FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS IMPROVEMENT IS LOCATED IN THE

VILLAGE OF JUSTICE AND THE VILLAGE OF

X18-1=17

OTTIL OF ILLINIOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

LOC. 1: FAU 3565: IL 171 (ARCHER AVE)

OVER US 45 SB RAMP TO I-294

LOC. 2: FAU 3593: MICHIGAN CITY RD

OVER I-94 (BISHOP FORD)

SECTION 2014-0741

COOK COUNTY

BRIDGE BEAM REPLACEMENT

C-91-094-15

TRAFFIC DATA

IL 171

DOLTON.

)

)

 \supset

2013 ADT = 7650 SPEED LIMIT = 45 MPH

US 45 SB RAMP

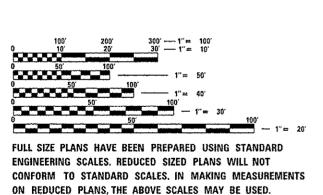
2013 ADT = 4900 SPEED LIMIT = 45 MPH

MICHIGAN CITY ROAD

2010 ADT = 9300 SPEED LIMIT = 35 MPH

1-94

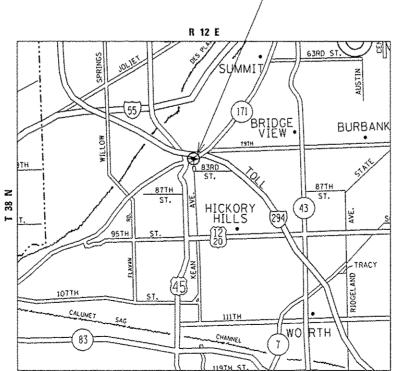
2013 ADT=122400 SPEED LIMIT=55 MPH



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

PROJECT ENGINEER: ALAIN MIDY (847) 221–3056 PROJECT MANAGER: ISSAM RAYAN (847) 705–4178

CONTRACT NO. 62A17



LYONS TOWNSHIP

LOCATION 1: SN 016-0209

IL 171 OVER US 45 SB RAMP TO 1-294



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

DEPUTY DIRECTOR OF DESIGN AND ENVIRONMENT OF DESIGN AND ENVIRONMENT OF DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

LOCATION OF SECTION INDICATED THUS: - -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

	1	COVER SHEET
	2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
	3	SUMMARY OF QUANTITIES
	4-6	SN 016-0209: TRAFFIC CONTROL & STAGING PLAN
	7	SN 016-0209: GENERAL PLAN & ELEVATION
	8	SN 016-0209: REPAIR DETAILS
	9	SN 016-0209: NEW BEAM DETAILS
¥	10	SN-016-0209: TEMPORARY SLAB-SUPPORT SYSTEM &
		BEARING DETAILS
	11	SN 016-0209: RAIL POST & EXPANSION JOINT DETAILS
	12	SN 016-0209: BAR SPLICER ASSEMBLY &
		MECHANICAL SPLICER DETAILS
	13	SN 016-1068: ELEVATION, PLAN, & FLANGE REPAIR DETAILS
	14	SN 016-1068: BEAM STRAIGHTENING DETAILS
	15	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
	16	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
	17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER
		CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
	18	ARTERIAL ROAD INFORMATION SIGN (TC-22)

* Deleted Sheet 10.

STATE STANDARDS

643001-02	SAND MODULE IMPACT ATTENUATORS
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWA
701401-09	LANE CLOSURE, FREEWAY/EXPRESSWAY
701423-08	LANE CLOSURE, MULTILANE WITH BARRIER,
	FOR SPEEDS > 45 MPH TO 55 MPH
701428	TRAFFIC CONTROL SETUP AND REMOVAL
	FREEWAY/EXPRESSWAY
701446-06	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, IW OR 2W
	WITH NONTRAVERSABLE MEDIAN
701901-04	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER

GENERAL NOTES (BRIDGE)

THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH TRAFFIC ON THE ROADWAY BENEATH THE BRIDGE ACCORDING TO ARTICLE 107.09 (or 107.12) OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAY ITEM INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONCRETE SUPERSTRUCTURE SHALL HAVE A SEVEN DAY MINIMUM CURE.

ALL VERTICAL CLEARANCE SIGNAGE, IF EXISTING, SHALL BE RESTORED TO THE CONDITION EXISTING PRIOR TO THE START OF WORK ASSOCIATED WITH THIS CONTRACT.

WHEN REMOVING THE EXISTING DAMAGED BEAM, THE CONTRACTOR SHALLTAKE

APPROPRIATE PRECAUTIONS TO ENSURE THAT THE DECK AND THE BEAM ARE PROPERLY

SUPPORTED DURING THE ENTIRE REMOVAL OPERATION SO AS TO PROTECT THE TRAFFIC

AND PAVEMENT ON AND BELOW THE BRIDGE. THE CONTRACTOR SHALL SUBMIT THE

REMOVAL SEQUENCE AND PROCEDURE TO THE ENGINEER FOR APPROVAL PRIOR TO

REMOVAL OF THE EXISTING DECK, DAMAGED BEAM OR CARRIER BEAM. THIS COST IS

INCLUDED IN THE COST OF "STRUCTURAL STEEL REMOVAL"

SLIPFORMING OF PARAPETS IS NOT ALLOWED.

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND CAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF JUSTCE AND DOLTON.

THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.

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 OUANTITY ACTUALLY FURNISHED BASED AT THE UNIT PRICE BID FOR THE WORK.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 (FOR ARTERIALS) AND (847)705-4155 (FOR EXPRESSWAYS) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE BRIDGE INSPECTORS.

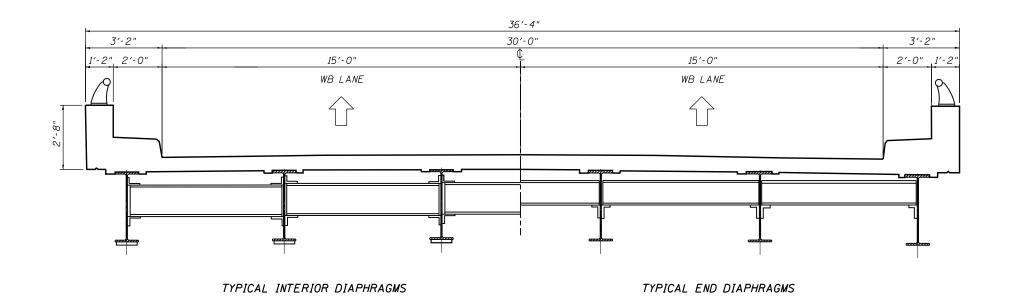
DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS/TOLLWAYS.

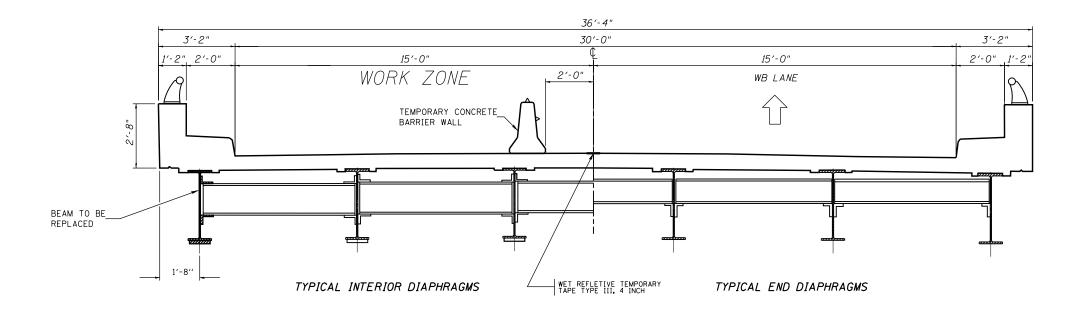
Rev.	2	-12	-15
VICK.		16	1

FILE NAME :	USER NAME = recegem	DESIGNED -	REVISEO -			F.A.	SECTION	COUNTY TOTAL SHEET
etip=_workip=idotirazegamid041888510109	15-eht-gennote.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	MINEY OF CHAPTE ATTEMPT TO A APPLE A MARKET	31.75	2014-0741	COOK 18 2
	PLOT SCALE . 100,0000 1/ 10.	CHECKED -	REVISED ~	DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, & GENERAL NOTES	1) FAIL 3565	2) £4U 3593	CONTRACT NO 62417
Osfault	PLOT DATE * 12/22/2014	DATE -	REVISED -		SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AL	Ø PROJECT

100% State 100% State CONSTRUCTION TYPE CODE CONSTRUCTION TYPE CODE URBAN URBAN SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES TOTAL 016-0209 016-1068 TOTAL 016-0209 016-1068 QUANTITIES LOC. 1 QUANTITIES LOC. 1 LOC. 2 LOC. 2 CODE NO ITEM UNIT CODE NO ITEM UNIT 0014 0014 0014 0014 REMOVE AND RE-ERECT EXISTING BRIDGE RAIL FOOT 80 80 PROTECTIVE COAT SO YD 46 42001300 46 50102400 CONCRETE REMOVAL CU YD 27 TRAFFIC CONTROL AND PROTECTION, (SPECIAL) 50300255 CONCRETE SUPERSTRUCTURE CU YD 25.2 25. 2 X7010410 SPEED DISPLAY TRAILER CAL MO TRAFFIC CONTROL AND PROTECTION 50500405 FURNISHING AND ERECTING STRUCTURAL STEEL 16200 X7011015 L SUM POUND 16200 1 (EXPRESSWAYS) WET REFLECTIVE TEMPORARY TAPE TYPE III. 50500505 STUD SHEAR CONNECTORS EACH 459 459 X7030030 FOOT 839 839 50800205 REINFORCEMENT BARS, EPOXY COATED POUND 1910 1910 ZQ001903 STRUCTURAL STEEL REMOVAL POUND 16200 16200 50800530 MECHANICAL SPLICERS EACH 270 270 20001905 STRUCTURAL STEEL REPAIR POUND 330 330 IMPACT ATTENUATORS (NON-REDIRECTIVE). 64300450 EACH 20003600 BEAM STRAIGHTENING L SUM TEST LEVEL 3 ENGINEER'S FIELD OFFICE. TYPE A 67000400 CAL MO 3 2 1 Z0030850 TEMPORARY INFORMATION SIGNING SO FT 51.4 51.4 67100100 MOBILIZATION L SUM 0.5 0.5 20073351 TEMPORARY SLAB SUPPORT SYSTEM 70200100 NICHTTIME WORK ZONE LIGHTING 0.5 0.5 t SUM 260 70301000 WORK ZONE PAVEMENT MARKING REMOVAL SO FT 280 280 70400100 TEMPORARY CONCRETE BARRIER FOOT 162.5 162.5 78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT 182 182 BARRIER WALL MARKERS, TYPE C 78200530 EACH 14 14 *Specially Hems 78300100 PAVEMENT MARKING REMOVAL SO FT 60.7 Rev. FILE NAME : USER NAME : razonam DESIGNED -REVISED STATE OF ILLINOIS ci/pw_xor2\pwldof\razagani\d048065\Di0945-sht-p DRAWN REVISED SUMMARY OF QUANTITIES CHECKED -REVISED DEPARTMENT OF TRANSPORTATION PLOT DATE + 12/18/2014 DATE REVISED -SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

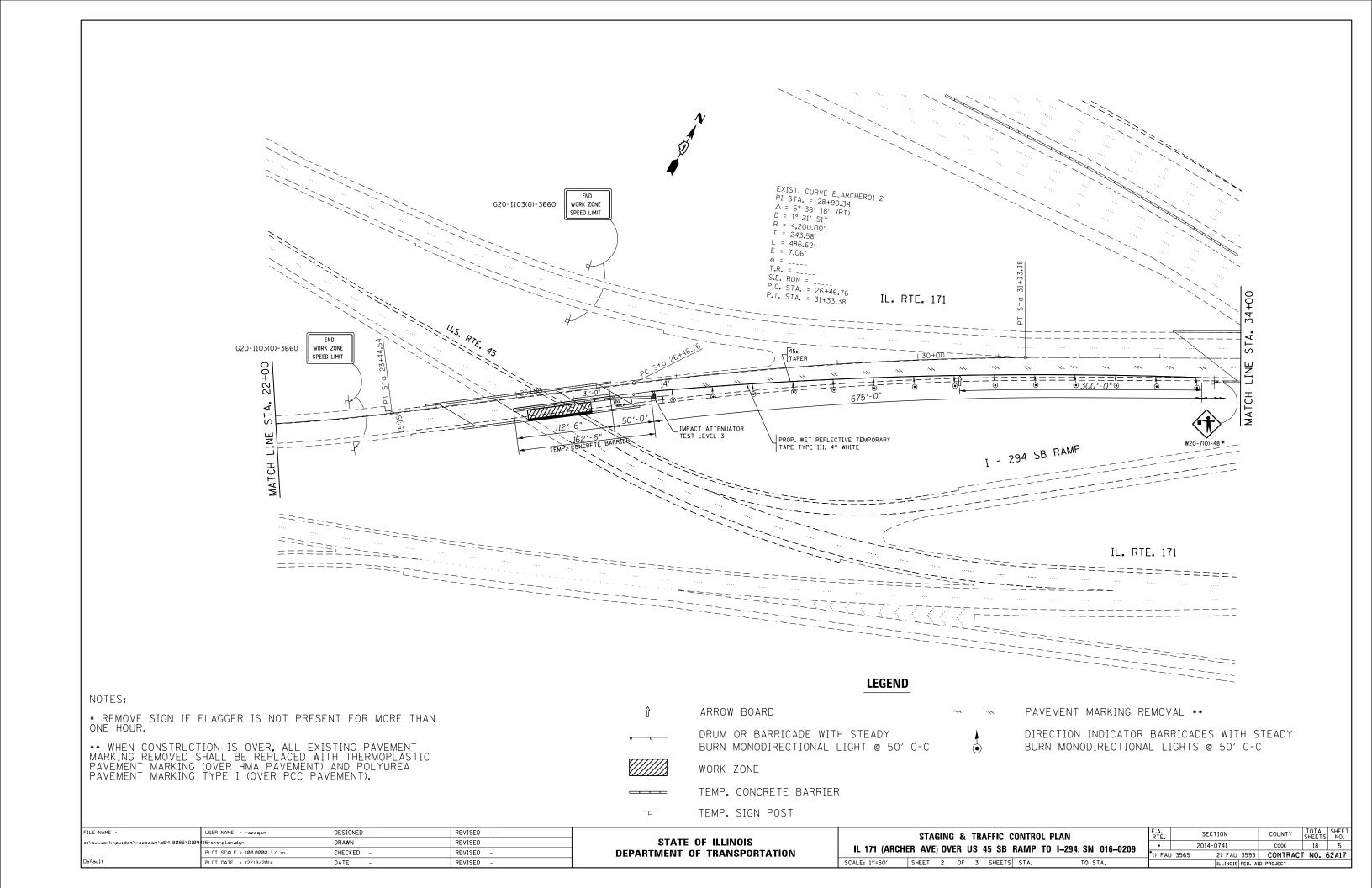


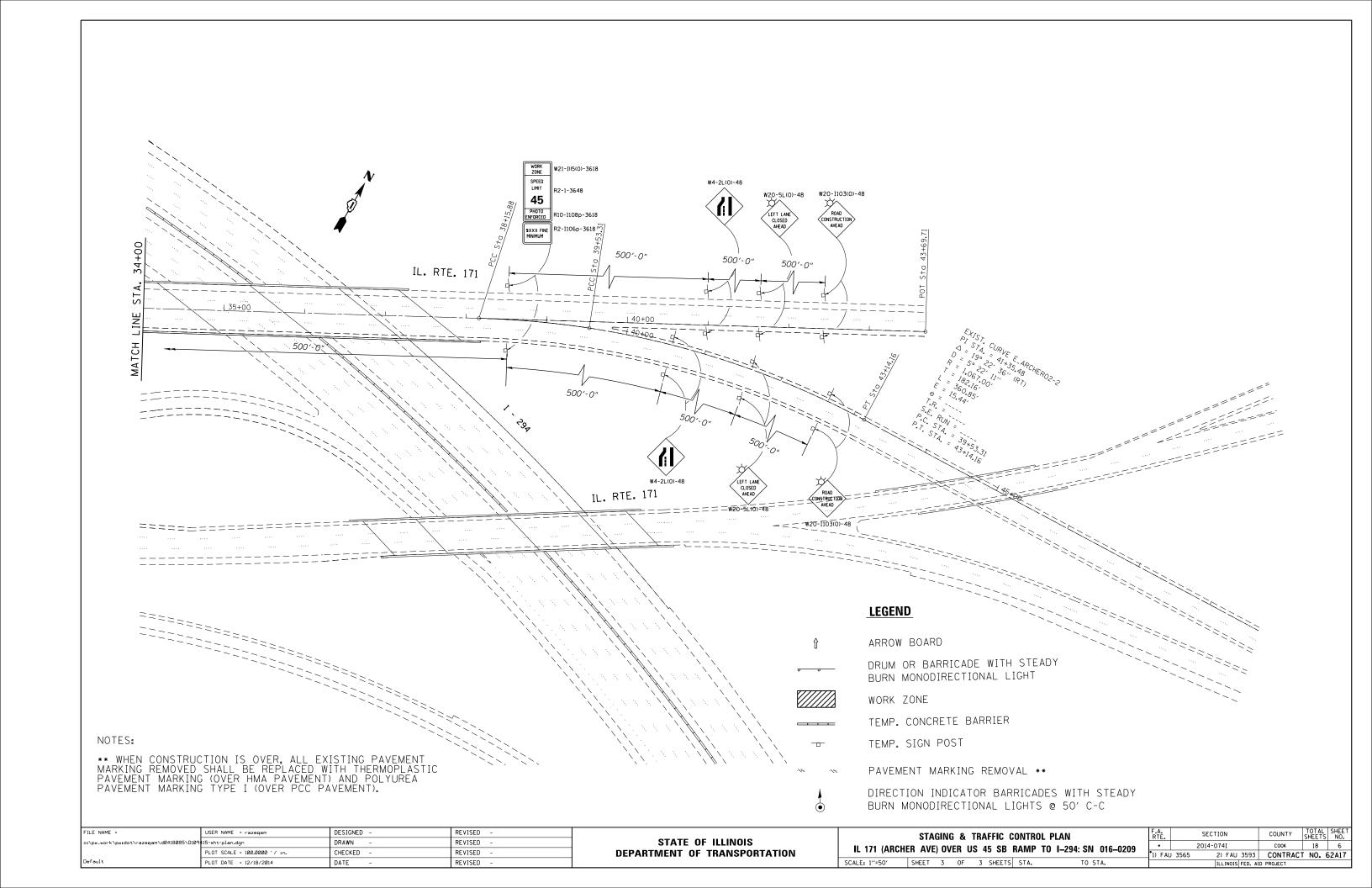
<u>EXISTING</u> <u>CROSS SECTION</u>

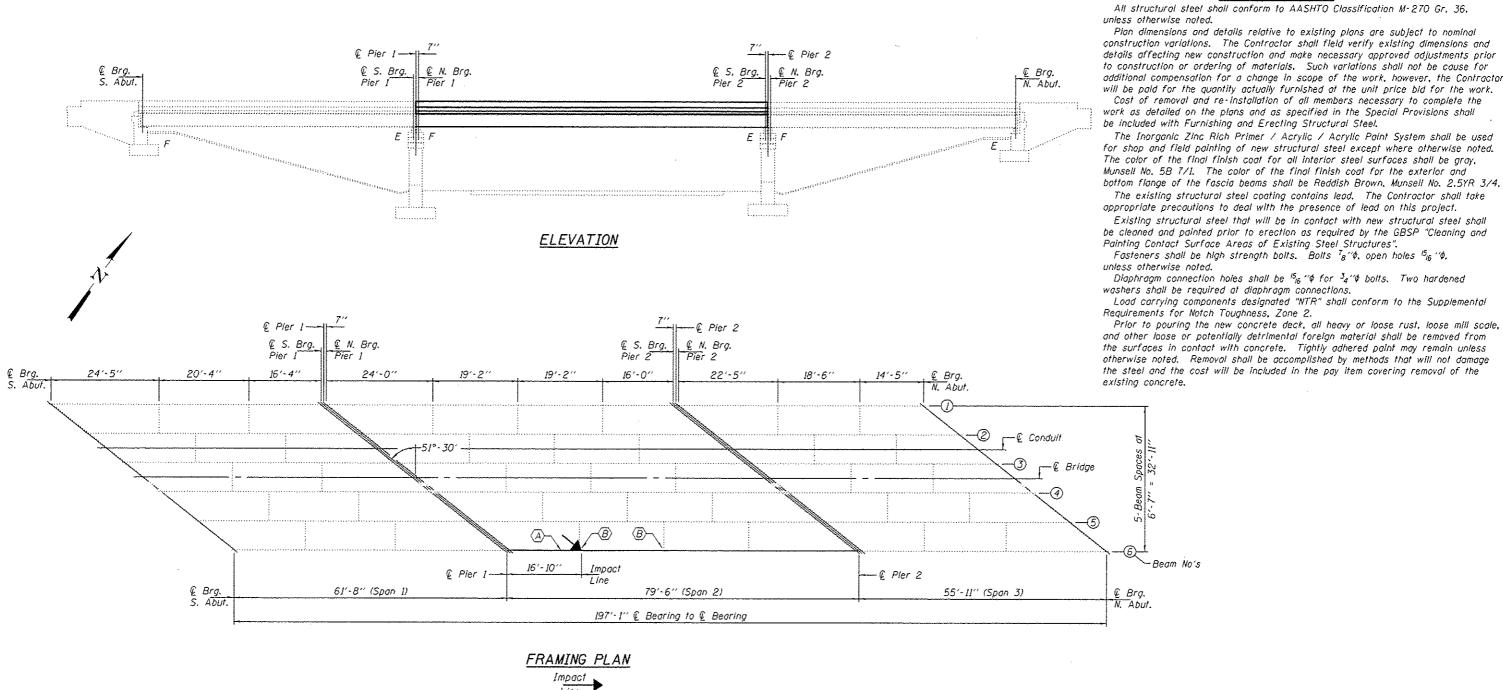


<u>STAGING</u>

FILE NAME =	USER NAME = razeqam	DESIGNED -	REVISED -		STAGING & TRAFFIC CONTROL PLAN – TYPICAL SECTIONS	F.A. RTF.	SECTION	COUNTY	TOTAL S	HEET NO.
c:\pw_work\pwidot\razeqam\d0418085\D10	9415-sht-plan.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	IL 171 (ARCHER AVE) OVER US 45 SB RAMP TO I-294: SN 016-0209	•	2014-074I	соок	18	4
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	IL 1/1 (ANCHEN AVE) UVEN US 43 30 NAIMP TO 1-234. 314 UTO-0209	1) FAU 3565	2) FAU 3593	CONTRACT	F NO. 67	2A17
Default	PLOT DATE = 12/18/2014	DATE -	REVISED -		SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		-







- (A) Remove & Replace Existing Beam
- $\langle \overline{B} \rangle$ Remove & Replace Bottom Clip Angles

DAVID CARL PUZEY 081-005470 SPRINGFIELD ILLINOIS

Expires: November 30, 2016

DESIGNED - Con F. Charge UN EXAMINED CHECKED our J. Schneller CHECKED -

PASSED

JANUARY 20, 2015 REVISED REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN & ELEVATION ILLINOIS ROUTE 171 - ARCHER AVENUE (WB) OVER RAMP A SN 016-0209 SHEET NO. 1 OF 6 SHEETS

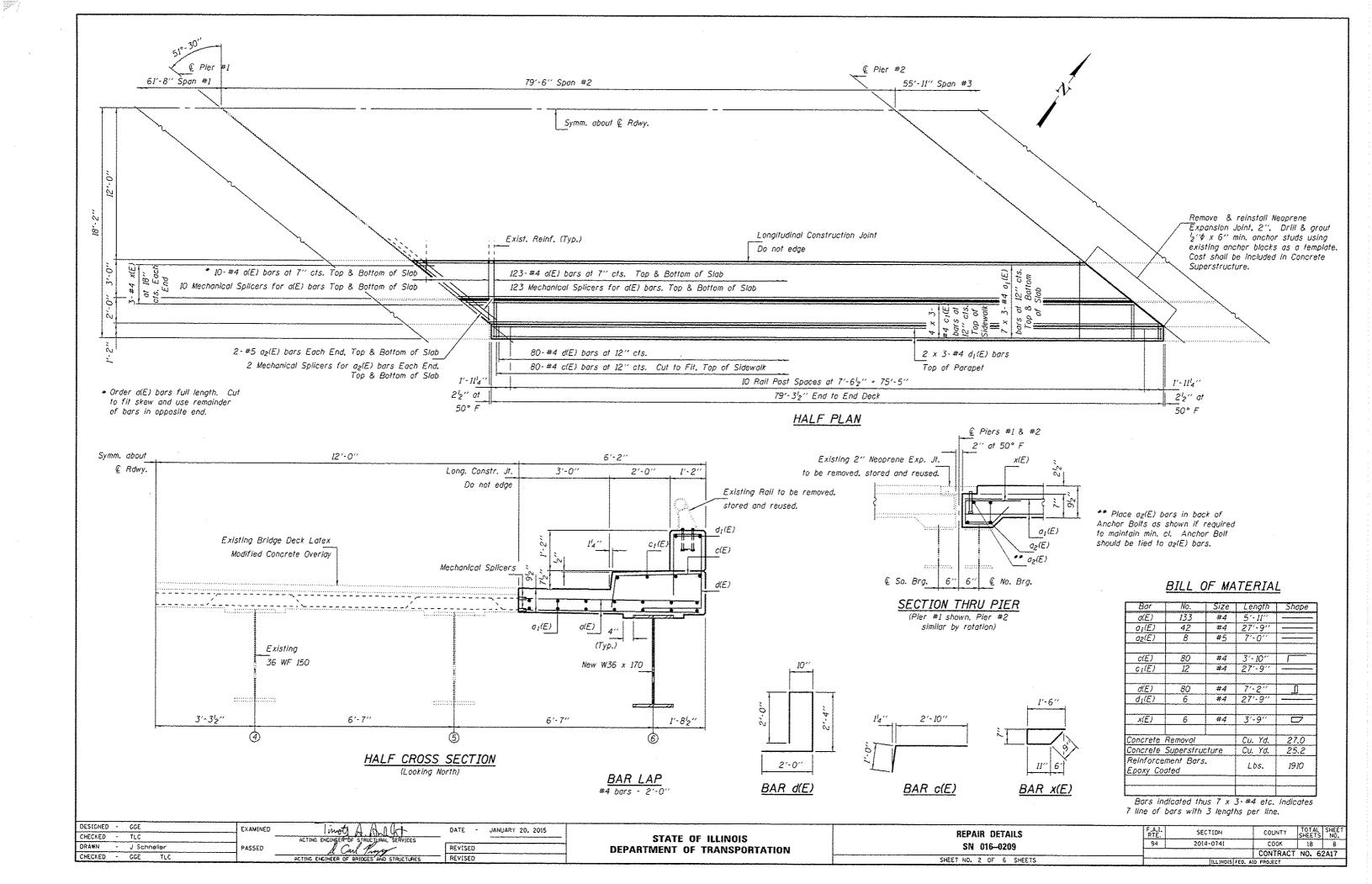
SECTION COUNTY 94 2014-0741 COOK CONTRACT NO. 62A17

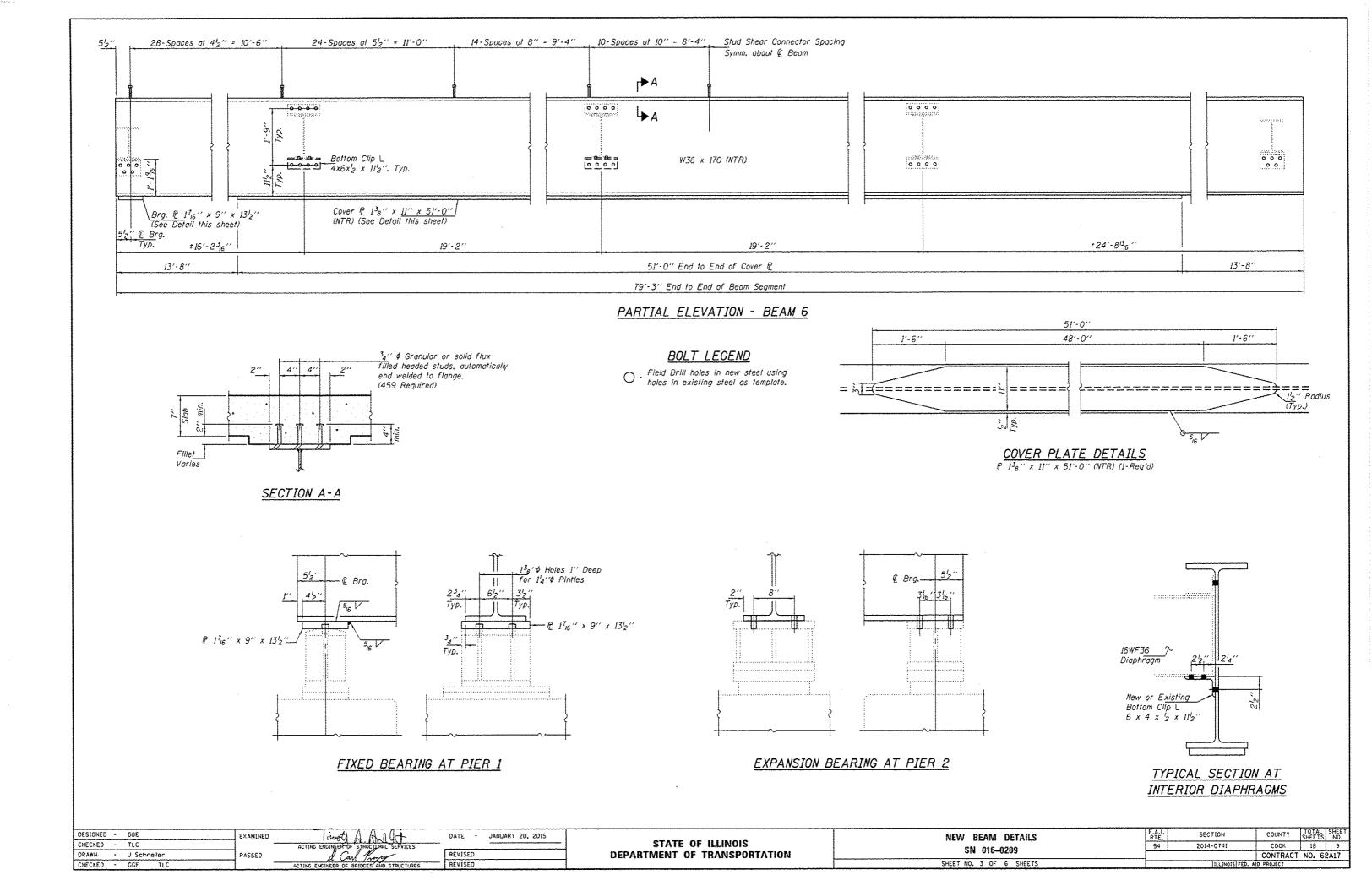
TOTAL BILL OF MATERIAL

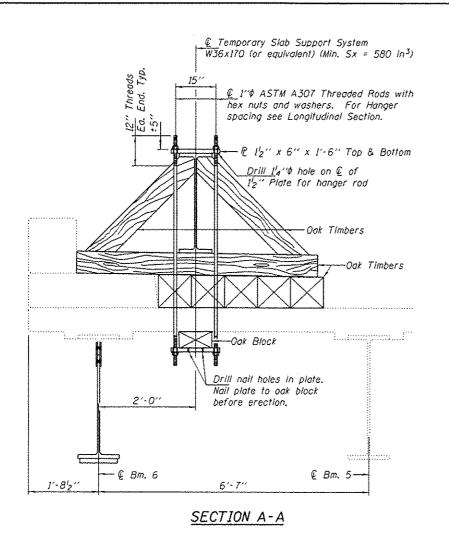
GENERAL NOTES

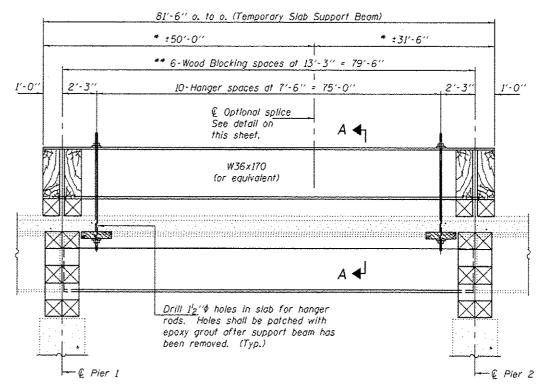
ITEM	UNIT	OUANTITY
Structural Steel Removal	Pound	16.200
Furnishing & Erecting Structural Steel	Pound	16.200
Stud Shear Connectors	Each	459
Concrete Superstructure	Cu. Yd.	25.2
Concrete Removal	Cu. Yd.	27.0
Reinforcement Bars, Epoxy Coated	Pound	1910
Protective Coat	Sq. Yd.	45,7
Mechanical Splicers	Each	270

* On new concrete only.



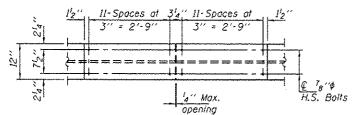




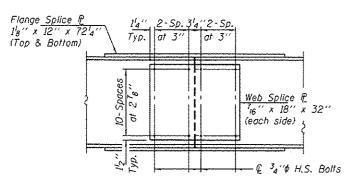


LONGITUDINAL SECTION SUGGESTED TEMPORARY SLAB SUPPORT SYSTEM

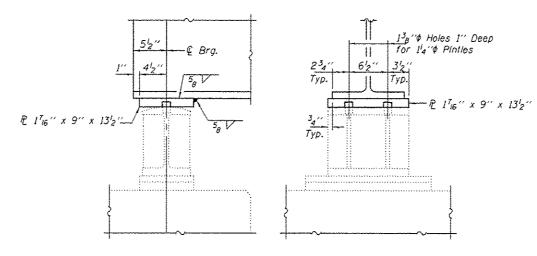
- * These dimensions may vary for available beams in stock.
- ** Wood Blocking between supports to be placed after support beam deflects under its own weight.



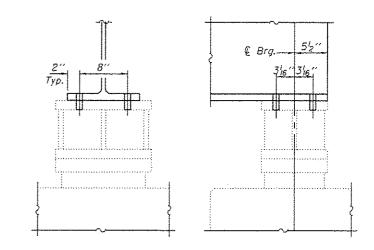
FLANGE SPLICE PLATE



WEB SPLICE PLATE



FIXED BEARING AT PIER 1



EXPANSION BEARING AT PIER 2

DESIGNED		GGE	EXAMINED	limets A A a lite	DATE -	JANUARY 20, 2015
CHECKED	~	TEC		ACTING ENGINEER OF STRUCTURAL SERVICES		
DRAWN	*	J Schneller	PASSED	d Carl Proger	REVISED	
CHECKED	-	GGE TLC		ACTING ENDINEER OF BRIDGES AND STRUCTURES	REVISED	

STATE	OF	ILLINOIS	
DEPARTMENT	OF	TRANSPORTATION	

TEMPORARY SLAB SUPPORT SYSTEM & BEARING DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SN 016-0209	94	2014-0741	COOK	18	10
			CONTRACT	NO. 6	2A17
SHEFT NO. 4 OF 6 SHEFTS	_	Tru mareless M	C COA PCY		

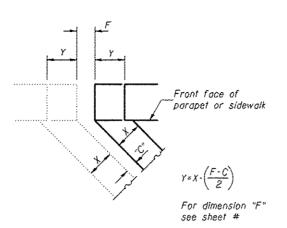
INSTALLATION NOTES

- Reinstall continuous seal in roadway, parapet, curb. and sidewalk.
- Reinstall anchor blocks as indicated,

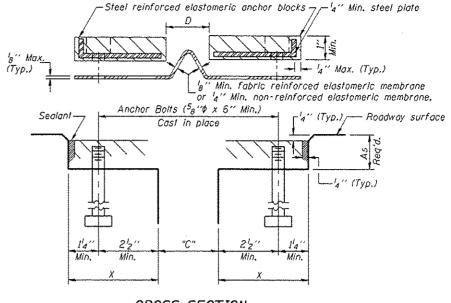
NOTE A: Maximum spacing of anchor bolts shall be 12"

SKEW LIMITATIONS

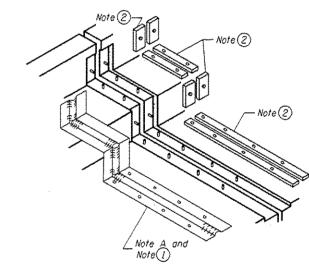
The details of the anchor blocks and the elastomeric membrane in the parapet, as shown, are for up to 50° skews. For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed according to dimension "D". might require modifications to insure a minimum clearance of $I_2^{\prime\prime\prime}$ from centerline of anchor studs to edge of parapet opening. The anchor blocks and the elastomeric membrane shall also be installed to the top of the parapet with the anchor study spaced at ±12" ets.



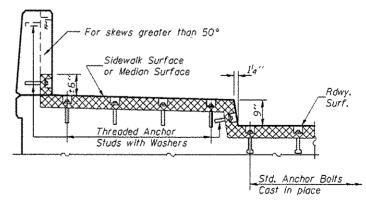
FORMING BLOCKOUT SKETCH



CROSS SECTION

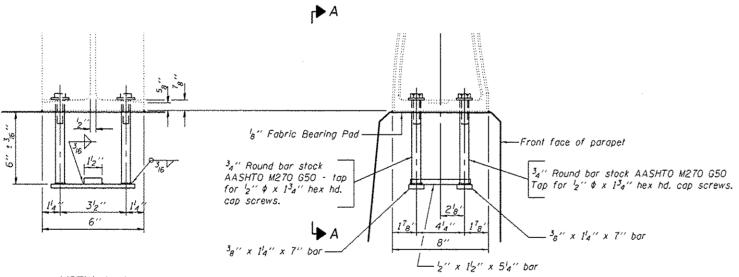


AT SIDEWALK OR MEDIAN



AT SIDEWALK OR MEDIAN TYPICAL END TREATMENTS

RAIL



SECTION A-A

VIEW A-A

RAIL POST DETAILS

All Posts shall be normal to parapet. All joints in rail shall be spliced per detail. All exposed rail ends shall be capped per

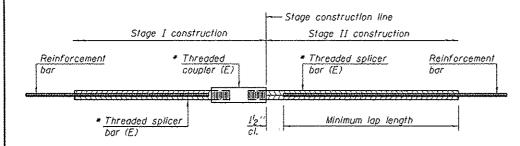
shall be parallel to Grade-high spots will be ground and low spots shimmed. See sheet of for roll post spacing.

Provide 1- $^{l}_{8}$ " and 2- $^{l}_{16}$ " Aluminum Shims for 25% of the Posts. Rail elements

DESIGNED	-	GGE	EXAMINED	limote A R. O. Cot	DATE	•	JANUARY 20, 2015
CHECKED	-	TLC		ACTING ENGINGER OF STRUCTURAL SERVICES			
DRAWN	-	J Schneller	PASSED	d Carl Program	REVISE	10	
CHECKED	-	GGE TLC	1.	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISE	0	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

POST AND EXPANSION JOINT DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
SN 016-0209	94	2014-074[COOK	18	11
011 010-0203			CONTRACT	NO. 6	2A17
SHEFT NO. 5 OF 6 SHFETS		His Indicion A	0.000 (507		



STANDARD BAR SPLICER ASSEMBLY

		Minim	num Lap Len	gths		
Bar size to be spliced	Table I	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11''	2'-1"	2'-4''	2'-7"	2'-11"
5	1'-9''	2'-5"	2'-7"	2'-11''	3'-3''	3'-8''
6	2'-1"	2'-11''	3'-1"	3'-6"	3'-10''.	4'-5"
7	2'-9"	3'-10''	4'-2"	4'-8''	5'-2"	5'-10"
8	3'-8''	5'-1"	5′-5′′	6'-2"	6'-9''	7'-8''
9	4'-7''	6'-5"	6'-10''	7'-9"	8'-7"	9'-8''

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

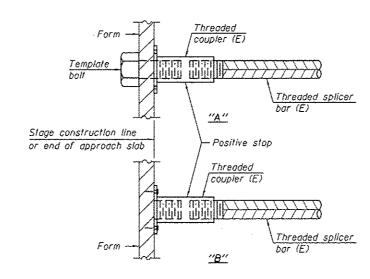
Table 5: Epoxy bar, Class C

Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + $I_2^{\prime\prime}$ + thread length

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

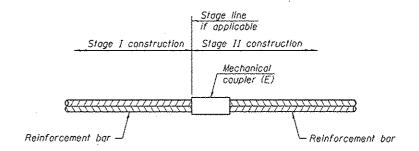
Location	Bar size	No. assemblies required	Table for minimum lap length
		<u> </u>	<u> </u>



INSTALLATION AND SETTING METHODS

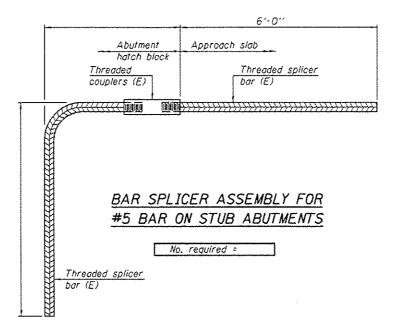
"A": Set bar splicer assembly by means of a template bolt,
"B": Set bar splicer assembly by nailing to wood forms or
cementing to steel forms.

(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Slab	#4	270
 	<u> </u>	
· · · · · · · · · · · · · · · · · · ·	 	-
		



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 approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

8-31-12

DESIGNED	-	CGE	EXAMINED	limote A ALIGH	DATE -	JANUARY 20, 2015
CHECKED	-	TLC		ACTING ENGINEER OF STRUCTURAL SERVICES		
DRAWN	-	J Schneller	PASSED	A Carl France	REVISED	
CHECKED	•	CGE TLC		ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

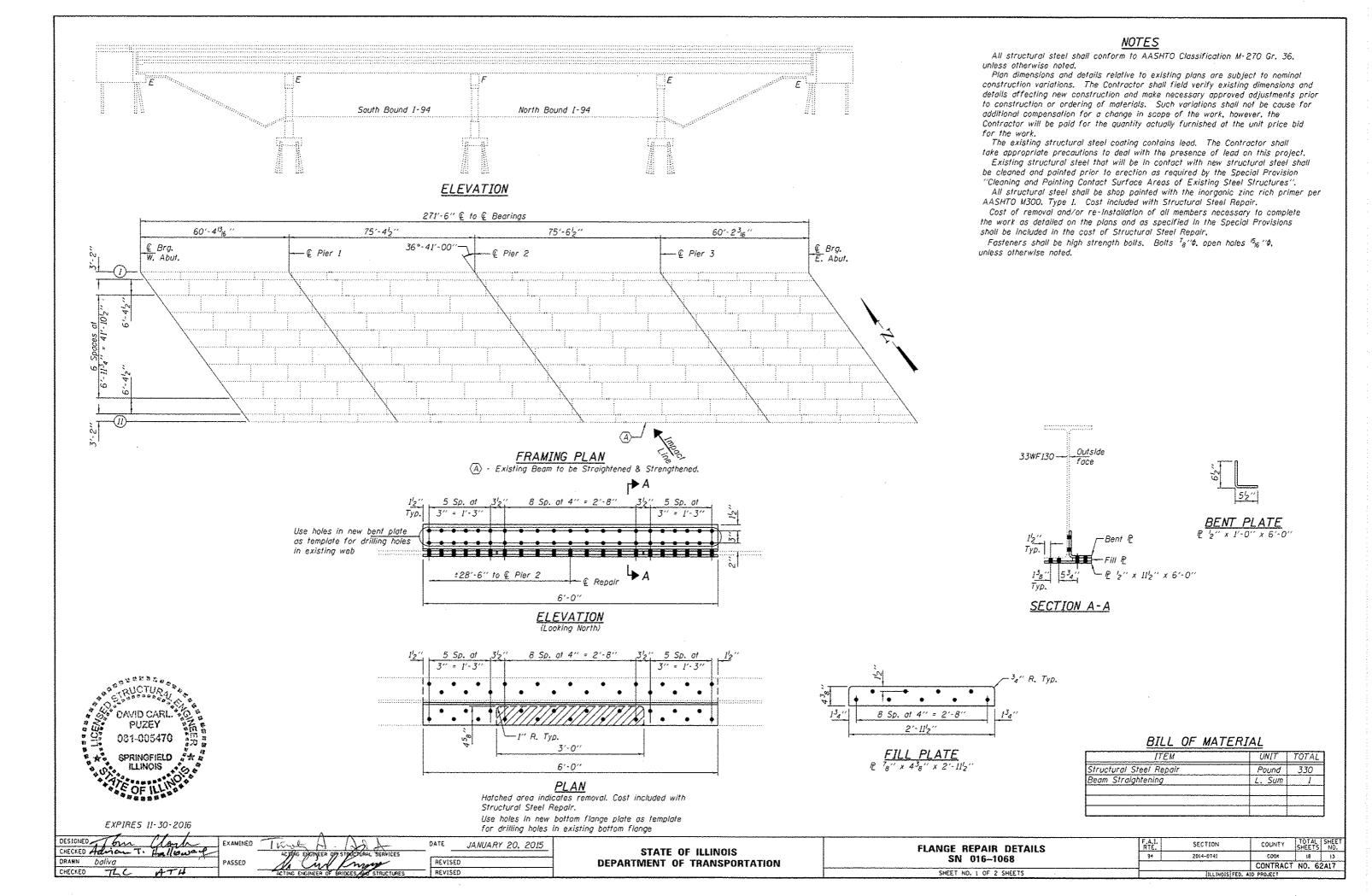
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

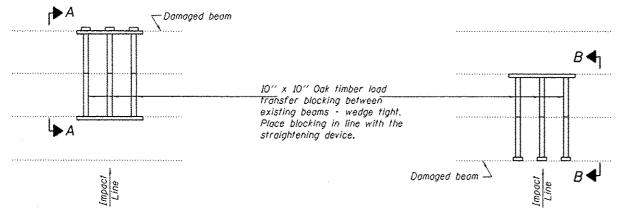
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS

SN 016-0209

SHEET NO. 6 OF 6 SHEETS

F.A.I. SECTION COUNTY SHEETS NO.
94 2014-0741 COOK 18 12
CONTRACT NO. 62A17





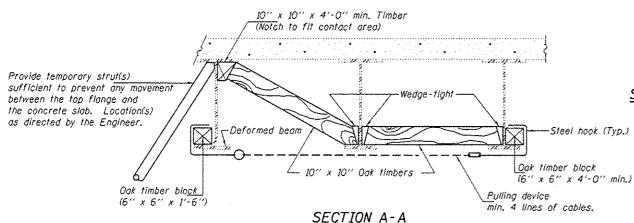
PULLING DEVICE

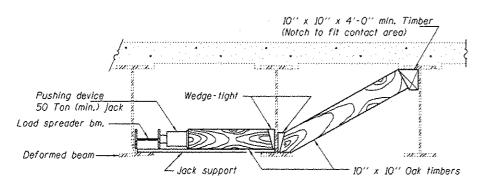
PARTIAL PLANS

PUSHING DEVICE

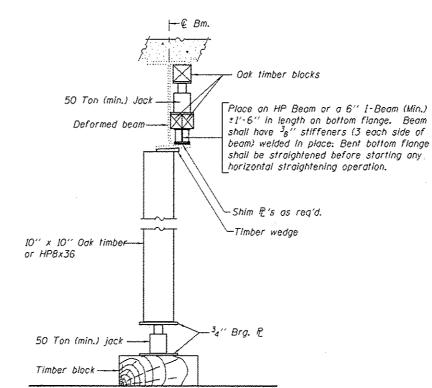
SUGGESTED BEAM STRAIGHTENING METHODS

Straightening force shall be maintained on all lead transfer blocking during beam straightening.



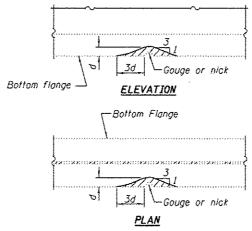


SECTION B-B



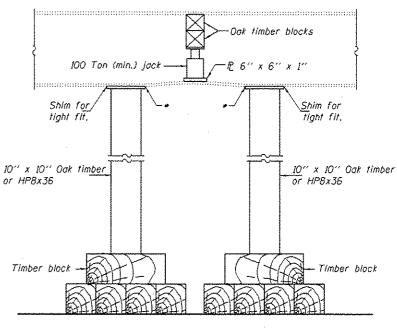
SUGGESTED VERTICAL STRAIGHTENING DETAIL

(To correct flange rotation.)



GRINDING DETAIL

Grind existing nicks, gouges and shallow cracks in the damaged beams as detailed. Ground surfaces shall be inspected for cracks using magnetic particle testing prior to initiating any beam straightening operations. Any cracks that cannot be removed by grinding approximately '4" deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. Ground surfaces shall be spot cleaned and painted with an aluminum epoxy mastic primer followed by a finish coat to match the color of the existing beam. Cost of grinding, testing and spot painting included with Beam Straightening.



SUGGESTED VERTICAL STRAIGHTENING DETAIL

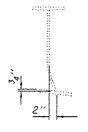
(To correct localized vertical flange deformations.)

* Edge of plate shall line up with edge of deformation.

Note

operations.

Braces and jack assembly shall be placed on same side of web. Bent bottom flange shall be straightened before starting any horizontal straightening



EXISTING DEFORMATION TO BE STRAIGHTENED

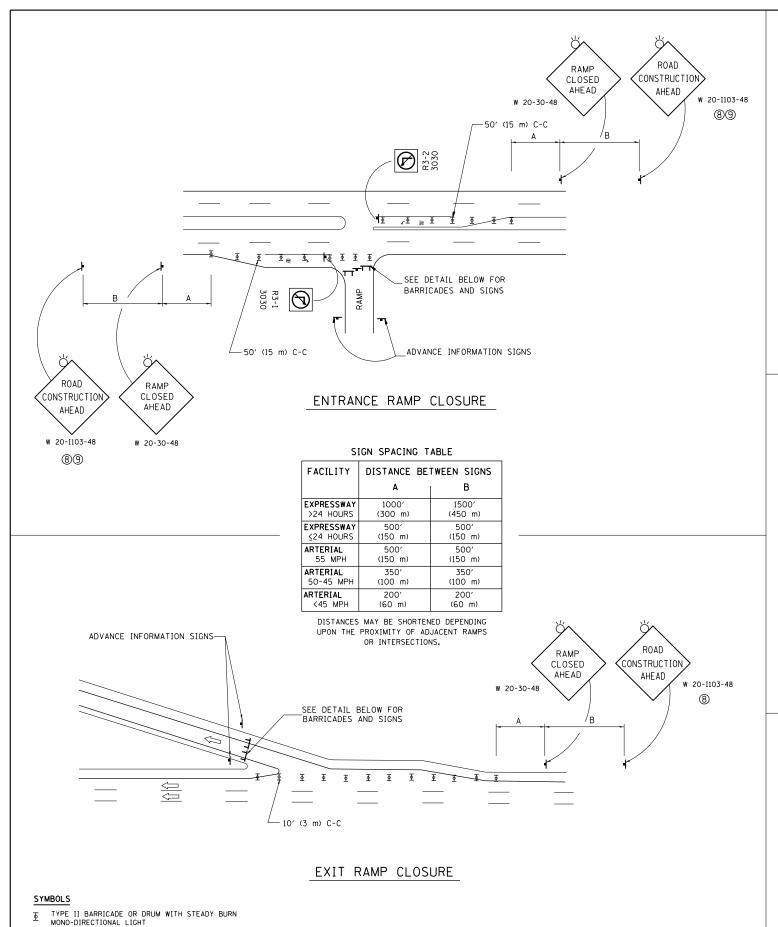
(Looking East)
(Approximate max. deflections)
Deflected length of beam to be
straightened is approximately 6'.

REP-1	1-14-8	2005

DESIGNED	TLC	EXAMINED	Tint A A a A i	DATE	JANUARY 20, 2015	T
CHECKED	ATH		ACTING ENGINEER OF STRUCTURAL SERVICES		0/11/0/11/11 EO; E010	ł
DRAWN	baliva	PASSED	I Carl Prover	REVISED		1
CHECKED	TLC ATH		ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED		1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM STRAIGHTENING DETAILS SN 016-1068 A.I. SECTION COUNTY TOTAL SHEETS NO.
94 2014-0741 COOK 18 14
CONTRACT NO. 62A17



TYPE III BARRICADE WITH 2 FLASHING LIGHTS

TYPE III BARRICADES TYPE III

DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE INFORMATION SIGN

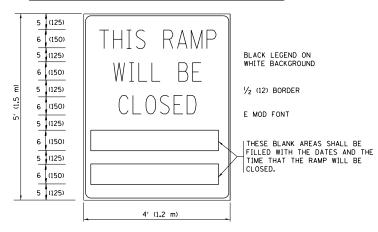
ENTIRE TO SED TO

BLACK LEGEND ON ORANGE

RAMP CLOSURE ADVANCE WARNING SIGN

BACKGROUND MOUNTED
DIAGONALLY
E MOD FONT
1 (25) BORDER
SIGNS ARE REQUIRED ON ALL THE EXIT

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

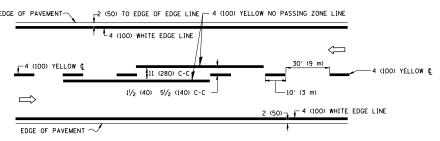
GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II
 BARRICADES DURING DAY OPERATIONS. CONES SHALL BE
 A MINIMUM OF 28 (700) HIGH.
- 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, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- (5) THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

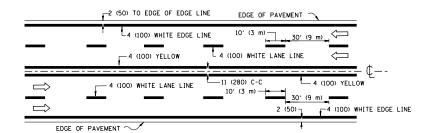
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- (7) THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS, ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS 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.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

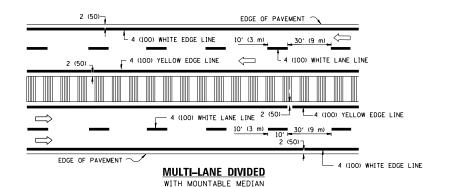
FILE NAME =	USER NAME = razeqam	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06		ENTRANCE AND EXIT RAMP	F.A.	SECTION	COUNTY	TOTAL	SHEET
c:\pw_work\pwidot\razeqam\d0418085\D109	9 15-sht-plan.dgn	DRAWN -	REVISED - S.P.B. 01-07	STATE OF ILLINOIS		•	2014-074I	соок	18	15
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED - S.P.B. 12-09	DEPARTMENT OF TRANSPORTATION	CLOSURE DETAILS		TC-08	CONTRACT	NO. E	2A17
Default	PLOT DATE = 12/18/2014	DATE - 02-83	REVISED - M.D. 06-13		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	*1)F ALL 35		ID PROJECT		



2-LANE ROADWAY

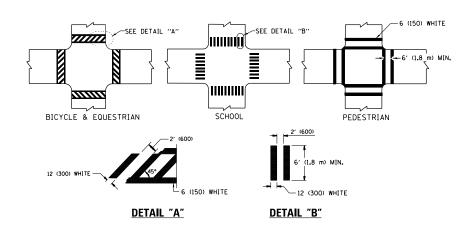


MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING

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

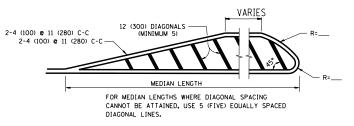


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

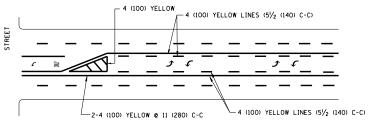
2-4 (100) YELLOW © 11 (280) C-C NO DIAGONALS 4' (1.2 m) OUTSIDE TO OUTSIDE OF LINES 2-4 (100) YELLOW © 11 (280) C-C

4' (1.2 m) WIDE MEDIANS ONLY

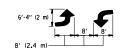


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C (30MPH (50 km/h) T0 45MPH (70 km/h))
150' (45 m) C-C (MDR THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

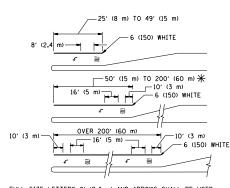


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR.
ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



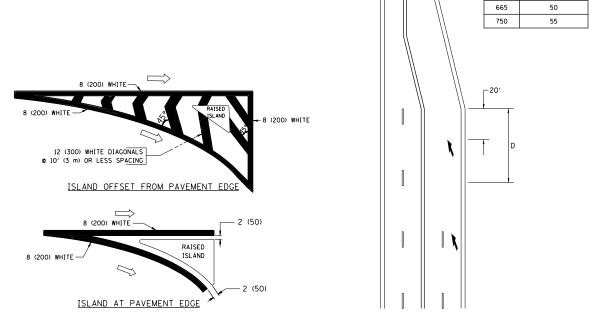
THE SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

A AREA = 15.6 SO. FT. (1.5 m²) ONLY AREA = 20.8 SO. 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



TYPICAL ISLAND MARKING

LANE REDUCTION TRANSITION

D(FT)

345

425

500

580

SPEED LIMIT

35

40

45

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

			GREATER OR WHEN SPECIFIED IN PLANS.					
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 e 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				
DOTTED 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' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL				
TWO WAY LEFT TURN MARKING	2 & 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL				
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EOUESTRIAN) 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 5EE TYPICAL CROSSWALK MARKING DETAILS.				
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1,2 m) IN ADVANCE OF AND PARALLEL TO CROSSMALK, 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.				
GORE 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"2-3.6 SO. FT. (0.33 m²) EACH "X"=54.0 SO. FT. (5.0 m²)				
SHOULDER DIAGONALS	12 (300) e 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (0VER 45MPH (70 km/h))				

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

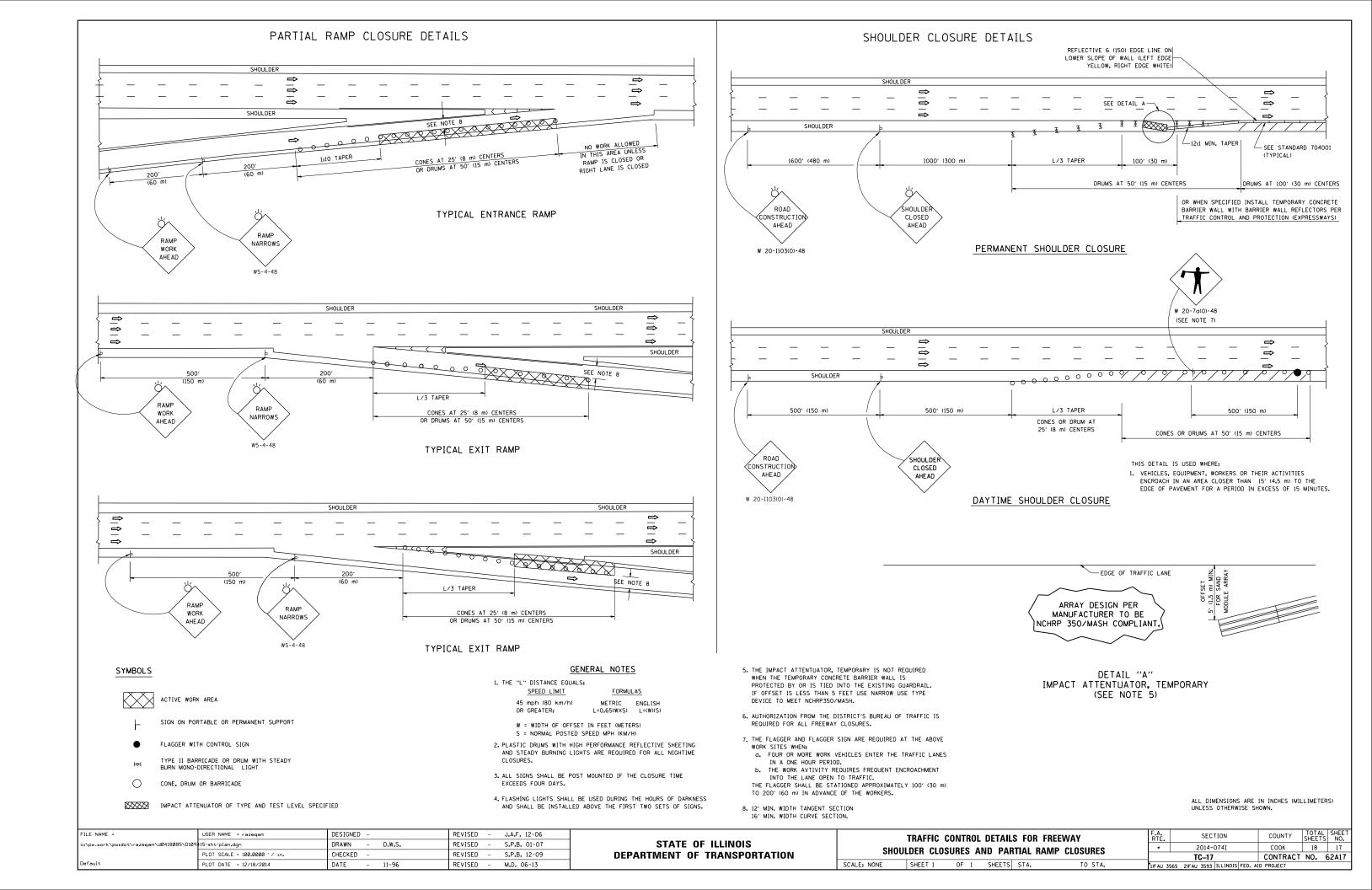
SCALE: NONE

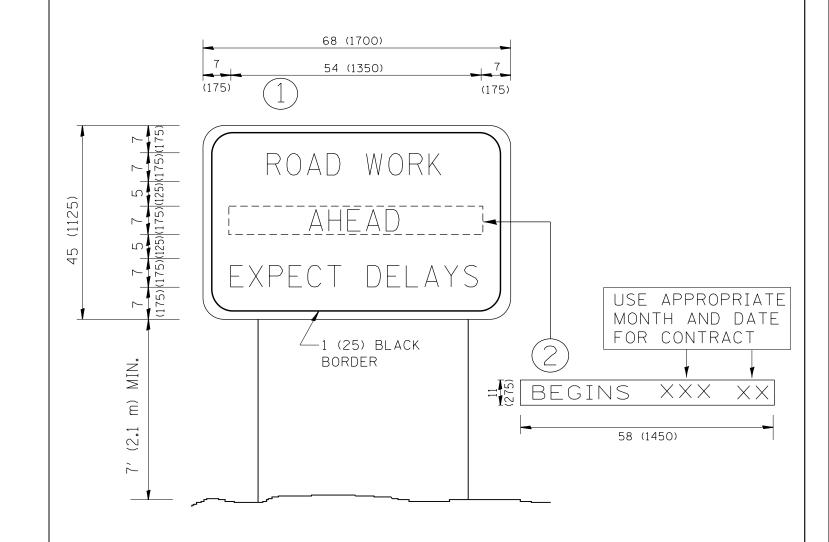
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = razeqam	DESIGNED - EVERS	REVISED	-T. RAMMACHER 10-27-94
c:\pw_work\pwidot\razeqam\d0418085\D109	15-sht-plan.dgn	DRAWN -	REVISED	- C. JUCIUS 09-09-09
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED	- C. JUCIUS 07-01-13
Default	PLOT DATE = 12/18/2014	DATE - 03-19-90	REVISED	-

STATE	E 01	F ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

	DISTRICT ONE TYPICAL PAVEMENT MARKINGS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
					•	2014-0741	соок	18	16		
						TC-13	CONTRACT	NO.	62A17		
	SHEET 1	OF	1	SHEETS	STA.	TO STA.	DEAU 35	65 21EAU 3593 TH INDIS FED. A	D 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 =	USER NAME = razeqam	DESIGNED -	REVISED - R. MIRS 09-15-97	·	ARTERIAL ROAD	F.A. RTF.	SECTION	COUNTY S	TOTAL SHEET
c:\pw_work\pwidot\razeqam\d0418085\D10	9415-sht-plan.dgn	DRAWN -	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS	INFORMATION SIGN	•	2014-074I	соок	18 18
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION	INFURIMATION SIGN		TC-22	CONTRACT N	NO. 62A17
Default	PLOT DATE = 12/18/2014	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA. TIPFAU 35		65 2)FAU 3593 ILLINOIS FED. AI	D PROJECT	