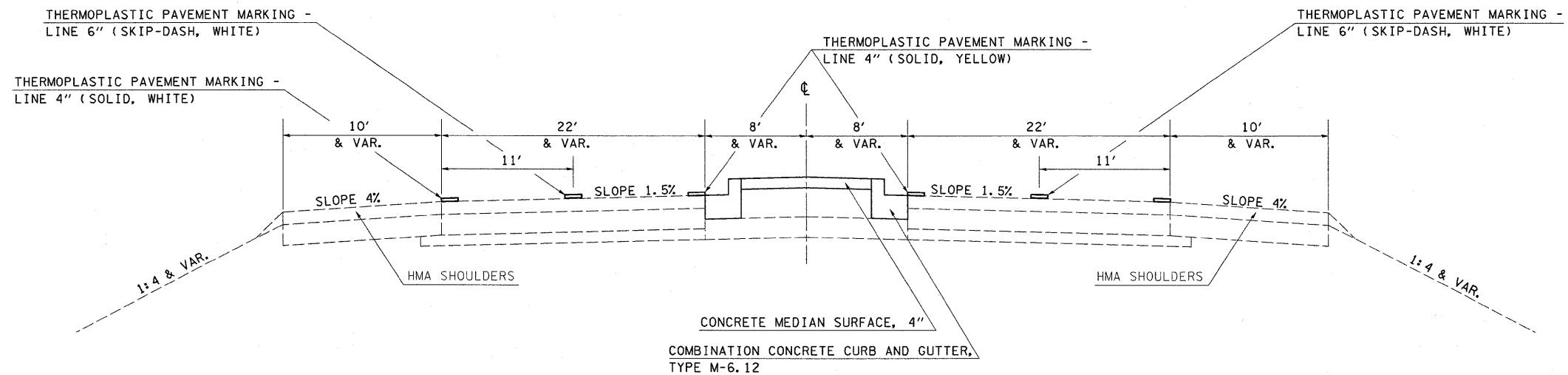


**EXISTING TYPICAL CROSS SECTION
ILLINOIS ROUTE 49**



**STAGE CONSTRUCTION TYPICAL CROSS SECTION
ILLINOIS ROUTE 49**

STA 44+00 TO STA 46+65
STA 53+43 TO STA 56+10 *
* MIRROR ABOUT CENTERLINE



**PROPOSED TYPICAL CROSS SECTION
ILLINOIS ROUTE 49**

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -
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	PLOT DATE = 2/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICALS			
SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832		Clark	31	4
CONTRACT NO. 74494				

STAGE 1

PCC BASE COURSE 9"	
STA 44+00 TO 46+65	177 S. Y.
STA 53+43 TO 56+10	178 S. Y.
TOTAL	355 S. Y.

COMBINATION CURB & GUTTER REMOVAL	
STA 44+00 TO 46+65	530 FOOT
STA 53+43 TO 56+10	534 FOOT
TOTAL	1064 FOOT

REMOVE & REFLECT EXISTING SIGN	
STA 44+26	1 EACH
STA 48+60	1 EACH
STA 51+38	1 EACH
STA 55+84	1 EACH
TOTAL	4 EACH

CONCRETE MEDIAN REMOVAL	
STA 43+95 TO 44+00	35 SQ FT
STA 56+11 TO 56+16	35 SQ FT
TOTAL	70 SQ FT

CONCRETE MEDIAN SURFACE REMOVAL	
STA 44+00 TO 46+65	636 SQ FT
STA 53+43 TO 56+10	641 SQ FT
TOTAL	1277 SQ FT

AFTER STAGE 2

COMB. CONC. C&G TYPE M6.12 (ABUTTING EX. PAVT.)	
STA 44+00 TO 46+65	530 FOOT
STA 53+43 TO 56+10	534 FOOT
TOTAL	1064 FOOT

CONC. MEDIAN SURFACE 4"	
STA 44+00 TO 46+65	636 SQ FT
STA 53+43 TO 56+10	641 SQ FT
TOTAL	1277 SQ FT

CONCRETE MEDIAN, TYPE SM.	
STA 43+95 TO 44+00	35 SQ FT
STA 56+11 TO 56+16	35 SQ FT
TOTAL	70 SQ FT

PAVEMENT MARKING SCHEDULE

SEQUENCE & LOCATION	PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	WET REFLECTIVE TEMPORARY TAPE LETTERS AND SYMBOLS	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	PRISMATIC CURB REFLECTOR	REPLACEMENT REFLECTOR	WORK ZONE PAVEMENT MARKING REMOVAL
UNITS	SQ FT	EACH	SQ FT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	SQ FT	FOOT	FOOT	EACH	EACH	SQ FT
STAGE 1															
ARROWS IN SB LTL	62.4		31.2												
ARROWS IN NB LTL	46.8		31.2												
LINE BESIDE SB LTL	137.5	8													
LINE BESIDE NB LTL	119.5	7													
LINE BESIDE MEDIAN STA 43+97 TO 46+67	180														
LINE BESIDE MEDIAN STA 53+76 TO 56+15	177.3														
SKIP DASHES BETWEEN SB LANES	170.5	18													
DOUBLE YELLOW BETWEEN LANES STA 43+75 TO 56+17				2544											
WHITE TAPER LINE STA 43+65 TO 48+15				450											
WHITE TAPER LINE STA 53+50 TO 56+80				330											
YELLOW "CAT TRACKS" STA 56+17 TO 56+90				33											
WHITE LINE DEFINING LTL STA 43+75 TO 44+85					110										
WHITE LINE DEFINING LTL STA 54+95 TO 56+17					91										
STOP BAR STA 43+75						12									
STOP BAR STA 56+17						12									
AFTER STAGE 1															1330
WET REFLECTIVE TEMPORARY TAPE															
STAGE 2															
SKIP DASHES BETWEEN NB LANES	170.5	18													
ARROWS IN LTL			62.4												
DOUBLE YELLOW BETWEEN LANES STA 43+85 TO 56+40				2580											
WHITE TAPER LINE STA 43+40 TO 46+67				327											
WHITE TAPER LINE STA 52+00 TO 56+38				438											
YELLOW "CAT TRACKS" STA 43+30 TO 43+85				27											
WHITE LINE DEFINING LTL STA 43+85 TO 45+07					92										
WHITE LINE DEFINING LTL STA 55+20 TO 56+40					120										
STOP BAR STA 43+85						12									
STOP BAR STA 56+40						12									
AFTER STAGE 2															1340
WET REFLECTIVE TEMPORARY TAPE															
ARROWS IN LEFT TURN LANES							109.2								
YELLOW LINE BESIDE MEDIAN								1072							
WHITE LINE BESIDE SB LTL STA 43+97 TO 46+72									275						
WHITE LINE BESIDE NB LTL STA 53+76 TO 56+15									239						
WHITE SKIP DASHES BETWEEN LANES NB & SB									682						
FINAL															1063
TEMPORARY PAVEMENT MARKINGS															
SB LEFT TURN LANE										62.4					
NB LEFT TURN LANE										46.8					
WHITE EDGE LINES STA 43+30 TO 56+90											2720				
YELLOW LINE BESIDE MEDIAN											1072				
SOLID WHITE BESIDE LTL STA 43+97 TO 46+72												275		8	
SOLID WHITE BESIDE LTL STA 53+76 TO 56+15												239		7	
WHITE SKIP DASHES BETWEEN LANES STA 43+25 TO 56+89												682		36	
REPLACED MEDIAN													50		
TOTALS	1064	51	124.8	6729	413	48	109.2	1072	1196	109.2	3792	1196	50	51	3733

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DESIGNED - 4494-ah-t-schedule.dgn

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CHECKED -

DATE = 2/16/2011

REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

F.A.P. RTE. 832

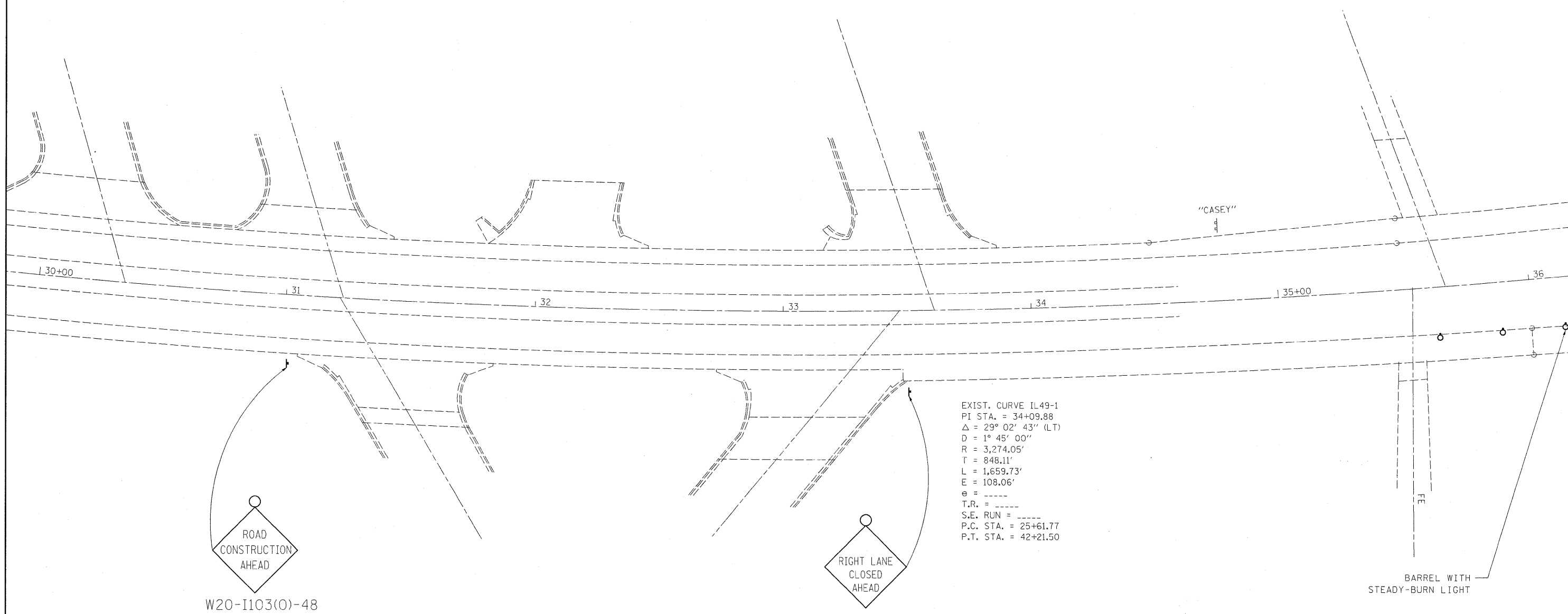
SECTION

COUNTY Clark

TOTAL SHEETS 31

SHEET NO. 5

CONTRACT NO. 74494



EXIST. CURVE IL49-1
 PI STA. = 34+09.88
 Δ = 29° 02' 43" (LT)
 D = 1° 45' 00"
 R = 3,274.05'
 T = 848.11'
 L = 1,659.73'
 E = 108.06'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 25+61.77
 P.T. STA. = 42+21.50

W20-I103(O)-48

W20-5R(O)-48

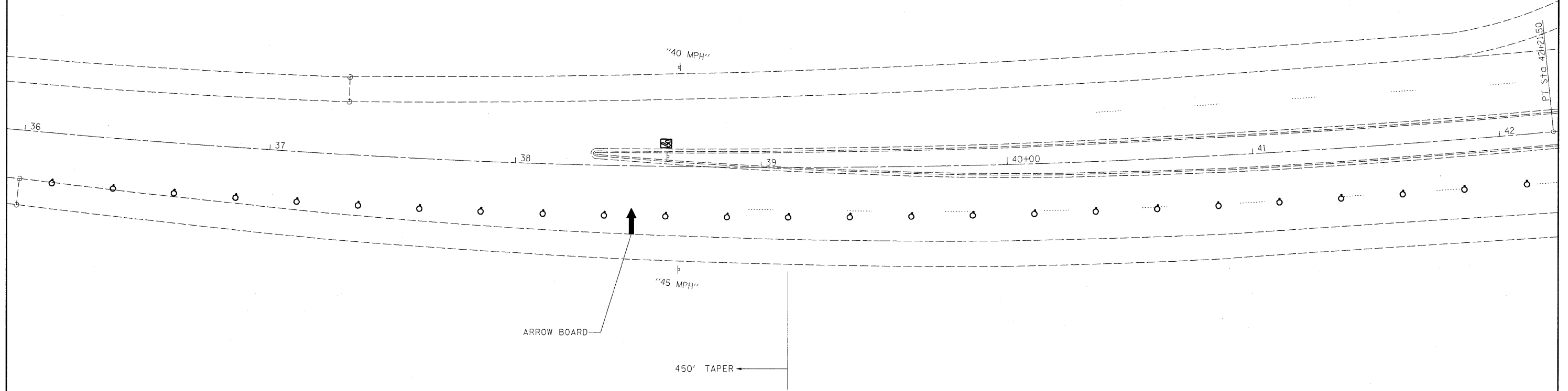
BARREL WITH
STEADY-BURN LIGHT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 CONSTRUCTION STA 30+00 TO STA 36+00			
SCALE:	SHEET NO.	OF SHEETS	STA TO STA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832		Clark	6	6
CONTRACT NO. 74494				



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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1 CONSTRUCTION
STA 36+00 TO 42+00**

F.A.P. RTE. 832	SECTION •	COUNTY Clark	TOTAL SHEETS 7	SHEET NO. 7
CONTRACT NO. 74494				

SCALE: SHEET NO. OF SHEETS STA TO STA



ROAD
CONSTRUCTION
AHEAD
W20-I103(o)-48

R4-7-3648



WET REFLECTIVE
TEMPORARY TAPE
LETTERS AND SYMBOLS

WET REFLECTIVE
TEMPORARY TAPE TYPE III,
6" - WHITE

WET REFLECTIVE
TEMPORARY TAPE TYPE III,
4" - DOUBLE YELLOW

REMOVE EXISTING SKIP DASHES

REMOVE EXISTING SIGN
(REPLACE AT COMPLETION)

REMOVE EXISTING PAVEMENT MARKINGS

WET REFLECTIVE
TEMPORARY TAPE TYPE III,
4" - WHITE

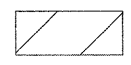
(ON TYPE III BARRICADE)
W1-6L(O)-6030

W6-3(O)-48

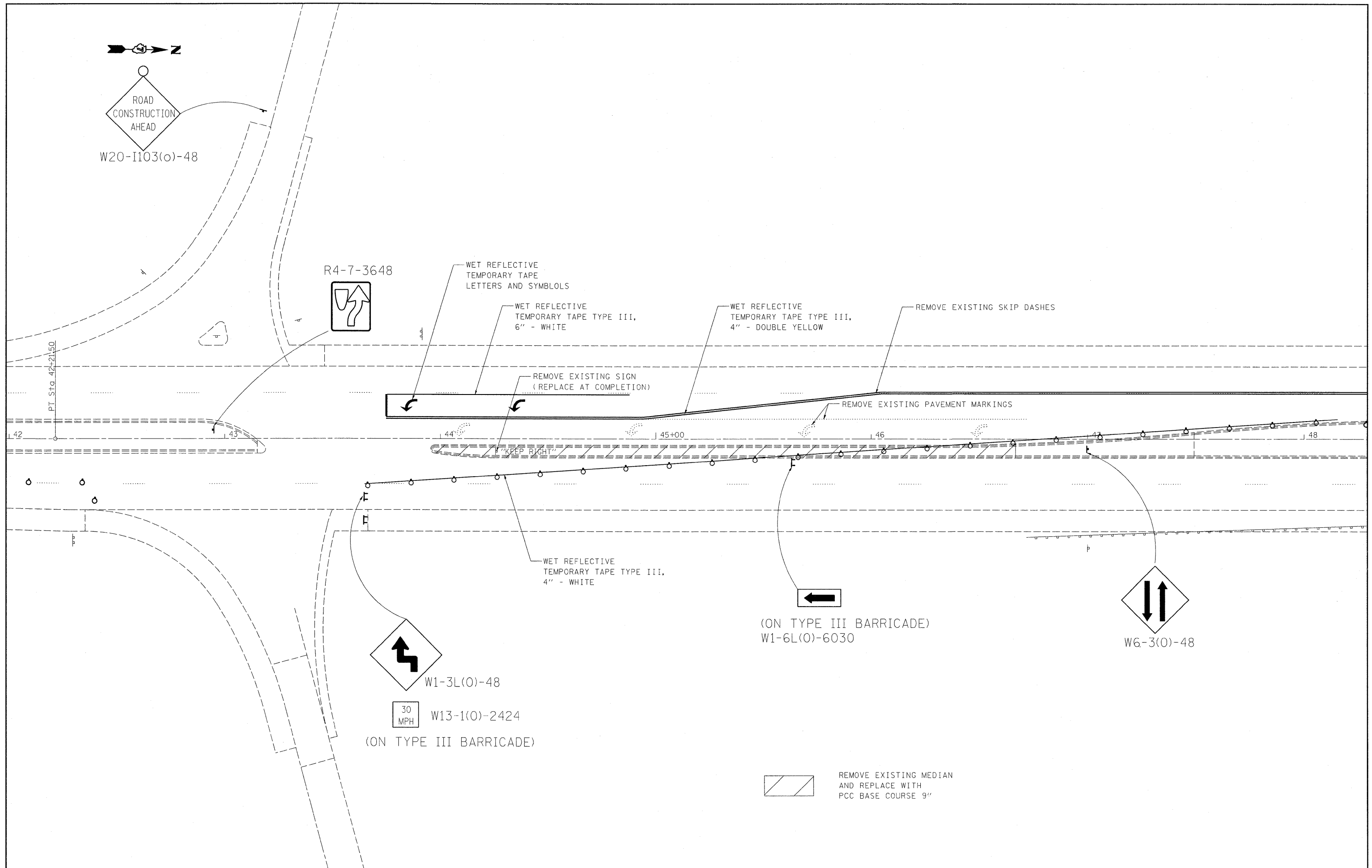
W1-3L(O)-48



30
MPH W13-1(O)-2424
(ON TYPE III BARRICADE)



REMOVE EXISTING MEDIAN
AND REPLACE WITH
PCC BASE COURSE 9"



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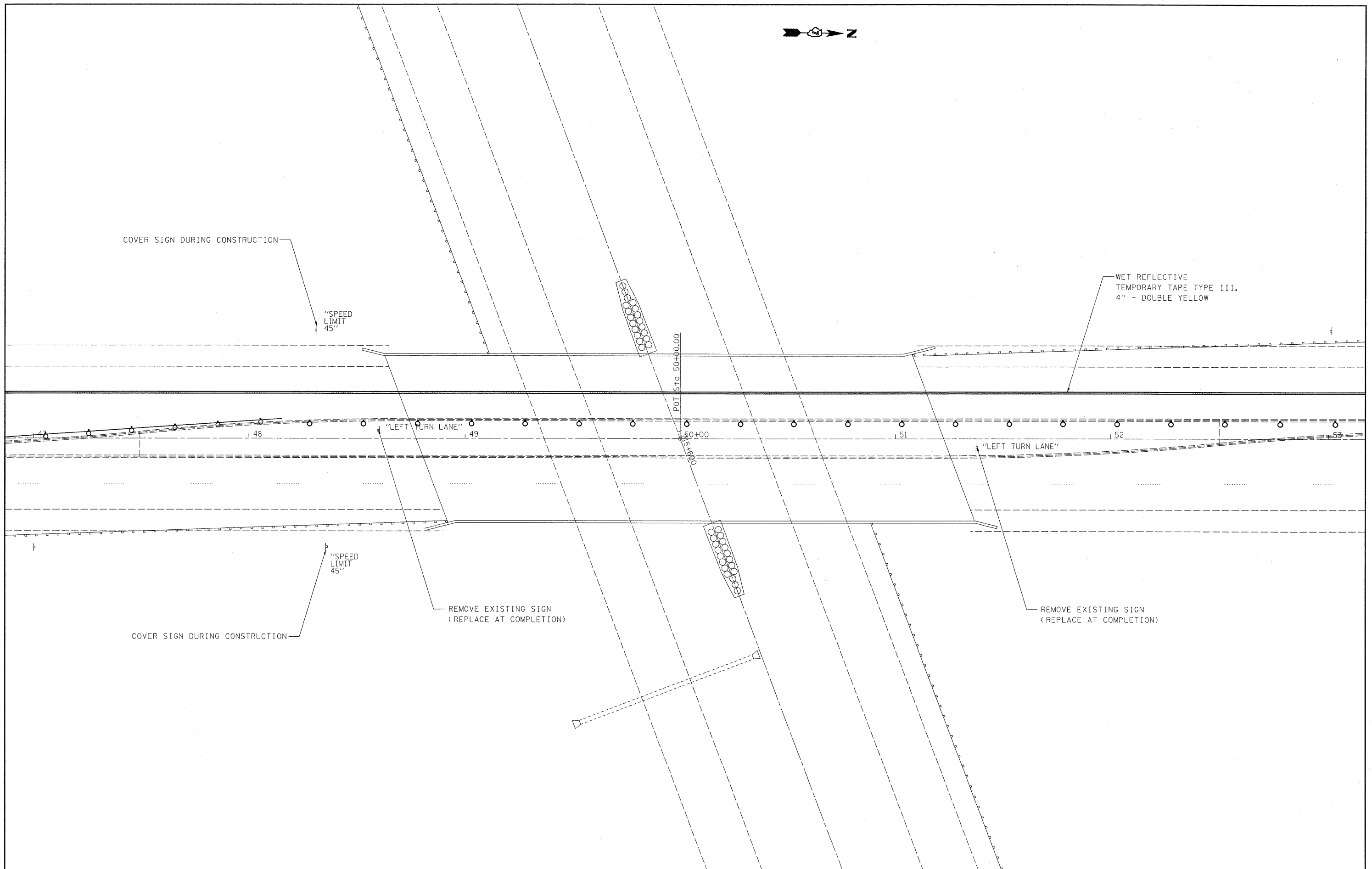
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 CONSTRUCTION
STA 42+00 TO STA 48+00
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832		Clark		8
CONTRACT NO. 74494				



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

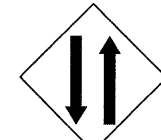
**STAGE 1 CONSTRUCTION
 STA 47+00 TO 53+00**

SCALE: SHEET NO. OF SHEETS STA TO STA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832	.	Clark		9
CONTRACT NO. 74494				



(ON TYPE III BARRICADE)
W1-6R(0)-7236



W6-3(0)-48

R4-7-3648



WET REFLECTIVE
TEMPORARY TAPE
TYPE III, 6" WHITE

WET REFLECTIVE
TEMPORARY TAPE
LETTERS AND SYMBOLS

52

53

54

55+00

56

57

58

4" YELLOW
WET REFLECTIVE

REMOVE EXISTING
PAVEMENT MARKINGS

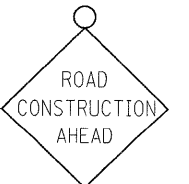
REMOVE EXISTING SIGN
(REPLACE AT COMPLETION)



W1-3R(0)-48

30
MPH

W13-1(0)-2424



W20-I103(0)-48

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DESIGNED -
DRAWN -

REVISED -
REVISED -

PLOT SCALE = 20,000' / IN.

CHECKED -

REVISED -

PLOT DATE = 2/16/2011

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 CONSTRUCTION
STA 52+00 TO STA 58+00

F.A.P.
RTE.
832

SECTION

COUNTY

TOTAL SHEETS

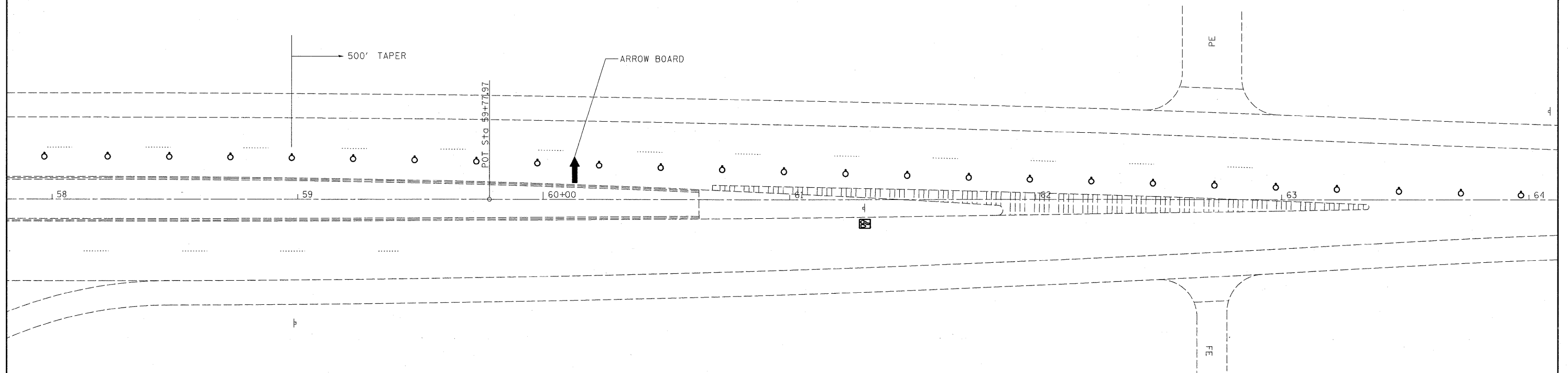
SHEET NO.

Clark

CONTRACT NO. 74494

SCALE: SHEET NO. OF SHEETS STA. TO STA.

ILLINOIS DEPT. OF TRANSPORTATION

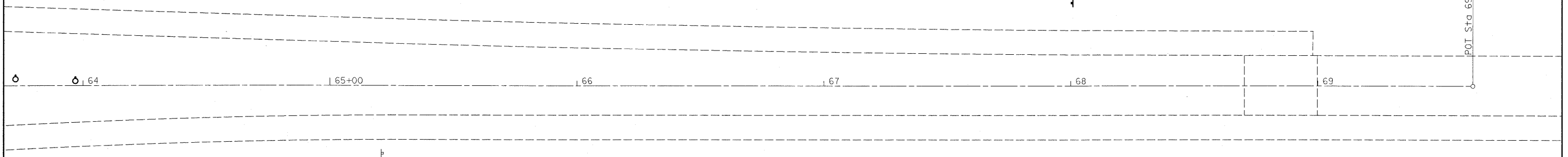
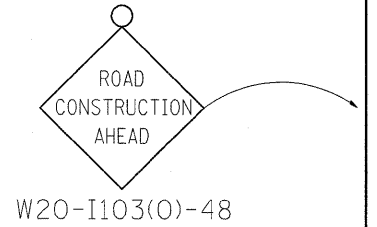
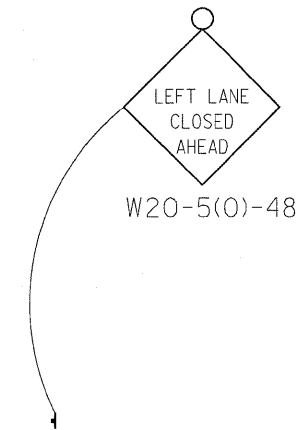


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	PLOT DATE = 2/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 CONSTRUCTION STA 58+00 TO STA 64+00				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.P. RTE. 832	SECTION •	COUNTY Clark	TOTAL SHEETS 11	SHEET NO. 11
CONTRACT NO. 74494				
ILLINOIS FED. AID PROJECT				



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DRAWN -
CHECKED -
DATE -

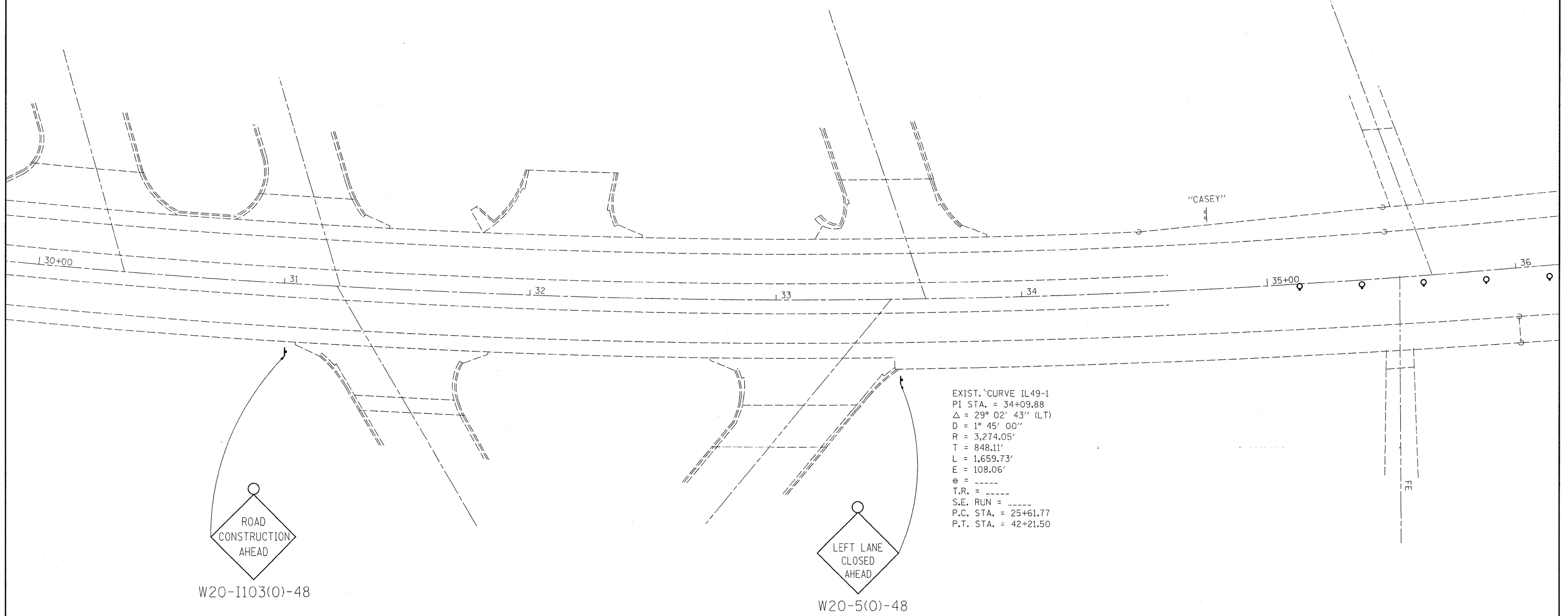
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1 CONSTRUCTION
STA 64+00 TO STA 69+00**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832	*	Clark		12
CONTRACT NO. 74494				



EXIST. CURVE IL49-1
 PI STA. = 34+09.88
 Δ = 29° 02' 43" (LT)
 D = 1° 45' 00"
 R = 3,274.05'
 T = 848.11'
 L = 1,659.73'
 E = 108.06'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 25+61.77
 P.T. STA. = 42+21.50

W20-1103(0)-48

W20-5(0)-48

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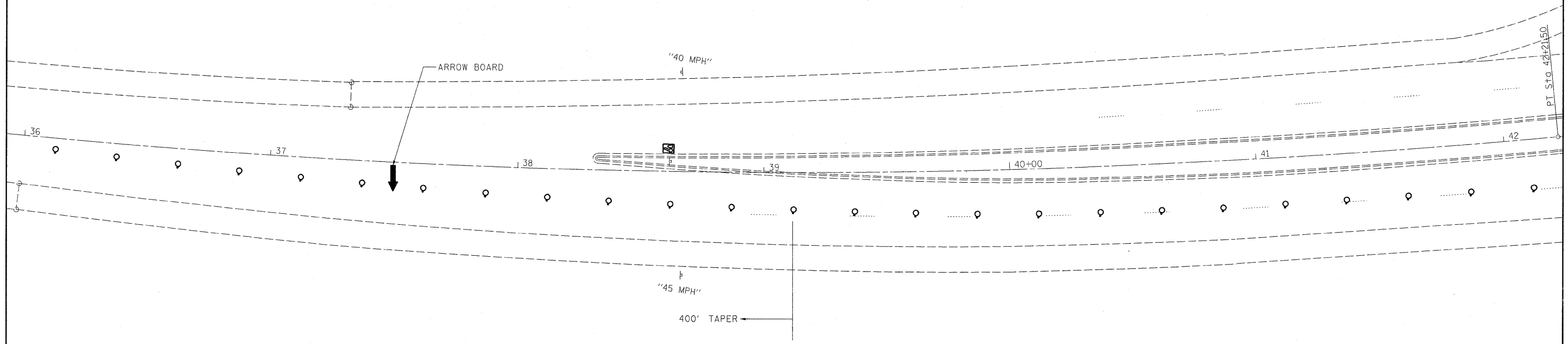
REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 2 CONSTRUCTION
 STA 30+00 TO STA 36+00**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832		Clark		13
CONTRACT NO. 74494				

SCALE: SHEET NO. OF SHEETS STA TO STA



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 PLOT DATE = 2/16/2011

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 CHECKED -
 DATE -

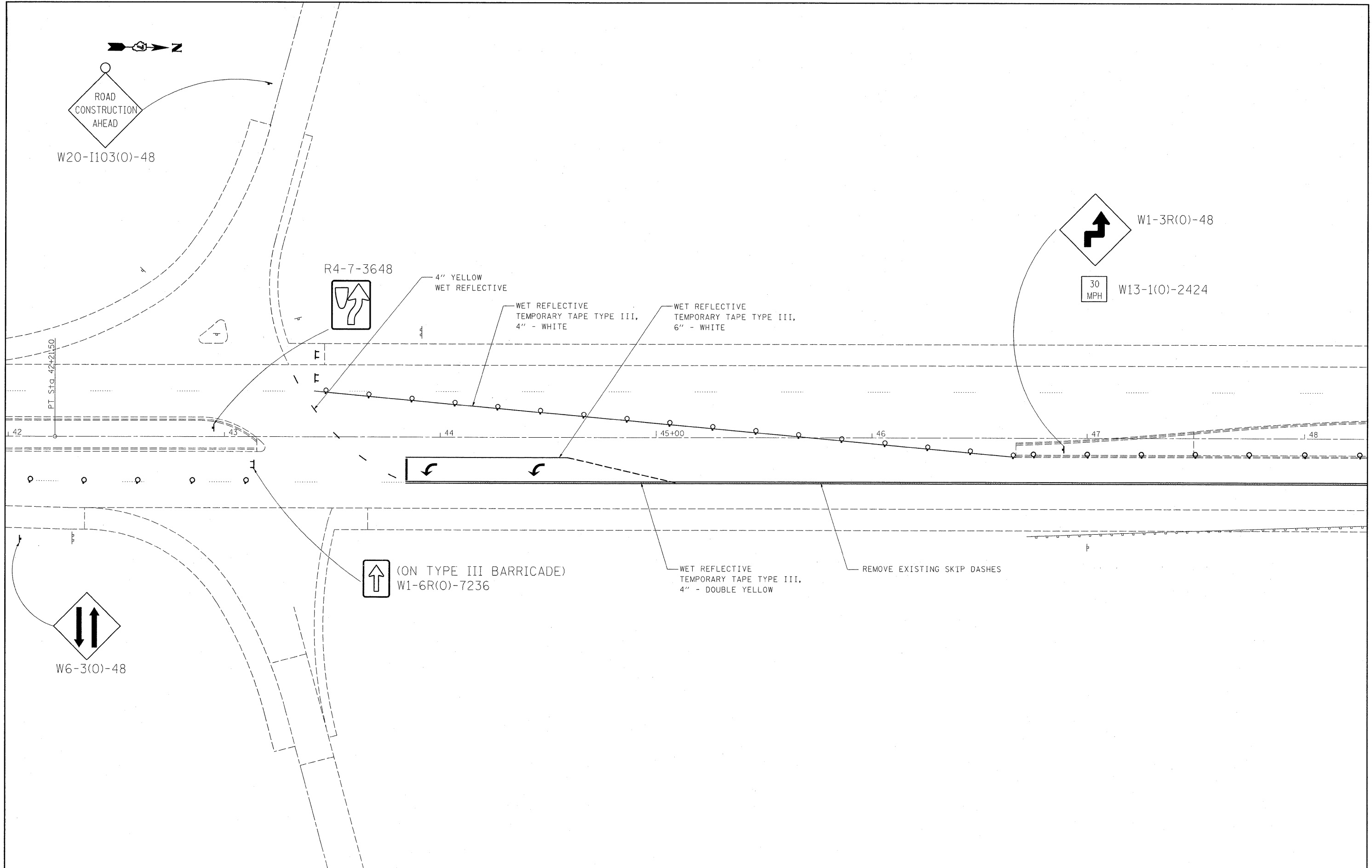
REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 2 CONSTRUCTION
 STA 36+00 TO 42+00**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832		Clark		14
CONTRACT NO. 74494				



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DESIGNED -
DRAWN -

REVISED -
REVISED -

PLOT SCALE = 20,0000' / IN.
PLOT DATE = 2/16/2011

CHECKED -
DATE -

REVISED -
REVISED -

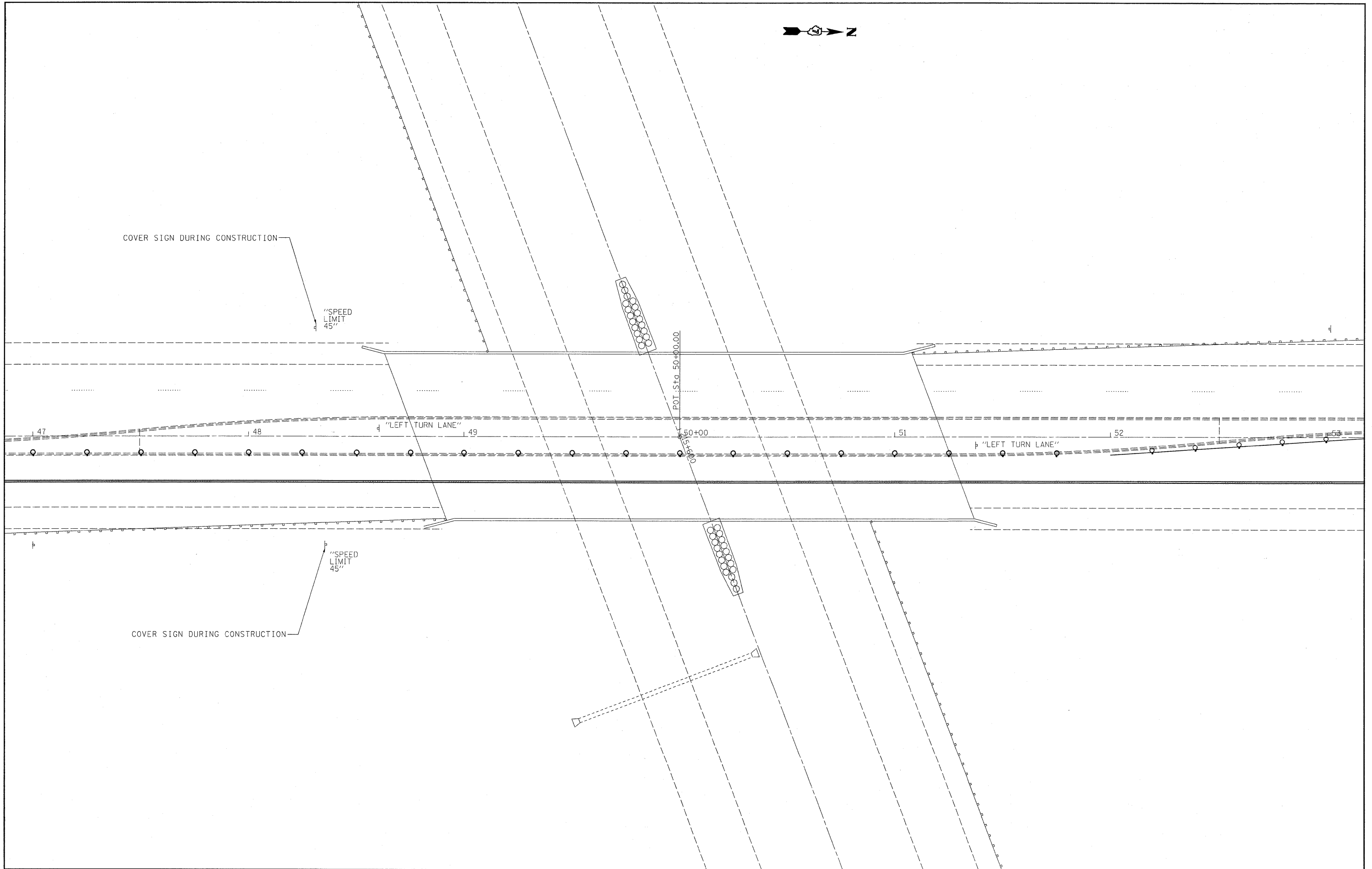
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 CONSTRUCTION
STA 42+00 TO STA 48+00

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832		Clark		15

CONTRACT NO. 74494



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DESIGNED -
 DRAWN -

REVISED -
 REVISED -

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 PLOT DATE = 2/16/2011

CHECKED -
 DATE -

REVISED -
 REVISED -

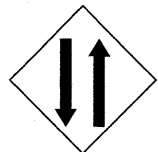
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 2 CONSTRUCTION
 STA 47+00 TO 53+00**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832		Clark		16

CONTRACT NO. 74494



W6-3(0)-48



(ON TYPE III BARRICADE)
W1-6L(0)-6030



W1-3L(0)-48



W13-1(0)-2424

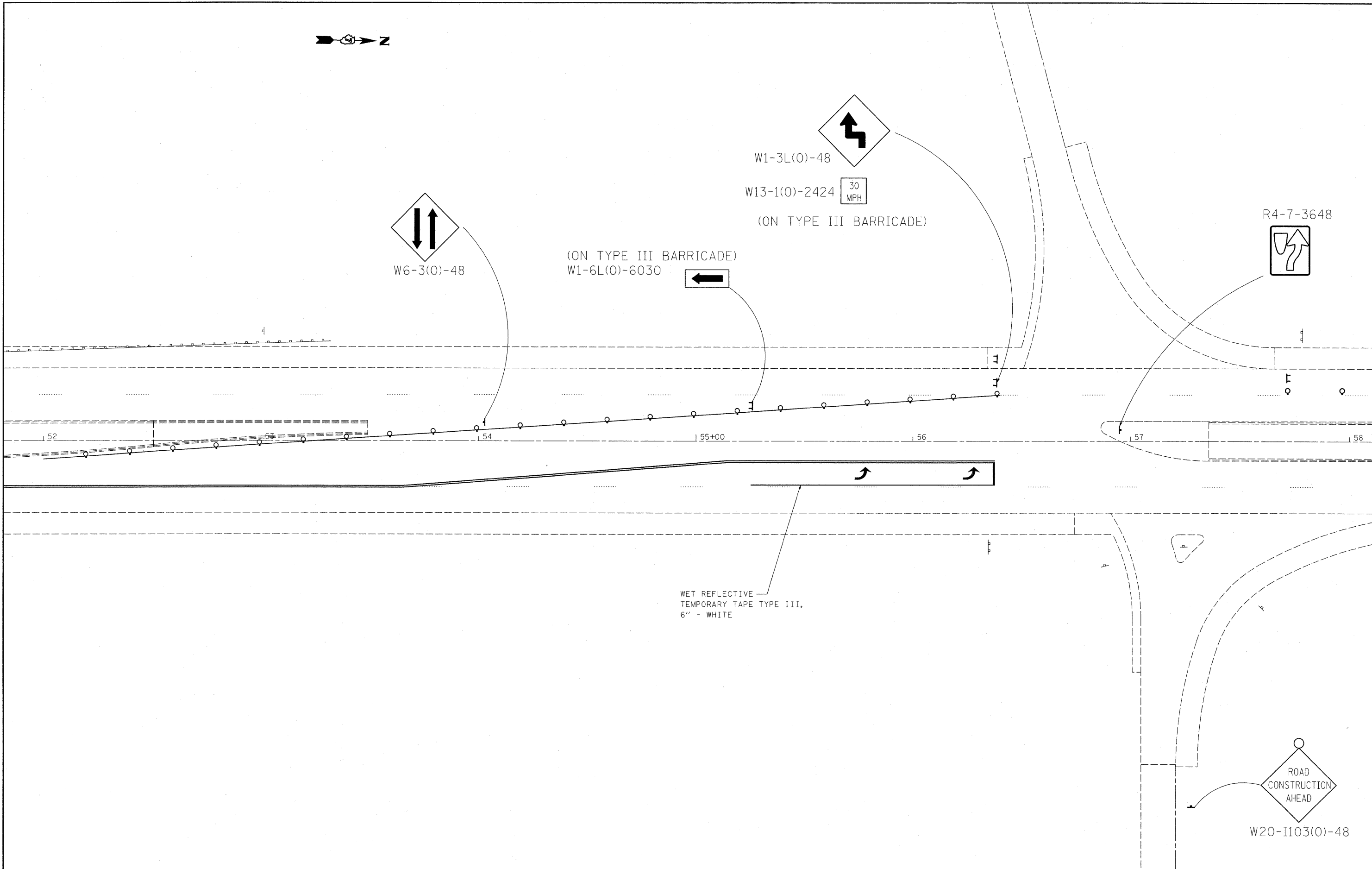
(ON TYPE III BARRICADE)



R4-7-3648



W20-I103(0)-48



WET REFLECTIVE
TEMPORARY TAPE TYPE III,
6" - WHITE

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c:\pw\work\p\dot\teasleyck\30209700\07

USER NAME = teasleyck
4494-sht-plan.dgn

DESIGNED -
DRAWN -

REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 CONSTRUCTION
STA 52+00 TO STA 58+00

F.A.P. RTE. 832 SECTION COUNTY TOTAL SHEETS SHEET NO. 17

PLOT SCALE = 20,000' / IN.
PLOT DATE = 2/16/2011

CHECKED -
DATE -

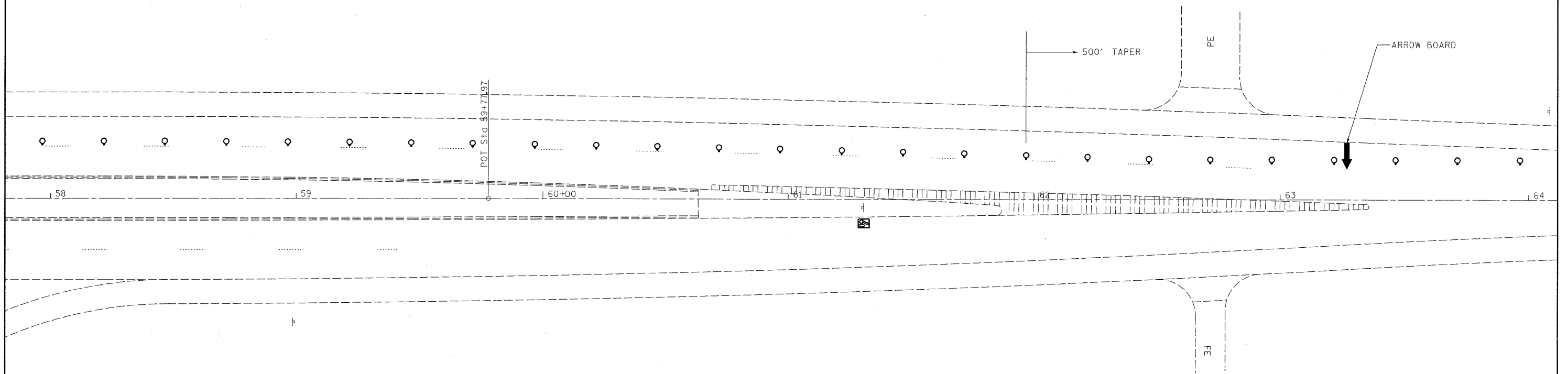
REVISED -
REVISED -

SCALE: SHEET NO. OF SHEETS STA. TO STA.

CONTRACT NO. 74494

ILLINOIS DEPT. OF TRANSPORTATION

CONTRACT NO. 74494

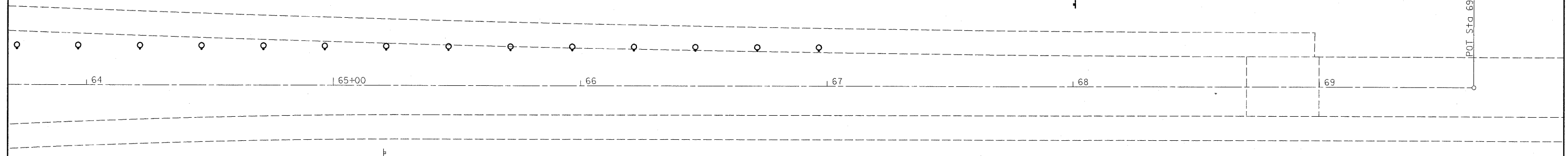
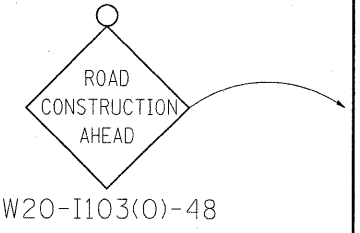
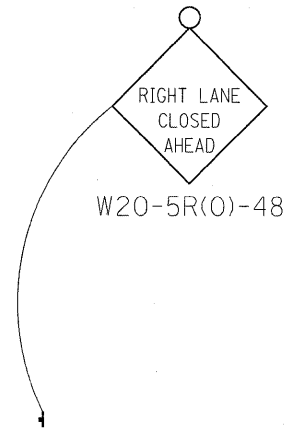


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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2 CONSTRUCTION STA 58+00 TO STA 64+00			
SCALE:	SHEET NO.	OF SHEETS	STA TO STA

F.A.P. RTE. 832	SECTION •	COUNTY Clark	TOTAL SHEETS	SHEET NO. 18
CONTRACT NO. 74494				



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 PLOT DATE = 2/16/2011

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
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 REVISED -

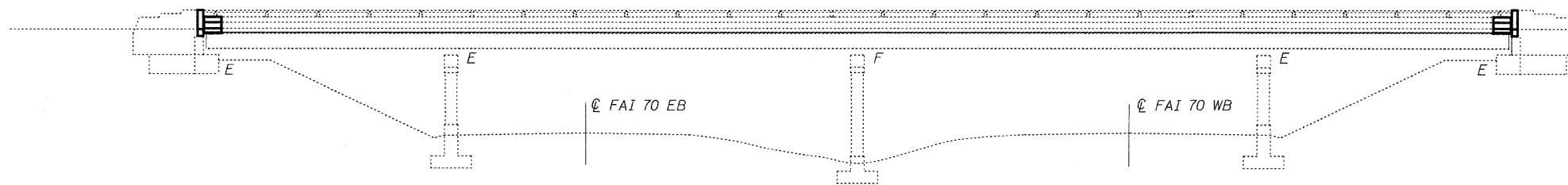
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 2 CONSTRUCTION
 STA 64+00 TO STA 69+00**

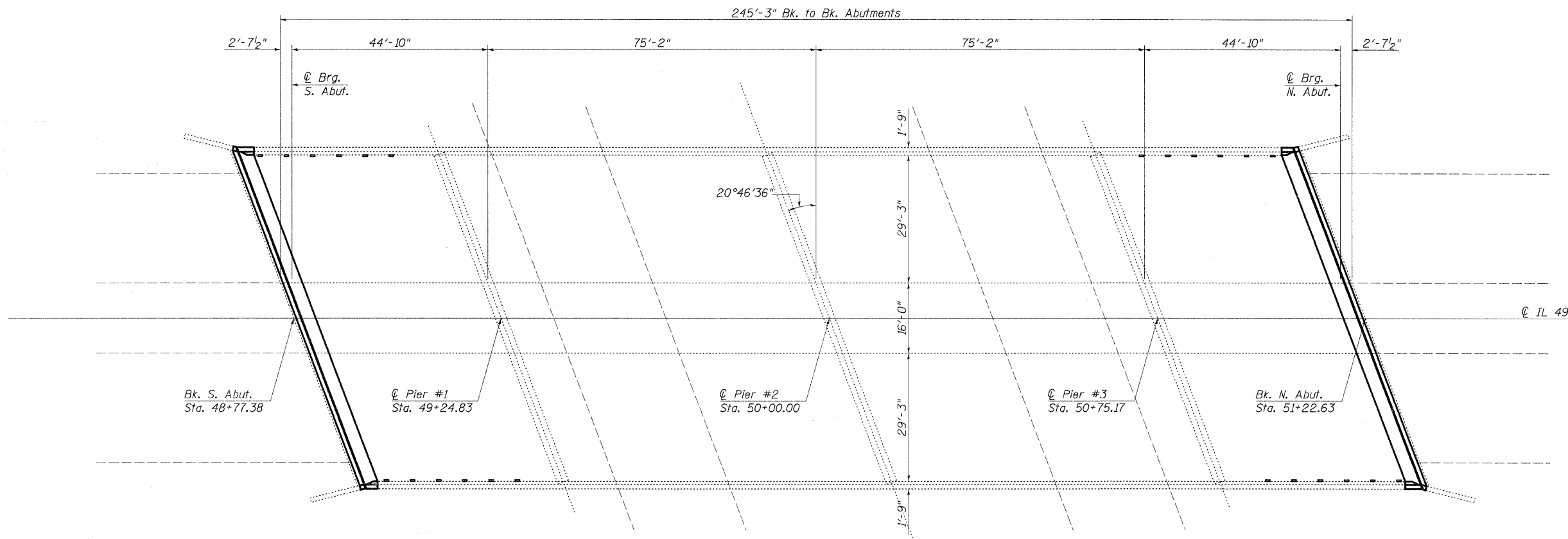
SCALE: SHEET NO. OF SHEETS STA TO STA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832		Clark		19
CONTRACT NO. 74494				

The existing four span reinforced continuous steel multi-beam structure was constructed in 1969 as FAI-70 section 12-49HB-2 at Sta. 757+93.89. SN. 012-0048 carries IL 49 (FAP 832) over FAI 70. The proposed project consists of new expansion joints and new elastomeric bearings.



ELEVATION



PLAN



David Carl Puzey
Expires 11/30/2012

FILE NAME =	USER NAME = teasleyck	DESIGNED - KLB	REVISED -
ct:\pw\work\pwidot\teasleyck\j0209700\07	4494-sht-brp1npr-f-0120048.dgn	DRAWN - KLB	REVISED -
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	PLOT DATE = 2/18/2011	DATE - 12/07/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
SN. 012-0048**

F.A.P. RTE. 832	SECTION *	COUNTY Clark	TOTAL SHEETS 31	SHEET NO. 20
CONTRACT NO. 74494			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. 1 OF 10 SHEETS STA. TO STA.

GENERAL NOTES

Plan dimensions and details relative to the existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of new materials. Such variations shall not be cause for additional compensation for change in the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcement bars shall conform to the requirements of ASTM A 706 GRADE 60. See Special Provisions.

Reinforcement Bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system. Cost included in CONCRETE REMOVAL.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

Removal and re-installation of handrail sections and support posts at both abutment locations will be necessary for construction of the expansion joints. The existing handrail sections and support posts shall be reused. New bolts and shim plates as detailed in the plans, are to be provided and installed for the re-installation of the handrail and supports. This work and all materials shall be included in the contract unit price for CONCRETE SUPERSTRUCTURE.

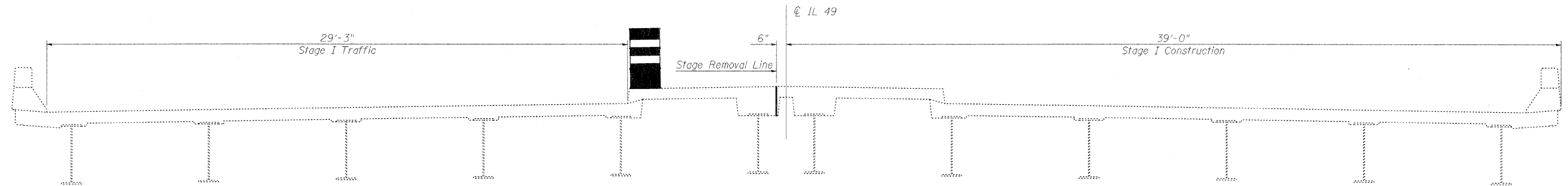
Prior to pouring the new concrete deck, all heavy and loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain, unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel, and the cost will be included in the pay item covering removal of the existing concrete.

All structural steel shall conform to AASHTO Classification M-270 Gr. 36 unless otherwise noted.

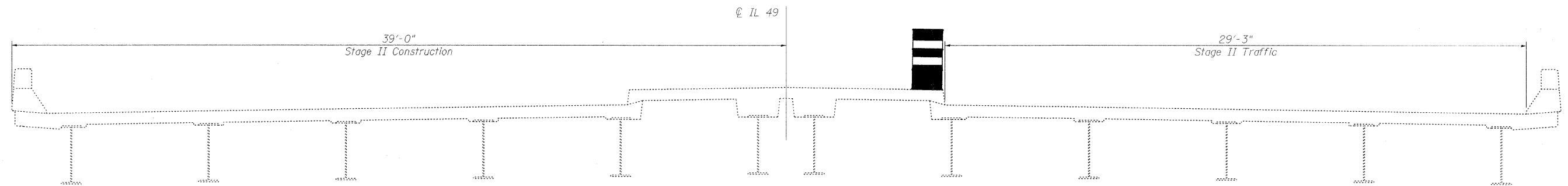
All new structural steel shall be shop painted with inorganic zinc rich primer per AASHTO M300, Type I. Cost included with Furnishing and Erecting Structural Steel.

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	40
Concrete Superstructure	Cu. Yd.	40
Reinforcement Bars, Epoxy Coated	Pound	3740
Bar Splicers	Each	36
Preformed Joint Strip Seal	Foot	170.0
Protective Coat	Sq Yd	82
Elastomeric Bearing Assembly, Type II	Each	24
Jack and Remove Existing Bearings	Each	24
Furnishing and Erecting Structural Steel	Pound	3170
Anchor Bolts 1"φ	Each	96



STAGE I LOOKING NORTH



STAGE II LOOKING NORTH

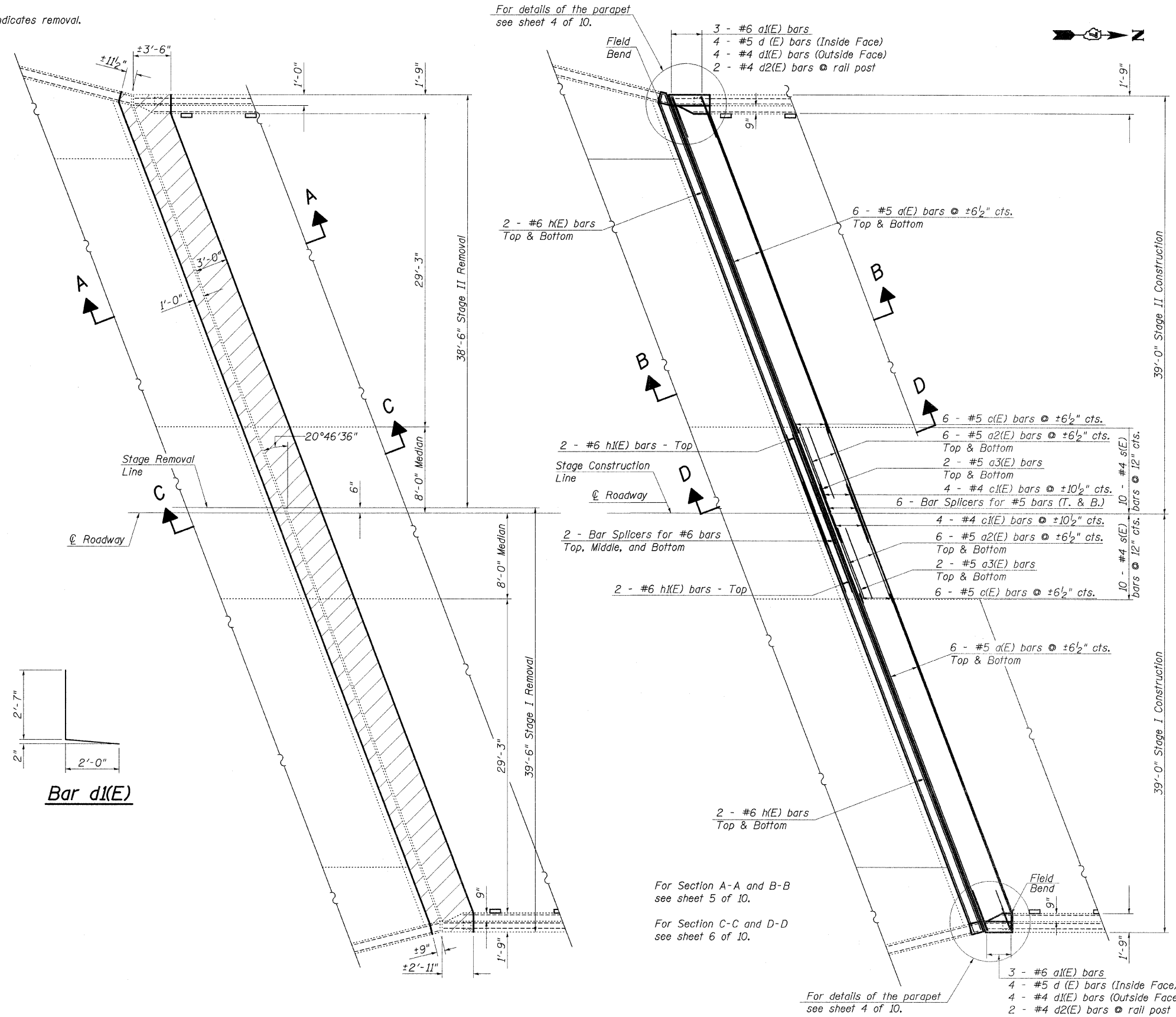
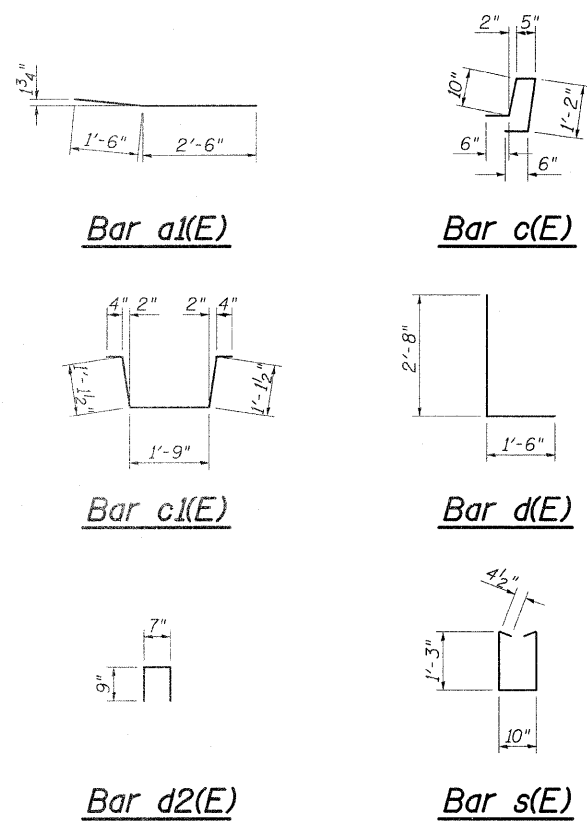
FILE NAME =	USER NAME = teasleyk	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE GENERAL NOTES & BILL OF MATERIAL SN. 012-0048			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 2/18/2011	DATE - 12/07/2010	REVISED -		ILLINOIS FED. AID PROJECT							

Hatched area indicates removal.

BILL OF MATERIAL

PER ABUTMENT

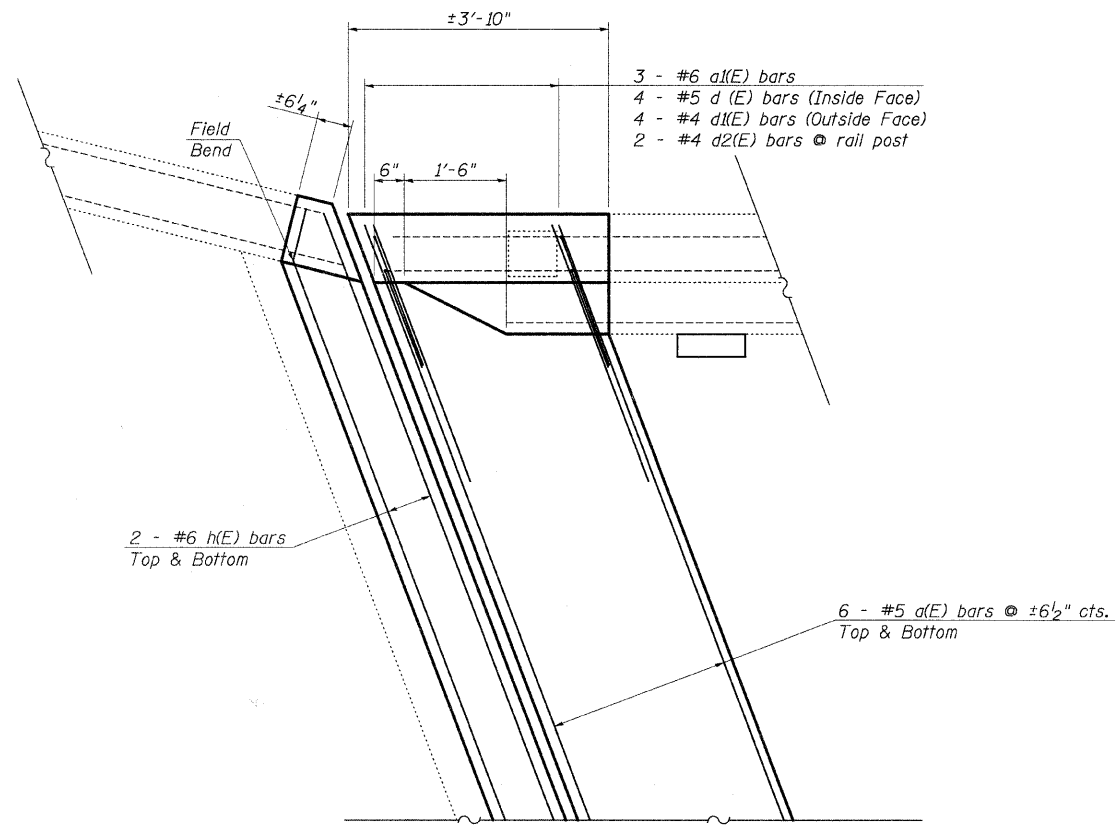
BAR	NUMBER OF BARS		TOTAL	SIZE	LENGTH	SHAPE
	STAGE I	STAGE II				
a (E)	12	12	24	#5	33'-6"	—
a1(E)	3	3	6	#6	4'-0"	—
a2(E)	12	12	24	#5	8'-2"	—
a3(E)	4	4	8	#5	7'-0"	—
c (E)	6	6	12	#5	3'-5"	J
c1(E)	4	4	8	#4	4'-8"	U
d (E)	4	4	8	#5	4'-2"	L
d1(E)	4	4	8	#4	4'-8"	L
d2(E)	2	2	4	#4	2'-1"	□
h (E)	4	4	8	#6	41'-6"	—
h1(E)	2	2	4	#6	7'-8"	—
s (E)	10	10	20	#4	4'-1"	□
REINFORCEMENT BARS (EPOXY COATED)					POUND	1870
CONCRETE REMOVAL					CU YD	20.0
CONCRETE SUPERSTRUCTURE					CU YD	20.0
BAR SPLICERS					CU YD	18



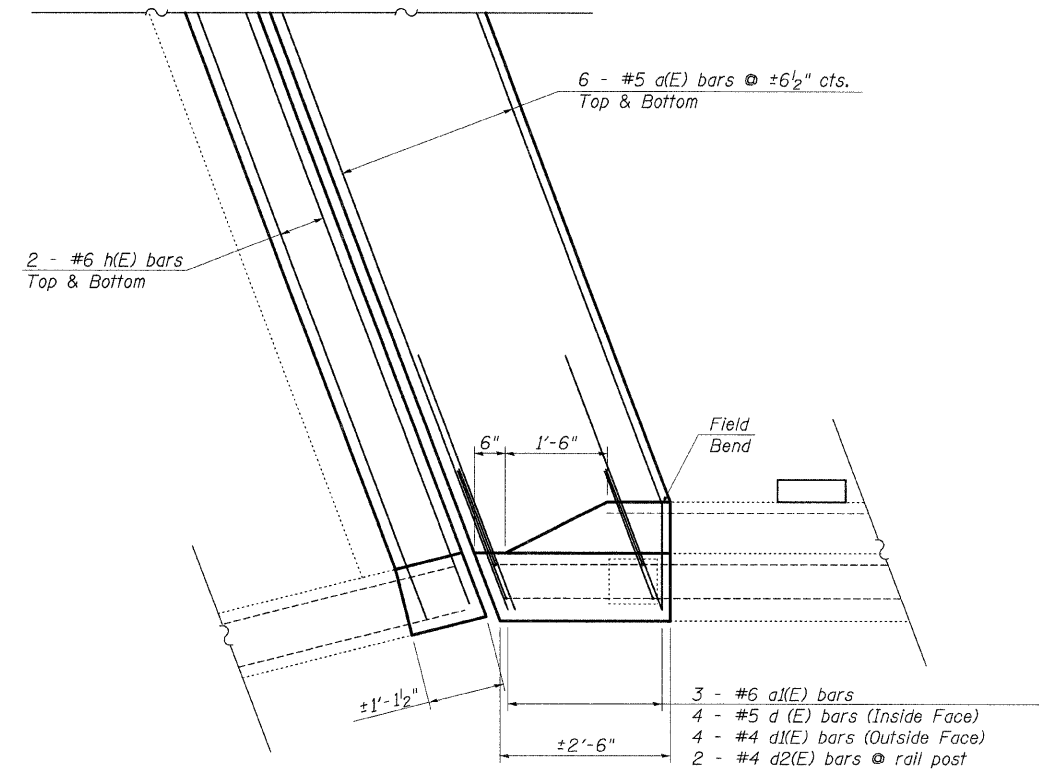
EXISTING PARTIAL PLAN
(South Abutment shown; North Abutment similar)

PROPOSED PARTIAL PLAN
(South Abutment shown; North Abutment similar)

FILE NAME =	USER NAME = teasleyk	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXPANSION JOINT REPLACEMENT DETAILS SN. 012-0048			F.A.P. RTE. 832	SECTION *	COUNTY Clark	TOTAL SHEETS 31	SHEET NO. 22			
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	PLOT SCALE = 20.0000' / IN.	CHECKED - MEA	REVISED -					CONTRACT NO. 74494							
	PLOT DATE = 2/18/2011	DATE - 12/07/2010	REVISED -					#D7 Bridge Repairs 2011-4							



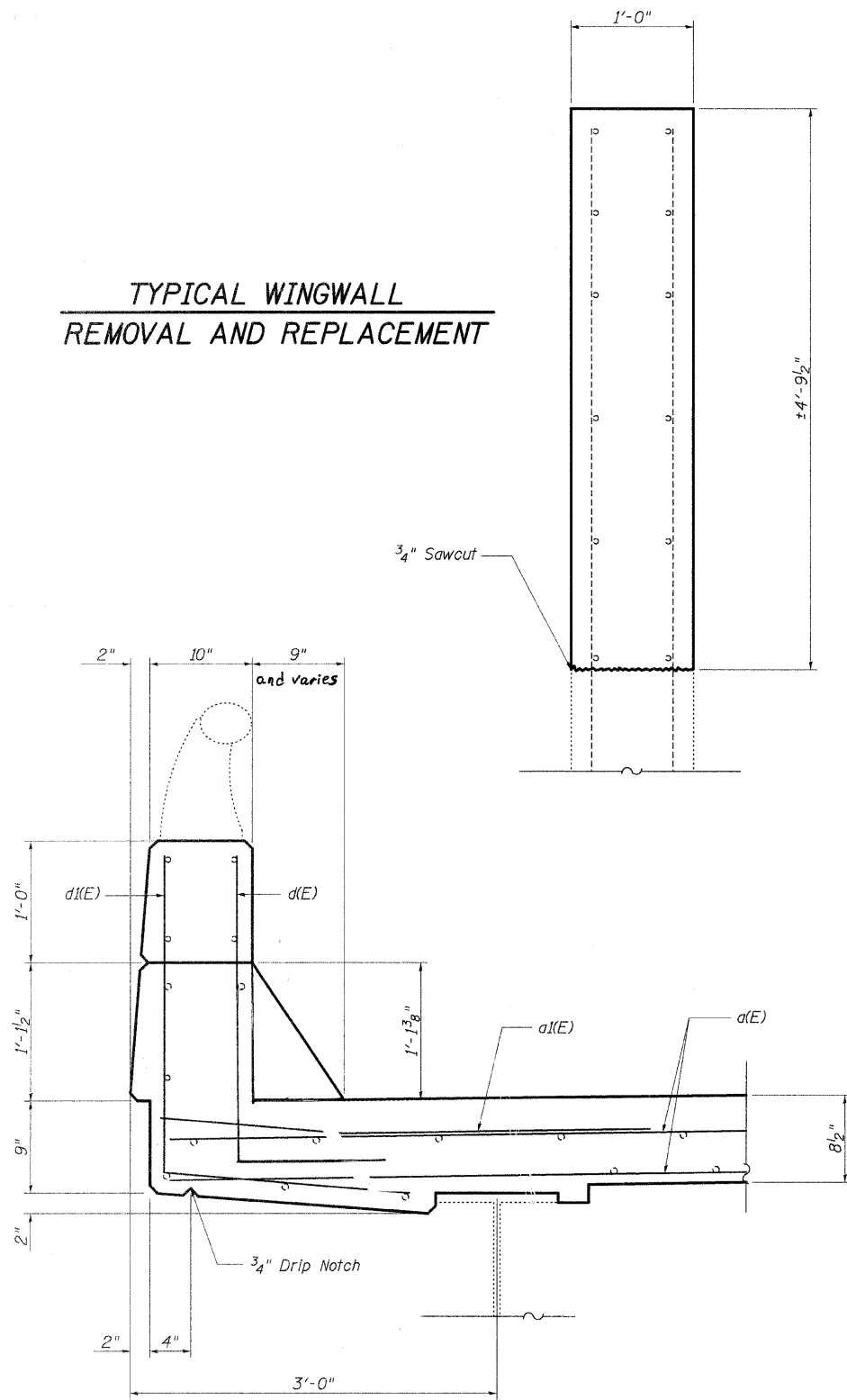
PROPOSED PARTIAL PLAN
 (South Abutment, West Curb shown; North Abutment similar)



PROPOSED PARTIAL PLAN
 (South Abutment, East Curb shown; North Abutment similar)

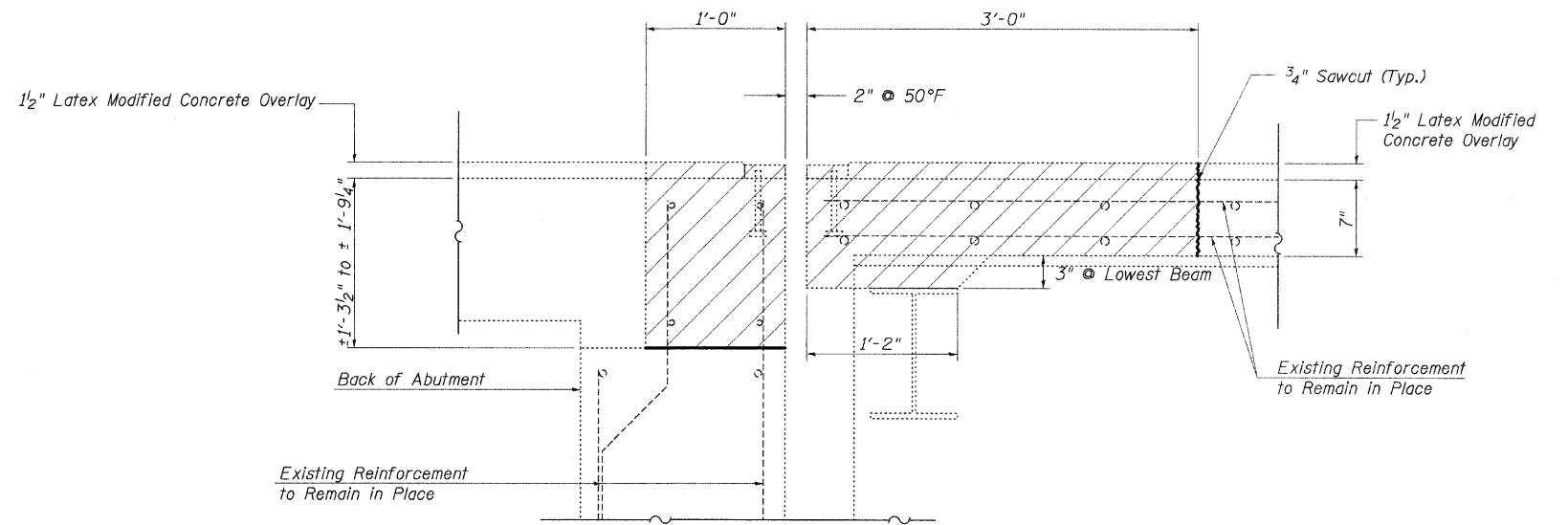
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PLOT DATE = 2/19/2011	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO. 4 OF 10 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

**TYPICAL WINGWALL
REMOVAL AND REPLACEMENT**



SECTION THRU PARAPET

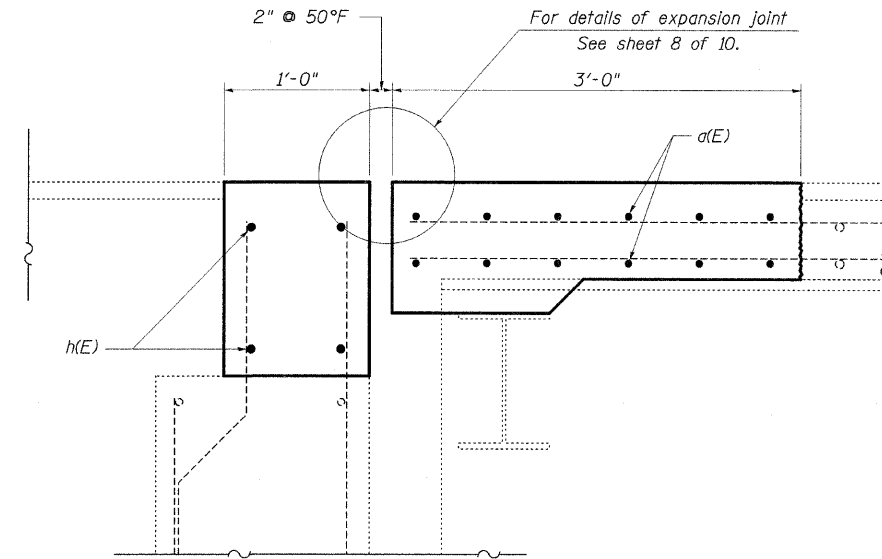
Hatched area indicates removal.



SECTION A-A

(Dimensions at Rt. L's to end of deck)

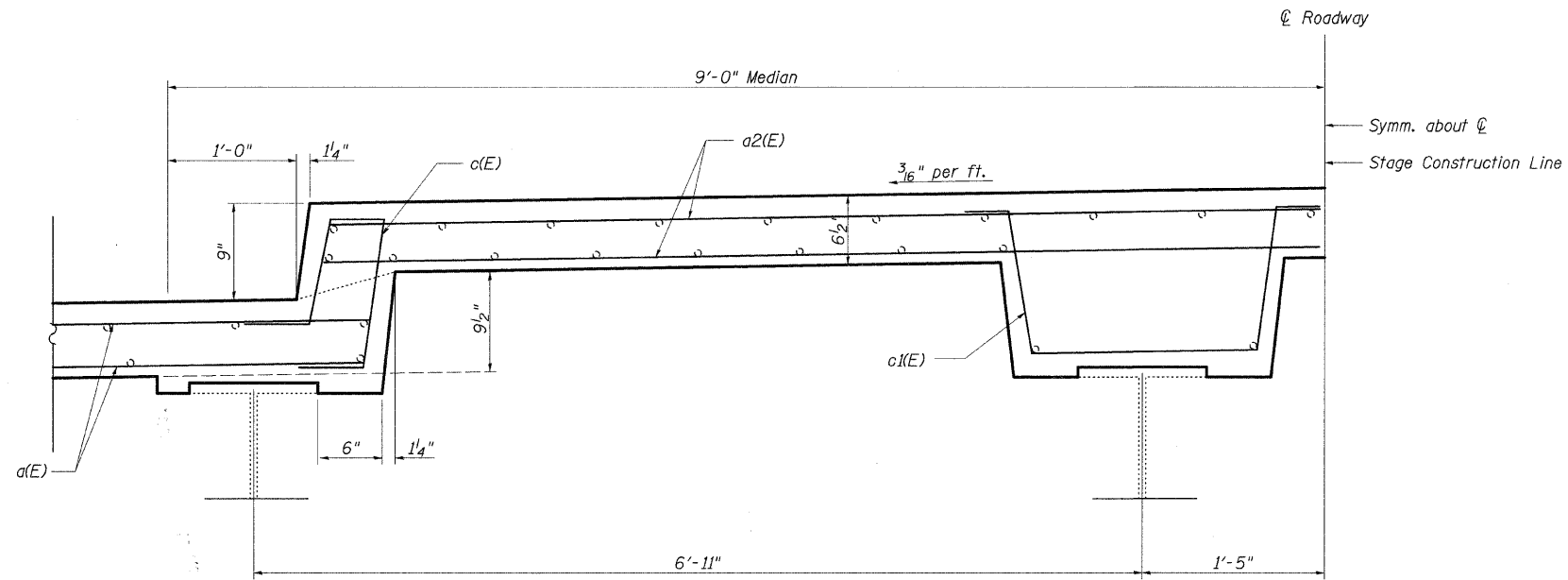
- Existing Reinforcement
- Proposed Reinforcement



SECTION B-B

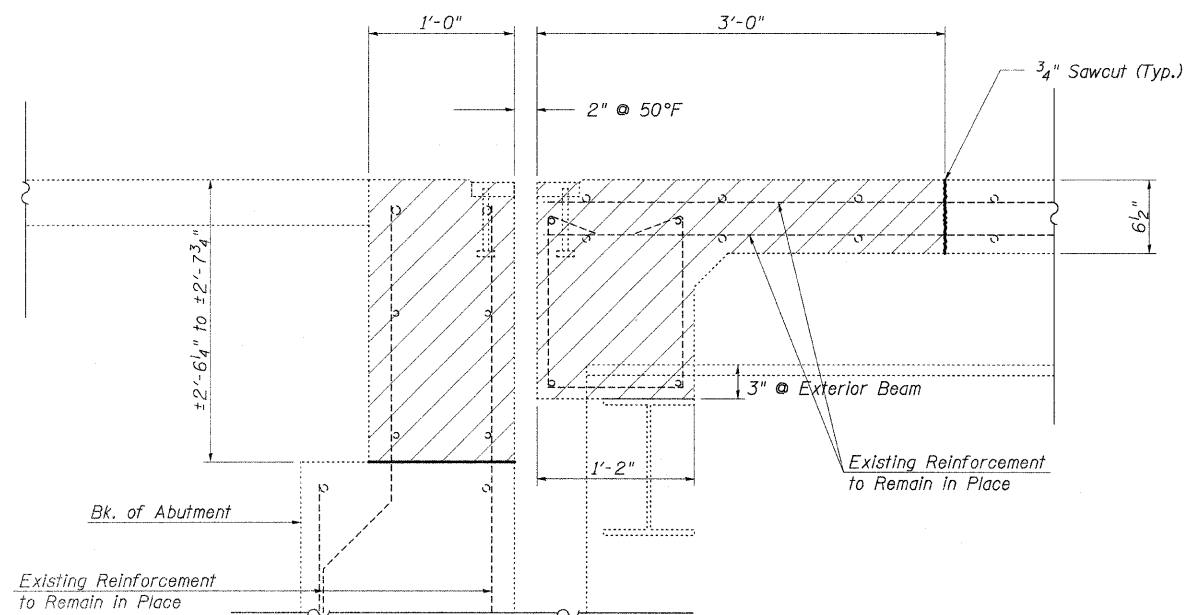
(Dimensions at Rt. L's to end of deck)

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c:\pwork\pwork\teasleyck\38209700\07	4494-sht-brdetails-0120048.dgn	DRAWN - KLB	REVISED -			832	.	Clark	31	24	
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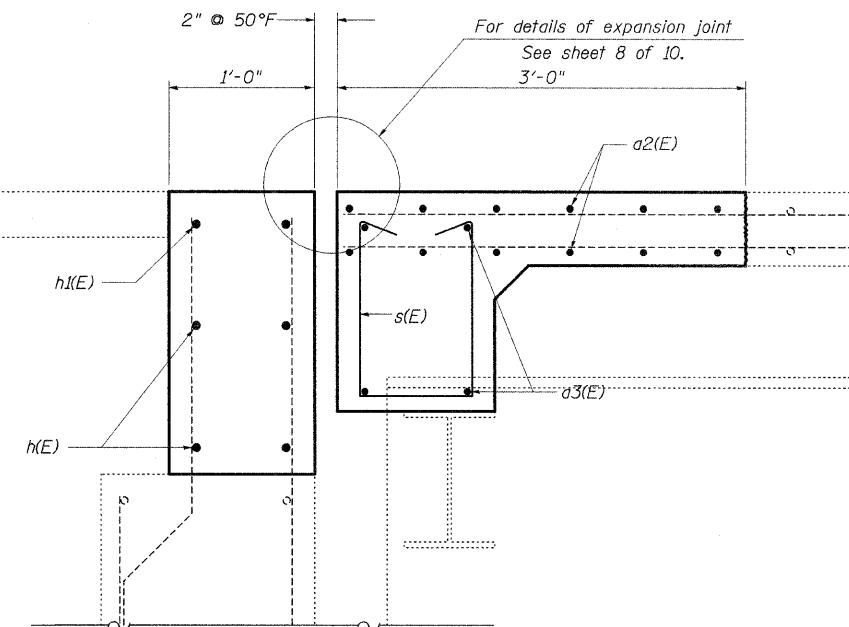


SECTION THRU MEDIAN
(Dimensions at Rt. L's to end of deck)

Hatched area indicates removal.



SECTION C-C
(Dimensions at Rt. L's to end of deck)



SECTION D-D
(Dimensions at Rt. L's to end of deck)

○ Existing Reinforcement
● Proposed Reinforcement

FILE NAME =	USER NAME = teasleyck	DESIGNED - KLB	REVISED -
4494-sht-brdetails-0120048.dgn		DRAWN - KLB	REVISED -
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PLOT DATE = 2/18/2011		DATE - 12/07/2010	REVISED -

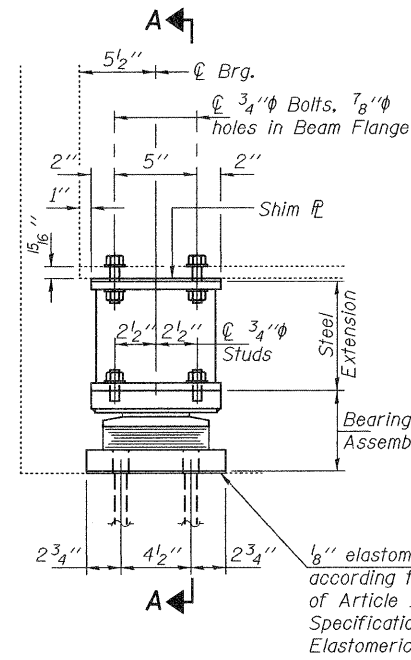
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
SN. 012-0048

F.A.P. RTE. 832	SECTION *	COUNTY Clark	TOTAL SHEETS 31	SHEET NO. 25
CONTRACT NO. 74494			ILLINOIS FED. AID PROJECT	

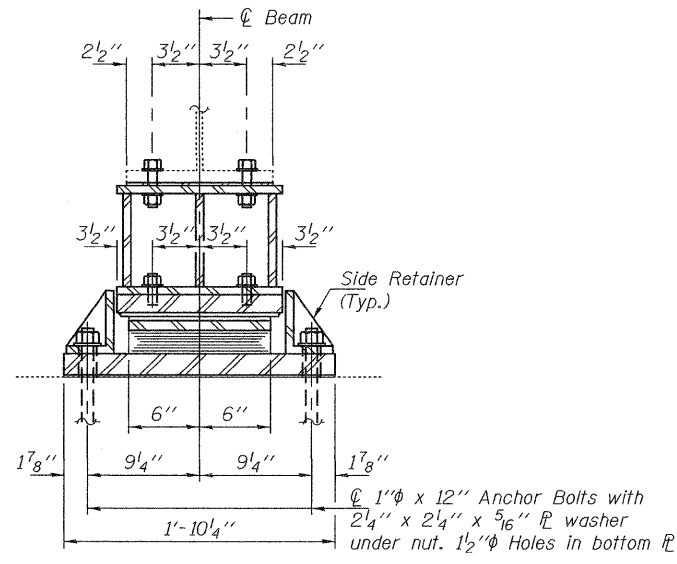
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*D7 Bridge Repairs 2011-4



ELEVATION AT ABUTMENT

TYPE II TFE ELASTOMERIC EXP. BRG.

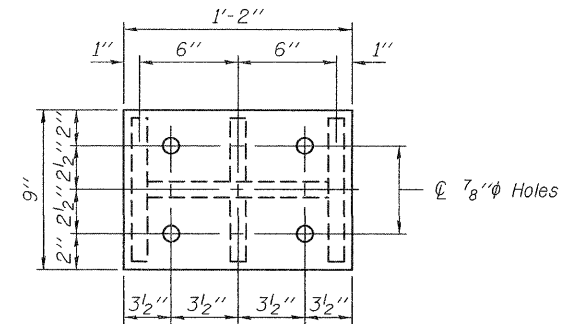


SECTION A-A

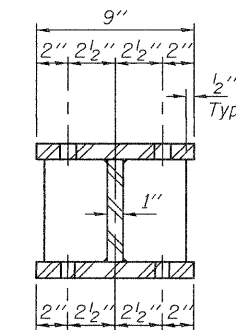
BEAM REACTIONS

RR	(K)	15.8
R ₁	(K)	34.4
Imp.	(K)	10.1
R (Total)	(K)	60.3

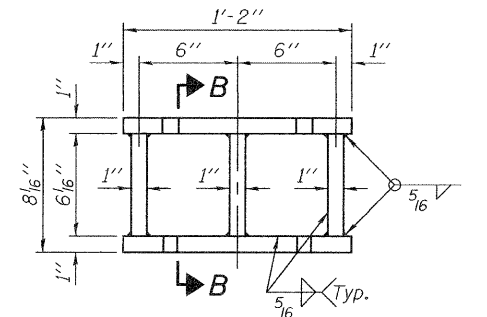
Notes:
 Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
 New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
 Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 30 Tons.
 Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type II.
 The 1/8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.
 Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



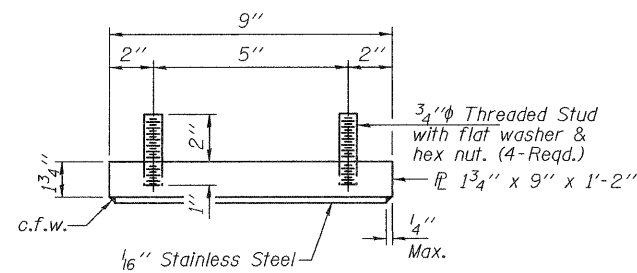
PLAN TOP AND BOTTOM PLATE



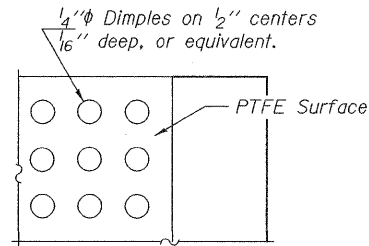
SECTION B-B



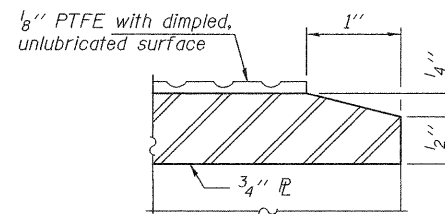
STEEL EXTENSION DETAIL



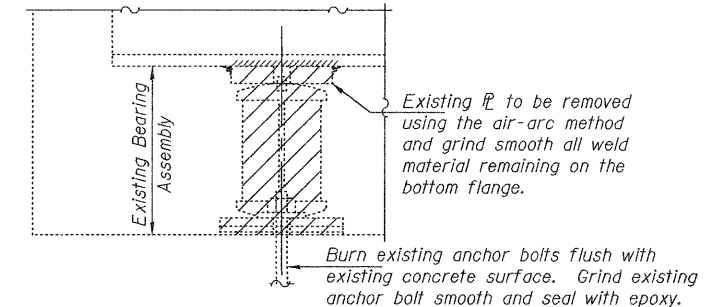
TOP BEARING ASSEMBLY



PLAN-PTFE SURFACE

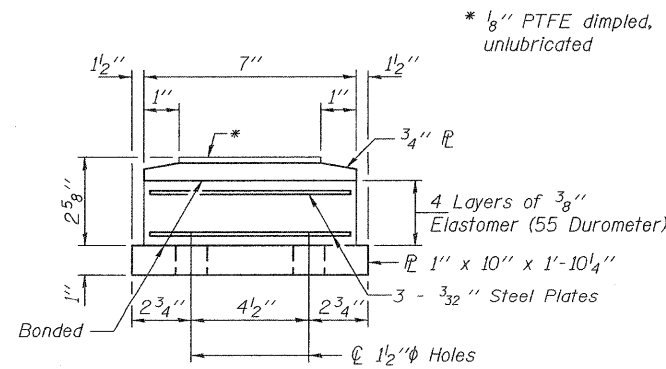


SECTION THRU PTFE

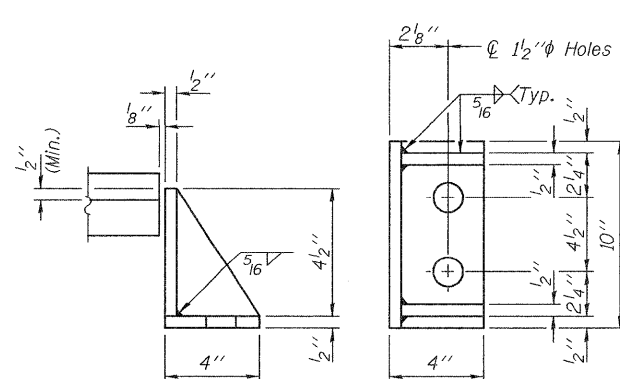


EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

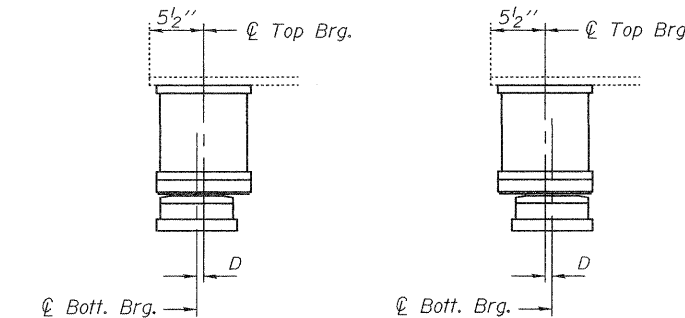


BOTTOM BEARING ASSEMBLY



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



SETTING ANCHOR BOLTS AT EXP. BRG.

D = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

TWO ABUTMENTS BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	24
Jack and Remove Existing Bearings	Each	24
Furnishing and Erecting Structural Steel	Pound	3170
Anchor Bolts 1"φ	Each	96

TYII/REPS 12-03-2008

DESIGNED IJL
 CHECKED DAB
 DRAWN baliva
 CHECKED IJL DAB

EXAMINED
 PASSED
 ACTING ENGINEER OF STRUCTURAL SERVICES
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

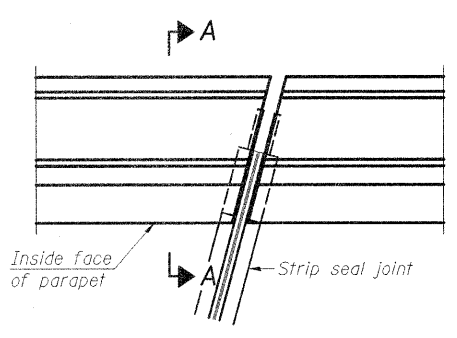
DATE - MARCH 23, 2011

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

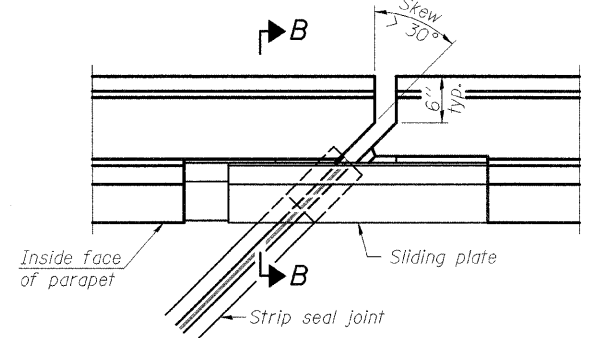
BEARING REPLACEMENT DETAILS
 SN 012-0048

SHEET NO. 1 OF 1 SHEETS

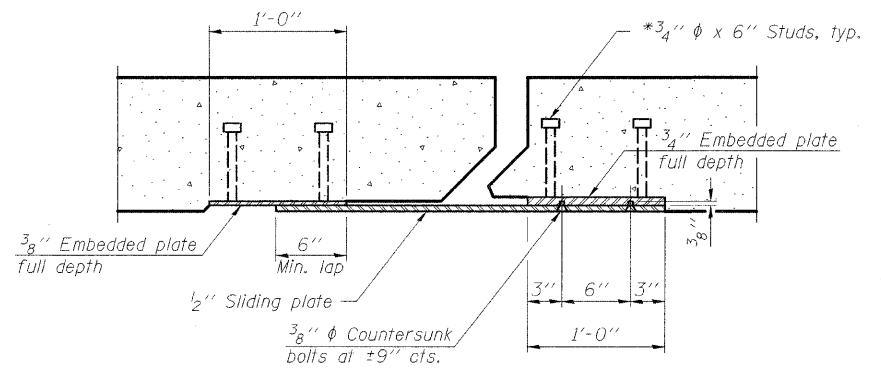
F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.
 832 DT Bridge Repairs 2011-4 CLARK 31 26
 CONTRACT NO. 74494
 ILLINOIS FED. AID PROJECT



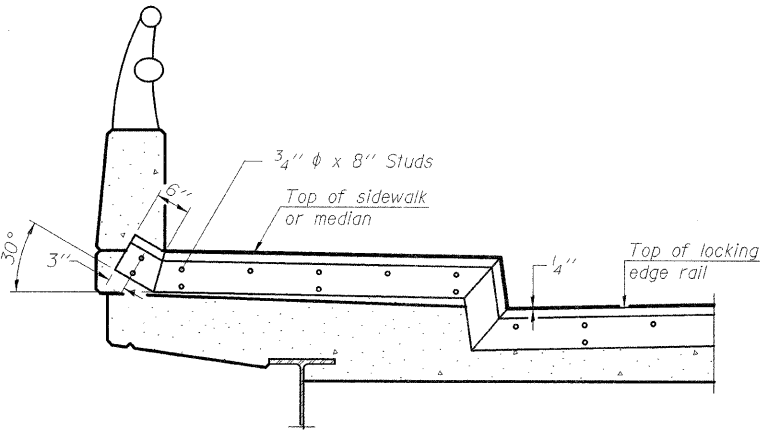
PLAN
(For skews $\le 30^\circ$)



PLAN
(For skews $> 30^\circ$)
Showing point block

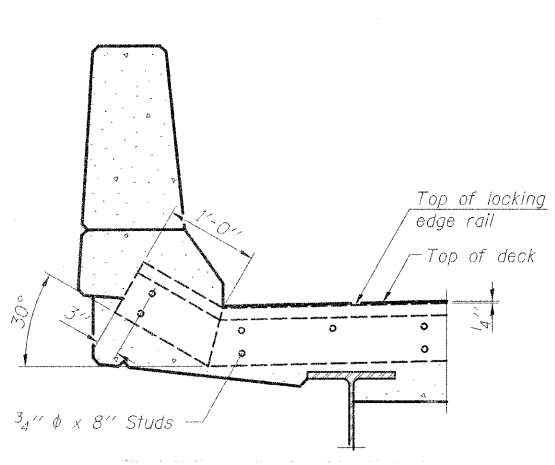


SECTION C-C

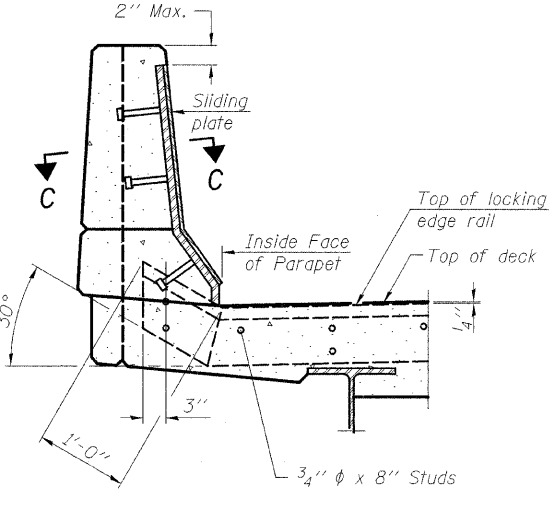


TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN

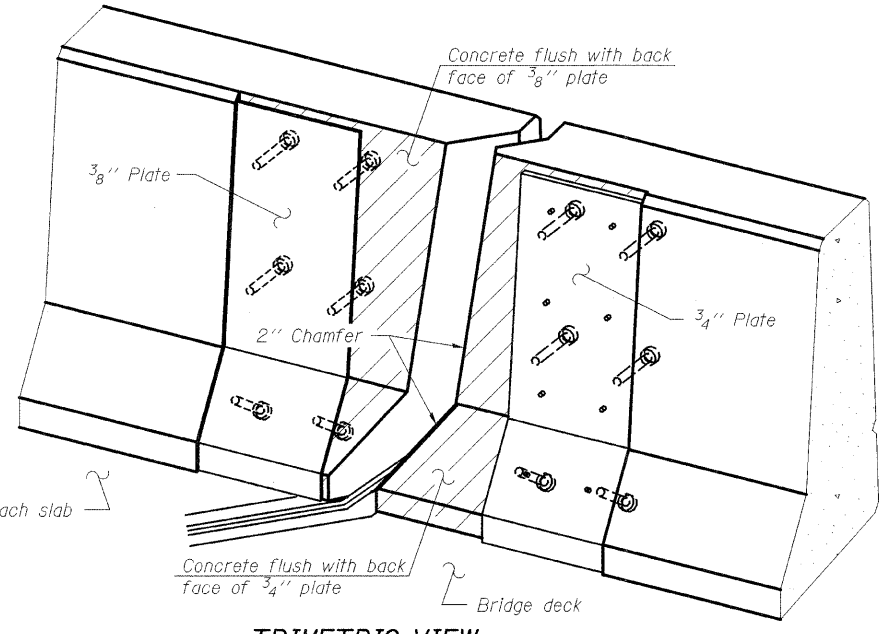
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



SECTION A-A



SECTION B-B

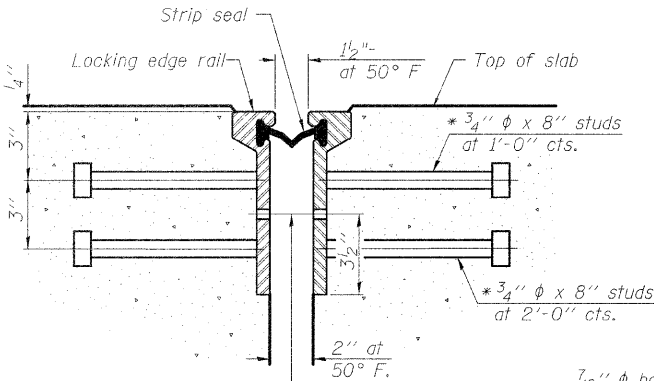


TRIMETRIC VIEW
(Showing back plates only)

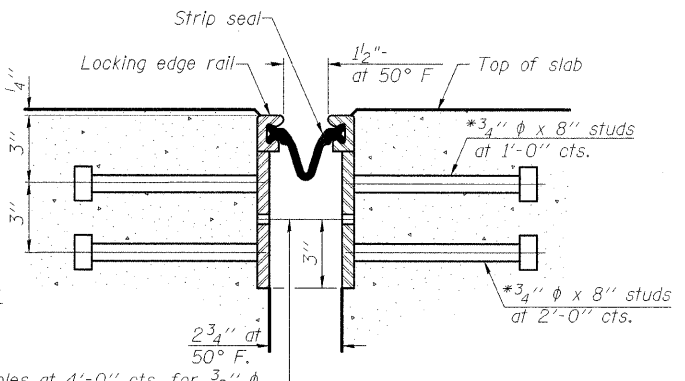
Notes:
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant.
Parapet plates and anchorage studs for skews $> 30^\circ$ included in the cost of Preformed Joint Strip Seal.

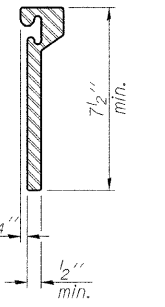


SECTION THRU ROLLED RAIL JOINT

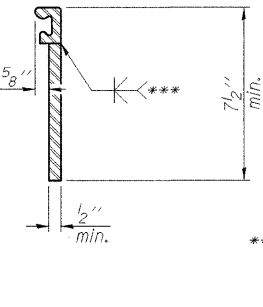


SECTION THRU WELDED RAIL JOINT

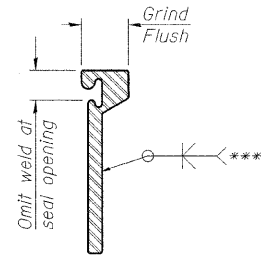
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED EXTRUDED RAIL



WELDED RAIL



LOCKING EDGE RAIL SPLICE

*** Back gouge not required if complete joint penetration is verified by mock-up.

The inside of the locking edge rail groove shall be free of weld residue.
Rolled rail shown, welded rail similar.

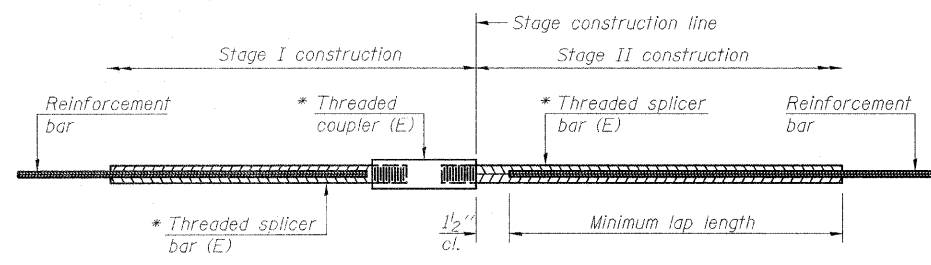
LOCKING EDGE RAILS

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	170.0

EJ-SSJ 7-1-10

FILE NAME = c:\paw_work\pawdot\teasleyck\d8209700\07	USER NAME = teasleyck	DESIGNED - KLB	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PREFORMED JOINT STRIP SEAL STRUCTURE NO. 012-0048	F.A.P. RTE. 832	SECTION *	COUNTY Clark	TOTAL SHEETS 31	SHEET NO. 27
PLOT SCALE = 20.0000 "/> <td>CHECKED - MEA</td> <td>REVISIONS -</td> <td>CONTRACT NO. 74494</td>	CHECKED - MEA	REVISIONS -	CONTRACT NO. 74494							
PLOT DATE = 2/18/2011	DATE - 12/07/2010	REVISIONS -	ILLINOIS FED. AID PROJECT							
			SCALE: SHEET NO. 8 OF 10 SHEETS STA. TO STA.							



STANDARD BAR SPLICER ASSEMBLY

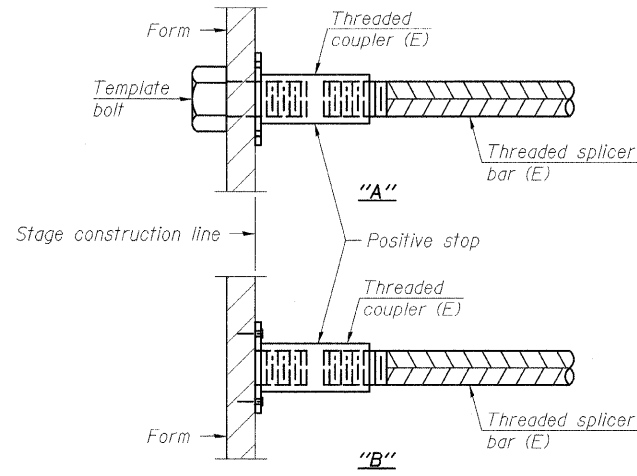
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1/2" + thread length

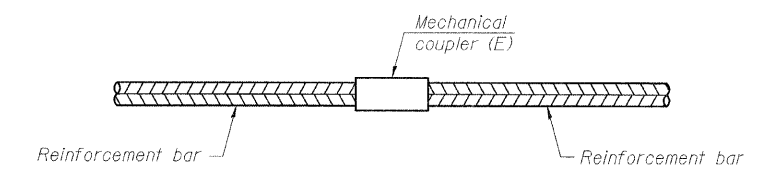
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	24	Table 3
Hatch block	#6	12	Table 3



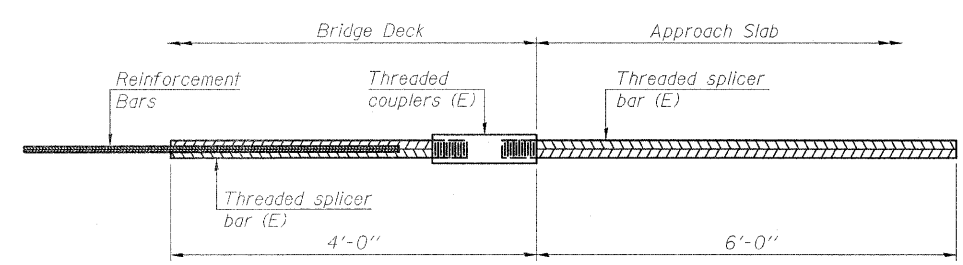
INSTALLATION AND SETTING METHODS

"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.



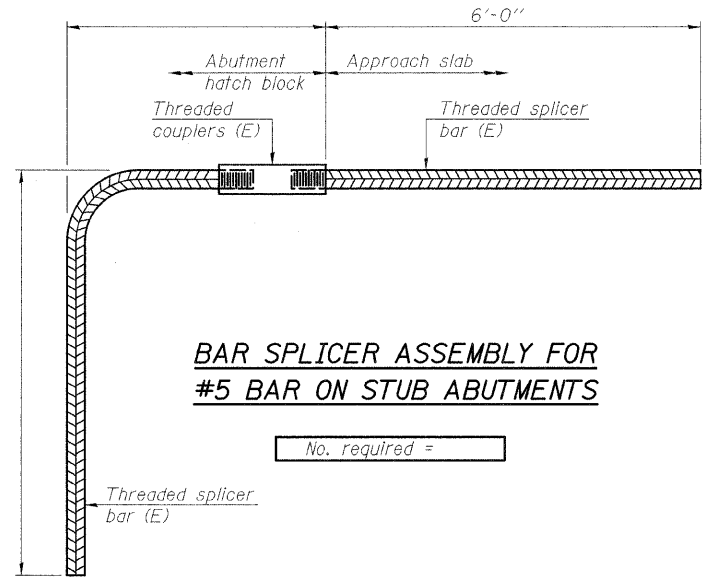
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

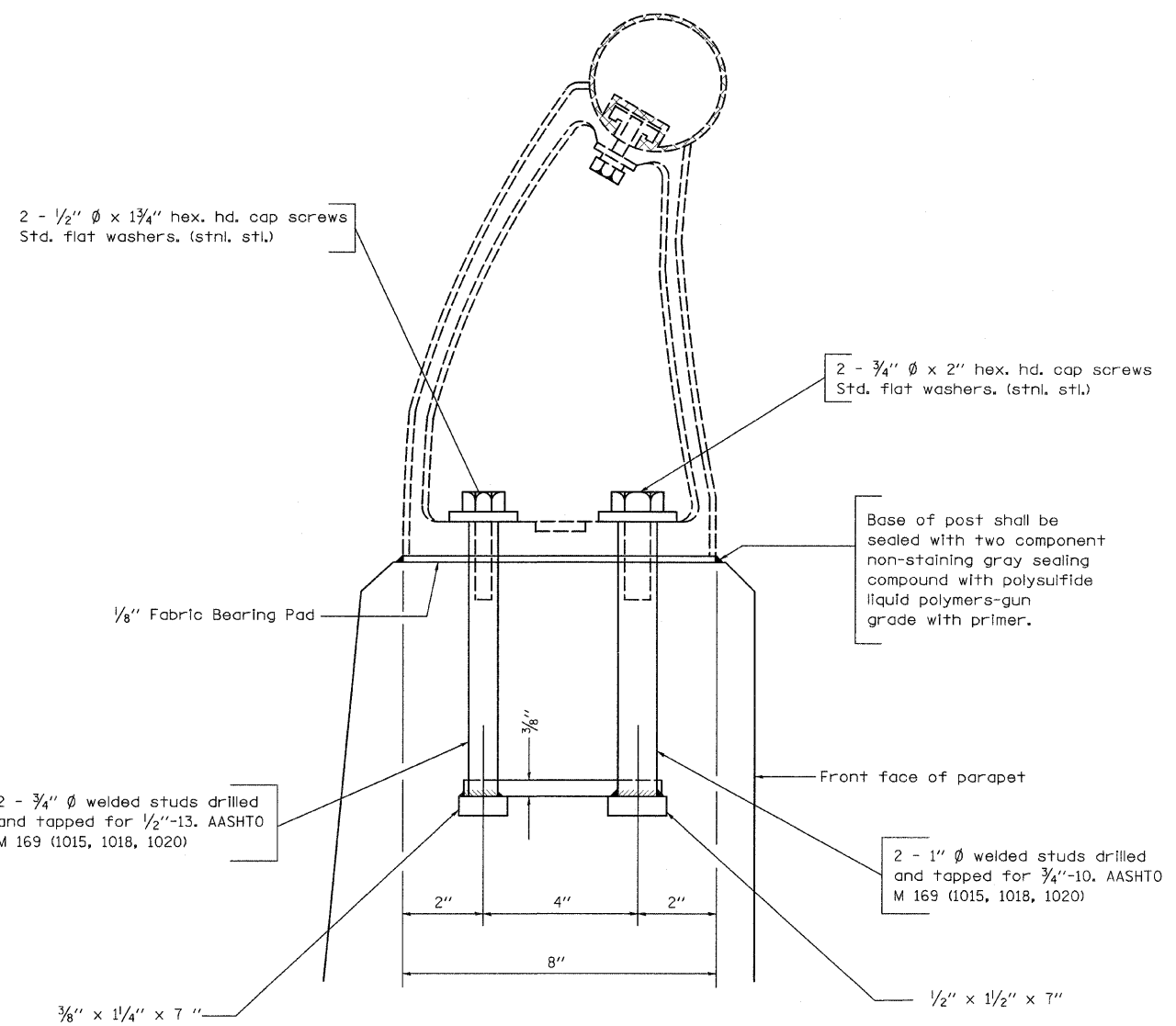
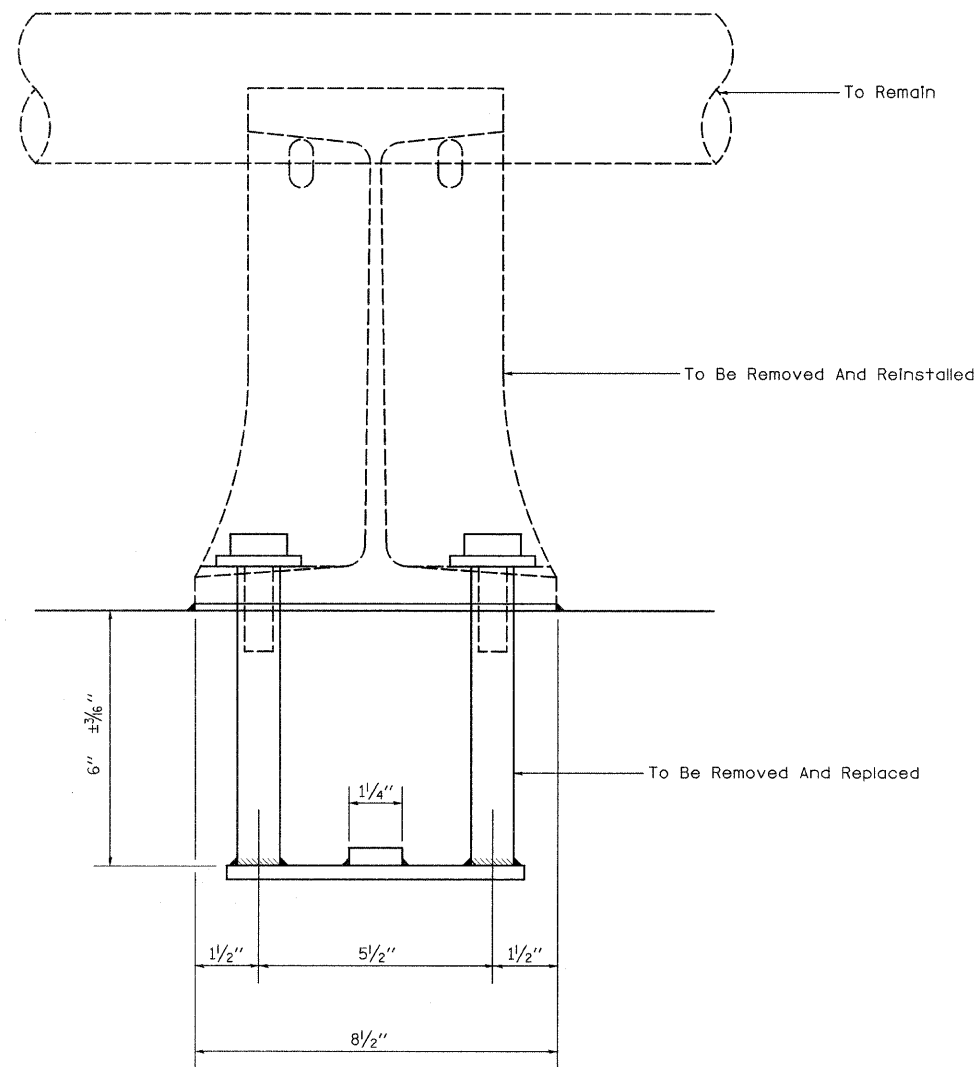
NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See special provision for Mechanical Splicers.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

7-1-10

FILE NAME =	USER NAME = teasleyck	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 012-0048	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\teasleyck\d0209700\07	4494-sht-br-details-0120048.dgn	DRAWN - KLB	REVISED -			832	*	Clark	31	28
PLOT SCALE = 20.0000' / IN.		CHECKED - MEA	REVISED -					CONTRACT NO. 74494		
PLOT DATE = 2/18/2011		DATE - 12/07/2010	REVISED -			SCALE:	SHEET NO. 9 OF 10 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



Note: New Rail Post anchorage devices will be required at each location where posts are connected to new construction. Cost shall be included with Concrete Superstructure.

FILE NAME =	USER NAME = teasleyck	DESIGNED - KLB	REVISED -
c:\paw_work\pawdot\teasleyck\d8209700107	4494-sht-br-details-0120048.dgn	DRAWN - KLB	REVISED -
	PLOT SCALE = 20,0000 ' / IN.	CHECKED - MEA	REVISED -
	PLOT DATE = 2/18/2011	DATE - 12/07/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

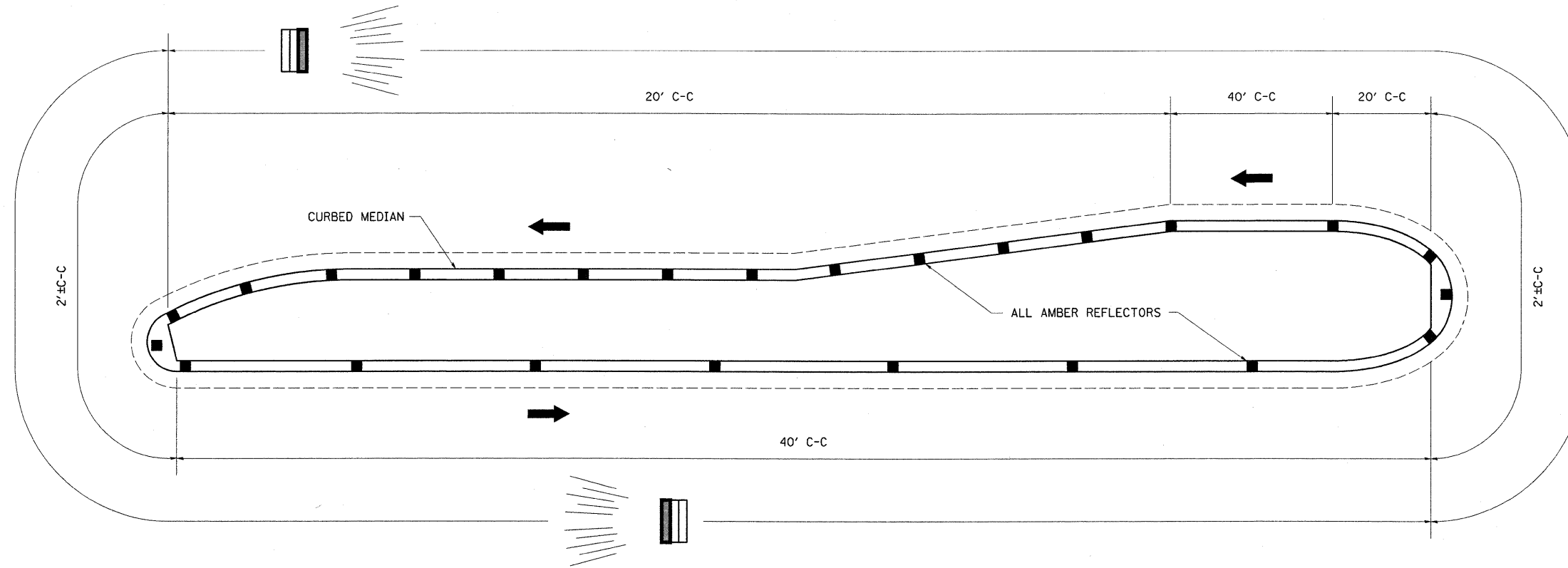
RAIL SUPPORT ANCHOR DETAILS
SN. 012-0048

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832	.	Clark	31	29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74494	

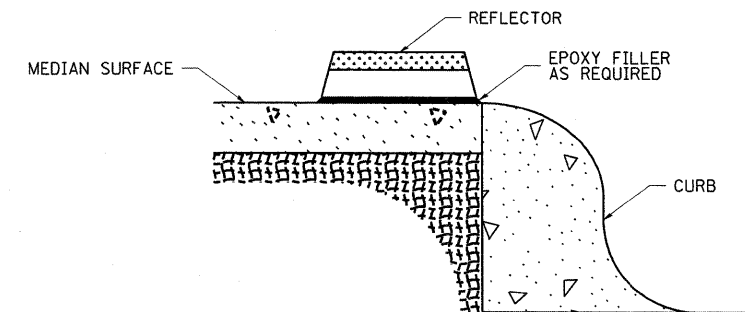
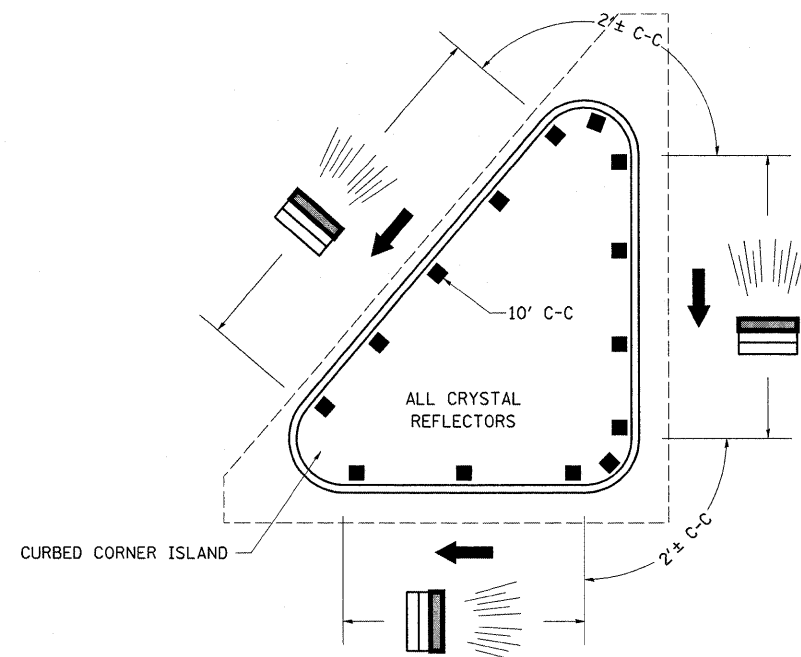
SCALE: SHEET NO. 10 OF 10 SHEETS STA. TO STA.

•D7 Bridge Repairs 2011-4

TYPICAL PLACEMENT OF PRISMATIC CURB REFLECTORS



1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.
4. REFER TO SCHEDULES FOR PRISMATIC REFLECTOR QUANTITIES.
5. USE A MINIMUM OF 3 REFLECTORS ON ISLAND NOSES.



SECTION VIEW

NOT TO SCALE

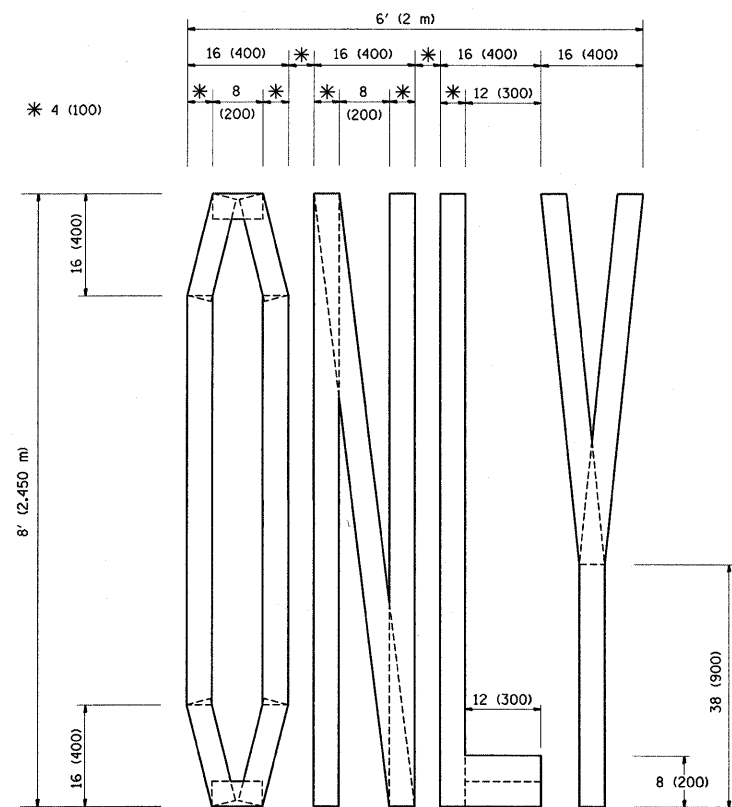
FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -
o:\pwork\pwork\teasleyck\08209700\07	4494-sht-details.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

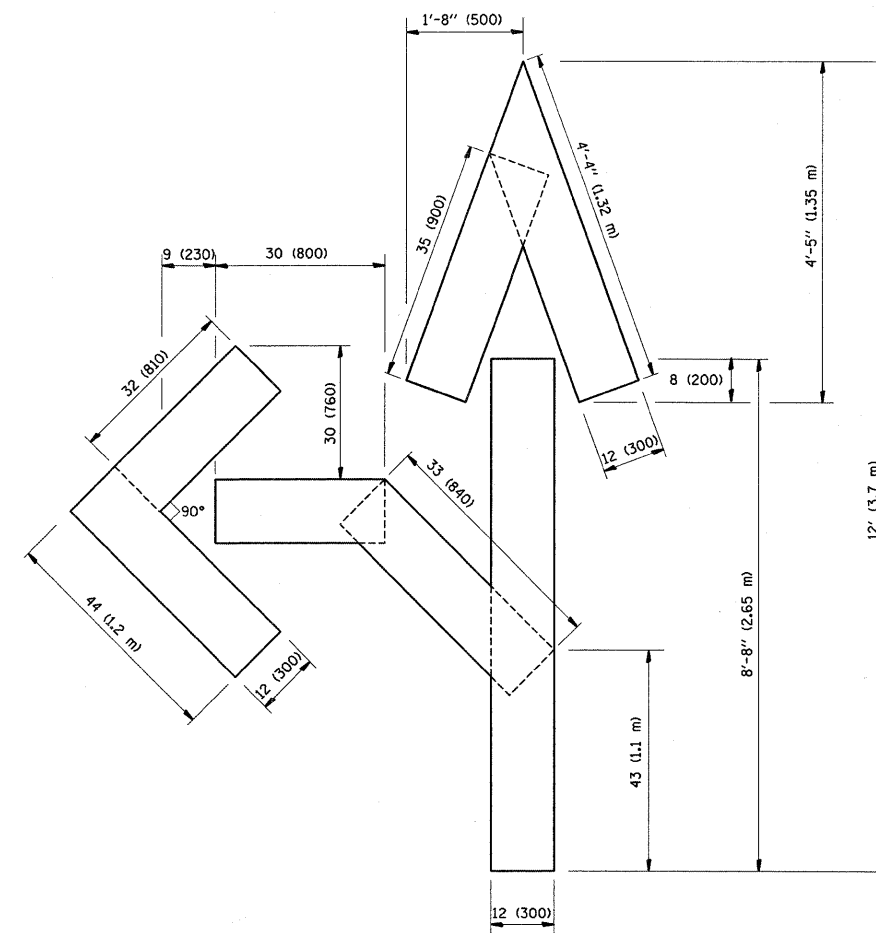
PRISMATIC CURB REFLECTOR

SCALE: SHEET NO. OF SHEETS STA. TO STA.

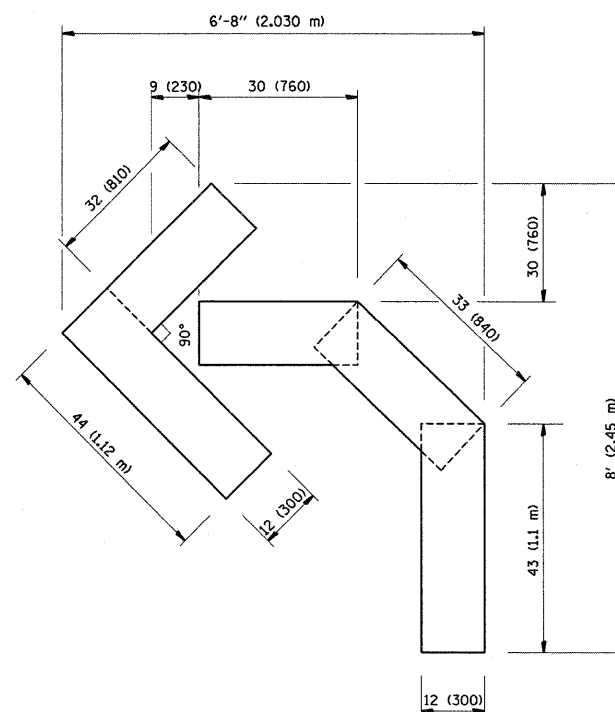
DISTRICT 7 DETAIL NO. 78200300				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832		Clark	31	30
			CONTRACT NO. 74494	
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED - T. RAMMACHER 06-05-96
4494-sht-details.dgn		DRAWN -	REVISED - T. RAMMACHER 11-04-97
PLOT SCALE = 50,0000 ' / IN.		CHECKED -	REVISED - T. RAMMACHER 03-02-98
PLOT DATE = 2/16/2011		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
832	.	Clark	31	31
CONTRACT NO. 74494			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. OF SHEETS STA. TO STA.