

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

F.A.I. 94 (INTERSTATE 94)
 AT TOUHY AVENUE
 SECTION: 0304.1 HB-I-2
BRIDGE DECK OVERLAY, BRIDGE JOINT REPAIR
 SN 016-0713
 PROJECT: BHI-094-2(247)038
 COUNTY: COOK
 C-91-608-11

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 HB-I-2	COOK	44	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60P72	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION :

TOUHY AVENUE

POSTED SPEED: 30-35 M.P.H.

2010 ADT = 43,110

INTERSTATE 94

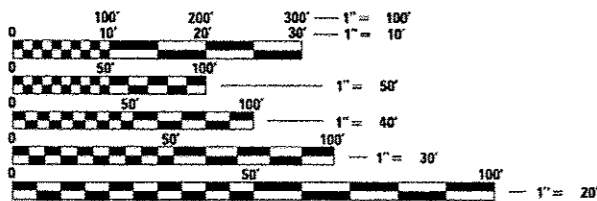
POSTED SPEED: 55 M.P.H.

2010 ADT = 169,500

PROPOSED IMPROVEMENT

REMOVAL AND REPLACEMENT OF THE EXISTING BRIDGE DECK SURFACE,
 PARTIAL BRIDGE DECK REPAIRS, RECONSTRUCTION OF EXPANSION JOINTS,
 STRUCTURAL REPAIR OF THE SUBSTRUCTURE AND OTHER RELATED WORK

PROJECT LOCATED IN THE
 VILLAGE OF LINCOLNWOOD
 VILLAGE OF SKOKIE

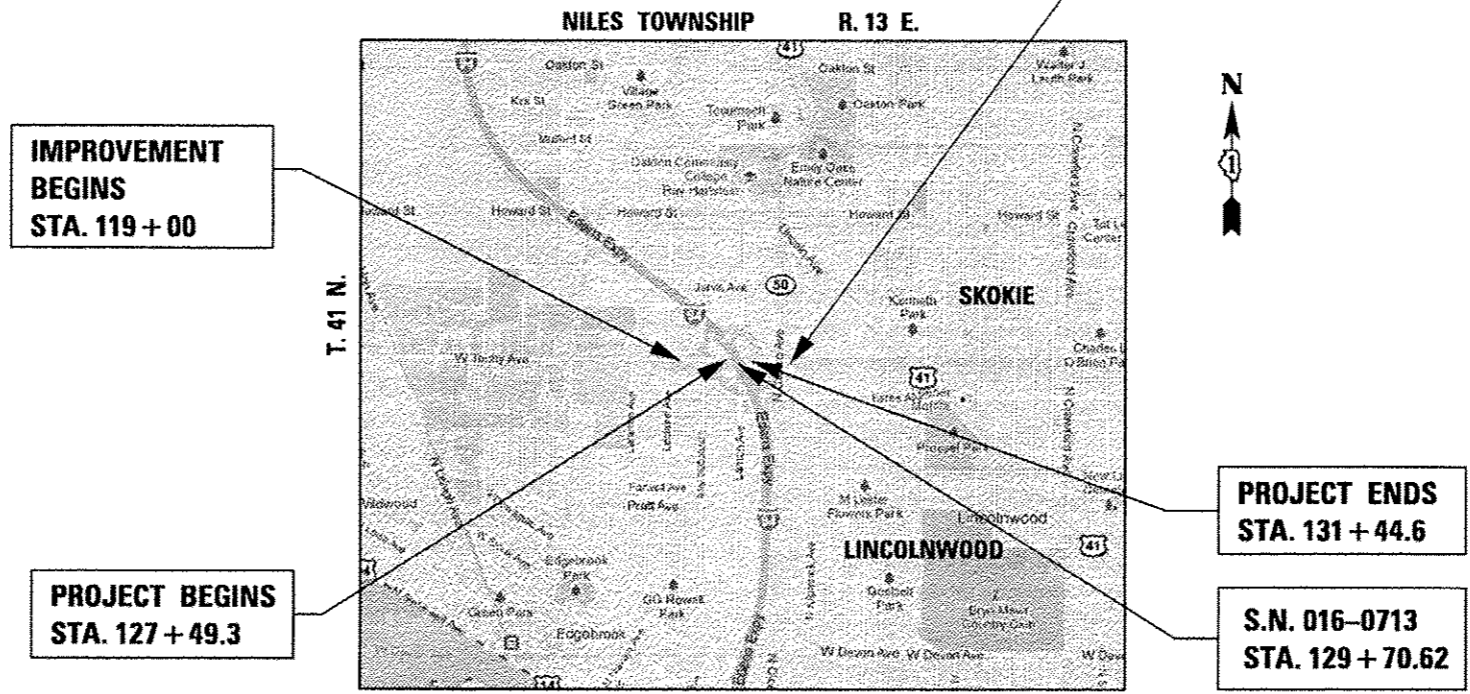


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
 ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
 CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
 ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

DISTRICT ONE - DESIGN
 PROJECT MANAGER : ISAAM RAYYAN (847) 705-4178
 PROJECT ENGINEER : ROBERT BORD (847) 705-4237

CONTRACT NO. 60P72



GROSS LENGTH OF PROJECT = 395 FEET = 0.075 MILES
 NET LENGTH OF PROJECT = 395 FEET = 0.075 MILES

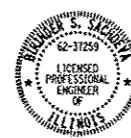
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED MAY 10, 2012

Diana M. O'Hara
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 29, 2012
John D. Baranzelli, P.E., Ia
 acting ENGINEER OF DESIGN AND ENVIRONMENT

June 29, 2012
William P. Frey, Ia
 acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



Birinder S. Sachdeva May 14, 2012
 BIRINDER S. SACHDEVA, P.E.
 EXPIRES: 11-30-2013



Bhadrish N. Shah MAY 14, 2012
 BHADRISH N. SHAH, S.E., P.E.
 EXPIRES: 11-30-2012

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

CR & A
 CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS - PLANNERS - SURVEYORS
 211 W. WACKER DRIVE CHICAGO, IL 60606
 TELEPHONE: 312-372-2023

DATE	
BY	
REVISIONS	
NO.	
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REVISIONS	
NO.	

SHEET NO.	INDEX OF SHEETS
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES - I-94 AT TOUHY AVENUE
3-6	SUMMARY OF QUANTITIES - I-94 AT TOUHY AVENUE
7	SUGGESTED TRAFFIC CONTROL AND PROTECTION NOTES AND DETAILS - I-94 AT TOUHY AVENUE
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33	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
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37-38	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)
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44	ARTERIAL ROAD INFORMATION SIGN (TC-22)

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 16' TO 24" FROM PAVEMENT EDGE
701400-05	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-06	LANE CLOSURE, FREEWAY / EXPRESSWAY
701411-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701446-03	TWO LANE CLOSURE FREEWAY / EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701606-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER

GENERAL NOTES

- FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) OR 811 TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION.
- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM I.D.O.T. FIELD MAINTENANCE ENGINEERS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
- THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, THE AREA TRAFFIC FIELD ENGINEER, AT (847) 715-8419 ATLEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. QUANTITIES FOR THERMOPLASTIC PAVEMENT MARKINGS ARE PROVIDED FOR USE BY THE ENGINEER TO REPLACE WORN EXISTING PAVEMENT MARKINGS.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC.
- SEEDING CLASS 2A AND NUTRIENTS SHALL BE INCLUDED IN THE COST OF TOPSOIL FURNISH AND PLACE, 4".
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED UNLESS NOTED ON THE PLAN.
- ANY SIGNAGE, PAVEMENT MARKINGS OR REFLECTORS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED A NEW.

FILE NAME = D:\SRP72-eh1-index.dgn
 PLOT DATE = 5/14/2012
 PLOT SCALE = 59.2400 1/4" IN.

DESIGNED - E.J.M.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - G.F.L.	REVISED -
DATE - MAY 2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF STATE STANDARDS AND
GENERAL NOTES - I-94 AT TOUHY AVENUE**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 HB-1-2	COOK	44	2
CONTRACT NO. 60PT2			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT	

DATE	
BY	
SAVED	
PRINTED	
NOTED	
TEMPERATURE	
AREAS CHECKED	
NO.	

DATE	
BY	
SAVED	
PRINTED	
NOTED	
TEMPERATURE	
AREAS CHECKED	
NO.	

SUMMARY OF QUANTITIES			URBAN 90% FED. 10% STATE		CONSTRUCTION CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0014 BRIDGE REPAIR FED STATE	
20200100	EARTH EXCAVATION	CU YD	198	198	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	170	170	
25100630	EROSION CONTROL BLANKET	SQ YD	170	170	
28000400	PERIMETER EROSION BARRIER	FOOT	291	291	
44000100	PAVEMENT REMOVAL	SQ YD	261	261	
48101200	AGGREGATE SHOULDERS, TYPE B	TONS	100	100	
50102400	CONCRETE REMOVAL	CU YD	40.4	40.4	
50157300	PROTECTIVE SHIELD	SQ YD	1767	1757	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	40.4	40.4	
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	2100	2100	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3800	3800	
50800515	BAR SPLICERS	EACH	48	48	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	233	233	
59000200	EPOXY CRACK INJECTION	FOOT	87	87	

* SPECIALTY ITEM

FILE NAME = D:\BSP72-1\1-500.dgn
 PLOT DATE = 5/14/2012
 PLOT SCALE = 0.8000" = 1' IN.

CHRISTIAN ROSE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-6274

DESIGNED - E.J.M.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - G.F.L.	REVISED -
DATE - MAY 2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 I-94 AT TOURY AVENUE

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 H8-1-2	COOK	44	3
CONTRACT NO. 60P72			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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REVISIONS	
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DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

SUMMARY OF QUANTITIES			URBAN 90% FED. 10% STATE		CONSTRUCTION CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0014 BRIDGE REPAIR FED STATE	
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	2100	2100	
Z0012102	CONCRETE BRIDGE DECK SCARIFICATION (3/8 INCH)	SQ YD	2426	2426	
Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	2426	2426	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 6 INCHES)	SQ FT	325	325	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2	2	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	2	2	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	104	104	
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
Z0062456	TEMPORARY PAVEMENT	SQ YD	261	261	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	GAL DA	21	21	

* SPECIALTY ITEM

14

FILE NAME = D16072-INT-SQ0-B1.dgn
 PLOT DATE = 5/14/2012
 PLOT SCALE = 50.0000' / 1"

CR CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2022 FAX: (312)372-5274

DESIGNED - E.J.M.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - G.F.L.	REVISED -
DATE - MAY 2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 I-94 AT TOWHY AVENUE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 HB-1-2	COOK	44	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P72	

Rev.

SUGGESTED STAGING AND MAINTENANCE OF TRAFFIC TOUHY AVENUE AND I-94

CONSTRUCTION STAGING

PRESTAGE

- TOUHY AVE. - PLACE TEMPORARY CONCRETE BARRIER.
- I-94 - INSTALL PROTECTIVE SHIELDING.

STAGE I

- PERFORM FULL AND PARTIAL DEPTH PATCHING, REPLACE BRIDGE JOINTS, OVERLAY INSIDE LANES.
- PERFORM STRUCTURAL REPAIRS ON THE PIERS, INSTALL TEMPORARY SHORING AND CRIBBING AS NEEDED.

STAGE II

- PERFORM FULL AND PARTIAL DEPTH PATCHING, REPLACE BRIDGE JOINTS, OVERLAY OUTSIDE LANES AND REPAIR AND OVERLAY APPROACH SLABS.
- PERFORM STRUCTURAL REPAIR ON THE PIERS AND INSTALL TEMPORARY SHORING AND CRIBBING AS NEEDED. REMOVE TEMPORARY SHIELDING.

MAINTENANCE OF TRAFFIC

PRESTAGE

- TOUHY AVE. - CLOSE INSIDE LANES AND PLACE TEMPORARY CONCRETE BARRIER USING STANDARD 701601.
- I-94 - LANE CLOSURES OF ONE OR TWO LANES ON I-94 SHALL BE DONE UTILIZING STANDARDS 701400, 701401 AND 701446 DURING NIGHT-TIME OFF PEAK HOURS.

STAGE I

- TOUHY AVE. - MAINTAIN ONE LANE IN EACH DIRECTION AS SHOWN ON STAGE I. PLACE SIGNING AND TEMPORARY PAVEMENT MARKING AS SHOWN ON THE STAGING PLAN AND ON STANDARD 701606.

STAGE II

- TOUHY AVE. - MAINTAIN ONE LANE IN EACH DIRECTION AS SHOWN ON STAGE II. PLACE SIGNING AND TEMPORARY PAVEMENT MARKING AS SHOWN ON THE STAGING PLAN AND ON STANDARD 701606.
- I-94 - CLOSE RAMPS A & E PER DISTRICT 1 STANDARD TC-08 ON SHEET NO. 34.
- REROUTE RAMP A & E TRAFFIC USING DETOUR ON SHEET NO. 8.

TRAFFIC CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL NOT MOUNT SIGNS ON EXISTING SIGNS.
2. CONTRACTOR SHALL MAINTAIN SATISFACTORY INGRESS AND EGRESS TO ADJACENT PROPERTIES THROUGHOUT THE CONSTRUCTION.
3. ALL TEMPORARY PAVEMENT MARKING SHALL BE WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III.
4. USE SUGGESTED TRAFFIC CONTROL PLAN IN CONJUNCTION WITH STANDARD 701606.
5. THE COST OF THE SIGNING AND BARRICADING FOR BOTH SHOULDERS OF I-94 SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
6. THE DETOUR PLAN FOR RAMPS 'A' AND 'E' IN STAGE II CAN ONLY BE IN PLACE FOR 21 CALENDAR DAYS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
TEMPORARY PAVEMENT FOR TRAFFIC STAGING	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8.5" (3 LIFTS)	4% @ 50 GYR
HOT-MIX ASPHALT SURFACE, COURSE MIX "D", N50, (IL-9.5mm), 1.5"	4% @ 50 GYR

FILE NAME = D:\G0P72-sht-stagenotes.dgn
 PLOT DATE = 5/14/2012
 PLOT SCALE = 50.0000' / IN.



CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
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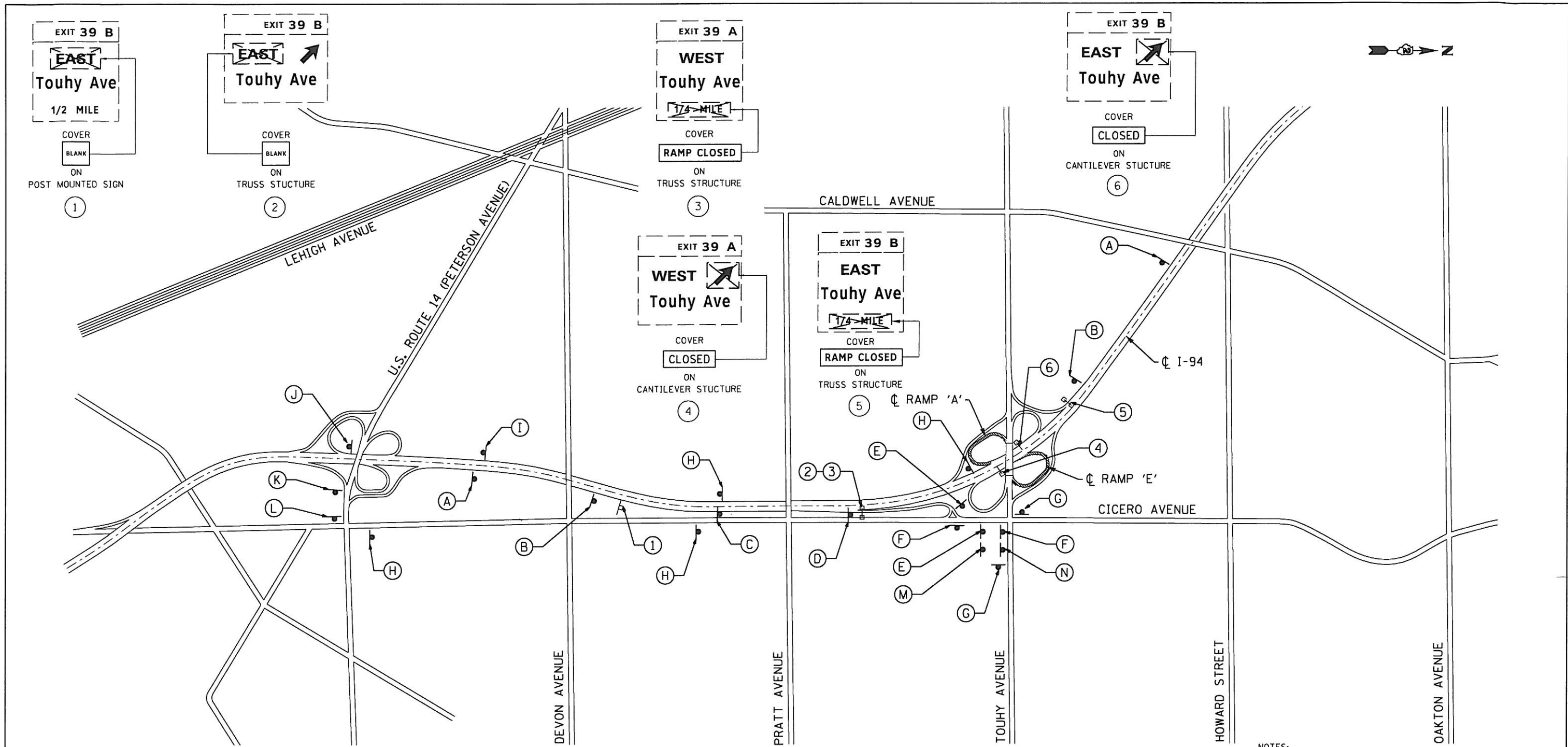
DESIGNED - E.J.M.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - G.F.L.	REVISED -
DATE - MAY 2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

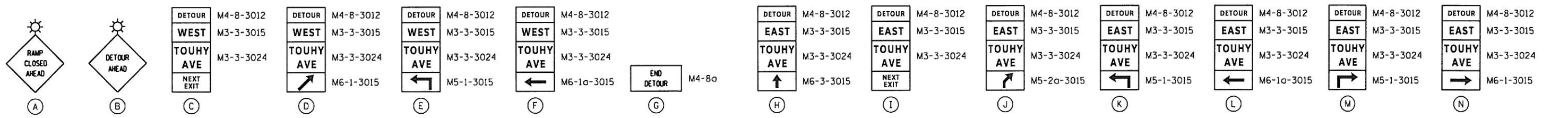
**SUGGESTED TRAFFIC CONTROL AND PROTECTION NOTES AND DETAILS
 I-94 AT TOUHY AVENUE**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 HB-I-2	COOK	44	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P72	



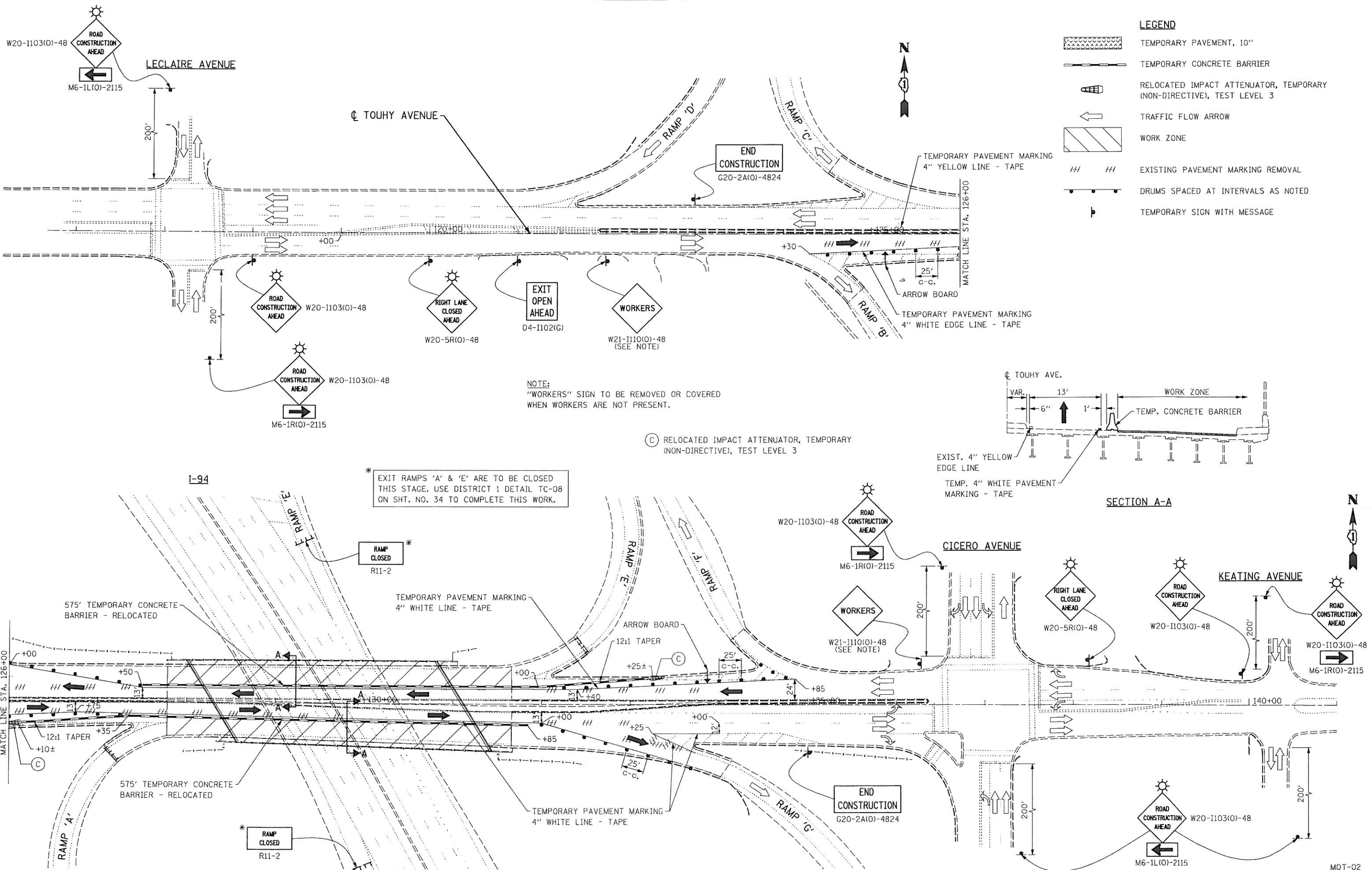
- NOTES:**
1. FOR RAMP CLOSURE DETAILS SEE DISTRICT STD. TC-08.
 2. THE DETOURS FOR RAMPS 'A' & 'E' WILL ONLY BE ALLOWED FOR 21 CALENDAR DAYS AS APPROVED BY THE ENGINEER.
 3. THE DETOURS WILL WORK IN CONJUNCTION WITH STAGE II OF THE CONTRACT PLANS.



FILE NAME =	USER NAME = 1DDT	DESIGNED - G.F.L.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DETOUR PLAN FOR RAMPS 'A' AND 'E' CLOSURE - TOUHY AVENUE AT I-94				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
1:\102915.Touhy.Ave\CADD Sheets\0168P72	detourplan.dgn	DRAWN - B.K.	REVISED -									94	0304.1 HB-1-2	COOK	44	8	
PLOT SCALE = 1200.0000' / IN.	CHECKED - E.J.M.	REVISED -	SCALE: 1" = 600'									SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT
PLOT DATE = 5/15/2012	DATE - MAY 2012	REVISED -	CONTRACT NO. 60P72														

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	



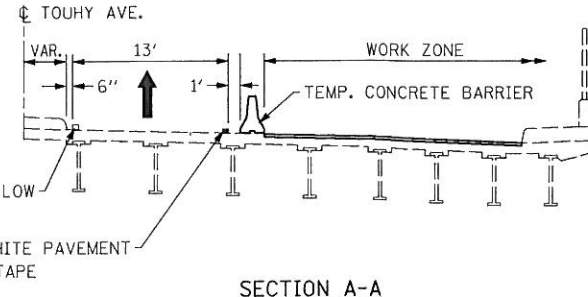
LEGEND

	TEMPORARY PAVEMENT, 10"
	TEMPORARY CONCRETE BARRIER
	RELOCATED IMPACT ATTENUATOR, TEMPORARY (NON-DIRECTIVE), TEST LEVEL 3
	TRAFFIC FLOW ARROW
	WORK ZONE
	EXISTING PAVEMENT MARKING REMOVAL
	DRUMS SPACED AT INTERVALS AS NOTED
	TEMPORARY SIGN WITH MESSAGE

NOTE:
"WORKERS" SIGN TO BE REMOVED OR COVERED
WHEN WORKERS ARE NOT PRESENT.

(C) RELOCATED IMPACT ATTENUATOR, TEMPORARY
(NON-DIRECTIVE), TEST LEVEL 3

* EXIT RAMP 'A' & 'E' ARE TO BE CLOSED
THIS STAGE. USE DISTRICT 1 DETAIL TC-08
ON SHT. NO. 34 TO COMPLETE THIS WORK.



FILE NAME = D162P72-sht-stage2.01.dgn
PLOT DATE = 5/14/2012
PLOT SCALE = 58.0000' / IN.

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED -	E.J.M.	REVISED -	
DRAWN -	B.K.	REVISED -	
CHECKED -	G.F.L.	REVISED -	
DATE -	MAY 2012	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

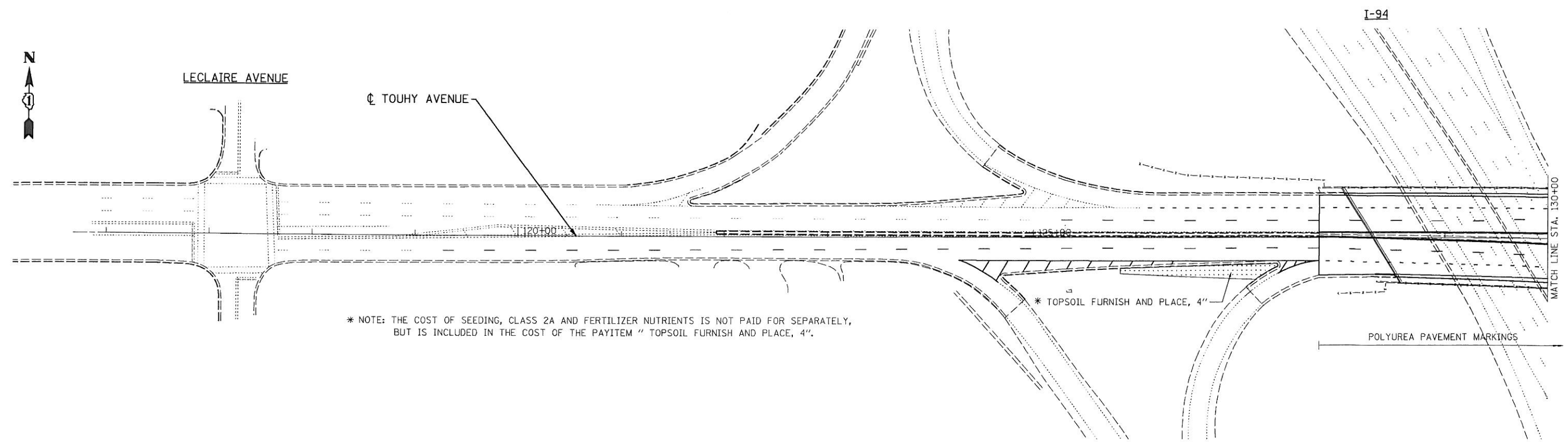
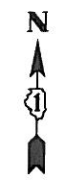
**TRAFFIC CONTROL AND PROTECTION
TOUHY AVENUE OVER I-94
STAGE II**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 HB-I-2	COOK	44	10
CONTRACT NO. 60P72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

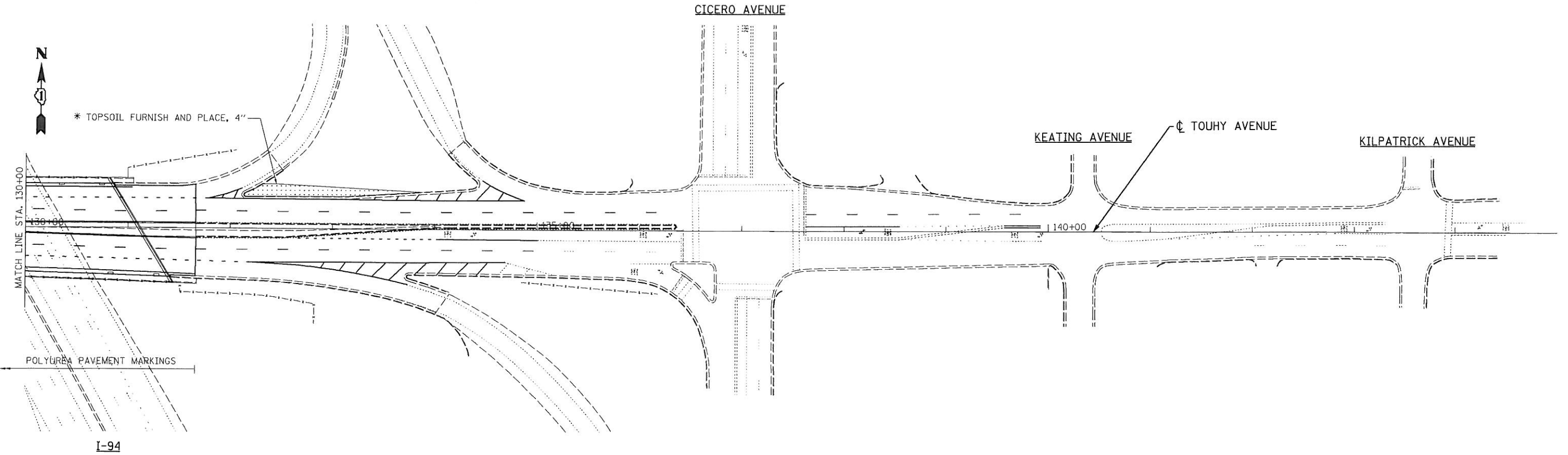
MOT-02

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	



* NOTE: THE COST OF SEEDING, CLASS 2A AND FERTILIZER NUTRIENTS IS NOT PAID FOR SEPARATELY, BUT IS INCLUDED IN THE COST OF THE PAYITEM " TOPSOIL FURNISH AND PLACE, 4\"/>

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	



LEGEND

- | | | |
|---|--|------------------------------------|
| 1 LINE 4" (YELLOW SOLID LINE) | 5 LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 9 LINE 12" (YELLOW SOLID LINE) |
| 2 LINE 4" (DOUBLE YELLOW SOLID LINES) | 6 LINE 6" (WHITE SOLID LINE) | 10 LINE 12" (YELLOW DIAGONAL LINE) |
| 3 LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 7 LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 11 LINE 12" (WHITE SOLID LINE) |
| 4 LINE 4" (WHITE SOLID LINE) | 8 LINE 8" (WHITE SOLID LINE) | 12 LINE 12" (WHITE DIAGONAL LINE) |

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.

FILE NAME = D160P72-sh1-pvtrkng.dgn
 PLOT DATE = 5/14/2012
 PLOT SCALE = 50.0000 ' / IN.

CR & A
CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - E.J.M.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - G.F.L.	REVISED -
DATE - MAY 2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN TOUHY AVENUE OVER I-94	
SCALE:	SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 0304.1 HB-I-2	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 60P72				

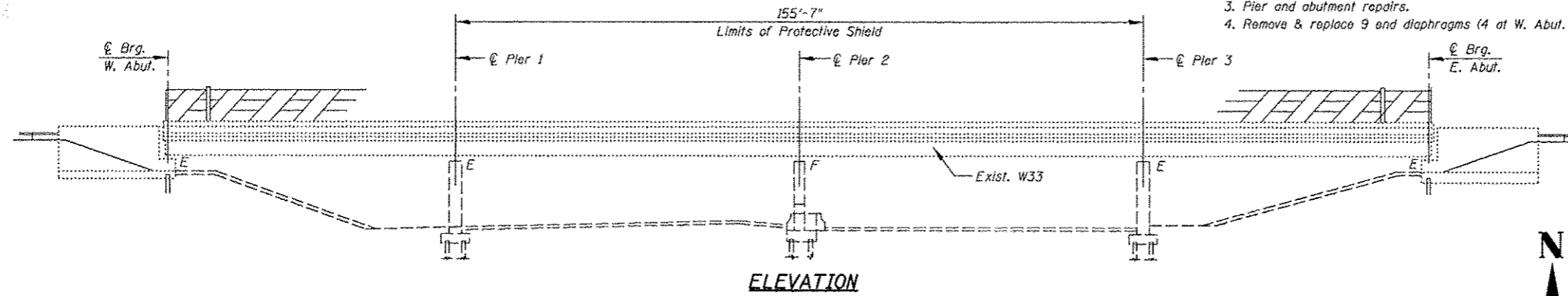
05 4 5 YAN

SCOPE OF WORK:

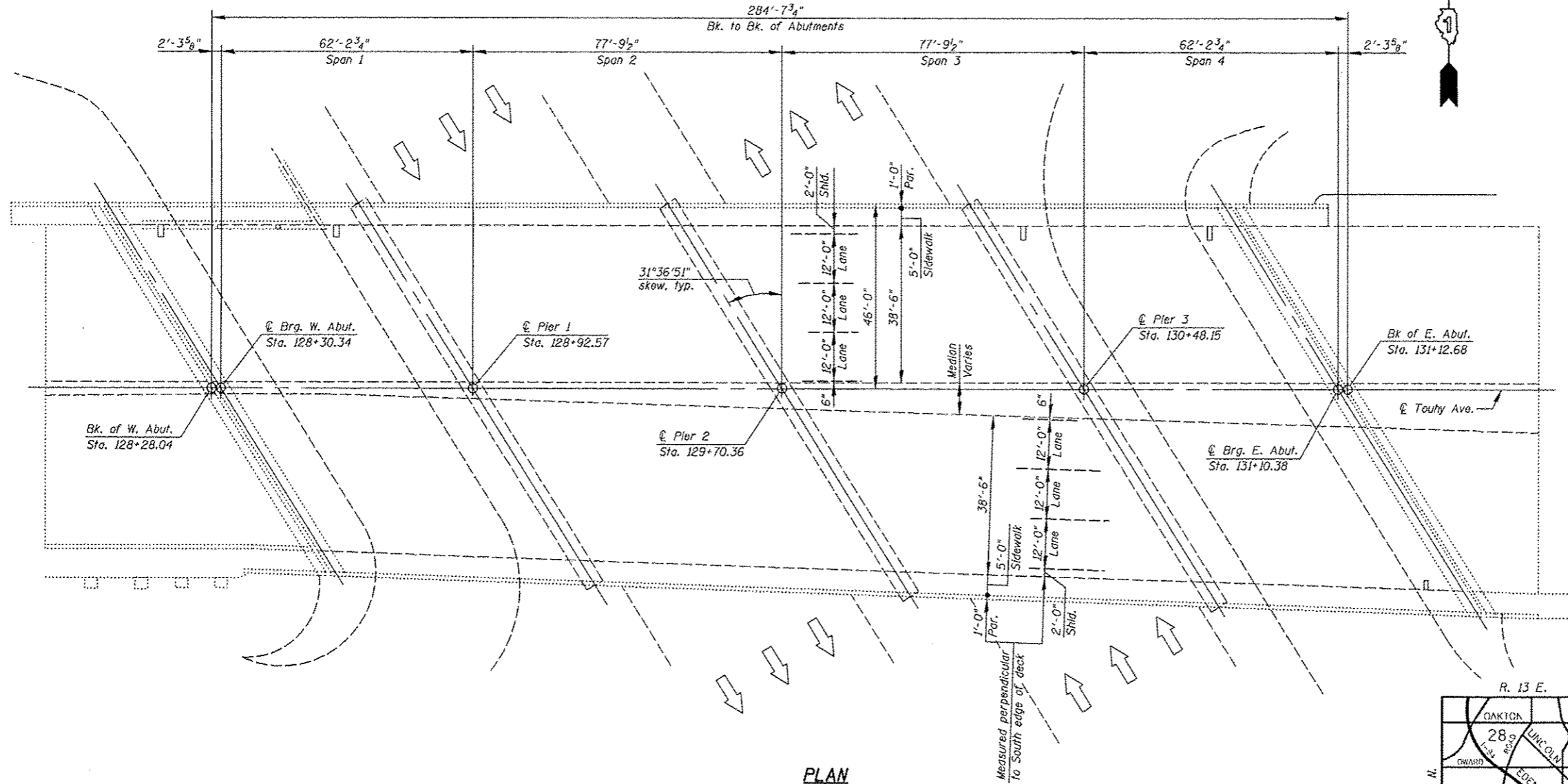
1. Expansion Joint removal & replacement at the West and East abutments.
2. Scarification, full & partial depth deck slab repairs and placement of Thin Polymer Overlay (entire deck).
3. Pier and abutment repairs.
4. Remove & replace g and diaphragms (4 at W. Abut. & 5 at E. Abut.)

INDEX OF SHEETS

- S1 GENERAL PLAN & ELEVATION
- S2 GENERAL NOTES & TOTAL BILL OF MATERIAL
- S3 DECK CROSS SECTION
- S4 DECK CROSS SECTIONS - STAGING
- S5 DECK PLAN REPAIRS
- S6 JOINT RECONSTRUCTION DETAILS AT WEST ABUTMENT-I
- S7 JOINT RECONSTRUCTION DETAILS AT WEST ABUTMENT-II
- S8 JOINT RECONSTRUCTION DETAILS AT WEST ABUTMENTS-III
- S9 JOINT RECONSTRUCTION DETAILS AT EAST ABUTMENT-I
- S10 JOINT RECONSTRUCTION DETAILS AT EAST ABUTMENT-II
- S11 JOINT RECONSTRUCTION DETAILS AT EAST ABUTMENT-III
- S12 FRAMING PLAN
- S13 STRUCTURAL STEEL REPAIRS-WEST ABUTMENT
- S14 STRUCTURAL STEEL REPAIRS-EAST ABUTMENT
- S15 WEST & EAST ABUTMENT REPAIRS
- S16 PIER 1 REPAIRS
- S17 PIER 2 REPAIRS
- S18 PIER 3 REPAIRS
- S19 BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
- S20 PREFORMED JOINT STRIP SEAL
- S21 TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION



ELEVATION

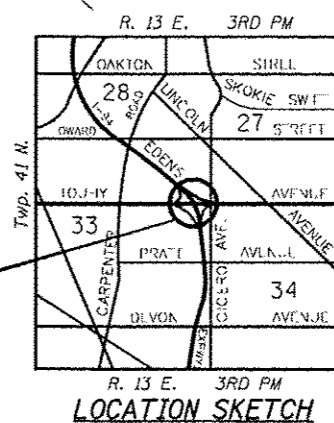


PLAN

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

STRUCTURE LOCATION



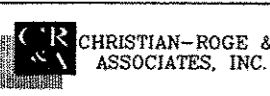
LOCATION SKETCH



Bhadresh N. Shah
 BHADRESH N. SHAH
 LICENSED STRUCTURAL ENGINEER
 STATE OF ILLINOIS LIC. No. 081-004476
 EXPIRES: 11-30-12

GENERAL PLAN & ELEVATION
TOUHY AVENUE OVER
I-94 (EDENS EXPRESSWAY)
SECTION 0304, 1 HB-I-2
COOK COUNTY
STATION 129+70.62
STRUCTURE NO. 016-0713

FILE NAME = I:\1822915_Touhy_Ave\Structure\1\CADD Sheets\160972-01-0PE.dgn



USER NAME = IDOT	DESIGNED - J.C.N./B.N.S.	REVISED -
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PLOT DATE = 5/14/2012	DRAWN - F.M.	REVISED -
	DATE - JANUARY 6, 2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S1 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-I-2	COOK	44	12
				CONTRACT NO. 60P72
ILLINOIS FED. AID PROJECT				

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	40.4
Protective Shield	Sq Yd	1767
Concrete Superstructure	Cu Yd	40.4
Furnishing And Erecting Structural Steel	Pound	2,100
Reinforcement Bars, Epoxy Coated	Pound	3,800
Bar Splacers	Each	48
Preformed Joint Strip Seal	Foot	233
Epoxy Crack Injection	Foot	87
Structural Steel Removal	Pound	2,100
Concrete Bridge Deck Scarification (³ / ₈ Inch)	Sq Yd	2,426
Bridge Deck Thin Polymer Overlay ³ / ₈ "	Sq Yd	2,426
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq Ft	325
Deck Slab Repair (Full Depth, Type I)	Sq Yd	2
Deck Slab Repair (Full Depth, Type II)	Sq Yd	2
Deck Slab Repair (Partial)	Sq Yd	104

GENERAL NOTES:

Plan dimensions and details relative to 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 materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

These plans have been prepared from notes received from I.D.O.T. Field Maintenance Engineers.

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.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on the As-Built plans.

Existing reinforcement bars extending into the removal areas shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved Bar Splicer or Anchorage System. Cost is included with Concrete Removal.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or 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.

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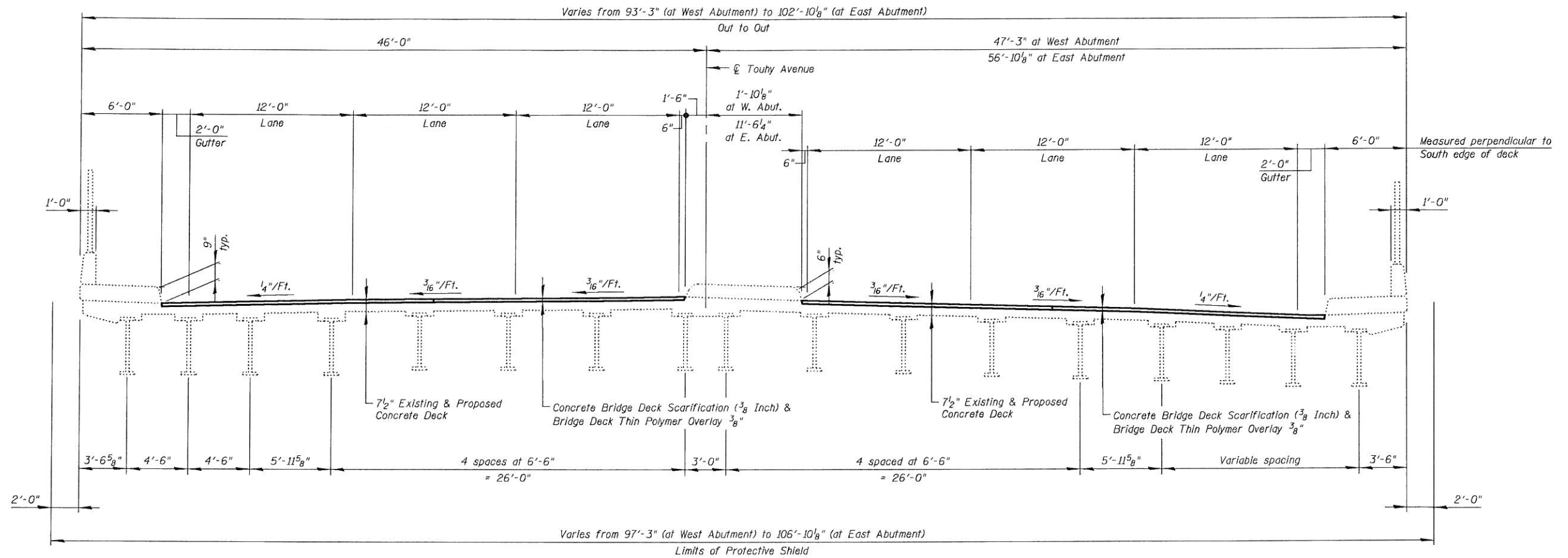
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PLOT DATE = 5/14/2012	DRAWN - F.M.	REVISED -
	DATE - JANUARY 6, 2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES & TOTAL BILL OF MATERIAL
STRUCTURE NO. 016-0713**

SHEET NO. S2 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	13
			CONTRACT NO. 60P72	
ILLINOIS FED. AID PROJECT				



DECK CROSS SECTION
(Looking East)

Note:
All dimensions are perpendicular to $\text{\textcircled{C}}$ Touhy Ave.
except as noted.

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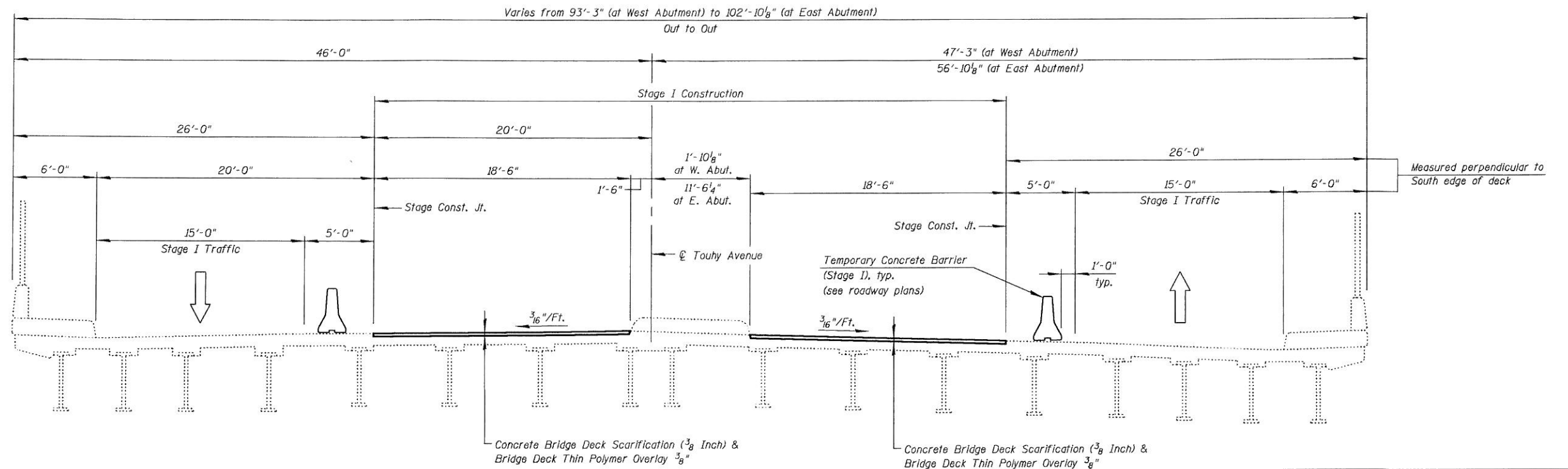
CHRISTIAN-ROGE & ASSOCIATES, INC.

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	DATE - JANUARY 6, 2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

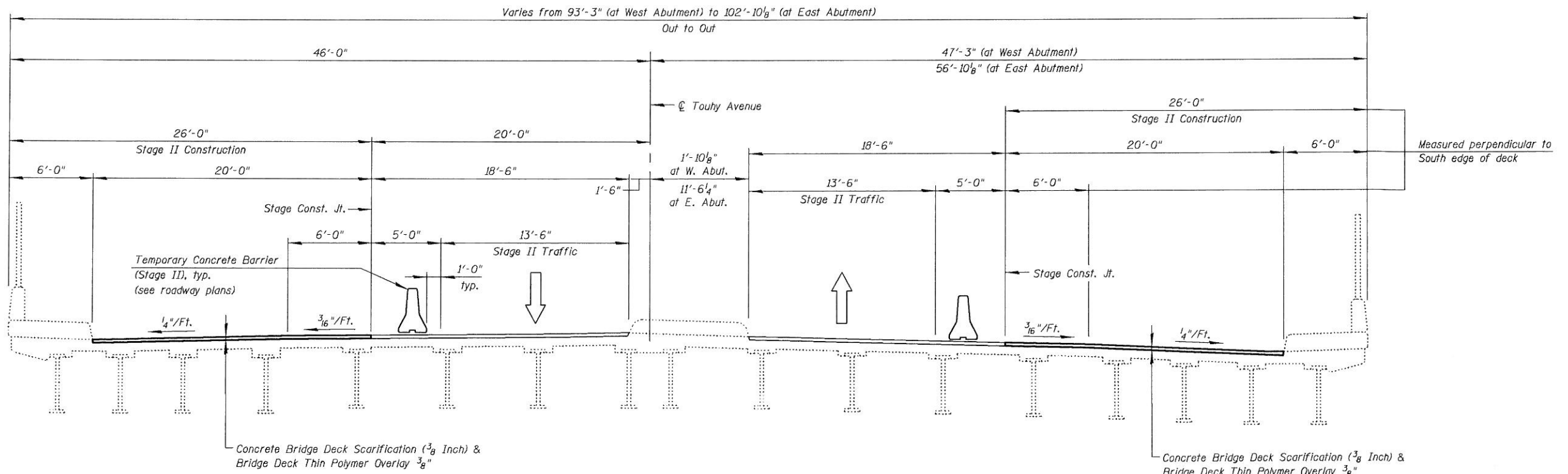
**DECK CROSS SECTION
STRUCTURE NO. 016-0713**
SHEET NO. S3 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	14
				CONTRACT NO. 60P72
[ILLINOIS] FED. AID PROJECT				



STAGE I CONSTRUCTION
(Looking East)

Note:
All dimensions are perpendicular to ℄ Touhy Ave.
except as noted.



STAGE II CONSTRUCTION
(Looking East)

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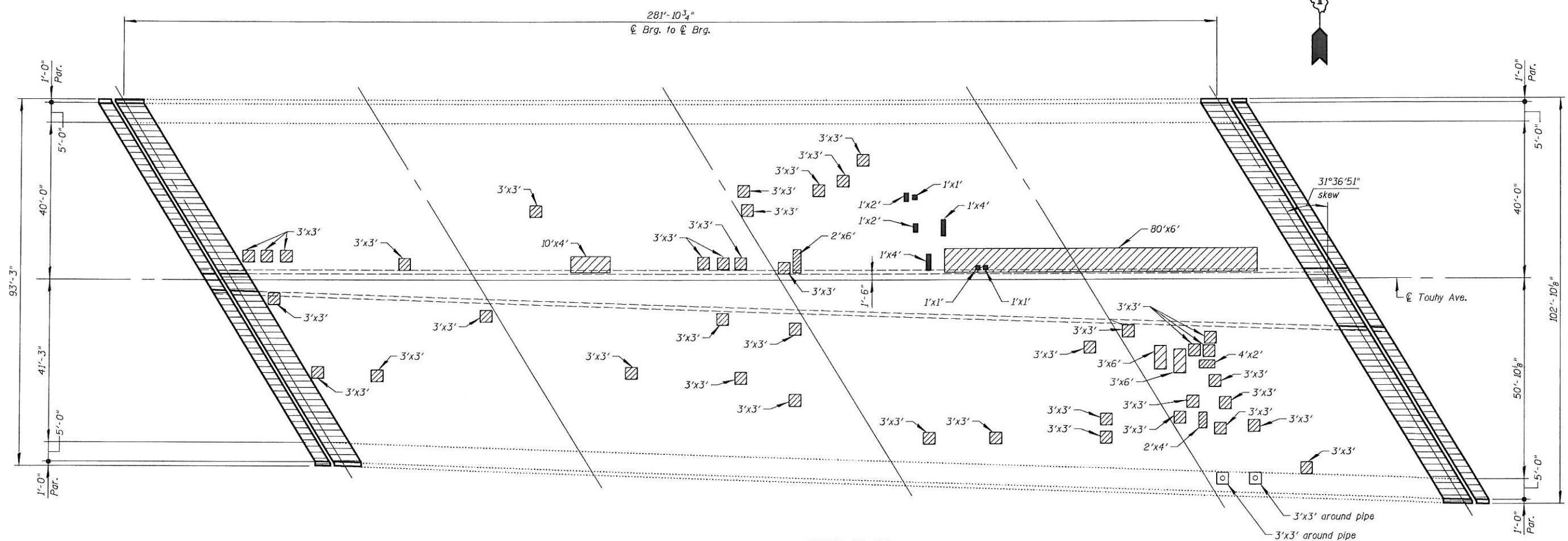
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PLOT DATE = 5/14/2012	DRAWN - F.M.	REVISED -
	DATE - JANUARY 6, 2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK CROSS SECTIONS - STAGING
STRUCTURE NO. 016-0713**

SHEET NO. S4 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-I-2	COOK	44	15
				CONTRACT NO. 60P72
ILLINOIS FED. AID PROJECT				



DECK PLAN

LEGEND:

- Deck Slab Repair (Partial)
- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- Expansion Joint Reconstruction

Notes:
 For Expansion Joint Reconstruction Details, see Sht's. S6 thru S11.
 Areas of Deck Repairs shown are estimated. The Engineer shall show actual locations of Deck Repairs on As-Built Plans.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	2
Deck Slab Repair (Full Depth, Type II)	Sq Yd	2
Deck Slab Repair (Partial)	Sq Yd	104

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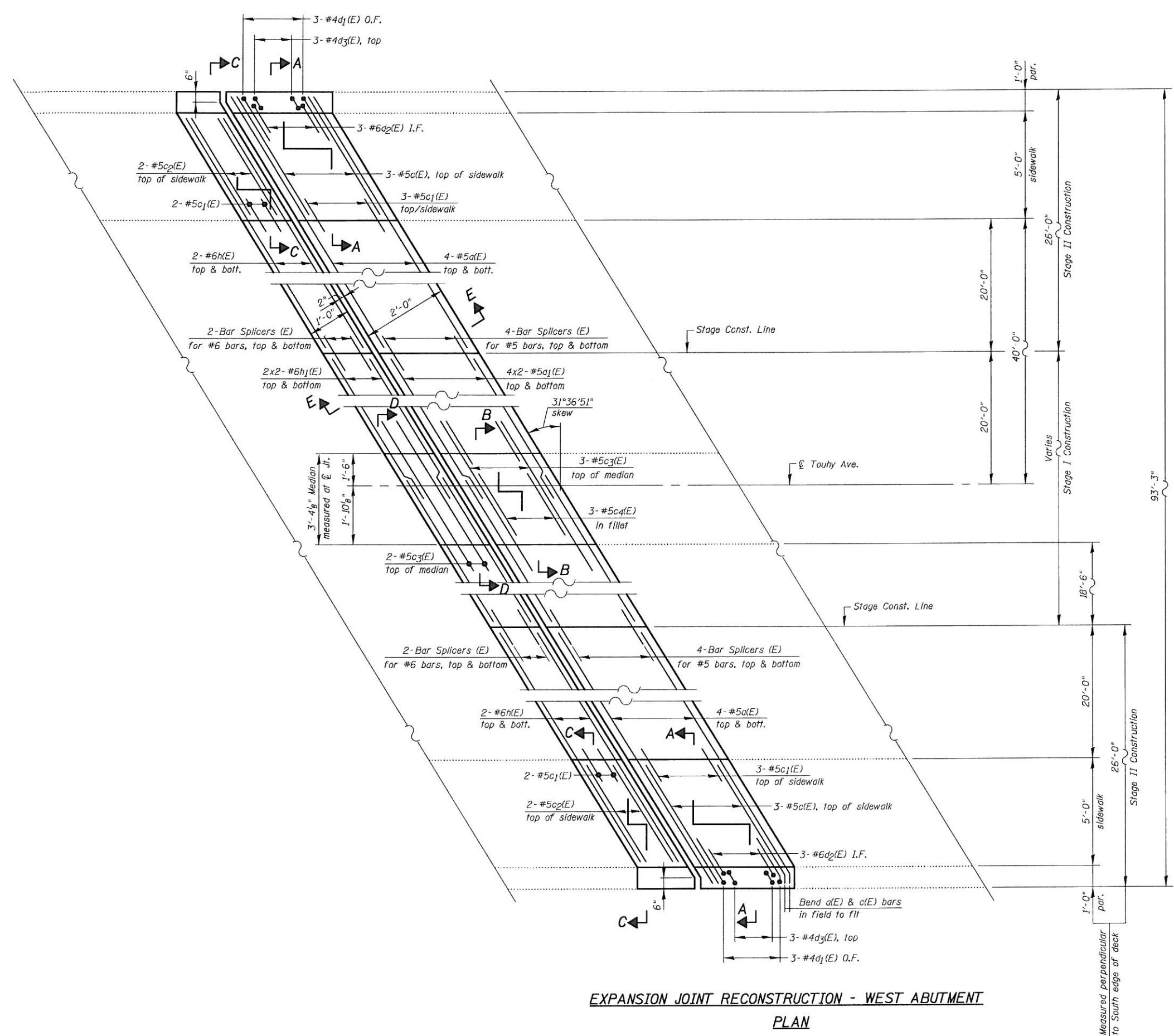
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK PLAN REPAIRS
 STRUCTURE NO. 016-0713**

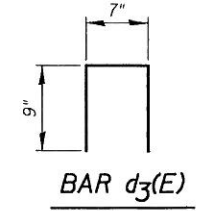
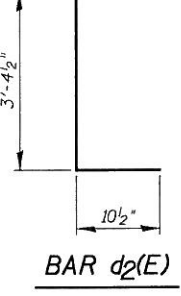
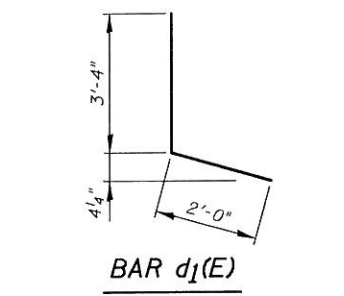
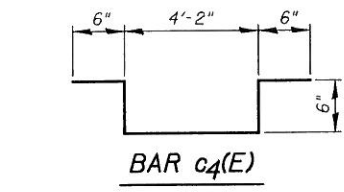
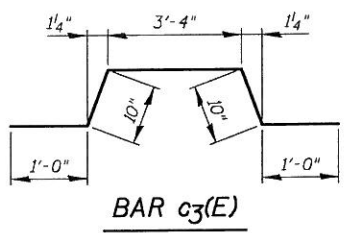
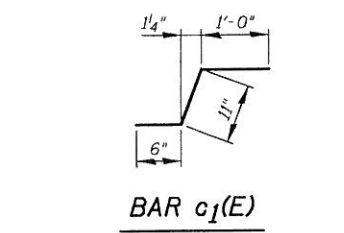
SHEET NO. S5 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	16
CONTRACT NO. 60P72			ILLINOIS FED. AID PROJECT	

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**EXPANSION JOINT RECONSTRUCTION - WEST ABUTMENT
PLAN**



BILL OF MATERIAL

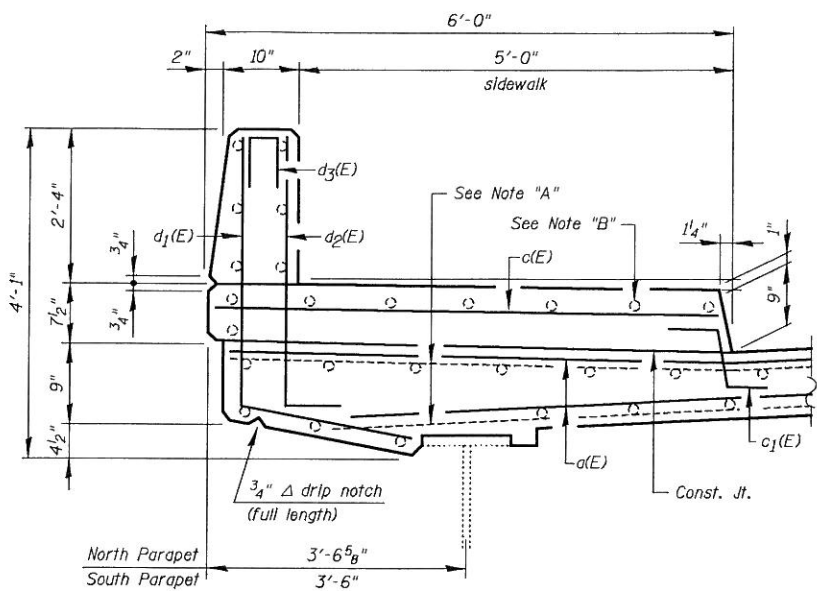
Bar	No.	Size	Length	Shape	
a(E)	16	#5	30'-1"	—	
a1(E)	16	#5	25'-2"	—	
c(E)	6	#5	6'-7"	—	
c1(E)	10	#5	2'-5"	┌	
c2(E)	4	#5	5'-4"	—	
c3(E)	5	#5	7'-0"	┌	
c4(E)	3	#5	6'-2"	┌	
d1(E)	6	#4	5'-4"	L	
d2(E)	6	#6	4'-3"	L	
d3(E)	6	#4	2'-1"	□	
h(E)	8	#6	29'-0"	—	
h1(E)	8	#6	25'-4"	—	
Reinforcement Bars, Epoxy Coated				Pound	1,790
Concrete Removal				Cu Yd	18.4
Concrete Superstructure				Cu Yd	18.4
Bar Splicers				Each	24

Note:
Eastbound lanes are slightly skewed, however, because of the exaggeration of the horizontal and the vertical scales, this plan shows the lanes straight for clarity. See General Plan & Elevation, Sht. S1.

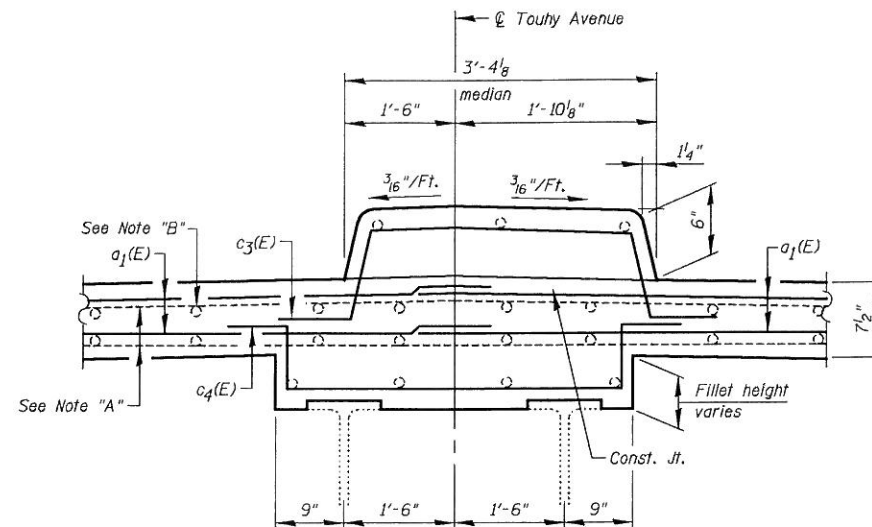
LEGEND:
O.F. = Outside Face
I.F. = Inside Face

MIN. BAR LAP:
#5 bars = 2'-2"
#6 bars = 2'-7"

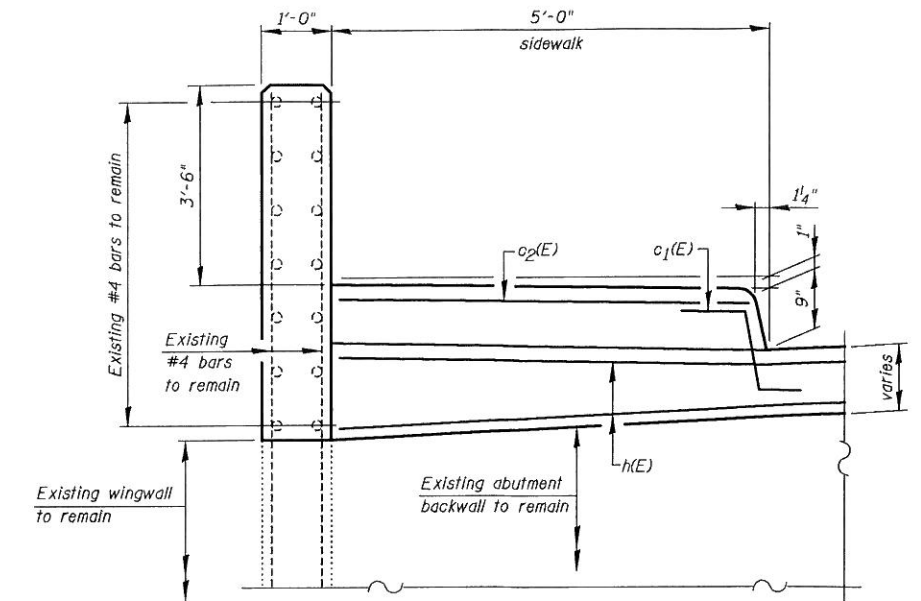
NOTES:
See Sht. S7 for Sections A-A, B-B, C-C & D-D.
See Sht. S8 for Section E-E.



SECTION A-A
(showing North sidewalk & parapet)
(South sidewalk similar)



SECTION B-B
(thru median)



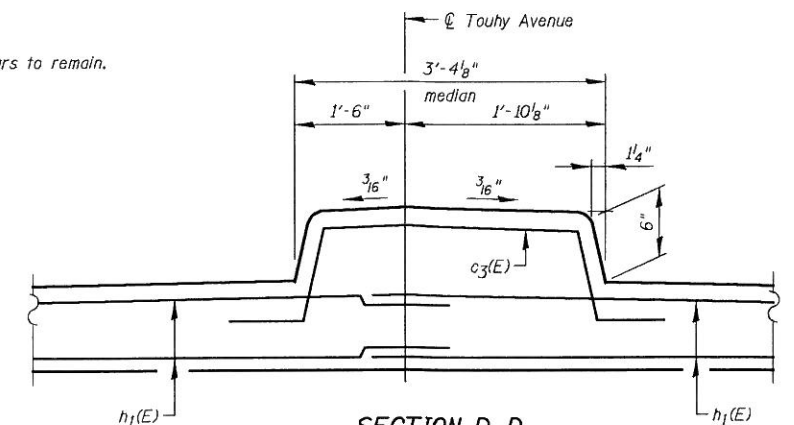
SECTION C-C
North Sidewalk-shown
South Sidewalk-similar

NOTE "A":

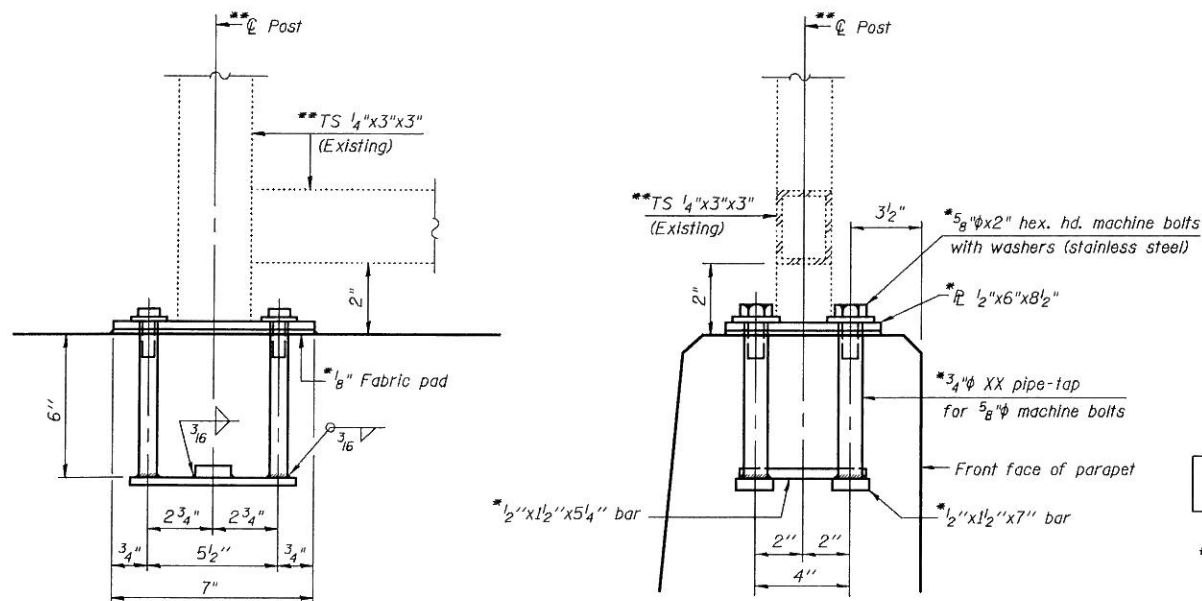
Existing transverse reinforcement bars that extend out of the removal area shall remain. These reinf. bars are perpendicular to \perp Touhy Avenue, not parallel to the skew.

NOTE "B":

Existing longitudinal reinforcement bars to remain.



SECTION D-D



ELEVATION

SECTION

RAIL POST REMOVAL & REPLACEMENT DETAILS ON PARAPETS

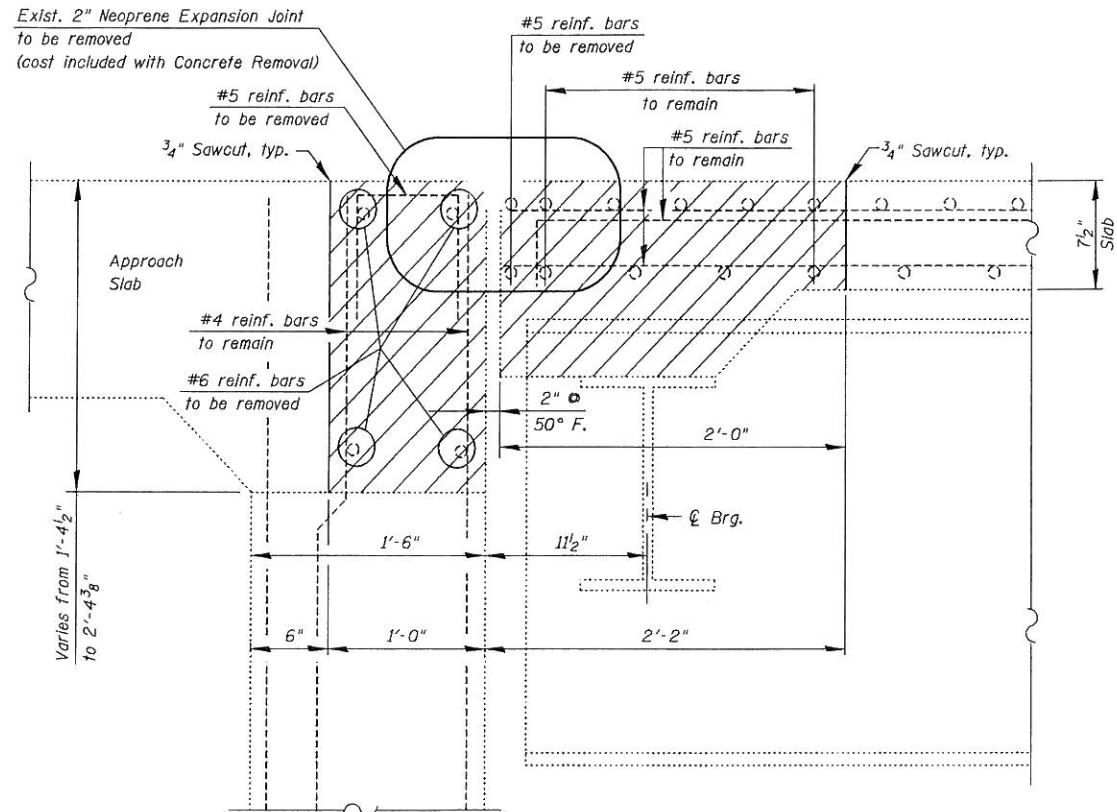
* Cost included with Concrete Superstructure

** Remove and store rails in the concrete removal area prior to concrete removal. Remove and store rail post in the concrete removal area. Reattach rail post as shown in Detail "A" and View "D-D", the Contractor must verify locations & sizes of existing holes prior to ordering 3/4" XX pipes, bars, cap screws & standard flat washers. Reinstall rails after concrete superstructure is completed. Cost included with Concrete Superstructure. In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications. Cost included with Concrete Superstructure.

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	DATE - JANUARY 6, 2012	REVISED -

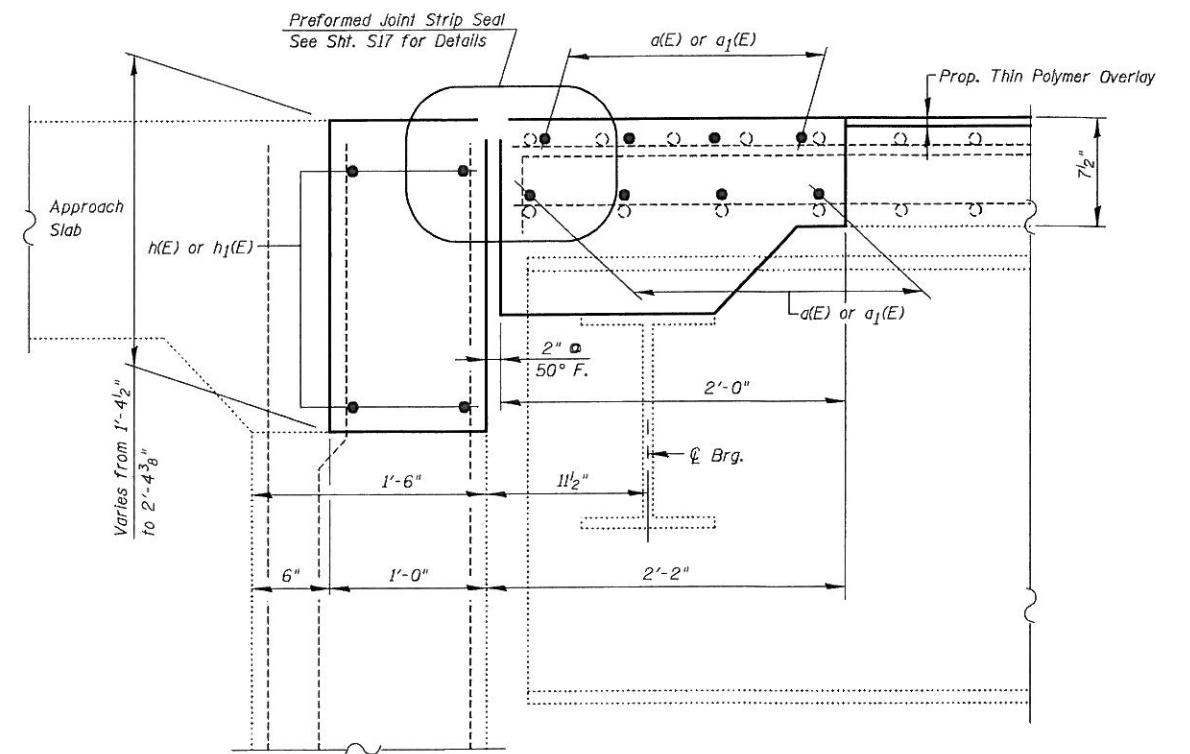
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94	0304, 1 HB-1-2	COOK	44	18
CONTRACT NO. 60P72				
ILLINOIS FED. AID PROJECT				



EXISTING
SECTION E-E

LEGEND:

Concrete Removal



PROPOSED
SECTION E-E

WEST ABUTMENT

Note:
For Bar Splicer Assembly Details, See Sht. S16

FILE NAME = I:\102915_Touhy-Ave\Structural\CADD Sheets\102915-08-1-1-recon_west_abut-III.dgn



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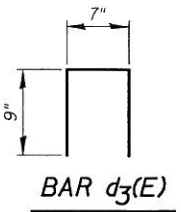
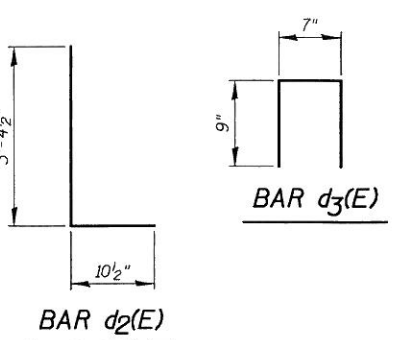
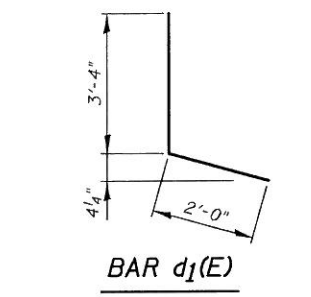
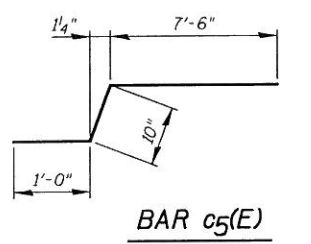
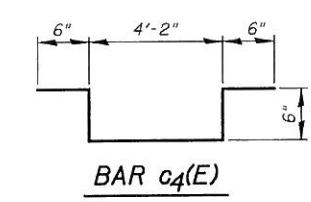
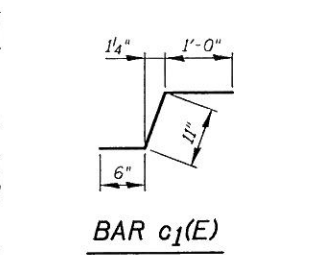
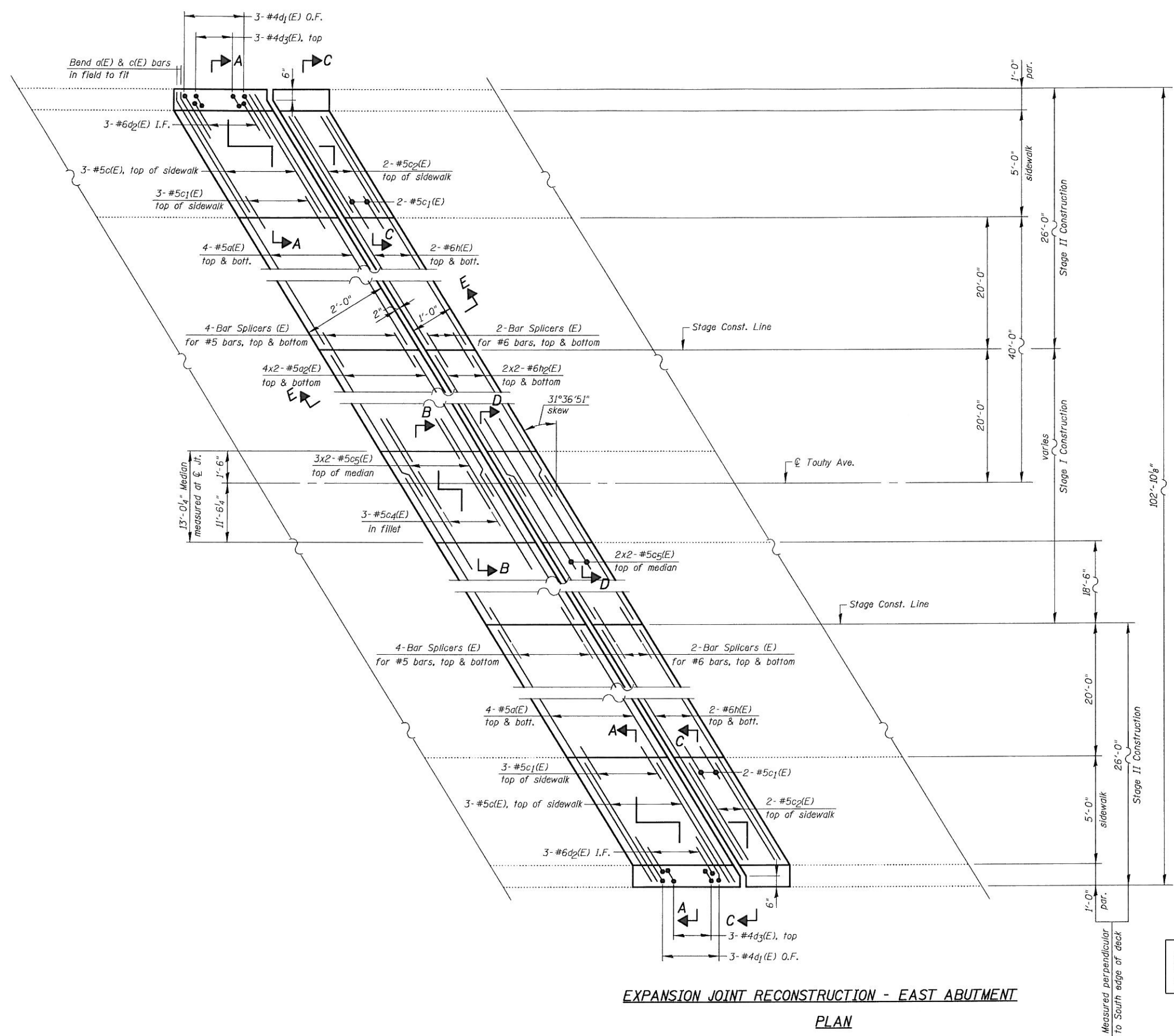
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT RECONSTRUCTION DETAILS AT WEST ABUTMENT-III
STRUCTURE NO. 016-0713

SHEET NO. SB OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	19
				CONTRACT NO. 60PT2
ILLINOIS FED. AID PROJECT				

FILE NAME = I:\102915_Touhy Ave Structural\CADD Sheets\102915_Touhy Ave Struct-est_abut-1.dgn



BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
a1(E)	16	#5	30'-1"	—
a2(E)	16	#5	30'-9"	—
c1(E)	6	#5	6'-7"	—
c1(E)	10	#5	2'-5"	┘
c2(E)	4	#5	5'-4"	—
c4(E)	3	#5	6'-2"	┘
c5(E)	10	#5	9'-4"	┘
d1(E)	6	#4	5'-4"	┘
d2(E)	6	#6	4'-3"	┘
d3(E)	6	#4	2'-1"	┘
h(E)	8	#6	29'-0"	—
h2(E)	8	#6	31'-0"	—
Reinforcement Bars, Epoxy Coated		Pound	2,010	
Concrete Removal		Cu Yd	22.0	
Concrete Superstructure		Cu Yd	22.0	
Bar Splicers		Each	24	

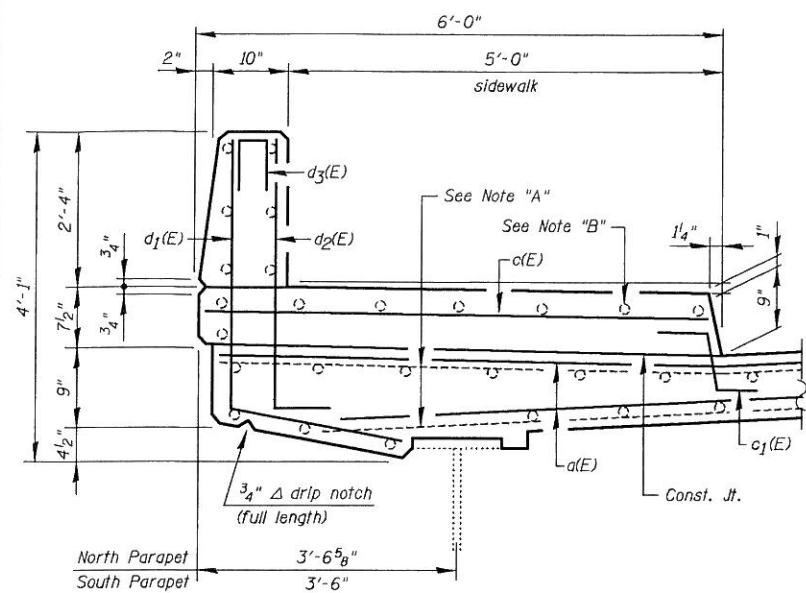
Note:
Eastbound lanes are slightly skewed, however, because of the exaggeration of the horizontal and the vertical scales, this plan shows the lanes straight for clarity. See General Plan & Elevation, Sht. S1.

LEGEND:
O.F. = Outside Face
I.F. = Inside Face

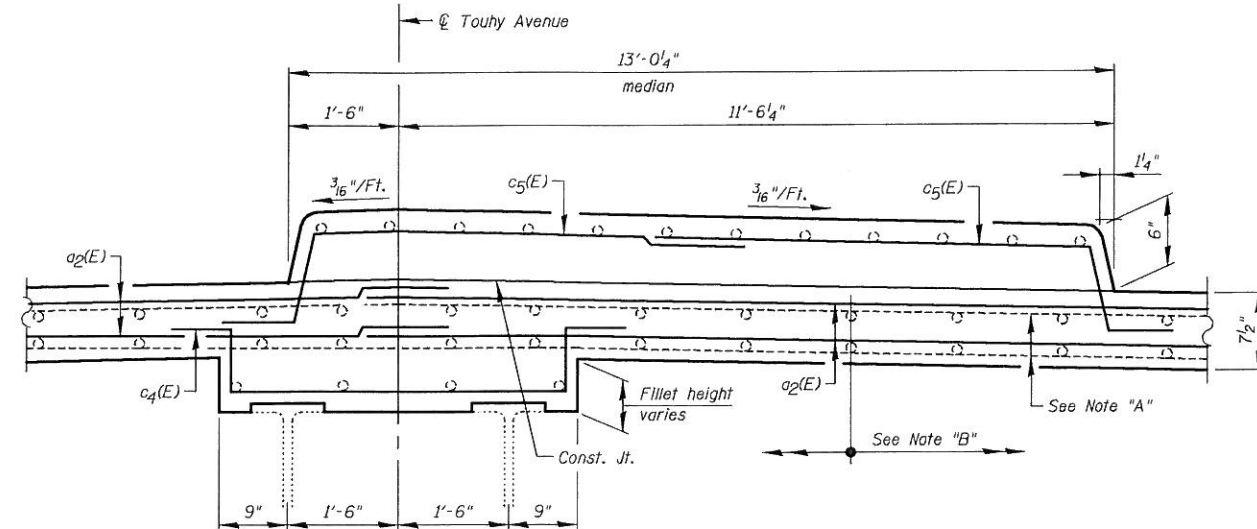
MIN. BAR LAP:
#5 bars = 2'-2"
#6 bars = 2'-7"

NOTES:
See Sht. S10 for Sections A-A, B-B, C-C & D-D.
See Sht. S11 for Section E-E.

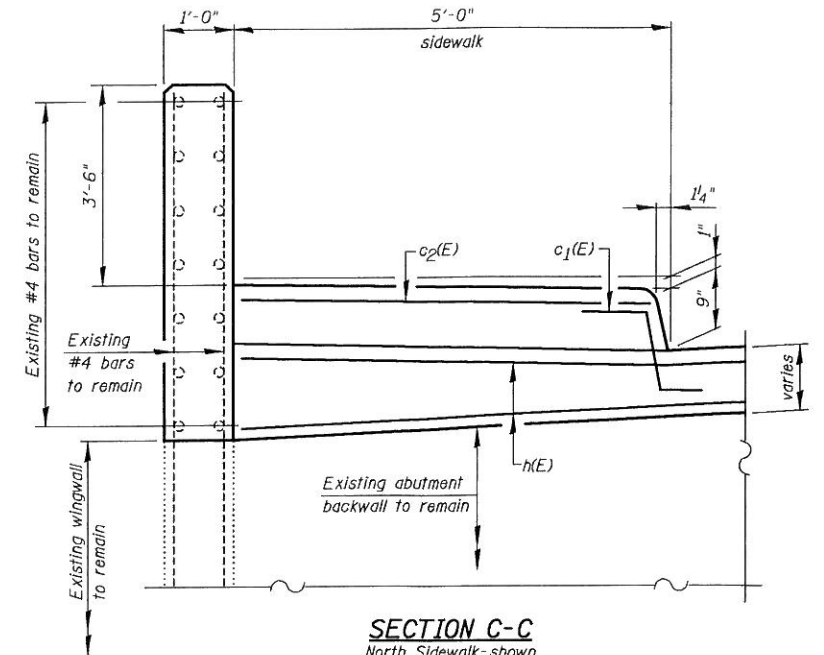
EXPANSION JOINT RECONSTRUCTION - EAST ABUTMENT
PLAN



SECTION A-A
(showing North sidewalk & parapet)
(South sidewalk similar)



SECTION B-B
(thru median)



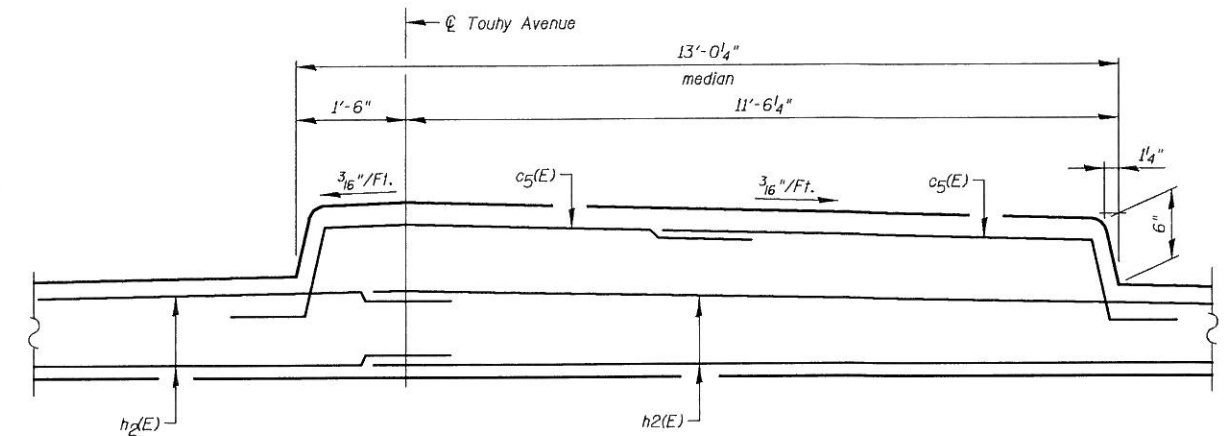
SECTION C-C
North Sidewalk-shown
South Sidewalk-similar

NOTE "A":

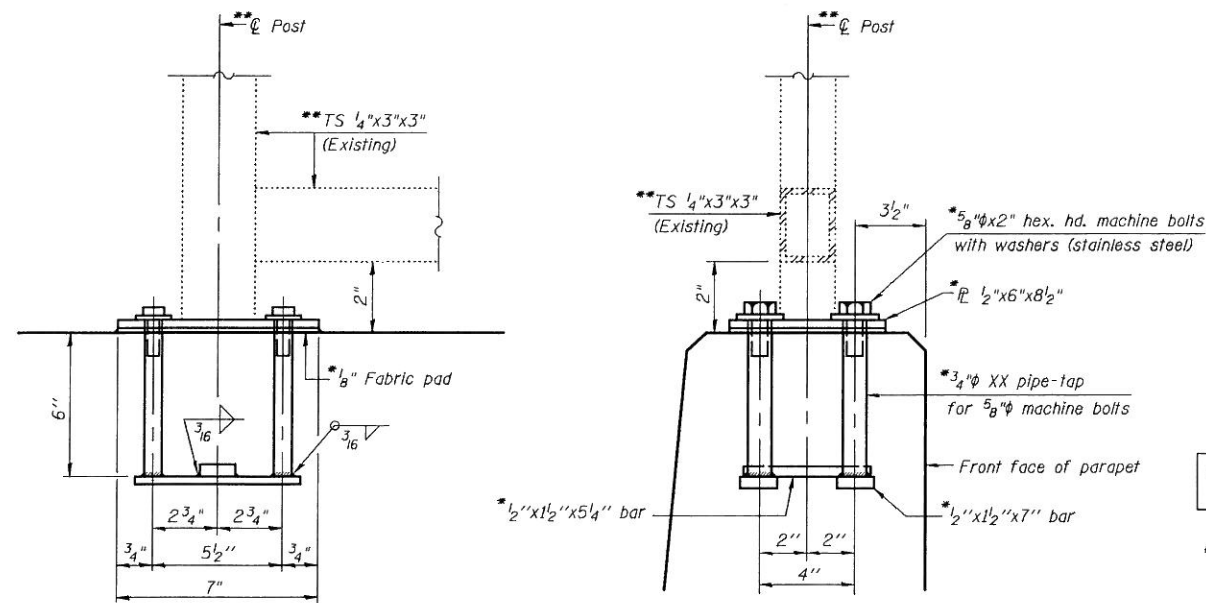
Existing transverse reinforcement bars that extend out of the removal area shall remain. These reinf. bars are perpendicular to $\bar{\bar{C}}$ Touhy Avenue, not parallel to the skew.

NOTE "B":

Existing longitudinal reinforcement bars to remain.



SECTION D-D

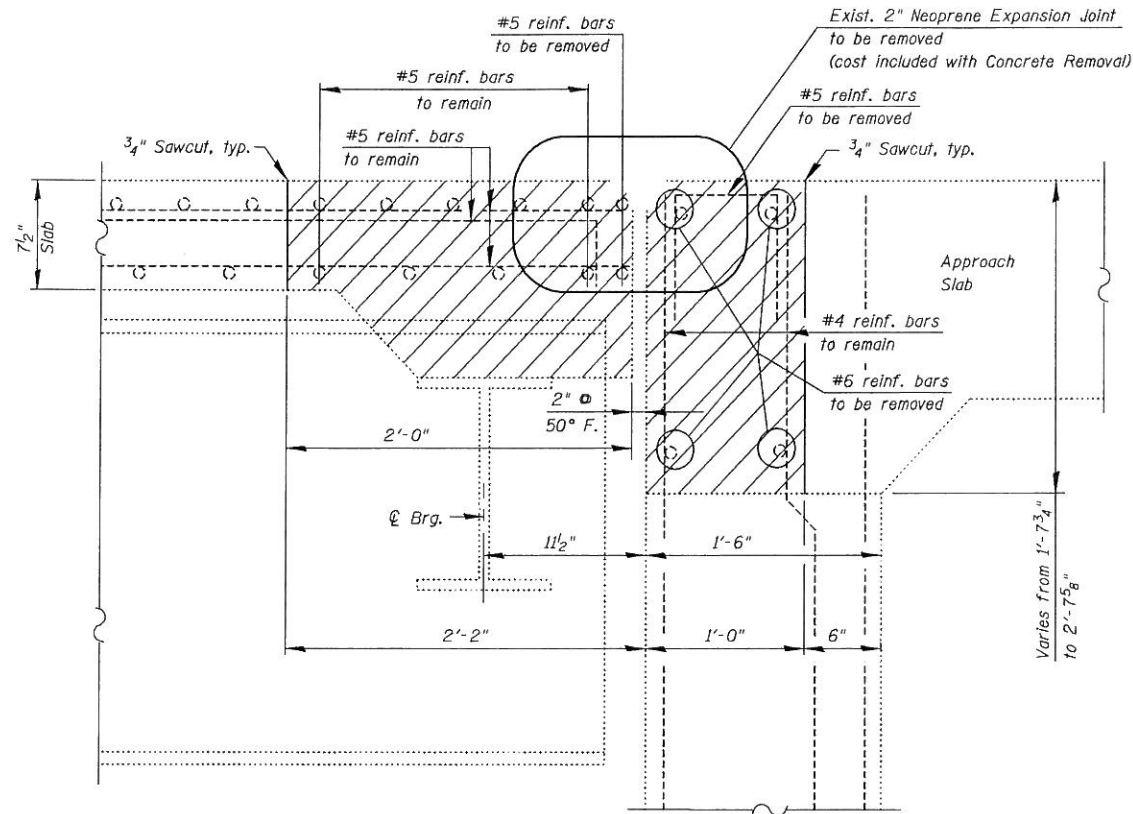


ELEVATION
SECTION
RAIL POST REMOVAL & REPLACEMENT DETAILS ON PARAPETS

* Cost included with Concrete Superstructure

** Remove and store rails in the concrete removal area prior to concrete removal. Remove and store rail post in the concrete removal area. Reattach rail post as shown in Detail "A" and View "D-D", the Contractor must verify locations & sizes of existing holes prior to ordering 3/4" XX pipes, bars, cap screws & standard flat washers. Reinstall rails after concrete superstructure is completed. Cost included with Concrete Superstructure. In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications. Cost included with Concrete Superstructure.

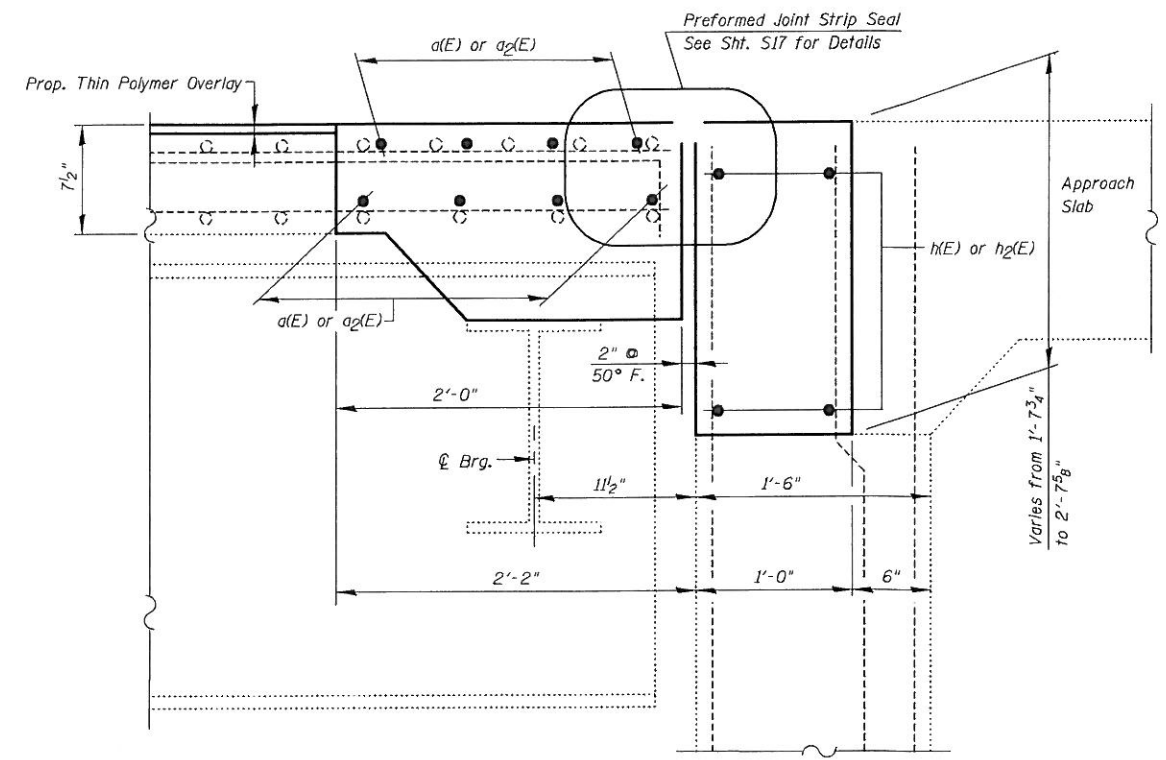
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EXISTING
SECTION E-E

LEGEND:

Concrete Removal



PROPOSED
SECTION E-E

EAST ABUTMENT

Note:
For Bar Splicer Assembly Details, See Sht. S16

FILE NAME = I:\102915_Touhy-Ave\Structural\CADD Sheets\16072-11-11-recon-east-abut-III.dgn



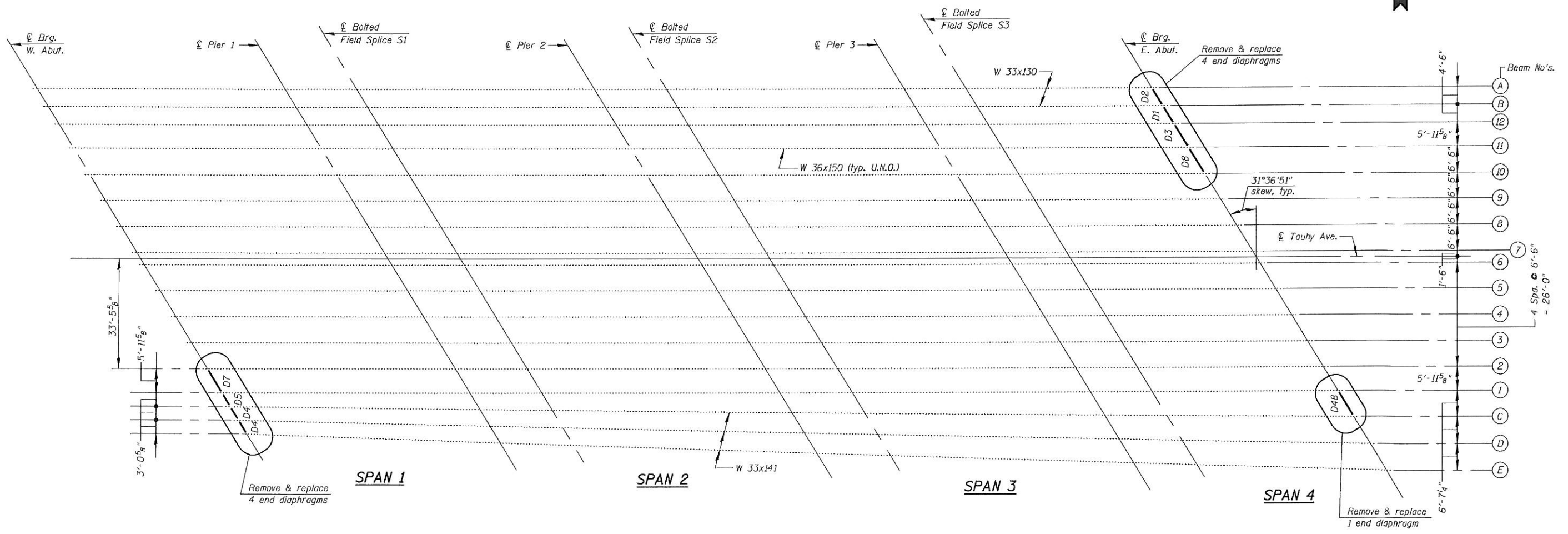
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PLOT SCALE = 49.999968' / IN.	CHECKED - B.N.S./J.C.N.	REVISED -
PLOT DATE = 5/14/2012	DRAWN - F.M.	REVISED -
	DATE - JANUARY 6, 2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT RECONSTRUCTION DETAILS AT EAST ABUTMENT-III
STRUCTURE NO. 016-0713

SHEET NO. S11 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	22
CONTRACT NO. 60P72				
ILLINOIS FED. AID PROJECT				



Notes:
 Existing diaphragms to remain and existing splices are not shown on this plan.
 For diaphragm removal & replacement details, see Shts. S13 & S14.

LEGEND:

U.N.O. = UNLESS NOTED OTHERWISE

FILE NAME = I:\02915-Touhy_Ave\Structural\CADD Sheets\DI60P72-12-Framing.pln.dgn



USER NAME = IDOT	DESIGNED - J.C.N./B.N.S.	REVISED -
CHECKED - B.N.S./J.C.N.	REVISED -	
DRAWN - F.M.	REVISED -	
DATE - JANUARY 6, 2012	REVISED -	

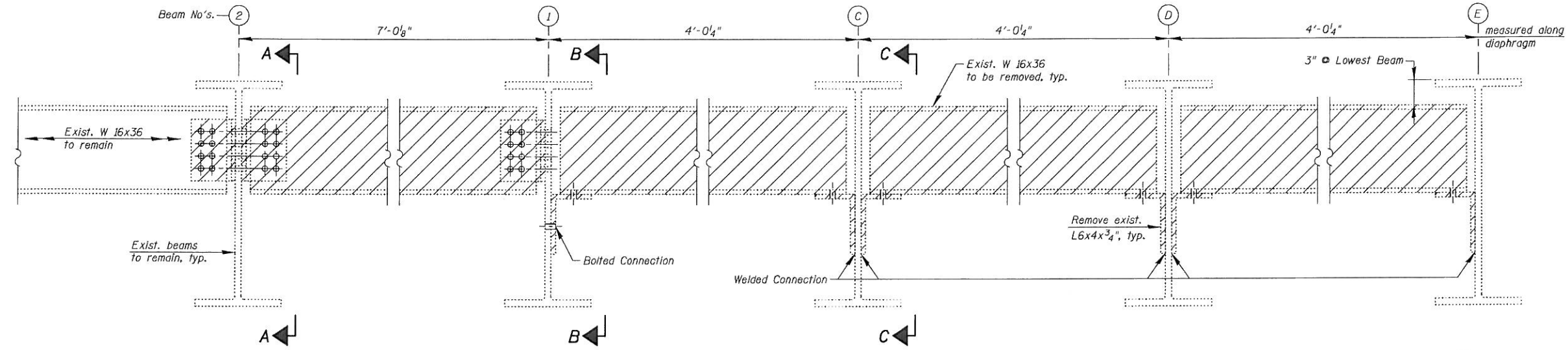
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
 STRUCTURE NO. 016-0713

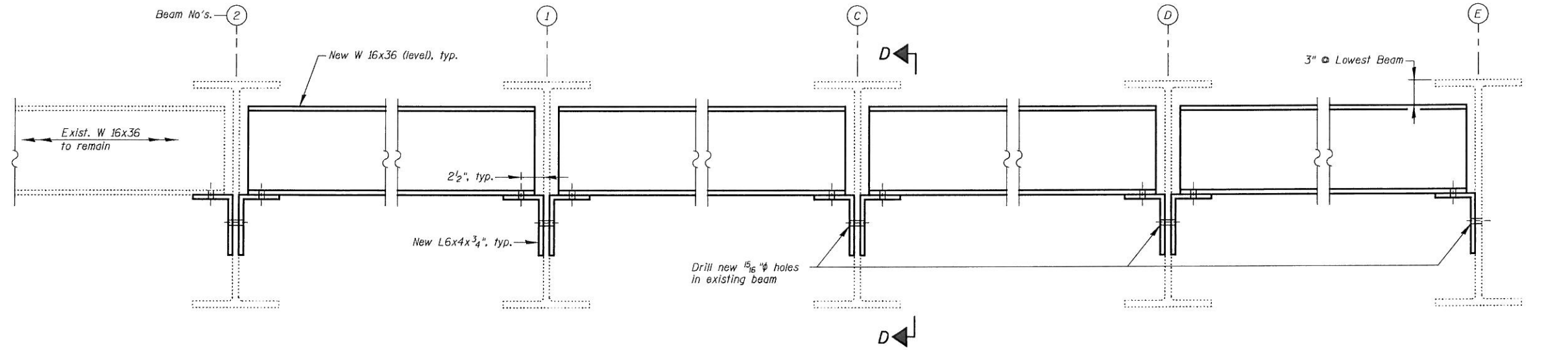
SHEET NO. S12 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	23
CONTRACT NO. 60P72				
ILLINOIS FED. AID PROJECT				

FILE NAME = I:\02915_Touhy_Ave\Structural\CADD Sheets\DI60P72-13-repair_w-abut.dgn

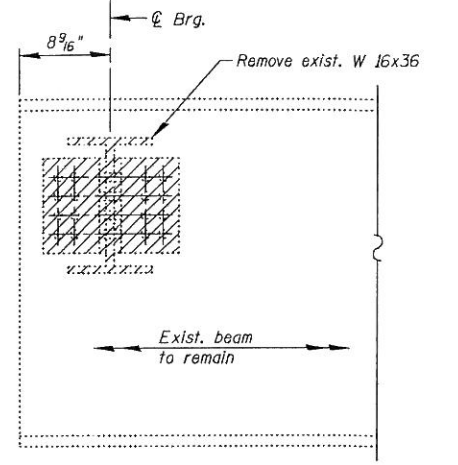


**EXISTING END DIAPHRAGMS AT WEST ABUTMENT
(Looking East)**

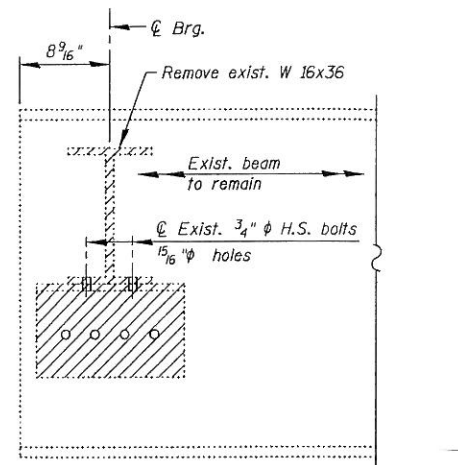


**PROPOSED END DIAPHRAGMS AT WEST ABUTMENT
(Looking East)**

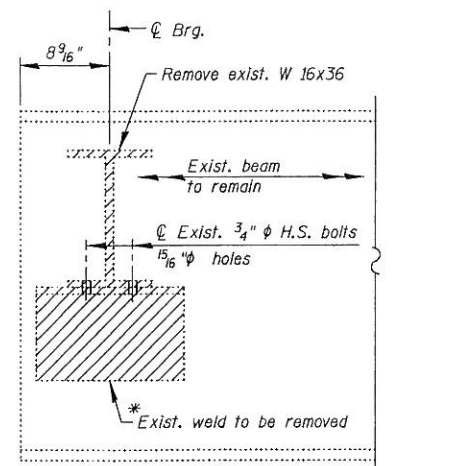
LEGEND:
 Structural Steel Removal



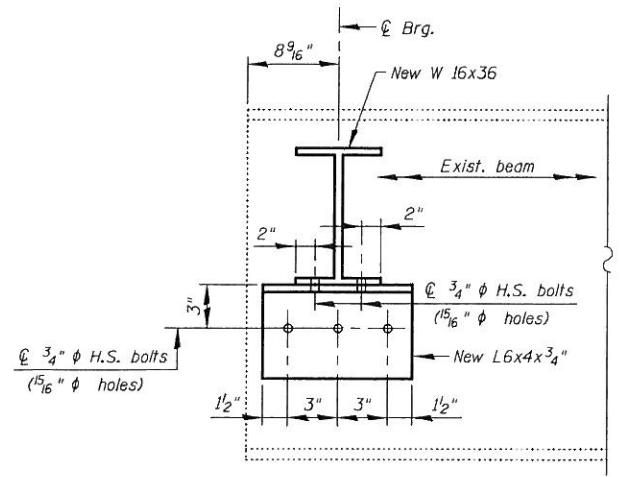
SECTION A-A



SECTION B-B



SECTION C-C



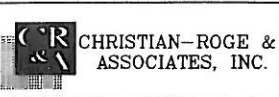
SECTION D-D

Note:
Two hardened washers required for all 1 5/16" Ø holes for diaphragm connections.

BILL OF MATERIAL
(for both abutments)

ITEM	UNIT	QUANTITY
Structural Steel Removal	Pound	2,100
Furnishing and Erecting Structural Steel	Pound	2,100

*Weld to be removed using the air-arc method. The Contractor must ensure that no damage is done to the girder web during removal. Cost included with Structural Steel Removal



USER NAME = IDOT
 PLOT SCALE = 50.0000' / IN.
 PLOT DATE = 5/14/2012

DESIGNED - J.C.N./B.N.S.
 CHECKED - B.N.S./J.C.N.
 DRAWN - F.M.
 DATE - JANUARY 6, 2012

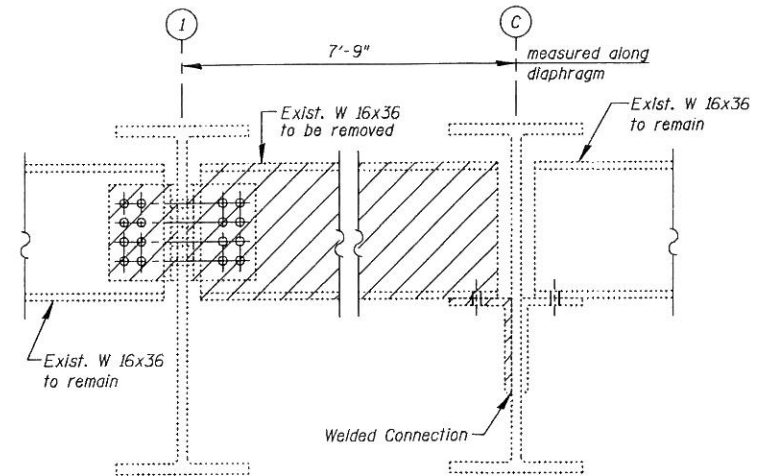
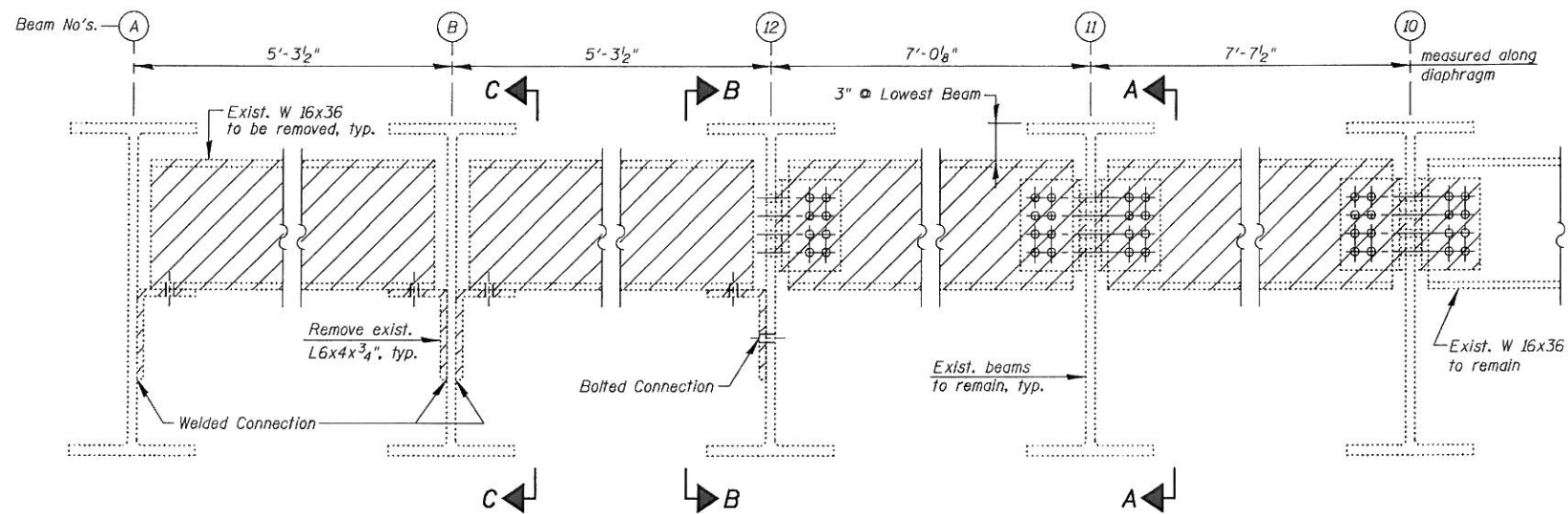
REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL REPAIRS—WEST ABUTMENT
STRUCTURE NO. 016-0713**

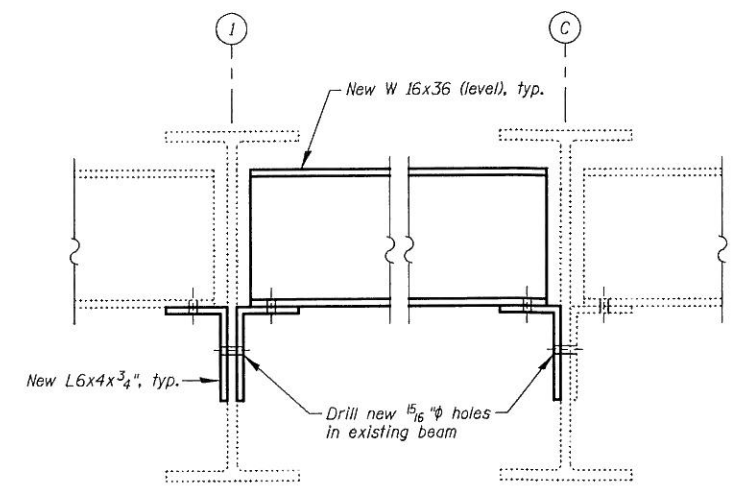
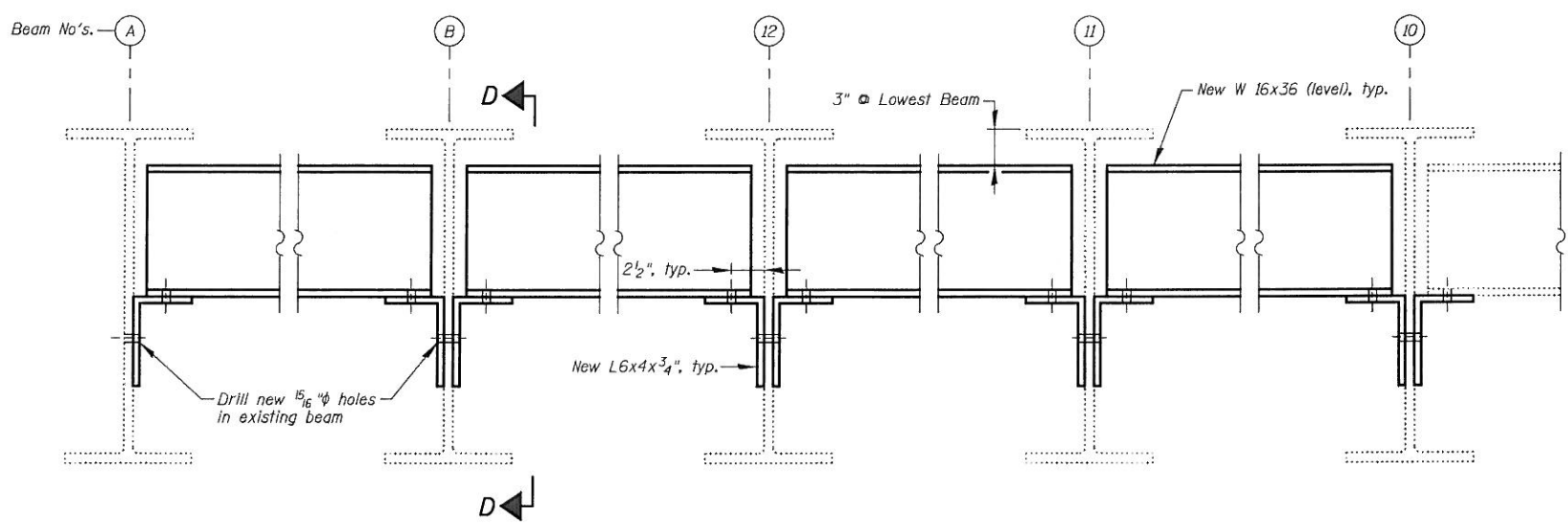
SHEET NO. S13 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	24
CONTRACT NO. 60P72				
ILLINOIS FED. AID PROJECT				



EXISTING END DIAPHRAGMS AT EAST ABUTMENT
(Looking East)

LEGEND:
 Structural Steel Removal



PROPOSED END DIAPHRAGMS AT EAST ABUTMENT
(Looking East)

Note:
Two hardened washers required for all 1 5/16" holes for diaphragm connections.

NOTE:
SEE SHEET S13 FOR SECTIONS A-A, B-B, C-C & D-D AND BILL OF MATERIAL

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CHRISTIAN-ROGE & ASSOCIATES, INC.

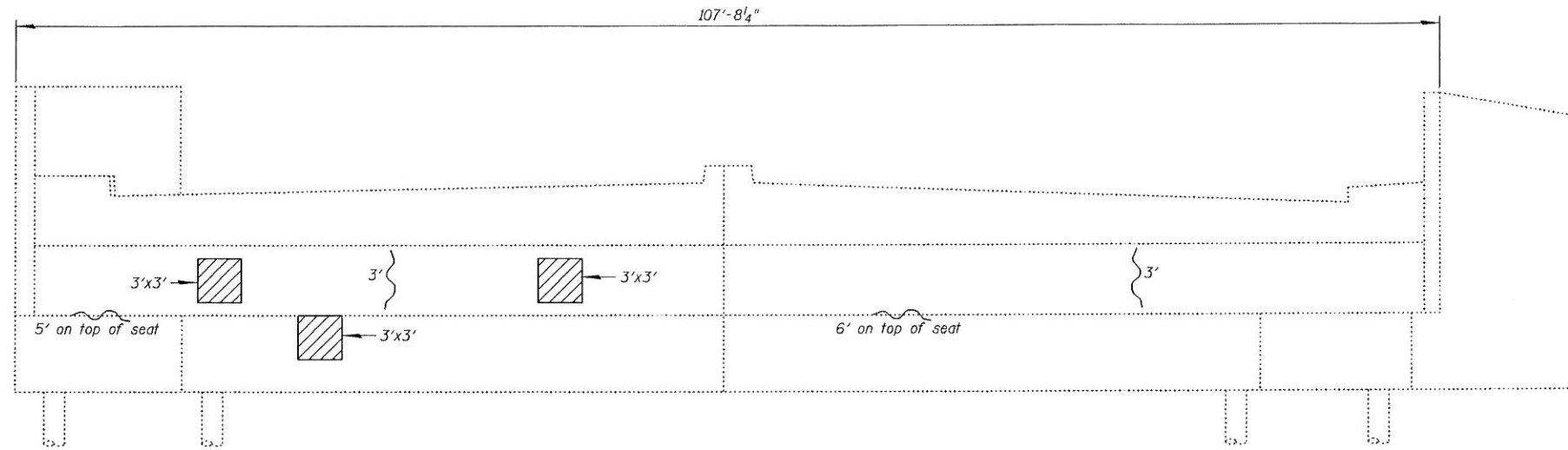
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PLOT DATE = 5/14/2012	DRAWN - F.M.	REVISED -
	DATE - JANUARY 6, 2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

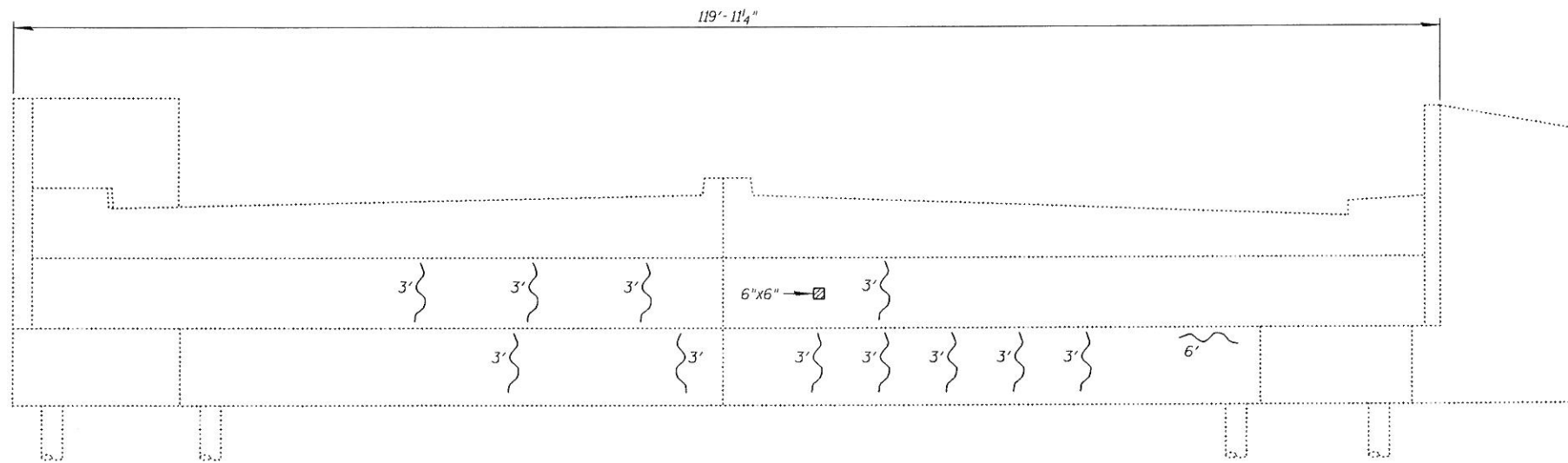
STRUCTURAL STEEL REPAIRS—EAST ABUTMENT
STRUCTURE NO. 016-0713

SHEET NO. S14 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	25
				CONTRACT NO. 60P72
ILLINOIS FED. AID PROJECT				



WEST ABUTMENT



EAST ABUTMENT

LEGEND:

Structural Repair of Concrete
(Depth Equal To or Less Than 5 Inches)

Cracks (perform Epoxy Crack Injection)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	28
Epoxy Crack Injection	Foot	56

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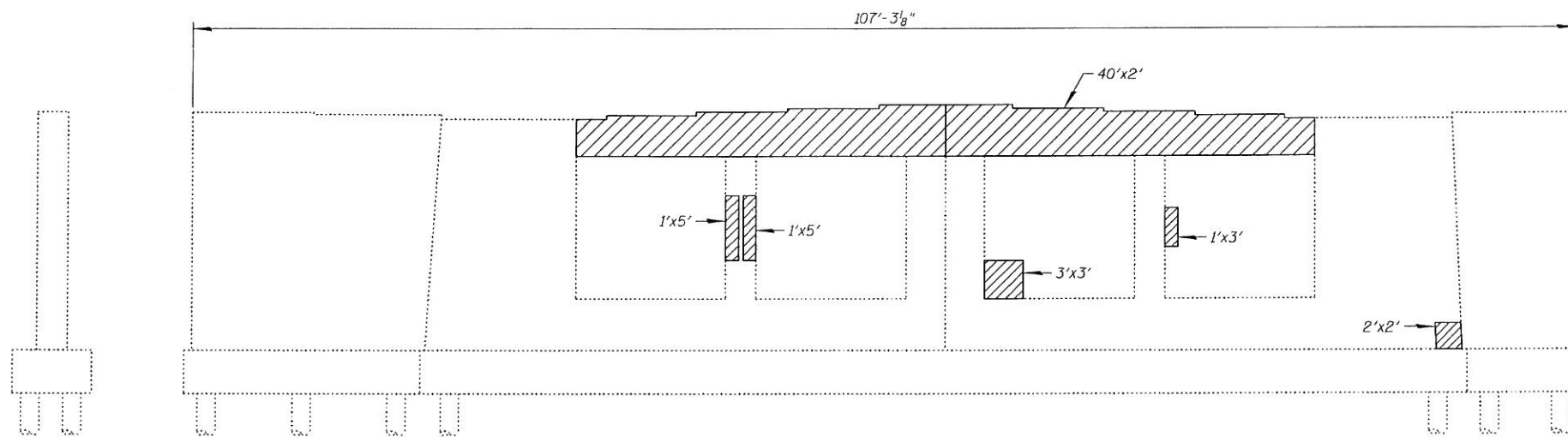
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PLOT DATE = 5/14/2012	DRAWN - F.M.	REVISED -
	DATE - JANUARY 6, 2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WEST & EAST ABUTMENT REPAIRS
STRUCTURE NO. 016-0713**

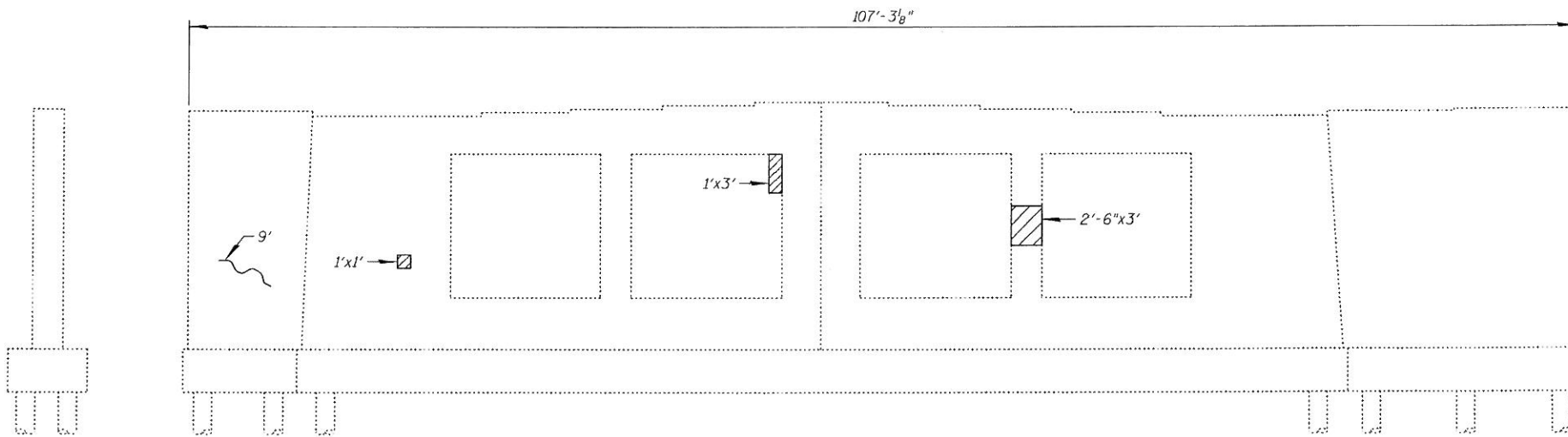
SHEET NO. S15 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	26
				CONTRACT NO. 60P72
ILLINOIS FED. AID PROJECT				



PIER 1
(Looking West)

LEGEND:
 Structural Repair of Concrete
 (Depth Equal To or Less Than 5 Inches)
 Cracks (perform Epoxy Crack Injection)



PIER 1
(Looking East)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	118
Epoxy Crack Injection	Foot	9

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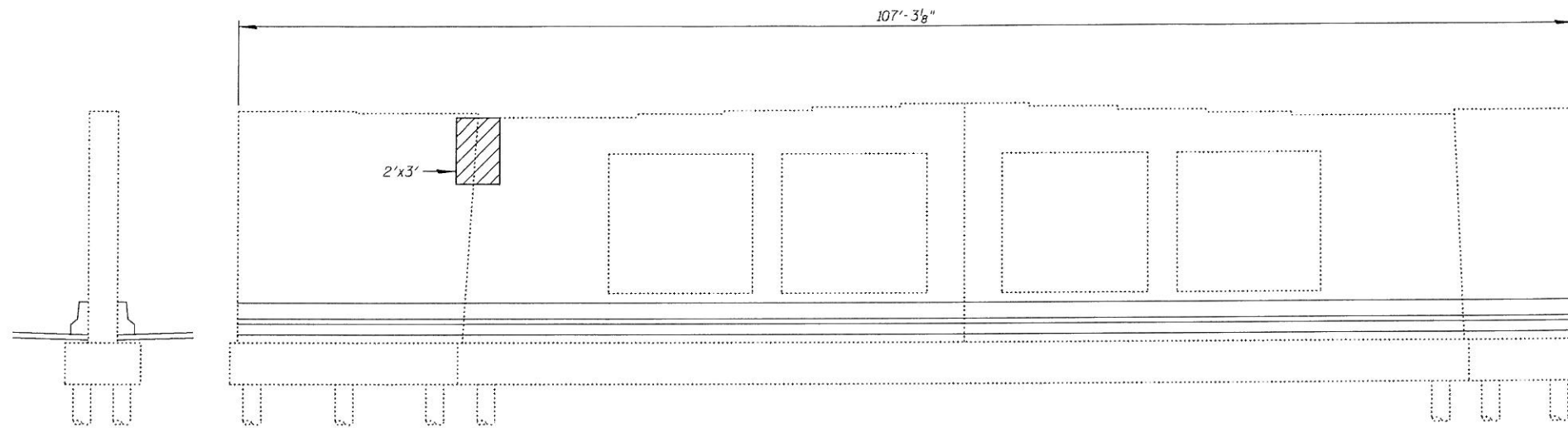
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PLLOT DATE = 5/14/2012	DRAWN - F.M.	REVISED -
	DATE - JANUARY 6, 2012	REVISED -

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PIER 1 REPAIRS
STRUCTURE NO. 016-0713

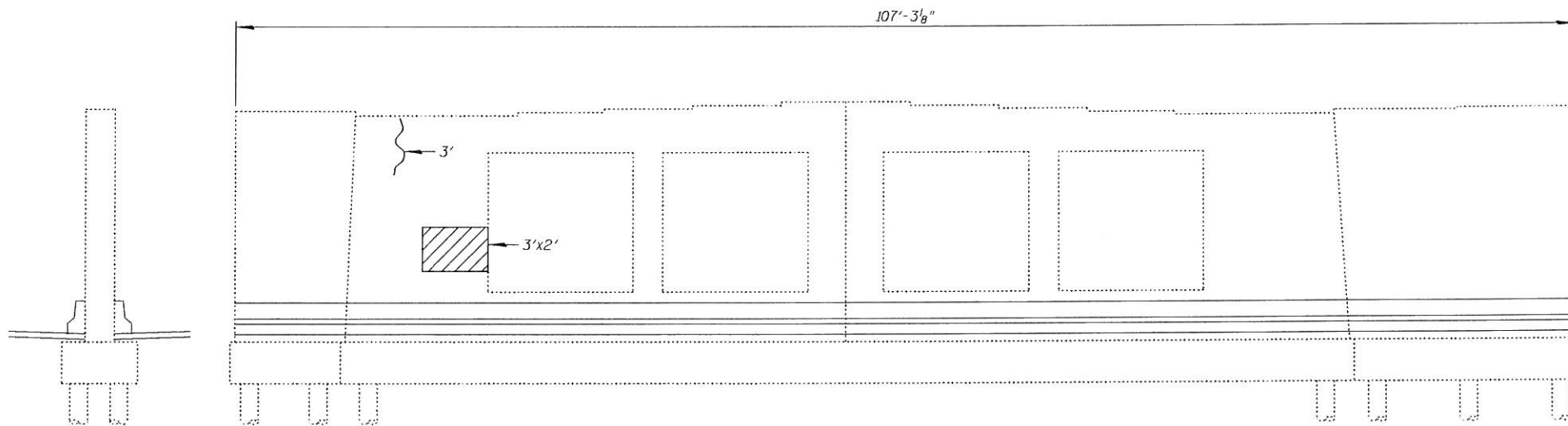
SHEET NO. 516 OF 521 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P72	



PIER 2
(Looking West)

LEGEND:
 Structural Repair of Concrete
 (Depth Equal To or Less Than 5 Inches)
 Cracks (perform Epoxy Crack Injection)



PIER 2
(Looking East)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	12
Epoxy Crack Injection	Foot	3

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CHRISTIAN-ROGE & ASSOCIATES, INC.

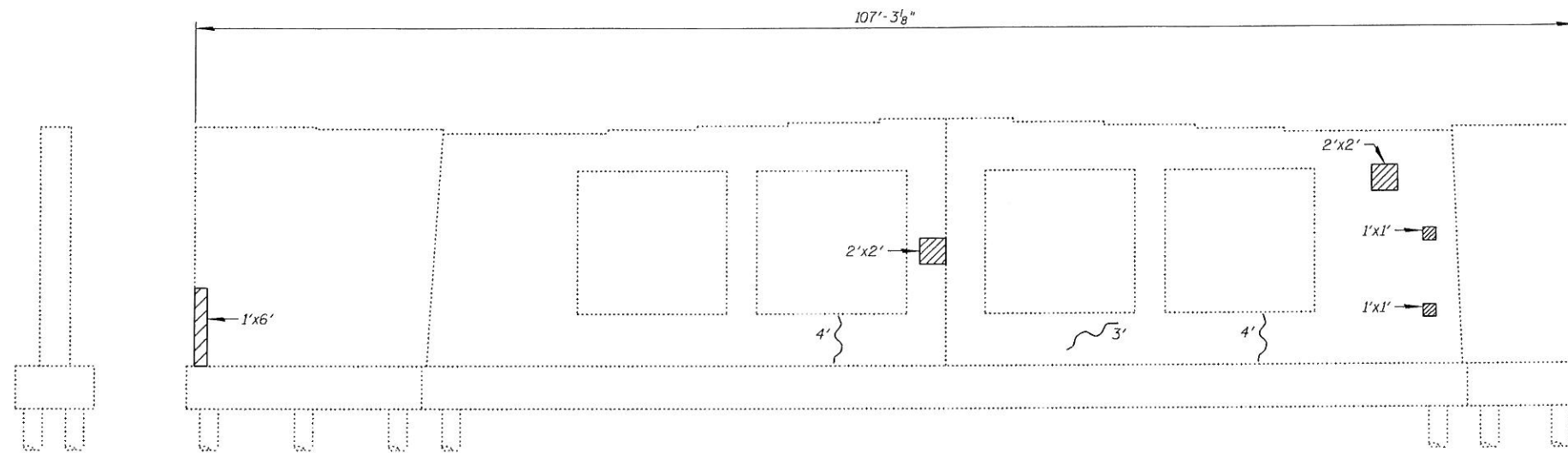
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	DATE - JANUARY 6, 2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

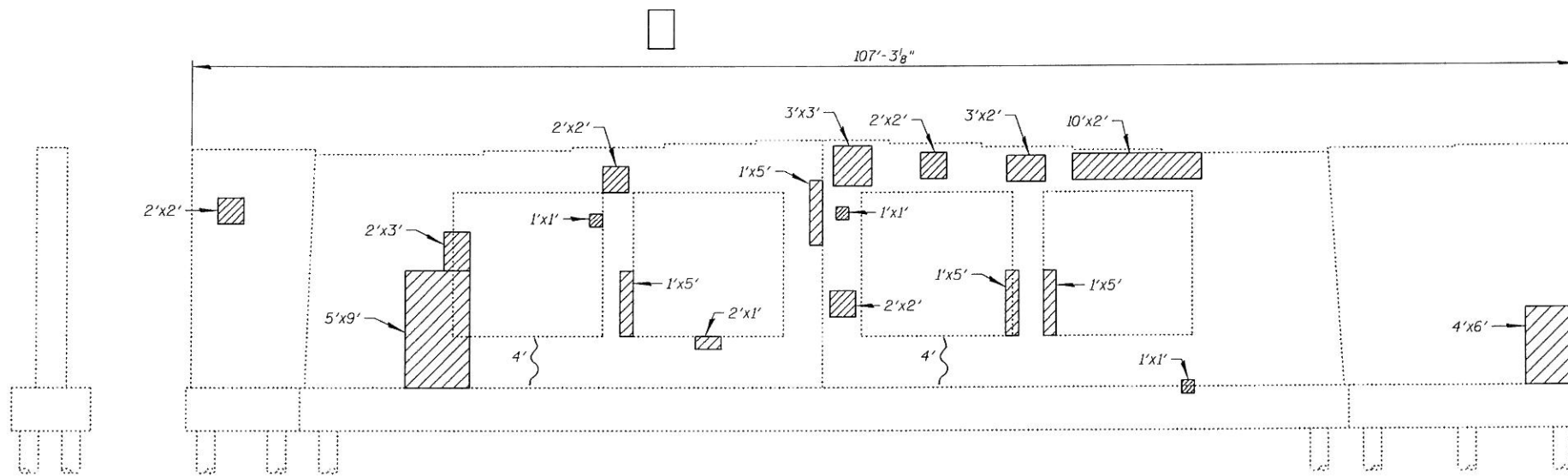
**PIER 2 REPAIRS
STRUCTURE NO. 016-0713**

SHEET NO. S17 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	28
				CONTRACT NO. 60P72
ILLINOIS FED. AID PROJECT				



PIER 3
(Looking West)



PIER 3
(Looking East)

LEGEND:

- Structural Repair of Concrete
(Depth Equal To or Less Than 5 Inches)
- Cracks (perform Epoxy Crack Injection)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	167
Epoxy Crack Injection	Foot	19

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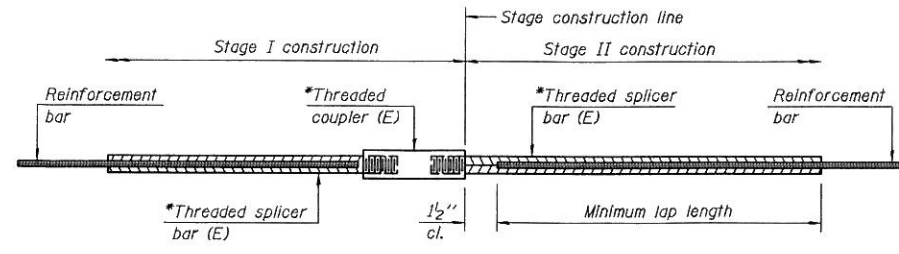
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PLOT DATE = 5/14/2012	DRAWN - F.M.	REVISED -
	DATE - JANUARY 6, 2012	REVISED -

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DEPARTMENT OF TRANSPORTATION

PIER 3 REPAIRS
STRUCTURE NO. 016-0713

SHEET NO. S18 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	29
CONTRACT NO. 60P72			ILLINOIS FED. AID PROJECT	



STANDARD BAR SPLICER ASSEMBLY

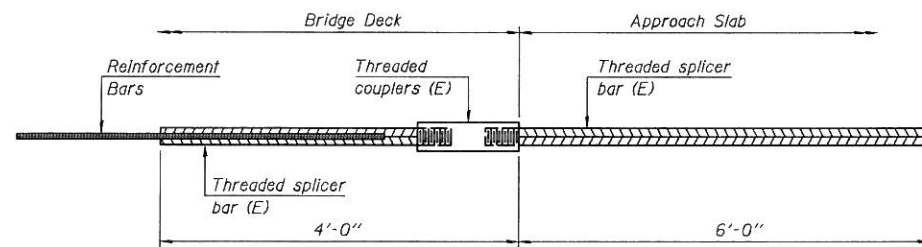
Bar size to be spliced	Minimum Lap Lengths				
	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

- 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

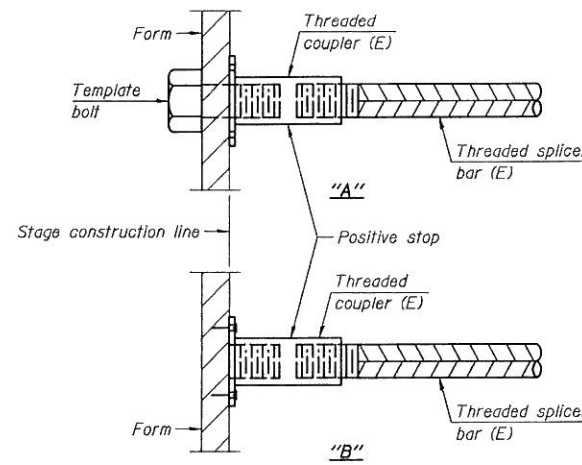
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Expansion Joint Repair, West Abut.	#5	16	3
	#6	8	3
Expansion Joint Repair, East Abut.	#5	16	3
	#6	8	3



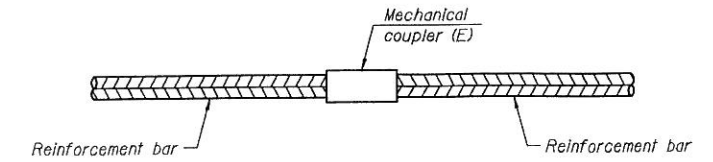
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = -



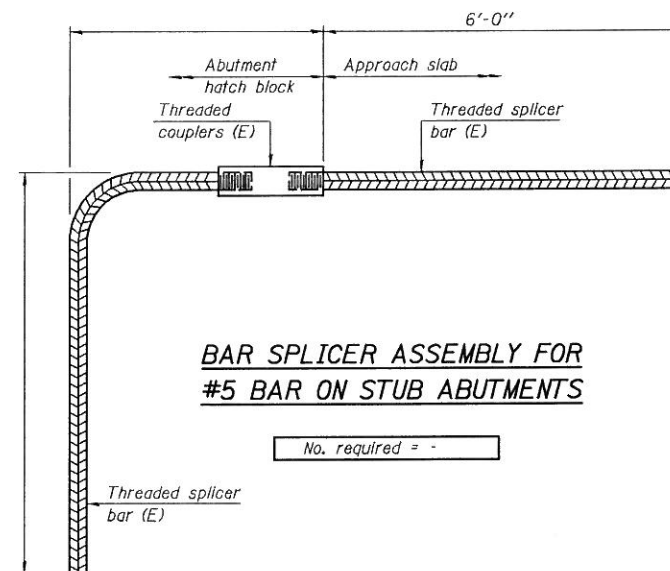
INSTALLATION AND SETTING METHODS

- "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 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.

FILE NAME = I:\02915_Touhy-Ave\Structural\CADD_Sheets\0160P72-19-bar-splicer_assembly.dgn

BSD-1 7-1-10



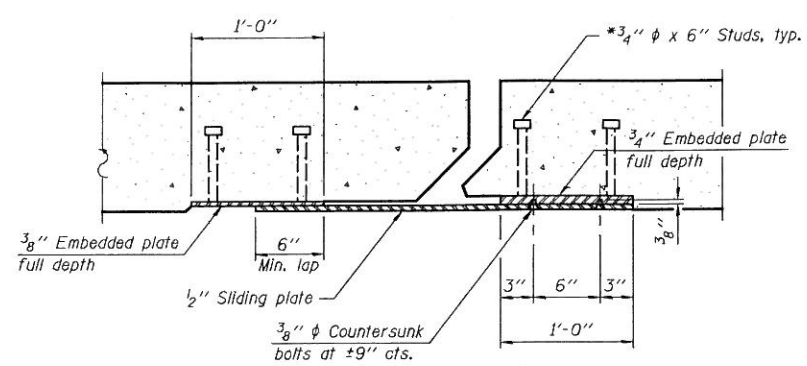
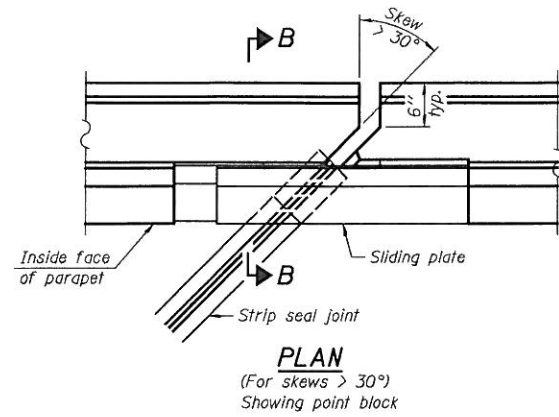
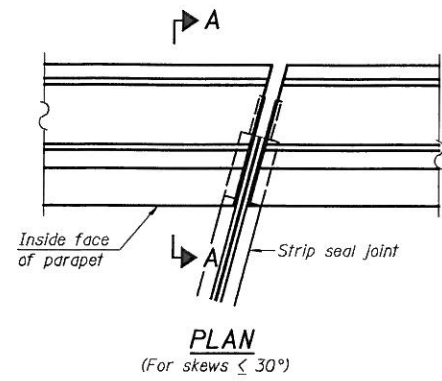
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STATE OF ILLINOIS
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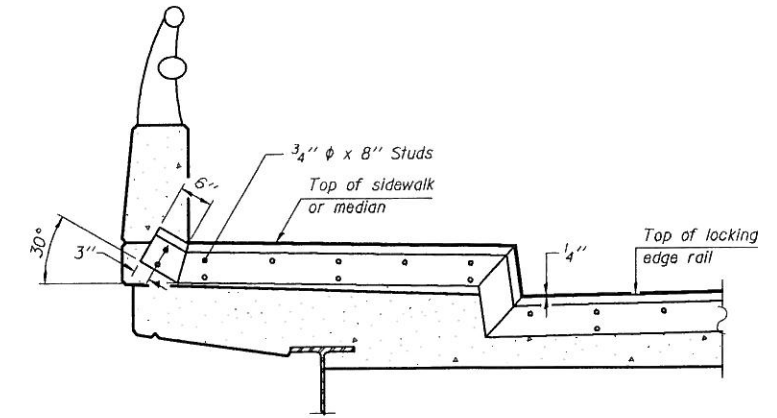
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 016-0713

SHEET NO. S19 OF S21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	30
CONTRACT NO. 60P72				
ILLINOIS FED. AID PROJECT				

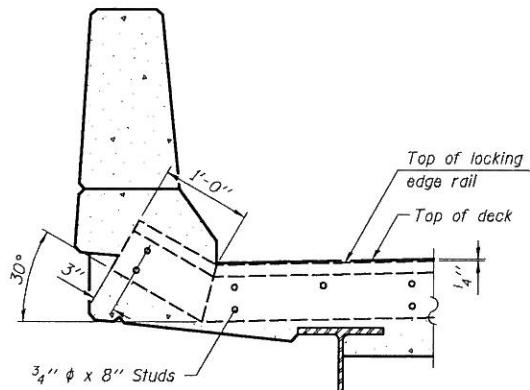


SECTION C-C

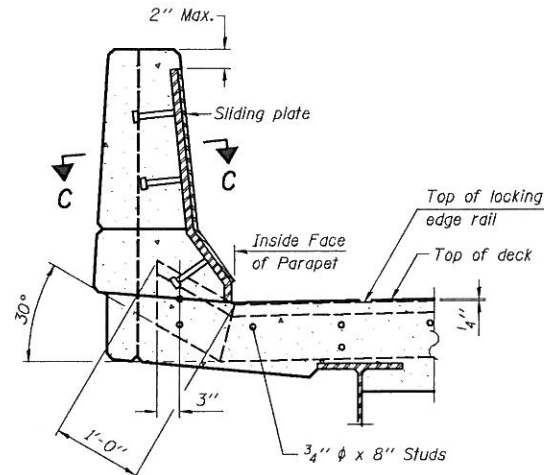


TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN

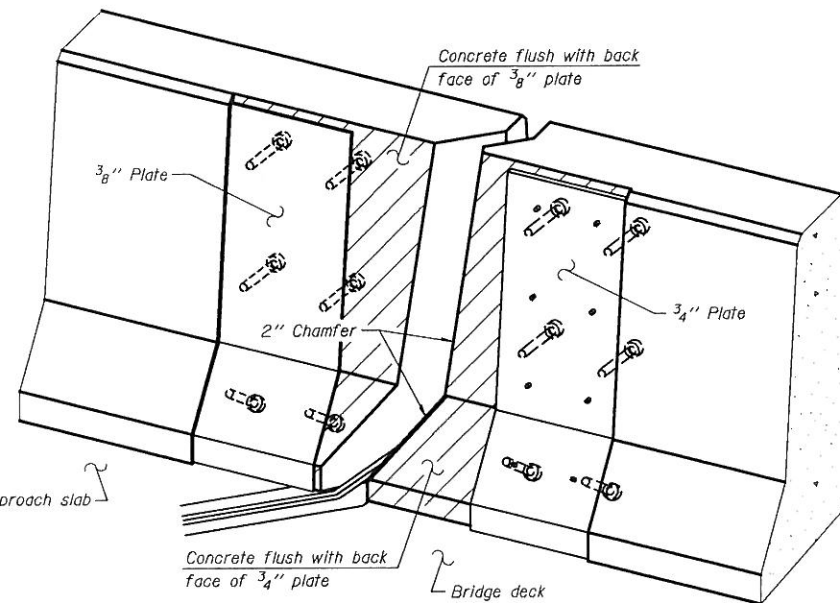
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



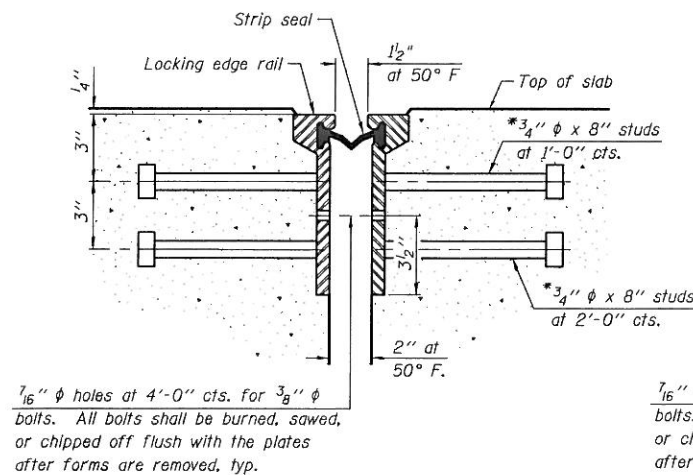
SECTION A-A



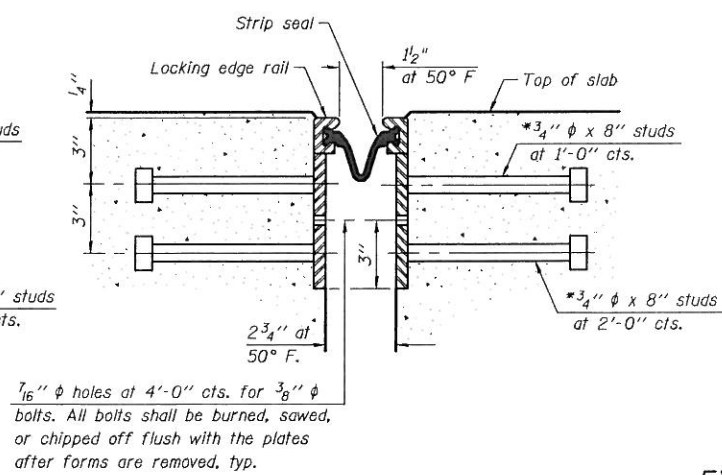
SECTION B-B



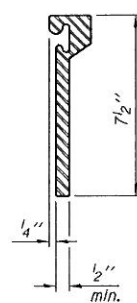
TRIMETRIC VIEW (Showing back plates only)



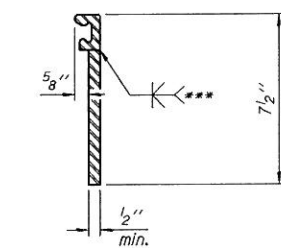
SECTION THRU ROLLED RAIL JOINT



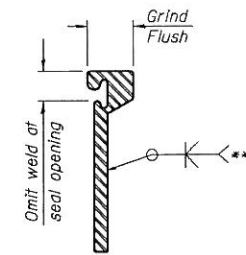
SECTION THRU WELDED RAIL JOINT



ROLLED EXTRUDED RAIL



WELDED RAIL



LOCKING EDGE RAIL SPLICE

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

LOCKING EDGE RAILS

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° included in the cost of Preformed Joint Strip Seal.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	233

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

EJ-SSJ 7-1-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

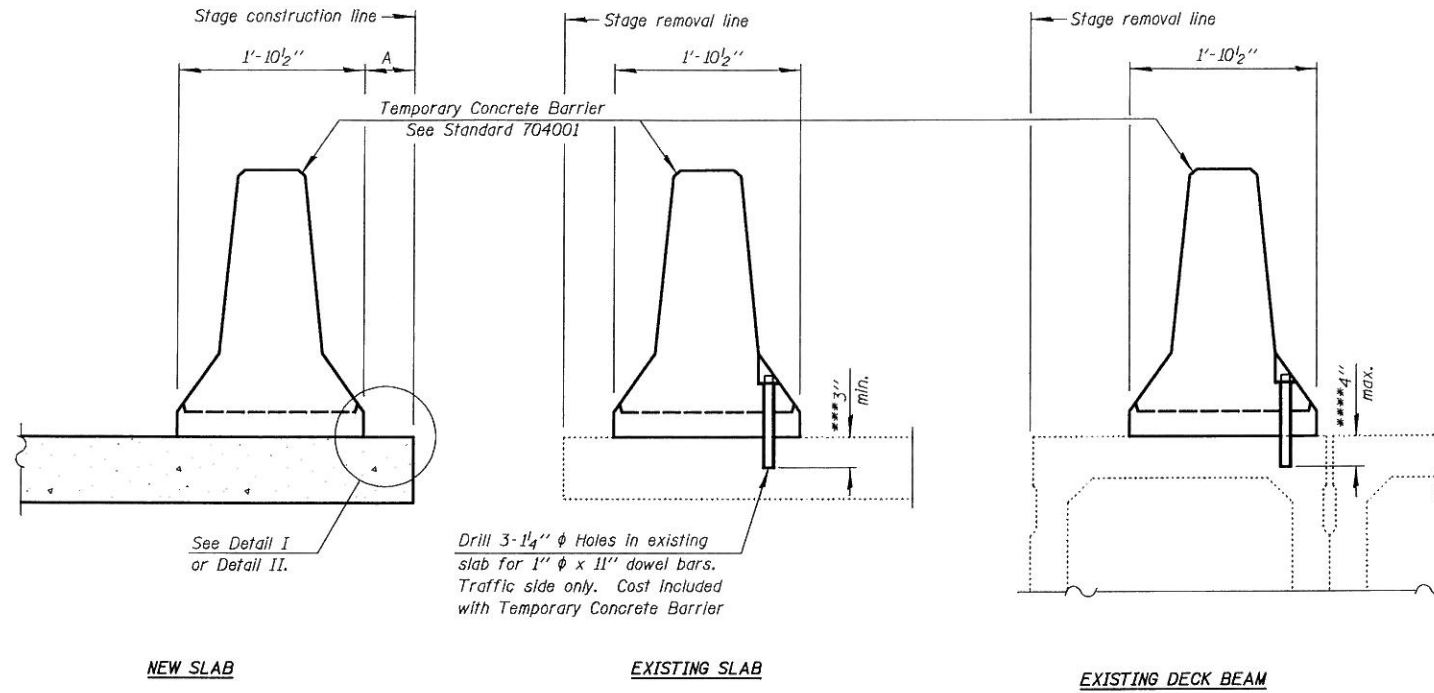
PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 016-0713

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304, 1 HB-1-2	COOK	44	31
				CONTRACT NO. 60PT2
ILLINOIS FED. AID PROJECT				

SHEET NO. S20 OF S21 SHEETS

USER NAME = IDOT	DESIGNED - J.C.N./B.N.S.	REVISED -
PLOT SCALE = 49.999968' / IN.	CHECKED - B.N.S./J.C.N.	REVISED -
PLOT DATE = 5/14/2012	DRAWN - F.M.	REVISED -
	DATE - JANUARY 6, 2012	REVISED -

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTIONS THRU SLAB OR DECK BEAM

NOTES

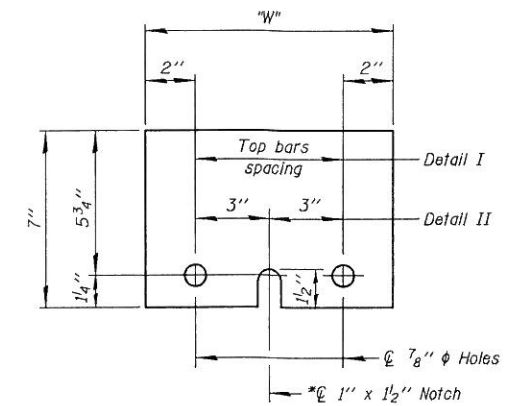
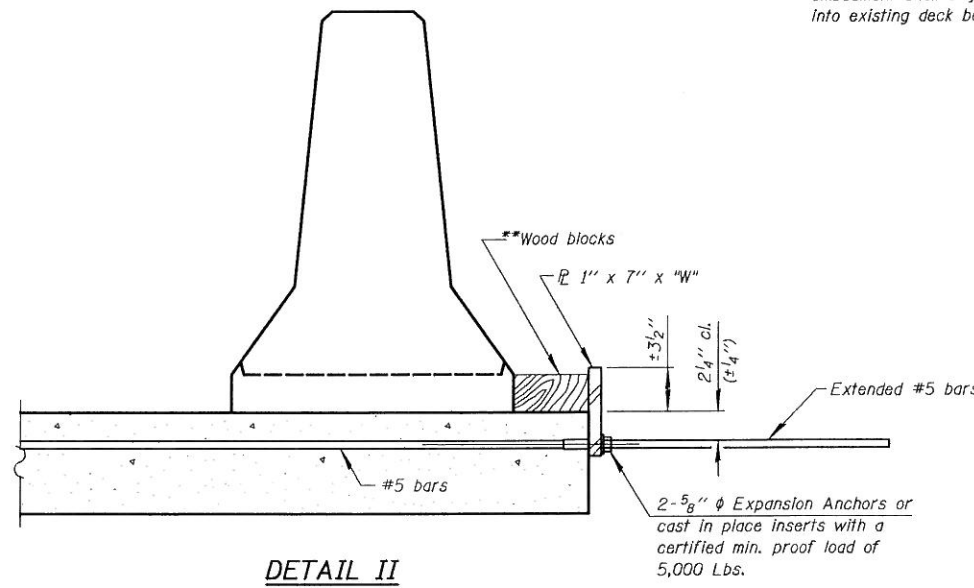
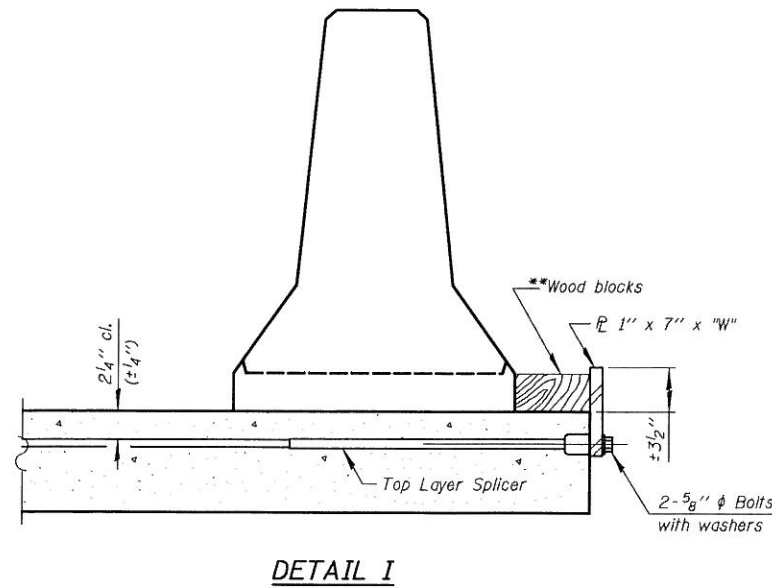
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel \bar{r} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{c} of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel \bar{r} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{c} of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

R-27 7-1-10

FILE NAME = I:\02915-Touhy-Ave\Structural\CADD Sheets\DI60P72-21-temp_conc_barrier.dgn

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLLRANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CLNTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

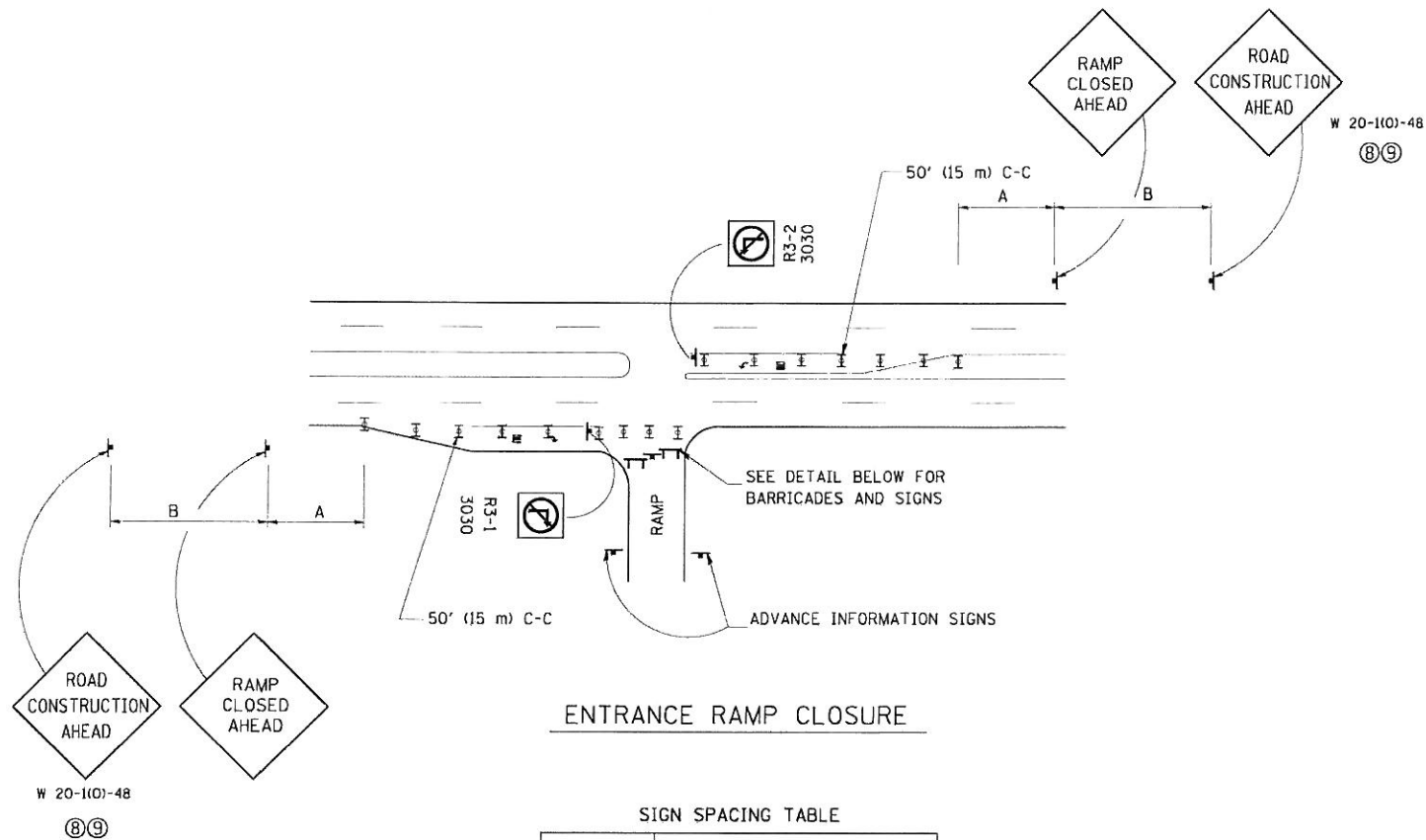
BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMLNSTONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME :	USER NAME : drrivars@igh	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A. RTE. :	SECTION :	COUNTY :	TOTAL SHEETS :	SHEET NO. :
4.dwg	DRAWN -	REVISED - A. ABBAS 03 21 97	94			0304.1 HB-I-2	COOK	44	33	
PLOT SCALE - 5/8" = 1'	CHECKED -	REVISED - M. GOMEZ 01-22-01	BD800-06 (BD-24)			CONTRACT NO. 60P72				
PLOT DATE - 12/10/2003	DATE - 03-11-94	REVISED - R. BORO 12-15-09	FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA. :	TO STA. :	

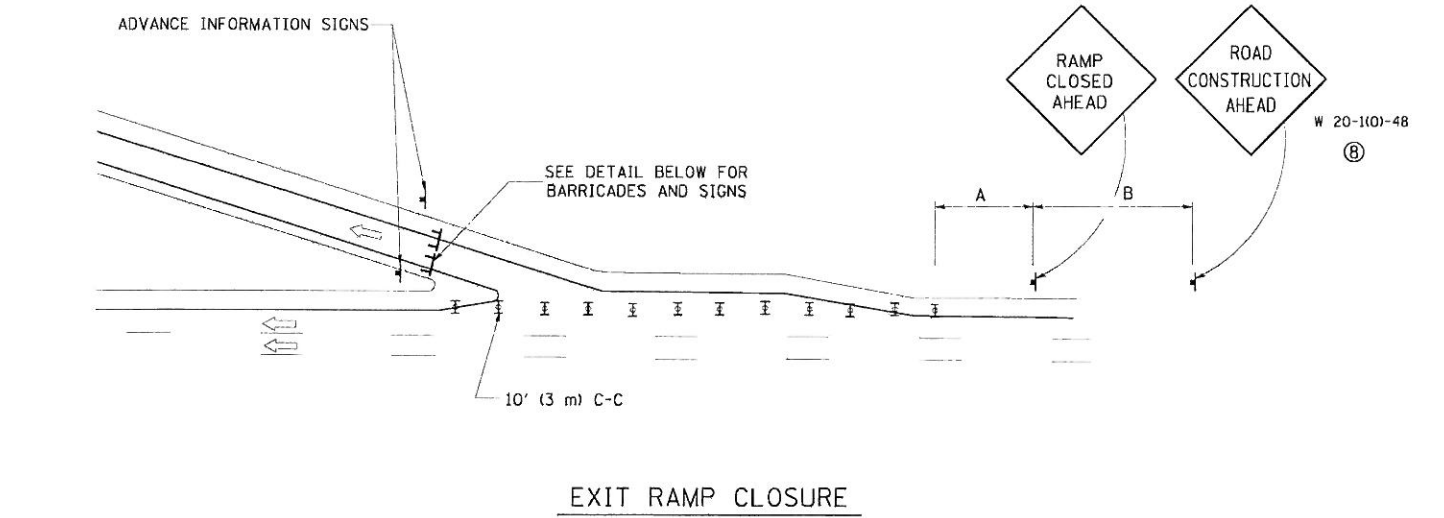


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

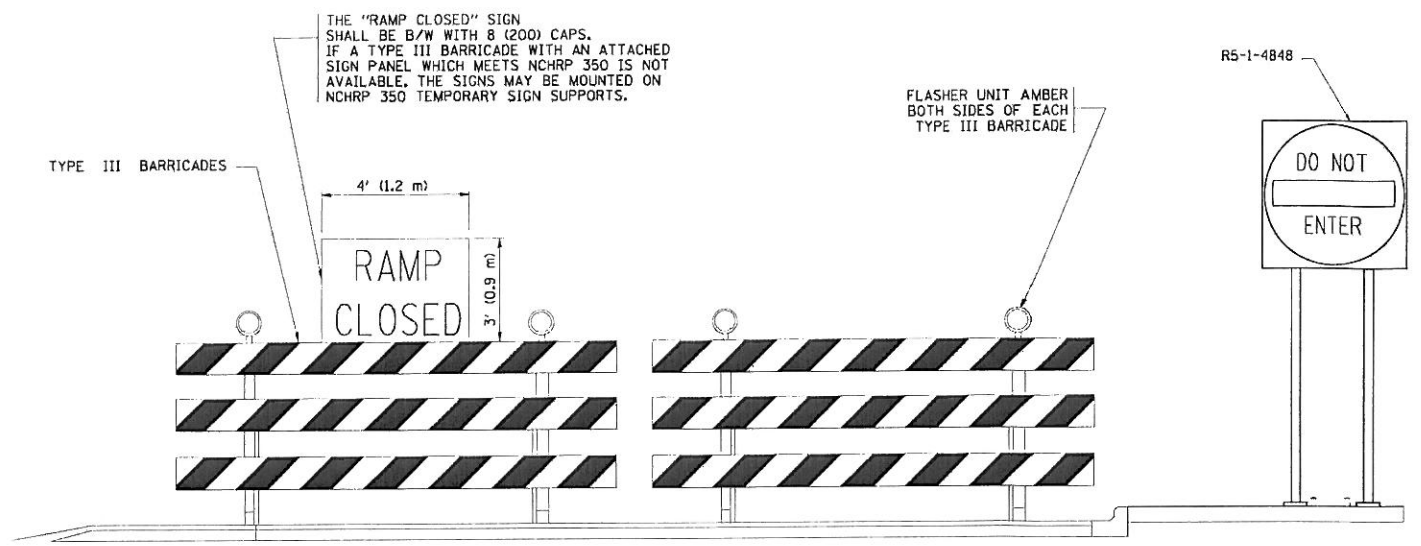
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL ≥45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	150' (45 m)	150' (45 m)

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.

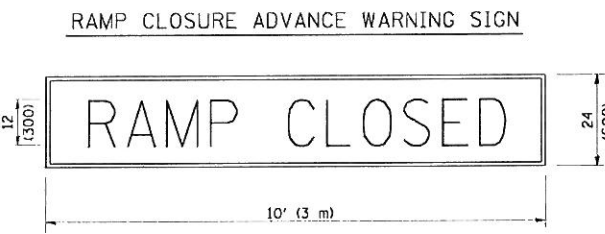


EXIT RAMP CLOSURE

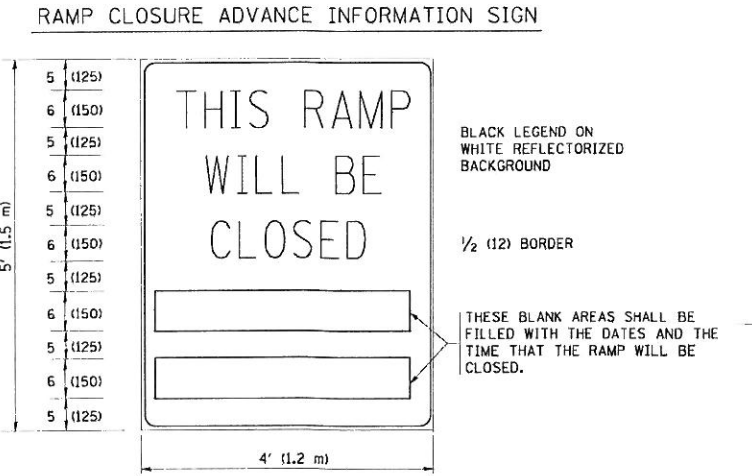
- SYMBOLS**
- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - ⊥ TYPE III BARRICADE WITH FLASHING LIGHT



DETAIL FOR REQUIRED BARRICADES & SIGNS



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.



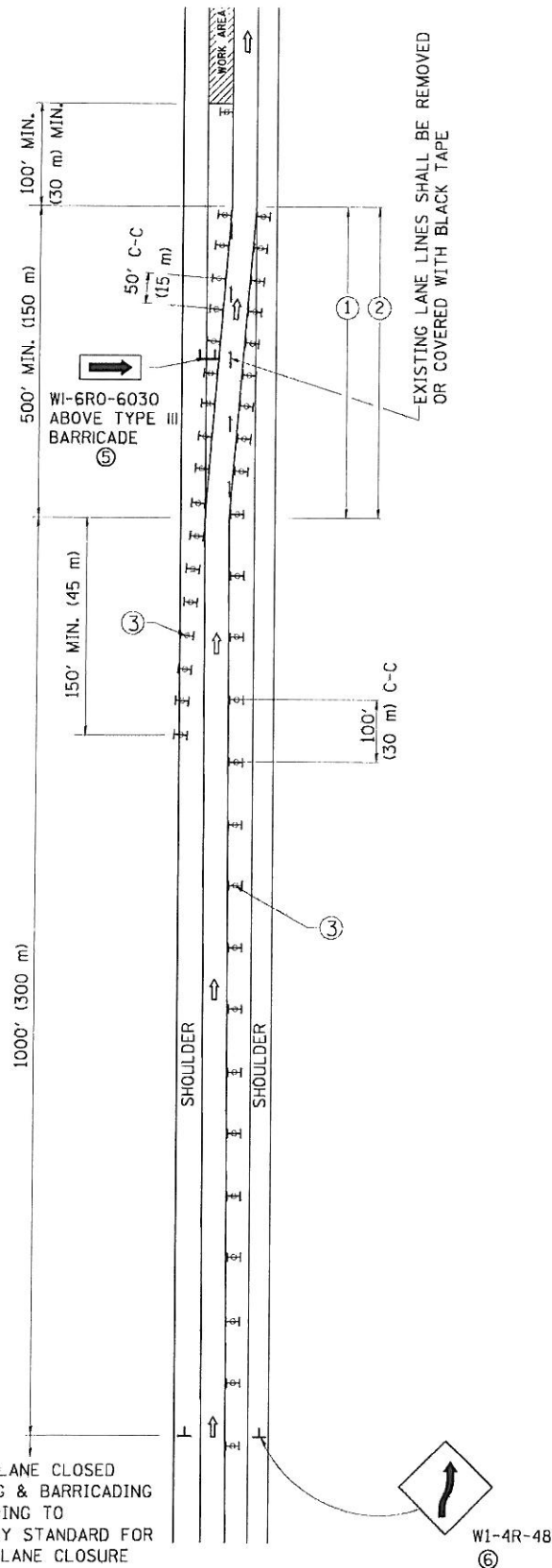
BLACK LEGEND ON WHITE REFLECTORIZED BACKGROUND
1/2 (12) BORDER
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.
THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

GENERAL NOTES:

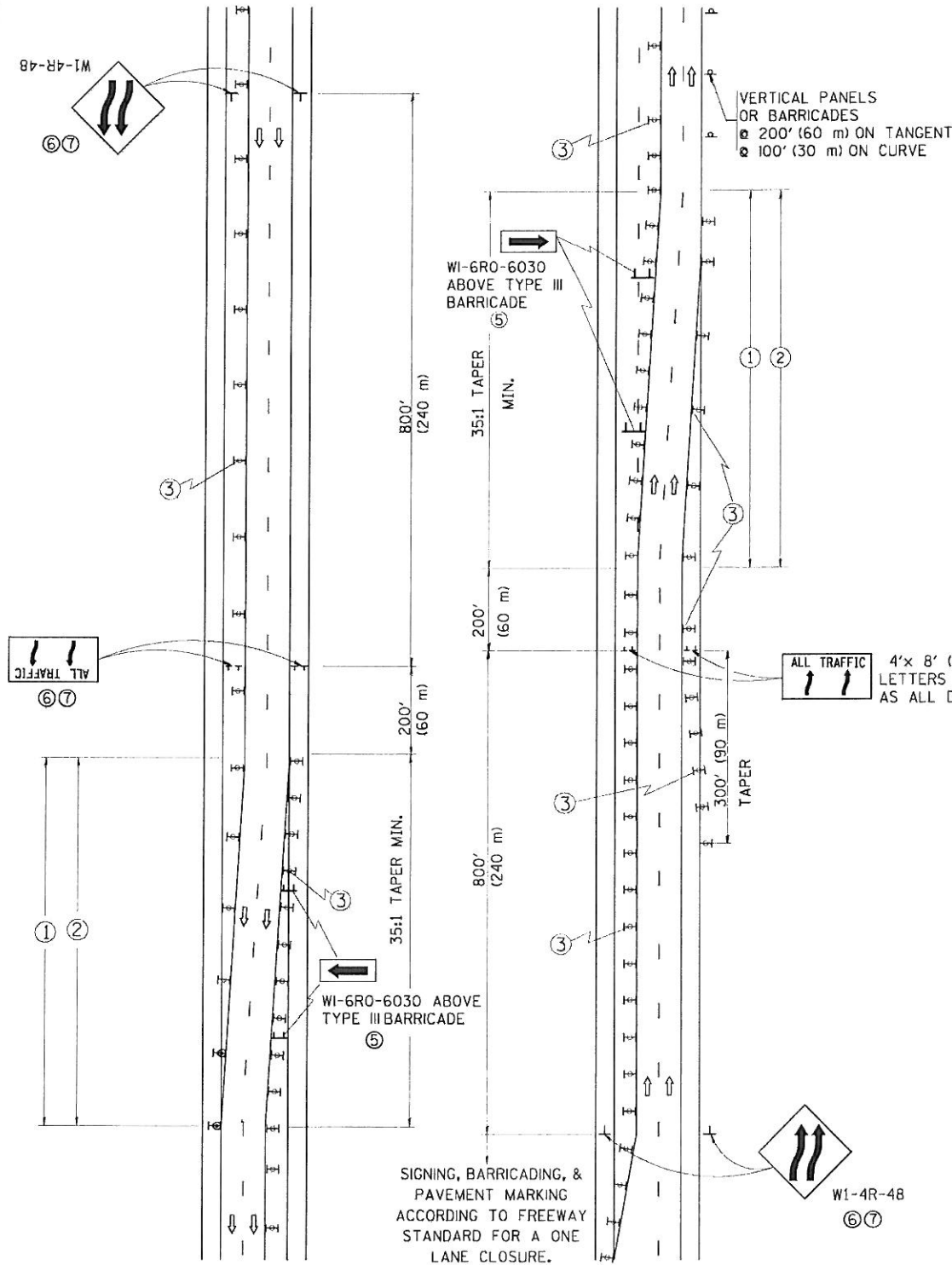
- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR (24) HOURS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 24 HOURS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS. TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- W24-1-48 (7)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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 PLOT DATE: 1/26/2010

DESIGNED: DWS
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 CHECKED: -
 DATE: 02-07

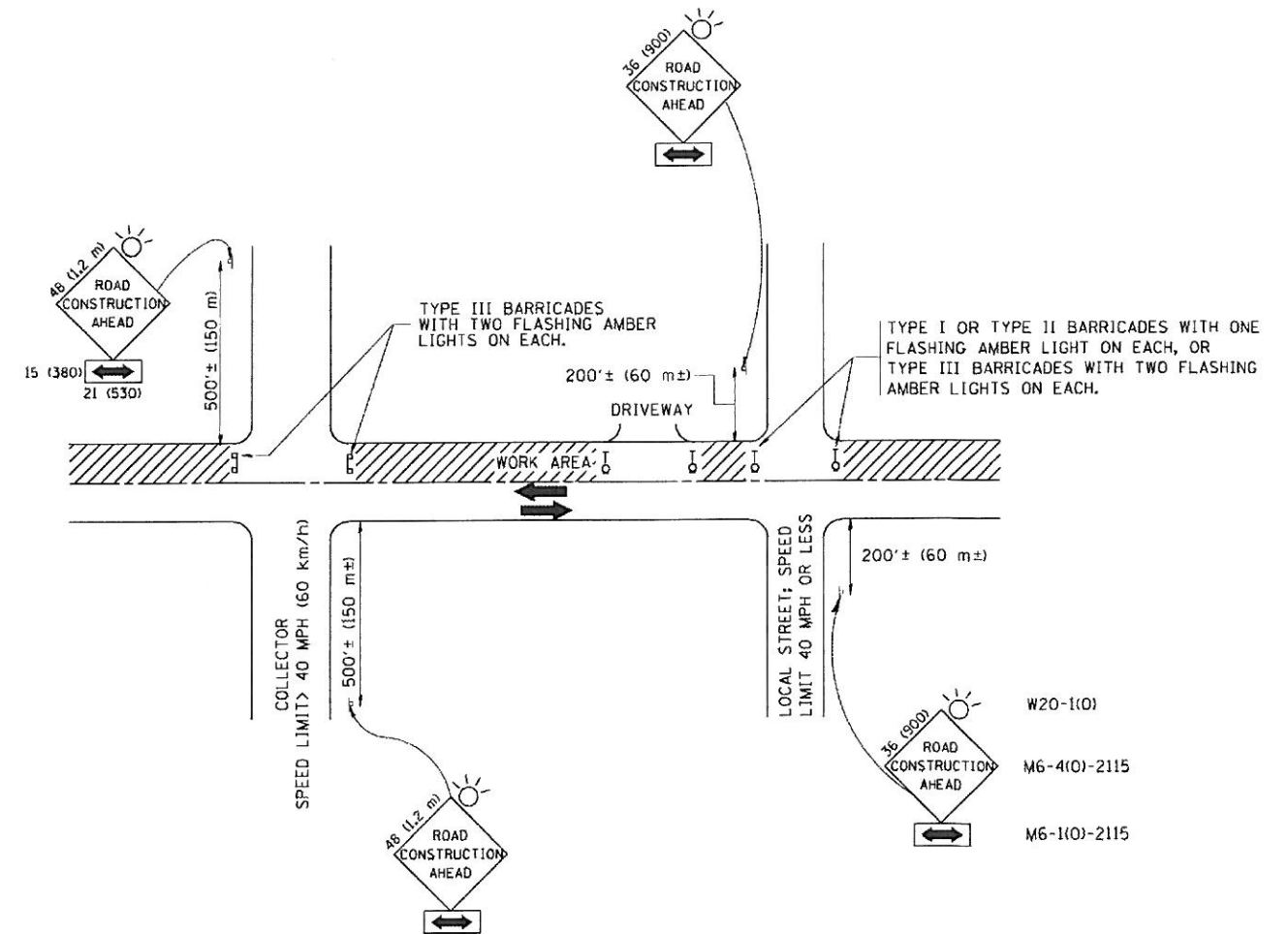
REVISED: JAF 01-03
 REVISED: JAF 02-06
 REVISED: SPB 01-07
 REVISED: SPB 12-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR
 FREEWAY SINGLE & MULTI-LANE WEAVE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 HB-I-2	COOK	44	35
TC-09			CONTRACT NO. 60PT2	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

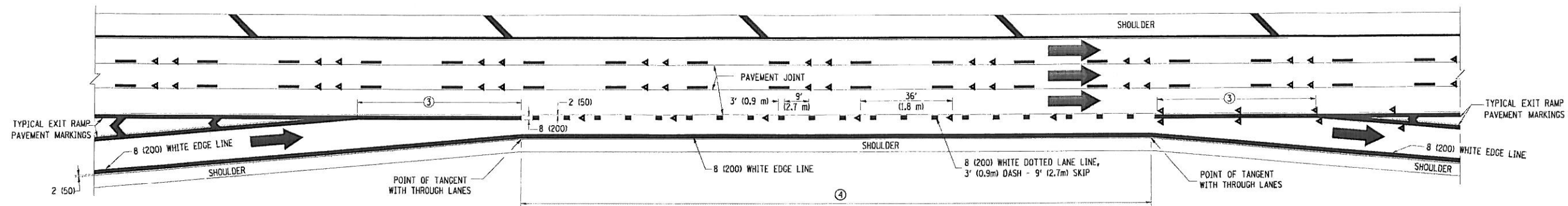
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

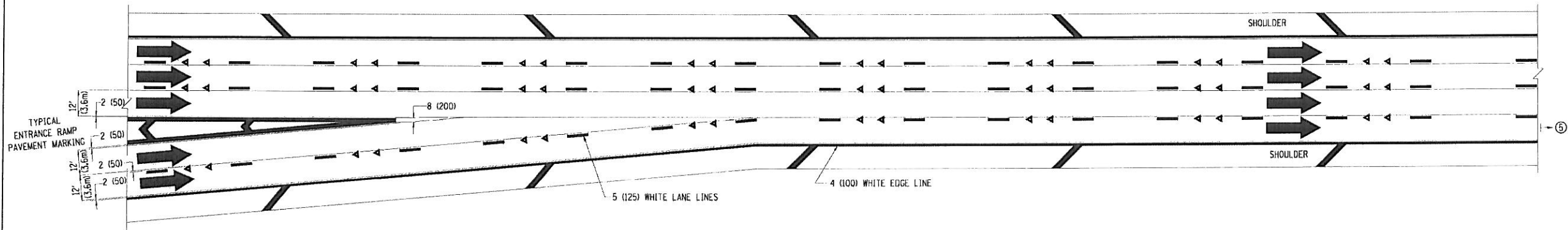
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94	0304.1 HB-1-2	COOK	44	36
TC-10			CONTRACT NO. 60P72	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME	USER NAME	DESIGNED	REVISOR
W:\distatd\22x34\to18.dgn	gaglianobk	LHA	J. OBERLE 10-18-95
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		CHECKED	A. HOUSEH 10-15-96
		DATE	T. RAMMACHER 01-06-00
			06-89

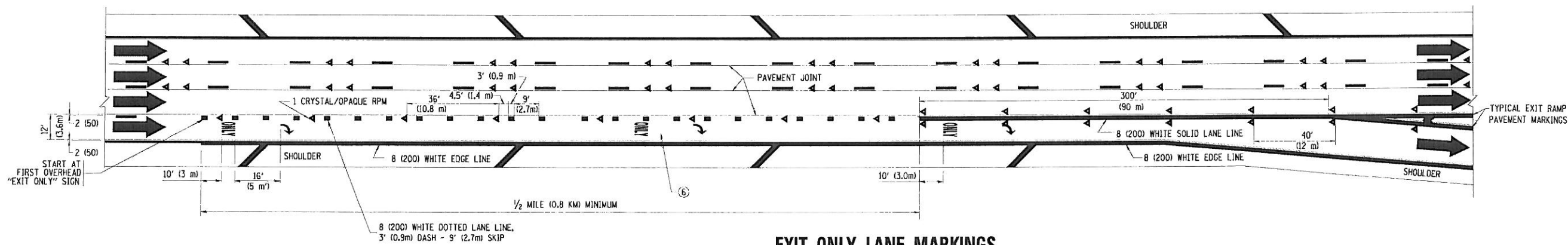
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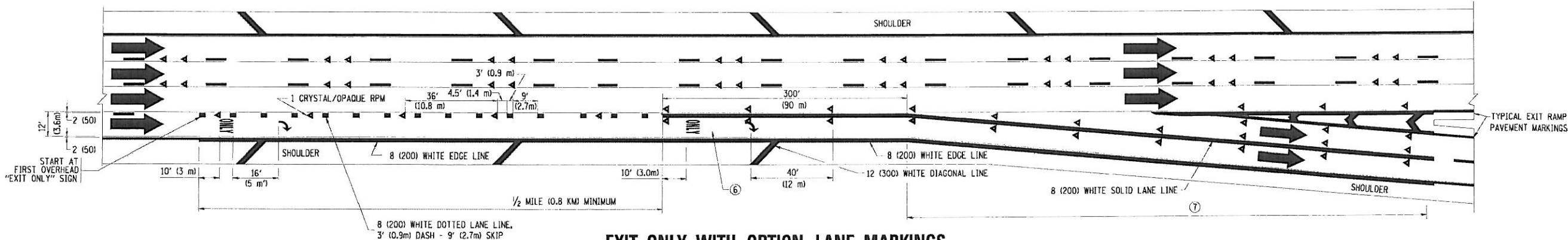
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

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c:\pwworkspace\pwworkspace\1108315\1108315.dwg

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PLOT DATE: 1/22/2010

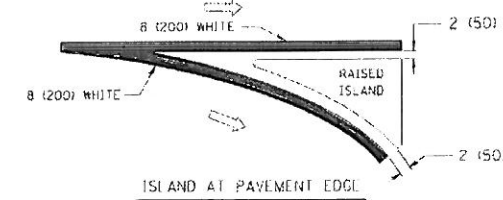
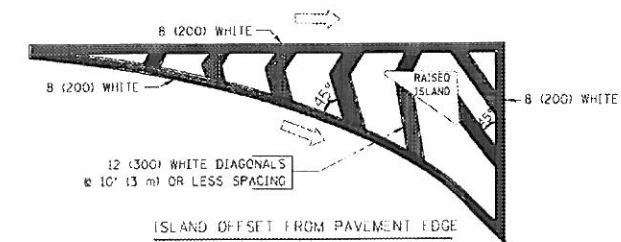
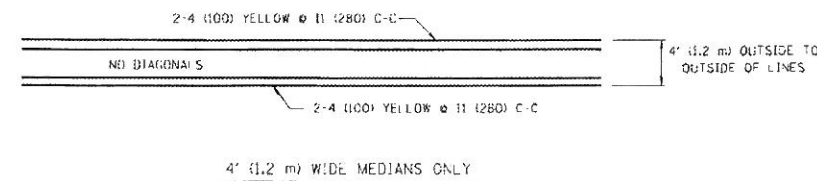
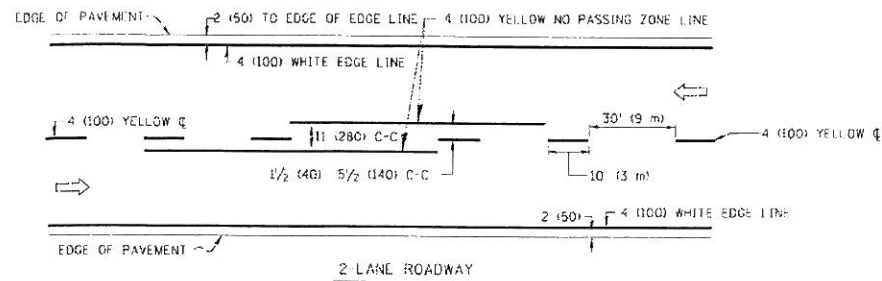
DESIGNED: D.W.S.
DRAWN:
CHECKED:
DATE: 01-90

REVISED: D.W.S. 07-96
REVISED: J.A.F. 02-06
REVISED: S.P.B. 01-07
REVISED: S.P.B. 01-10

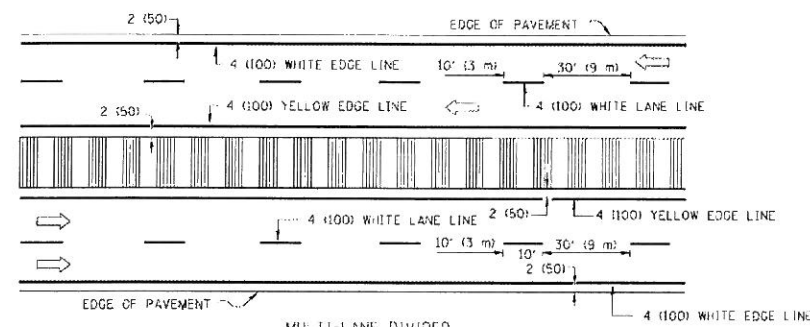
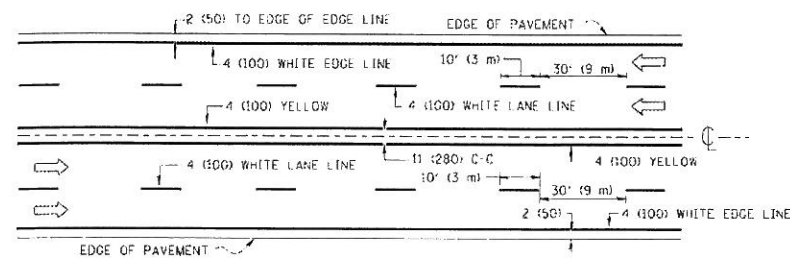
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**
SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-12		CONTRACT NO. 60PT2		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

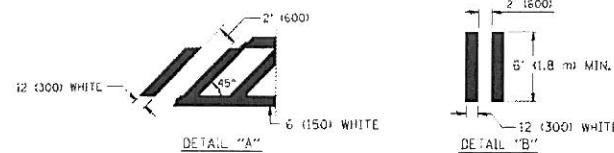
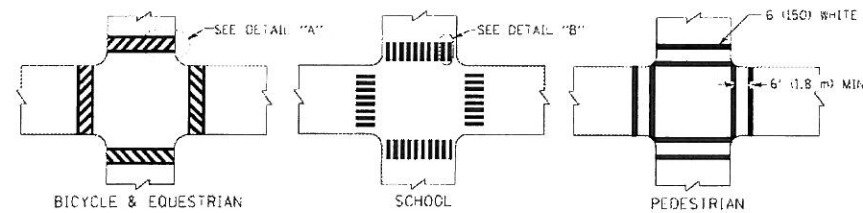


TYPICAL ISLAND MARKING

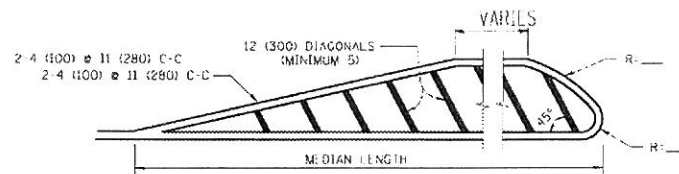


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



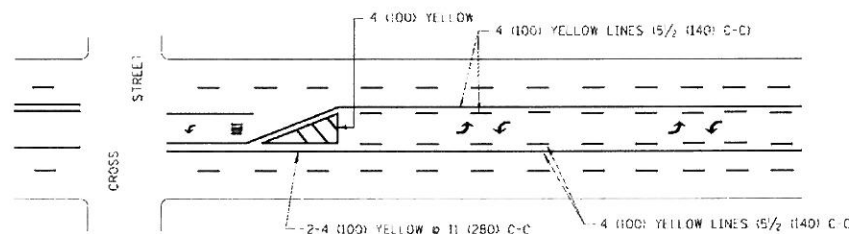
TYPICAL CROSSWALK MARKING



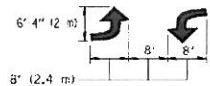
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

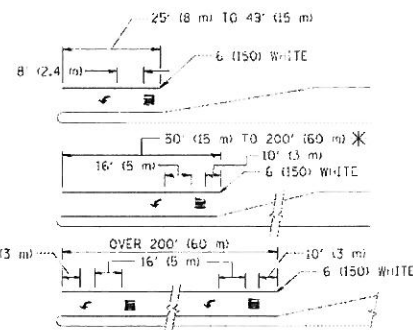


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8 (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
BOTTLED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CHURN MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

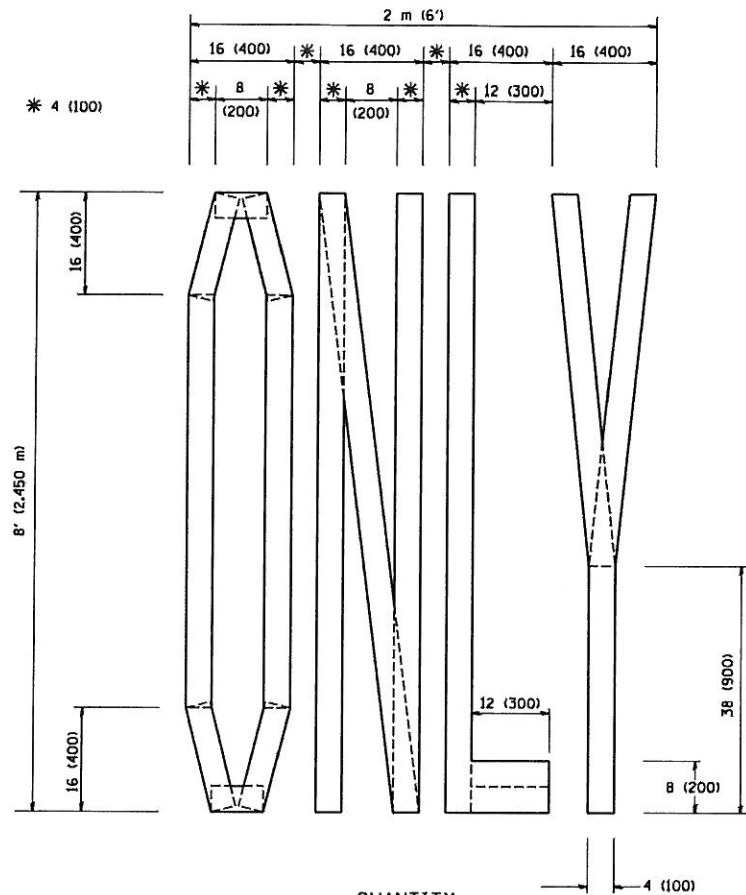
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME: 03190901	USER NAME: drr140309	DESIGNED: EVERS	REVISED: -I, RAMMACHLER 10-27-94
03190901	03190901	DRAWN: Bahr	REVISED: -C, JUCCIUS 09-09-09
		CHECKED: -	REVISED: -
		DATE: 03-19-90	REVISED: -

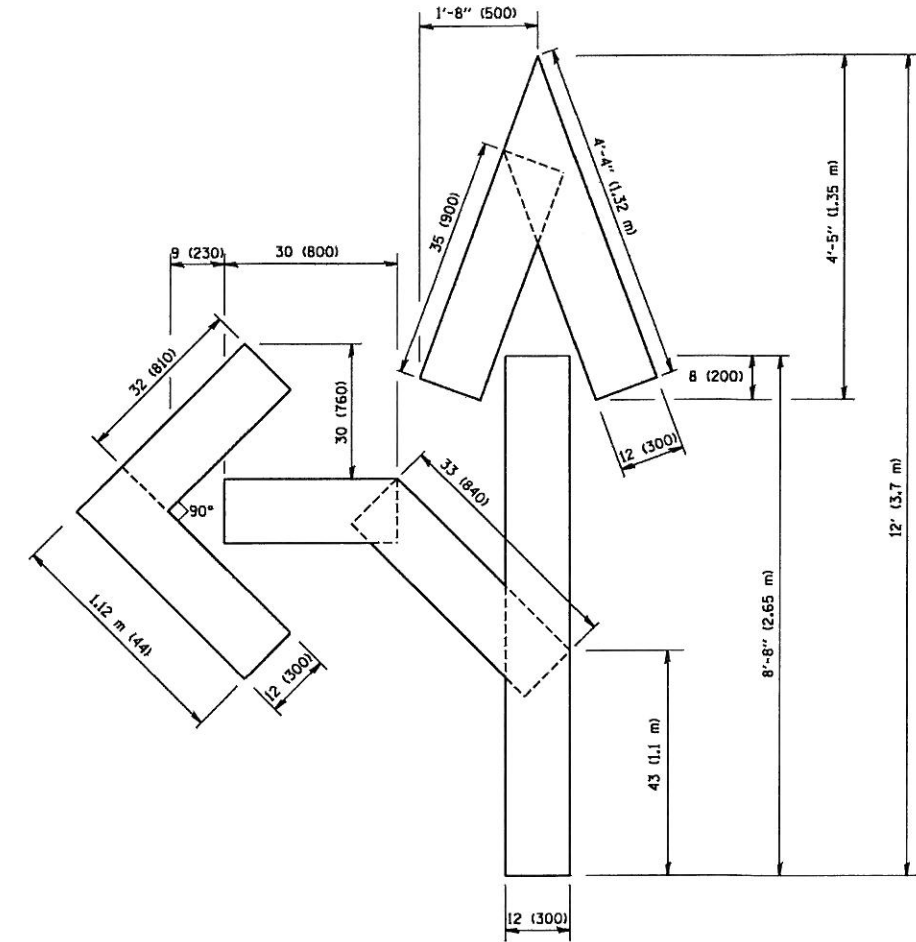
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

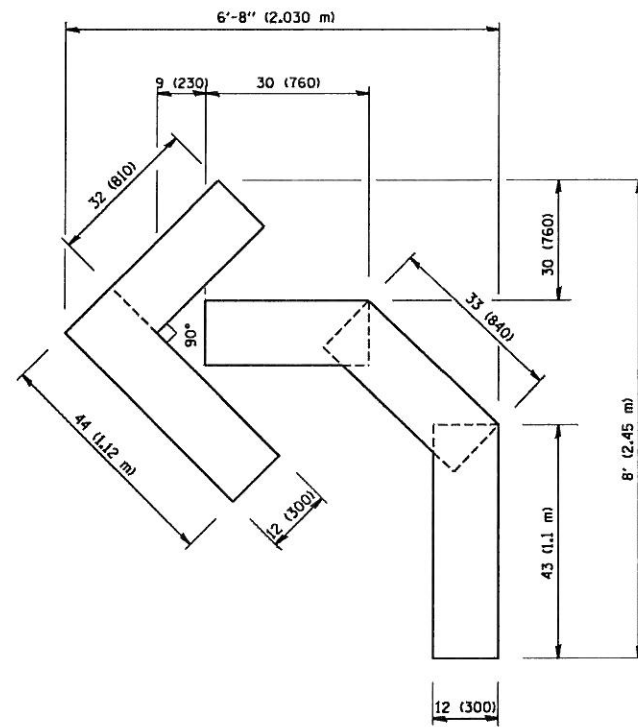
F.A. RT.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
94	0304.1 HB-1-2	COOK	44	39
TC-13		CONTRACT NO. 60PT2		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

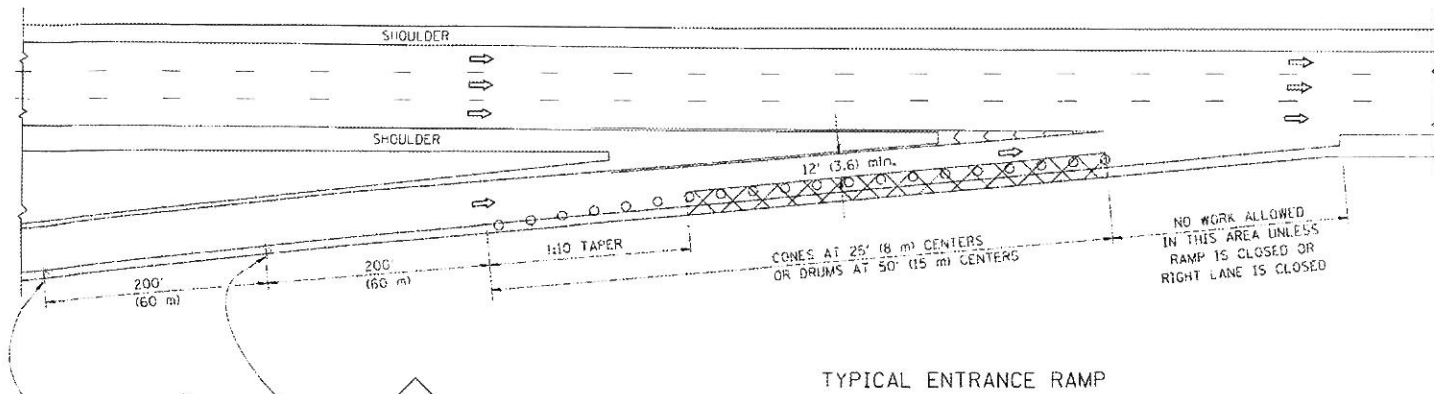
FILE NAME = W:\distatd\22x34\to16.dgn	USER NAME = geglzenobt	DESIGNED - DRAWN -	REVISED -T. RAMMACHER 06-05-96 REVISED -T. RAMMACHER 11-04-97 REVISED -T. RAMMACHER 03-02-98 REVISED -E. GOMEZ 08-28-00
PLOT SCALE = 50,0000 ' / IN.	CHECKED -	DATE - 09-18-94	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

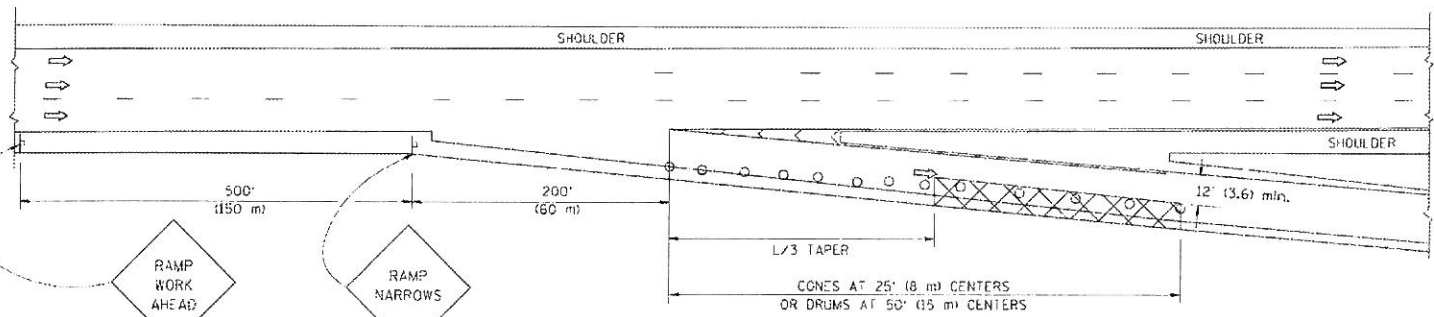
PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 HB-1-2	COOK	44	41
TC-16			CONTRACT NO. 60P72	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

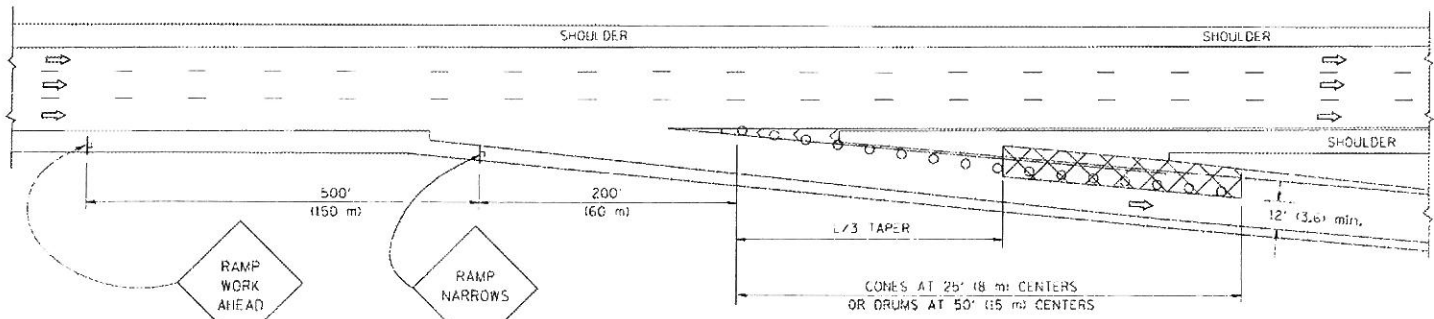
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

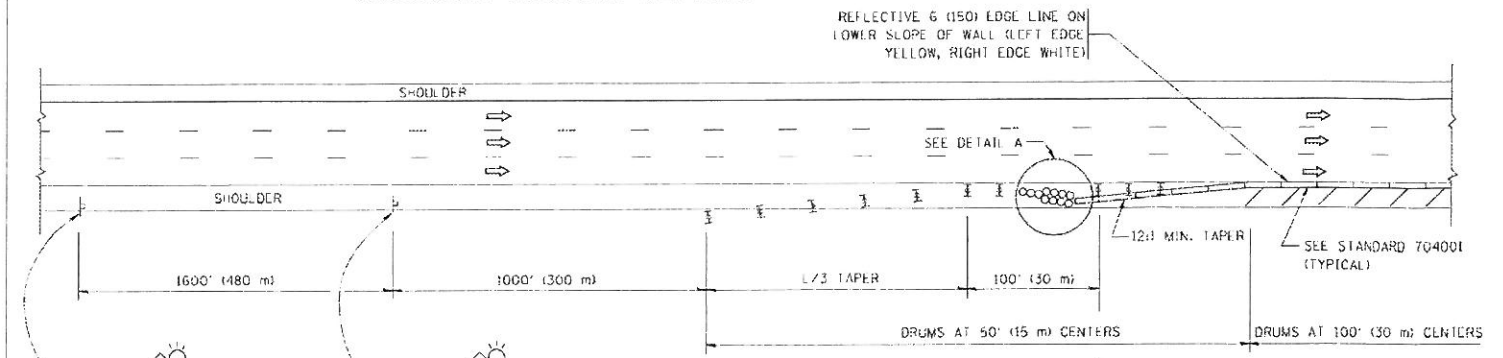
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

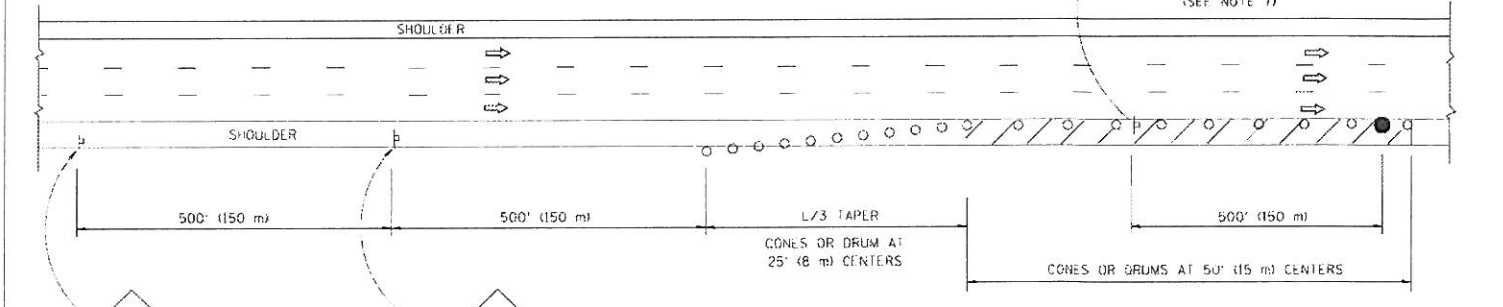
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC: $L = 0.65(WHS)$ ENGLISH: $L = (WHS)$
	W = WIDTH OF OFFSET IN FEET (METERS) S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHT-TIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

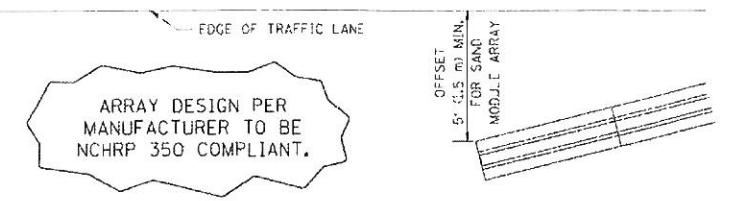


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCRDACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

FILE NAME -	DESIGNED -	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE. 94	SECTION 0304.1 HB-1-2	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 42
W:\boston\22834\17.dwg	LECH NAME - Jayco DRAWN - D.W.S. CHECKED - DATE - 11-96	04-03 J.A.F. 12-06 S.P.B. 01-07 S.P.B. 12-09								
						TC-17 CONTRACT NO. 60P72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT										

ROUTE MARKERS

FOR U.S. ROUTES
MI-40-2424

FOR ILLINOIS ROUTES
MI-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

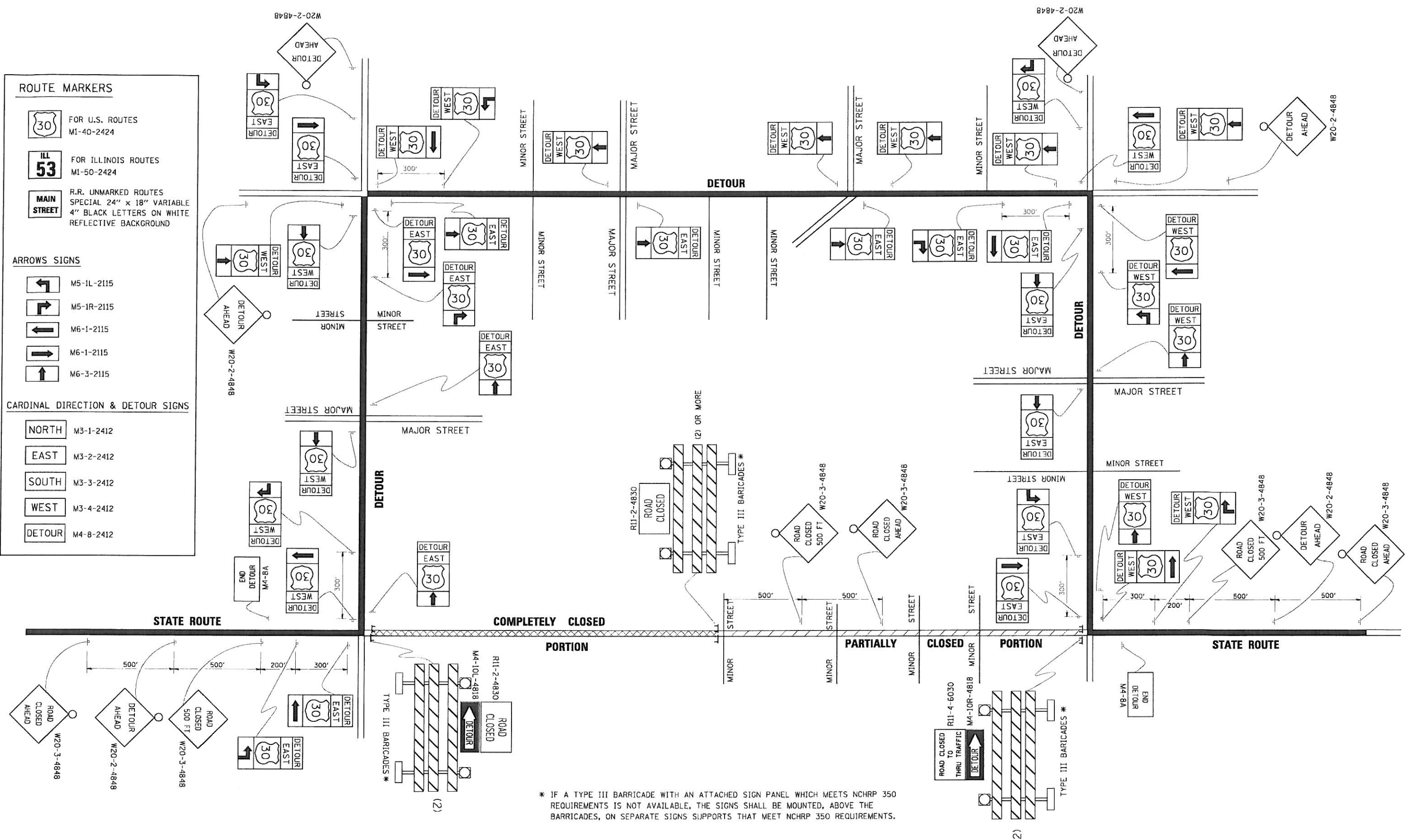
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

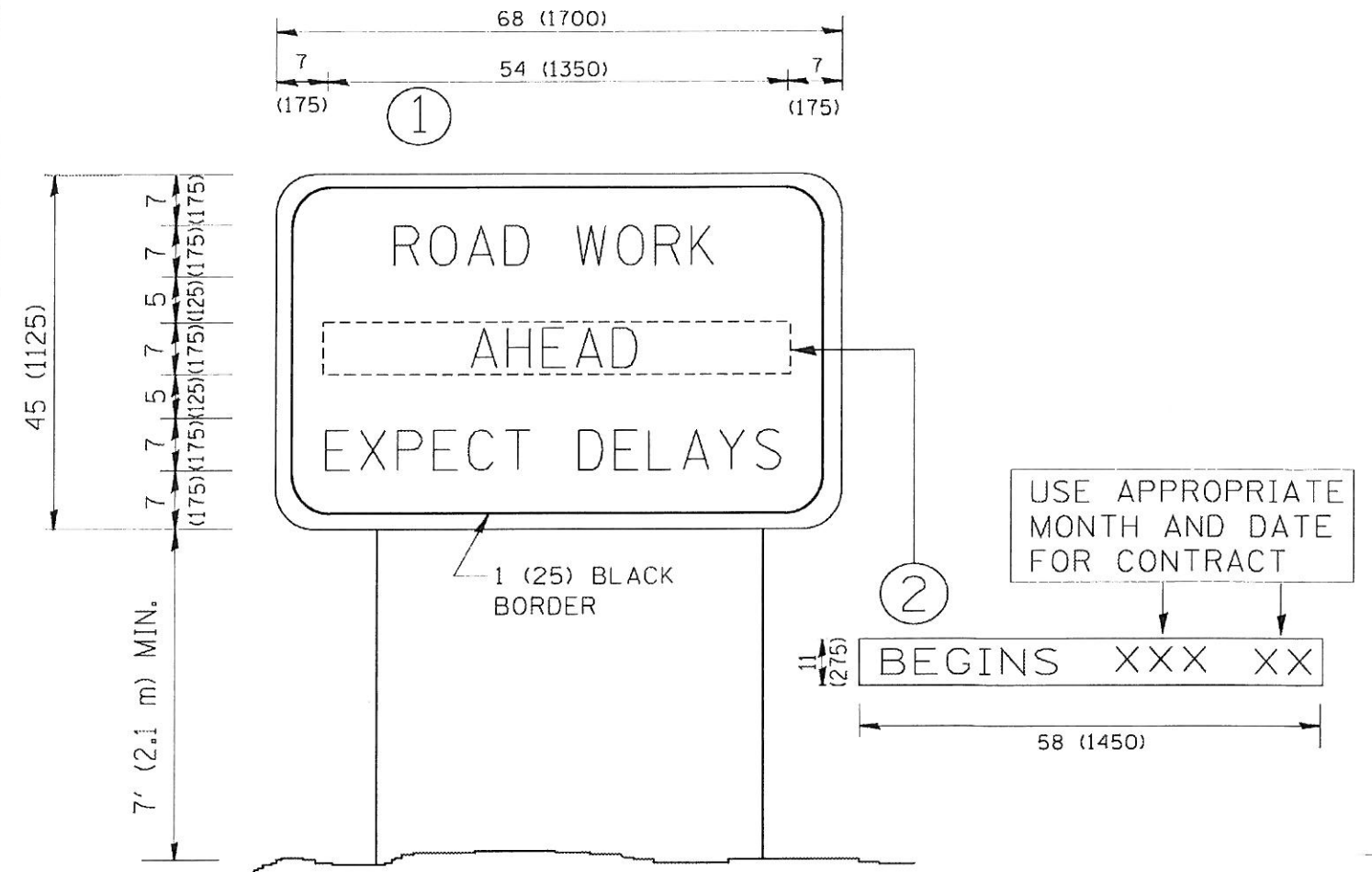
F.I.E. NAME :	USER NAME : drivakogn	DESIGNED :	REVISED : 10-18-02
21.dgn		DRAWN :	REVISED : R. BORO 09-14-09
PLOT SCALE : 49,9999 1/ IN.		CHECKED :	REVISED :
PLOT DATE : 9/14/2009		DATE :	REVISED :

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 HB-1-2	COOK	44	43
TC-21		CONTRACT NO. 60P72		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME W:\distad\22x34\to22.dgn	USER NAME gaglione	DESIGNED -	REVISED R. MIRS 09-15-97
		DRAWN -	REVISED R. MIRS 12-11-97
		CHECKED -	REVISED -T. RAMMACHER 02-02-99
		DATE -	REVISED C. JUICIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0304.1 HB-1-2	COOK	44	44
TC-22			CONTRACT NO. 60P72	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				