

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	1
		ILLINOIS	CONTRACT NO. 60W58	

D-91-341-13

FOR INDEX OF SHEETS, SEE SHEET NO. 2

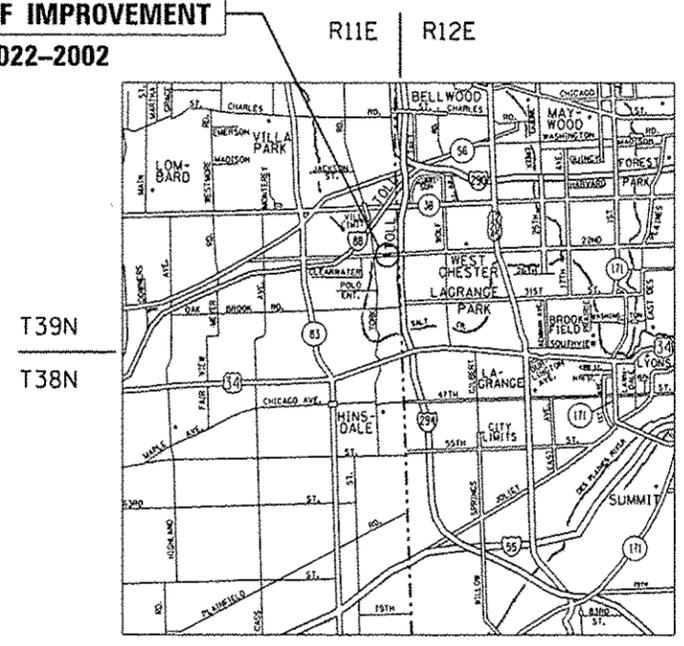
IMPROVEMENT IS LOCATED IN
THE VILLAGE OF OAK BROOK

TRAFFIC DATA
 2012 ADT = 25,500
 POSTED SPEED = 40 MPH

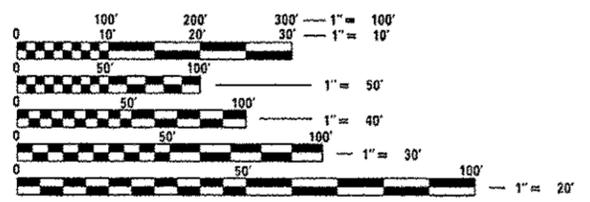
**FAU 1453: 22nd STREET (CERMAK ROAD)
 OVER E-W CONNECTOR (I-88 & I-294 RAMPS)
 SECTION T-6-23-1-2
 BRIDGE REPAIRS
 DUPAGE COUNTY**
 C-91-341-13



LOCATION OF IMPROVEMENT
SN 022-2002



YORK TOWNSHIP



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

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

PROJECT ENGINEER: J. ALAIN MIDY (847)-221-3056
 PROJECT MANAGER: ISSAM RAYYAN (847)-705-4178

GROSS LENGTH = 318.00 FT. = 0.06 MILE
 NET LENGTH = 318.00 FT. = 0.06 MILE

CONTRACT NO. 60W58

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 4, 2014

 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 21, 2014
 John D. Baranzelli, PE, BS
 acting ENGINEER OF DESIGN AND ENVIRONMENT
March 21, 2014
 Omer Osman, PE, BS
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-10	STRUCTURE PLANS
11-15	STAGING PLANS
16	FINAL PAVEMENT MARKINGS
17	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
18	TYPICAL PAVEMENT MARKINGS (TC-13)
19	ARTERIAL ROAD INFORMATION SIGN (TC-22)

HIGHWAY STANDARDS

635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
643001-01	SAND MODULE IMPACT ATTENUATORS
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701427-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS LESS THAN OR EQUAL TO 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-03	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF OAK BROOK.

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

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

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

THE ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT (847)-741-9857 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

GENERAL NOTES (BRIDGE)

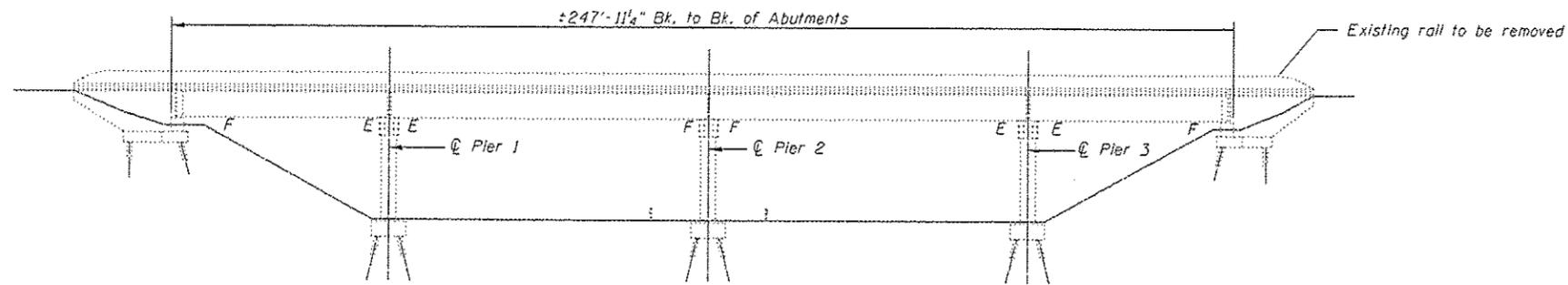
THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH TRAFFIC ON THE ROADWAY BENEATH THE BRIDGE ACCORDING TO ARTICLE 107.09 (or 107.12) OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT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

THE CONTRACTOR SHALL SALVAGE AND RETURN THE EXISTING BRIDGE RAIL TO:

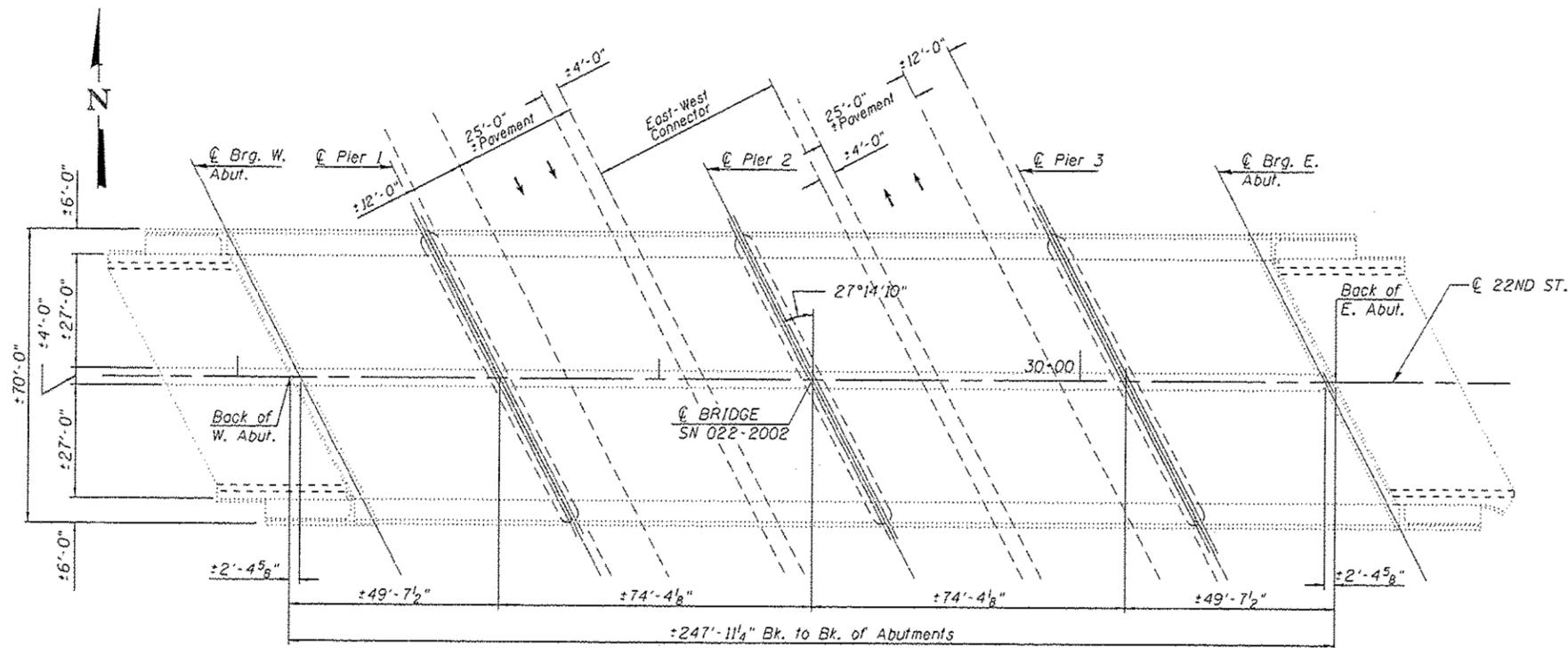
DISTRICT BRIDGE OFFICE
1101 BIESTERFIELD RD.
ELK GROVE VILLAGE, IL 60007

CONTACT SHAKER ASFOUR AT (847) 965-1501. THIS WORK SHALL INCLUDE REMOVING, TRANSPORTING AND UNLOADING THE EXISTING BRIDGE RAIL TO THE ABOVE YARD WHICH COST IS INCLUDED IN THE COST OF "CONCRETE SUPERSTRUCTURE".

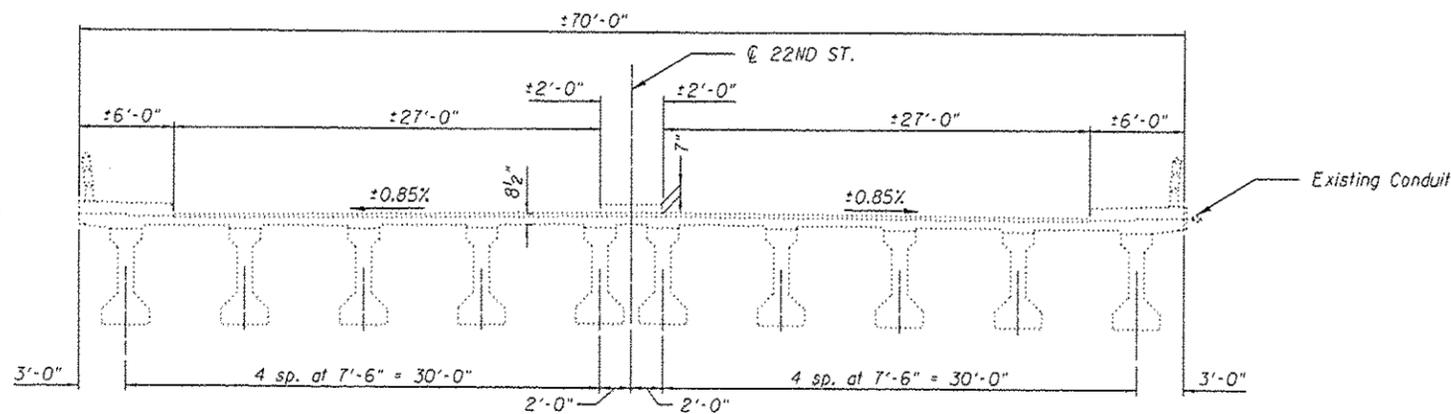
FILE NAME *	USER NAME * hardnetbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	22ND ST. OVER E-W CONNECTOR (I-88 & I-294 RAMPS) INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-pw-work\p1dot\hardnetbr\0346961\0346961-113-shc-plan.dgn	DRAWN -	REVISED -	1453			T-6-23-1-2	DUPAGE	19	2	
PLOT SCALE * 100.0000 1" = 10'	CHECKED -	REVISED -	CONTRACT NO. 60W58							
Default	PLOT DATE * 2/10/2014	DATE -	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



ELEVATION



PLAN



**CROSS SECTION
(LOOKING EAST)**

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

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 based at the unit price bid for the work.

Concrete Superstructure shall have a seven day minimum cure.

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

The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

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

Protective coat shall be applied at top and front face of parapets and at all new joints and repair locations.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	2.6
Concrete Superstructure	Cu. Yd.	47.4
Protective Coat	Sq. Yd.	208
Reinforcement Bars, Epoxy Coated	Pound	7,580
Bridge Fence Rolling	Foot	566
NEOPRENE EXPANSION JOINT 2"	Foot	37
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	240
Deck Slab Repair (Partial)	Sq. Yd.	16

DAVID CARL PUZEY
 081-005470
 SPRINGFIELD ILLINOIS
 Expires 11/30/14

DESIGNED - RAD (1/21/14)
 CHECKED - AM (1/21/14)
 DRAWN -
 CHECKED -

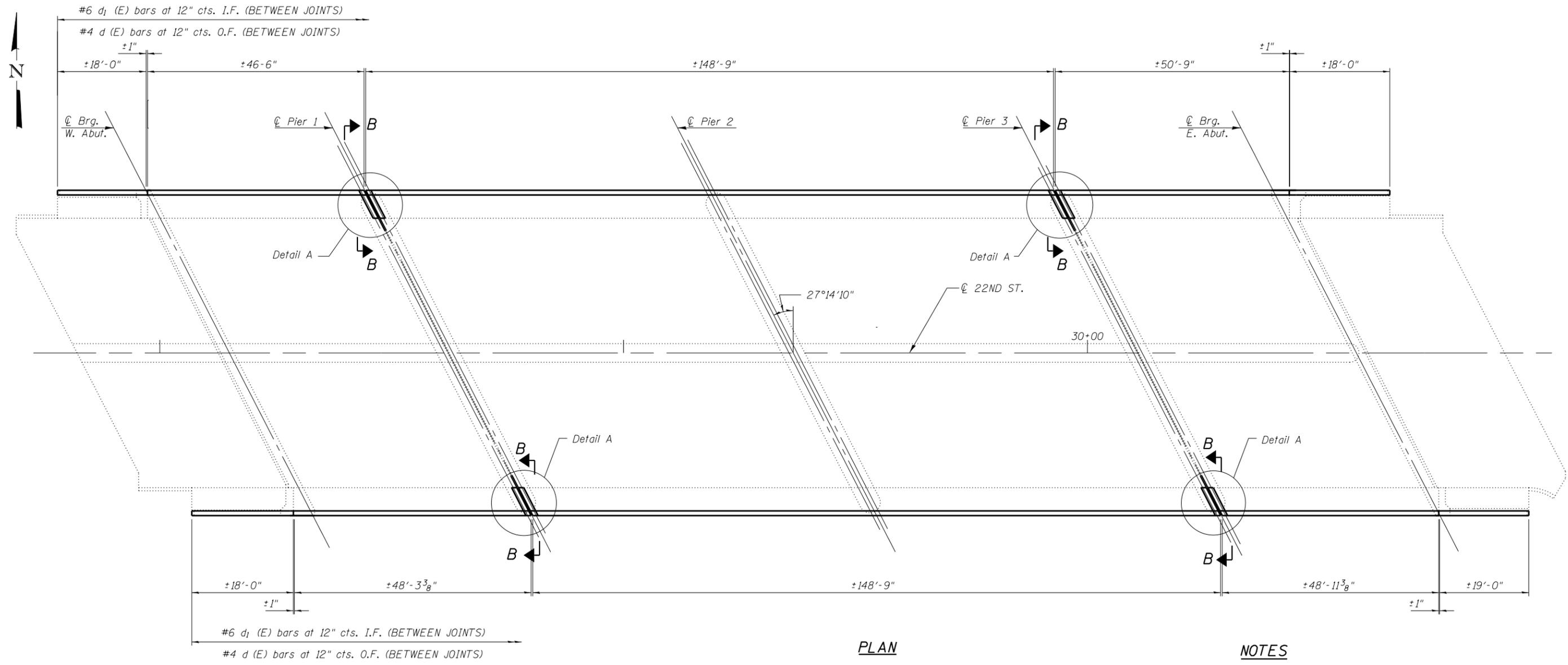
EXAMINED
 PASSED
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - 3/13/14
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

22nd ST. OVER E-W CONNECTOR (I-88 & I-294 RAMPS)
 GENERAL PLAN, ELEVATION AND CROSS SECTION (S.N. 022-2002)

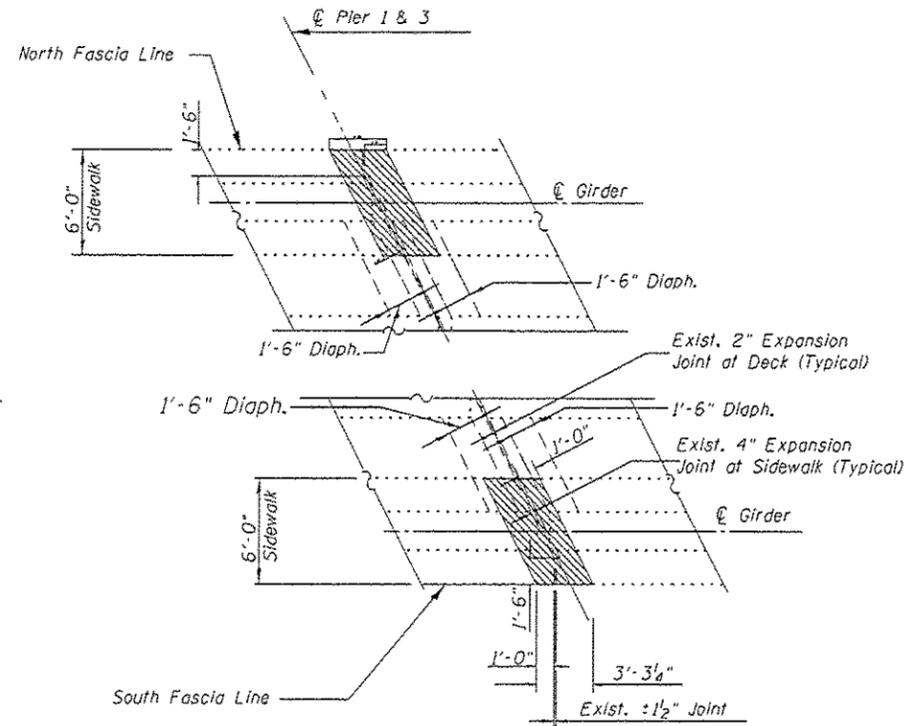
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	4
CONTRACT NO. 60W58			ILLINOIS FED. AID PROJECT	



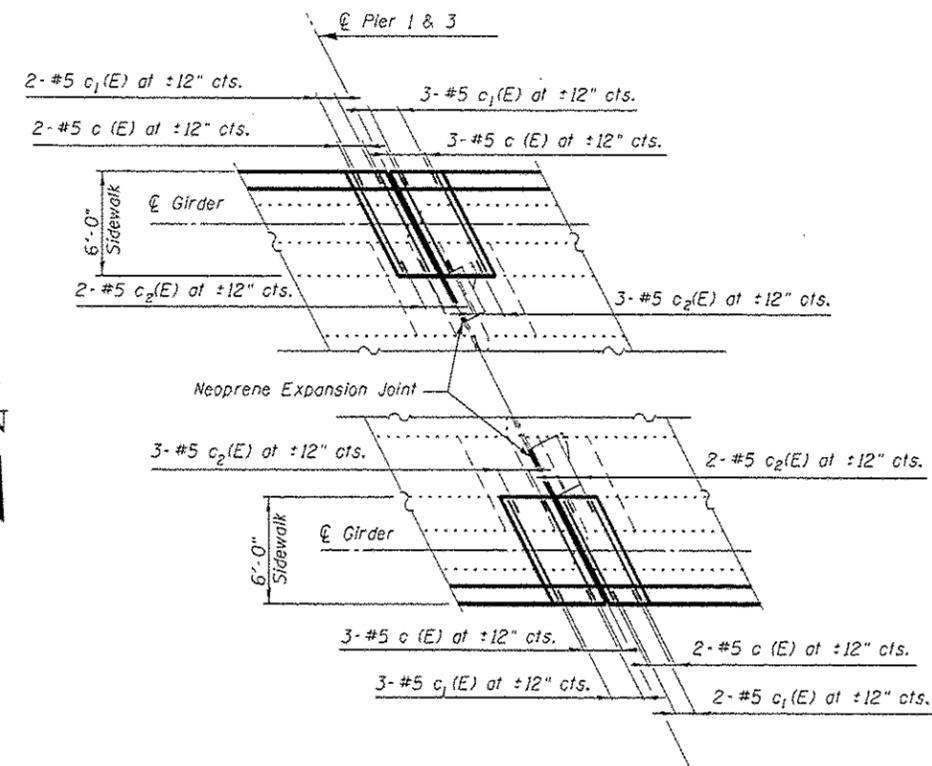
NOTES

See sheet 3 of 7 for Detail A and Section B-B

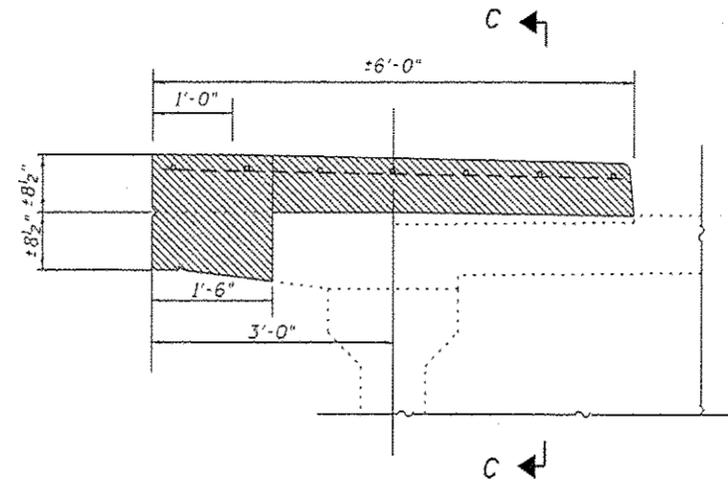
DESIGNED - RAD (1/21/14)	EXAMINED _____	DATE - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	22nd ST. OVER E-W CONNECTOR (I-88 & I-294 RAMPS) PROPOSED PLAN (S.N. 022-2002)		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - AM (1/21/14)	ENGINEER OF STRUCTURAL SERVICES	REVISOR				1453	T-6-23-1-2	DUPAGE	19	5
DRAWN - _____	PASSED _____	REVISOR				CONTRACT NO. 60W58				
CHECKED - _____	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR				SHEET NO. 2 OF 7 SHEETS				
						ILLINOIS FED. AID PROJECT				



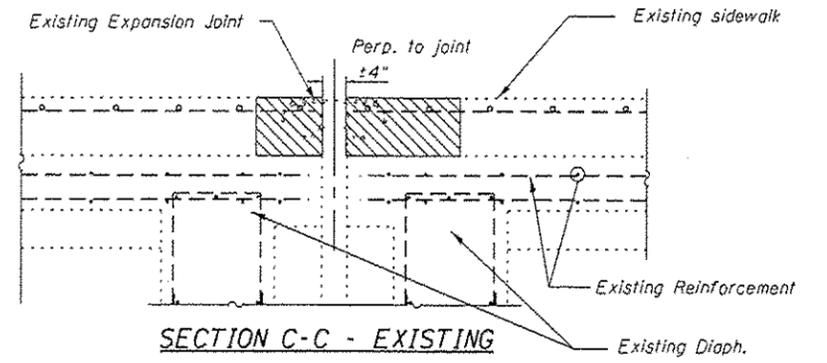
DETAIL A - EXISTING



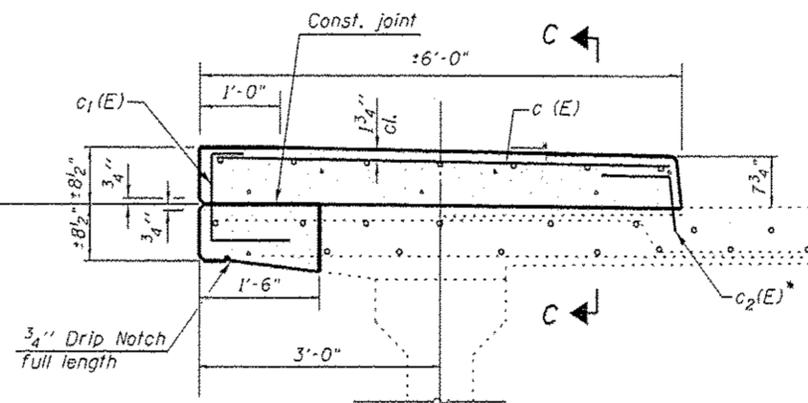
DETAIL A - PROPOSED



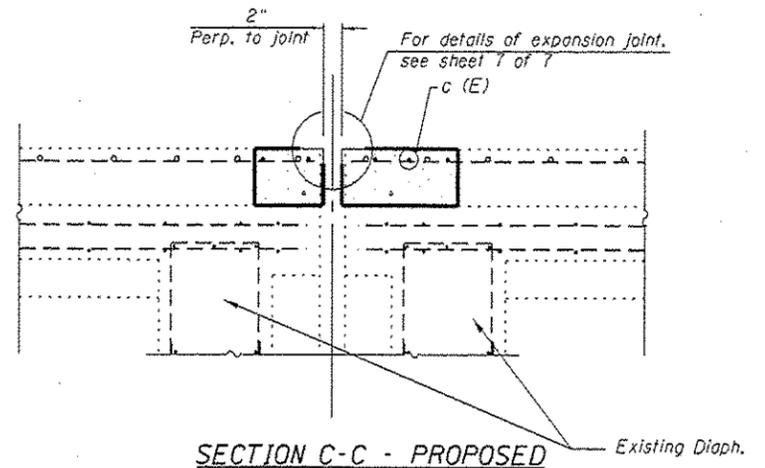
SECTION B-B - EXISTING



SECTION C-C - EXISTING



SECTION B-B - PROPOSED



SECTION C-C - PROPOSED

Concrete Removal

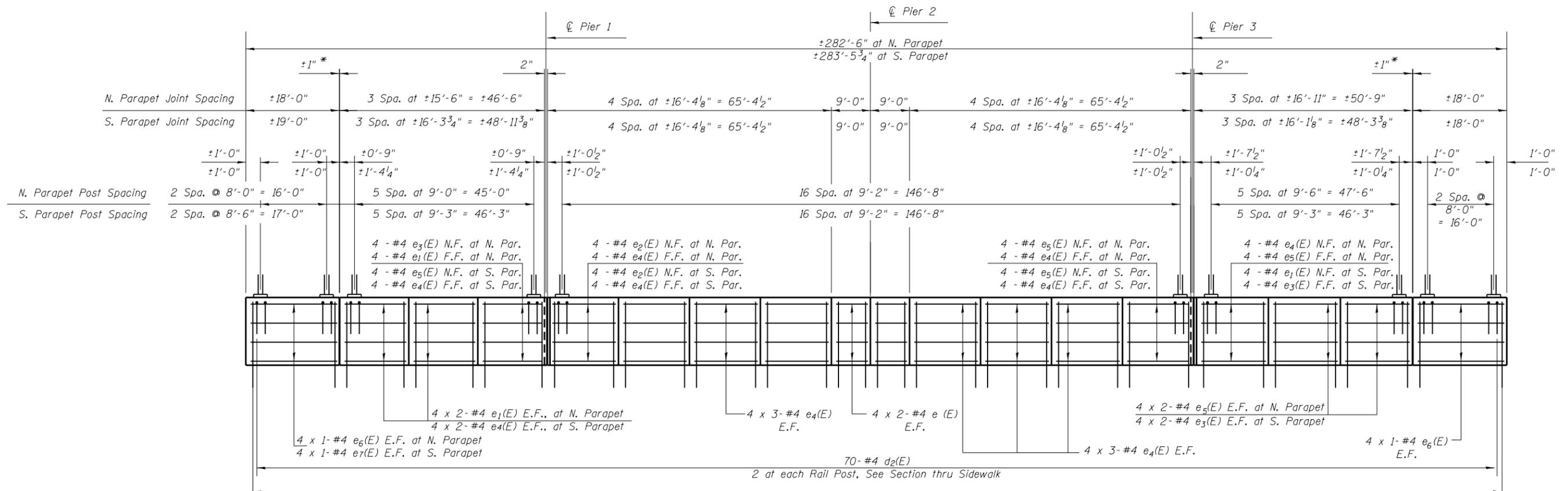
* Epoxy grouted bars in accordance with article 584 of the Standard Specs. Cost included with Reinforcement Bars, Epoxy Coated.

DESIGNED - RAD (1/21/14)	EXAMINED - <i>Trinity A. Aest</i>	DATE - 3/13/14
CHECKED - AM (1/21/14)	ENGINEER OF STRUCTURAL SERVICES	
DRAWN -	PASSED -	REVISOR -
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPLACEMENT AT SIDEWALK
STRUCTURE NO. 022-2002

F.A.U. RTE. 1453	SECTION T-6-23-1-2	COUNTY	TOTAL SHEETS 19	SHEET NO. 6
SHEET NO. 3 OF 7 SHEETS			CONTRACT NO. 60W58	
ILLINOIS FED. AID PROJECT				



NOTES

* * d and d¹ bars shall be epoxy grouted per Section 584. The depth and diameter of the hole shall be per manufacturer's recommendation such that it achieves 125% of the yield strength of the bar being grouted.

307 - #6 d₁ (E) bars at 12" cts. I.F. (NORTH PARAPET)
 307 - #4 d (E) bars at 12" cts. O.F. (NORTH PARAPET)
 311 - #6 d₁ (E) bars at 12" cts. I.F. (SOUTH PARAPET)
 311 - #4 d (E) bars at 12" cts. O.F. (SOUTH PARAPET)

INSIDE ELEVATION OF PARAPET

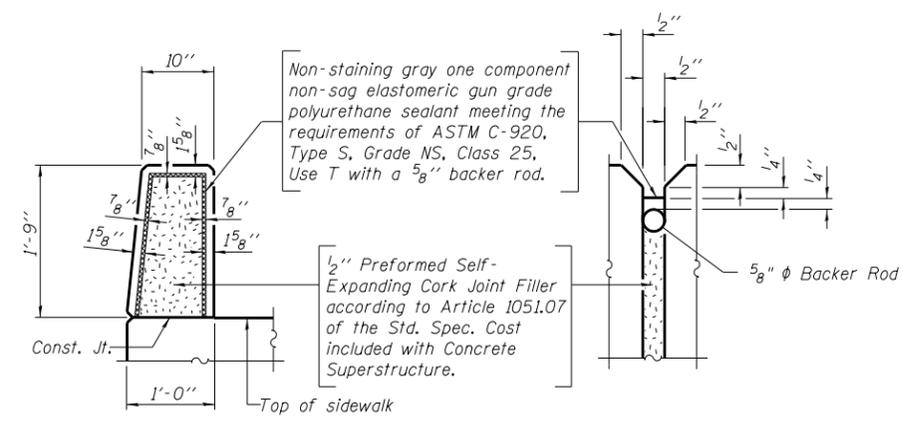
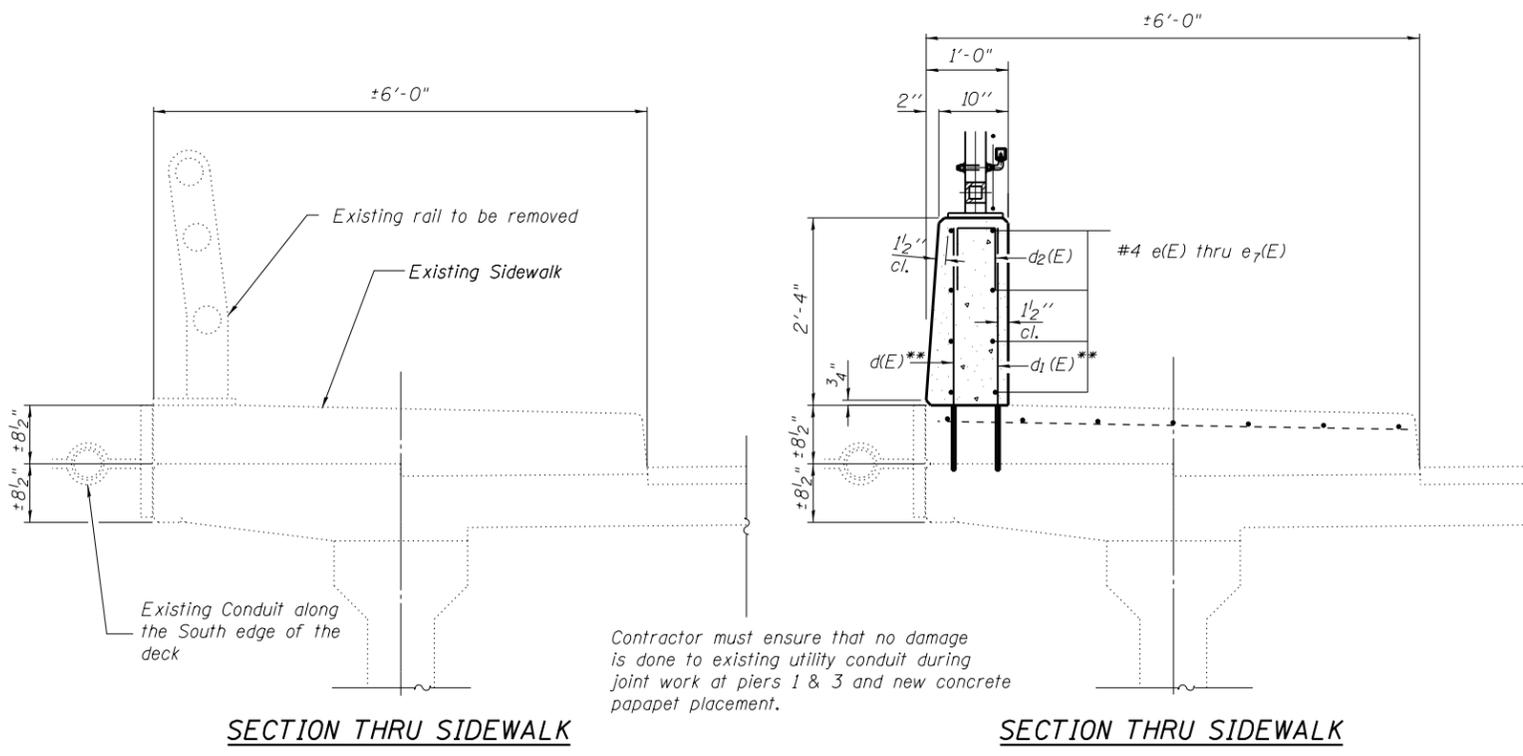
* Existing Expansion Joint to remain

SUPERSTRUCTURE BILL OF MATERIAL

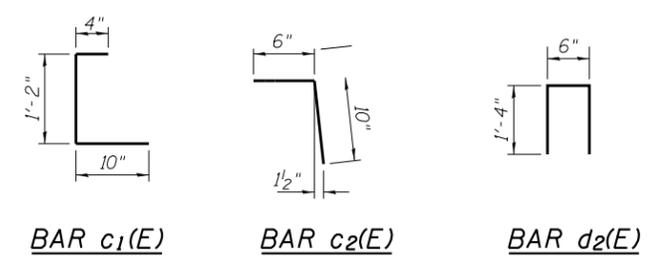
Bar	No.	Size	Length	Shape
c(E)	20	#5	5'-8"	—
c ₁ (E)	20	#4	2'-4"	└
c ₂ (E)	20	#5	1'-4"	┘
d(E)	618	#4	3'-1"	—
d ₁ (E)	618	#6	3'-1"	—
d ₂ (E)	140	#4	3'-2"	Π
e(E)	32	#4	8'-10"	—
e ₁ (E)	24	#4	15'-3"	—
e ₂ (E)	8	#4	15'-6"	—
e ₃ (E)	24	#4	15'-9"	—
e ₄ (E)	136	#4	16'-0"	—
e ₅ (E)	32	#4	16'-7"	—
e ₆ (E)	24	#4	17'-10"	—
e ₇ (E)	8	#4	18'-10"	—

Concrete Removal	Cu. Yds.	2.6
Reinforcement Bars, Epoxy Coated	Lbs.	7,580
Concrete Superstructure	Cu. Yds.	47.4
Protective Coat	Sq. Yd.	208

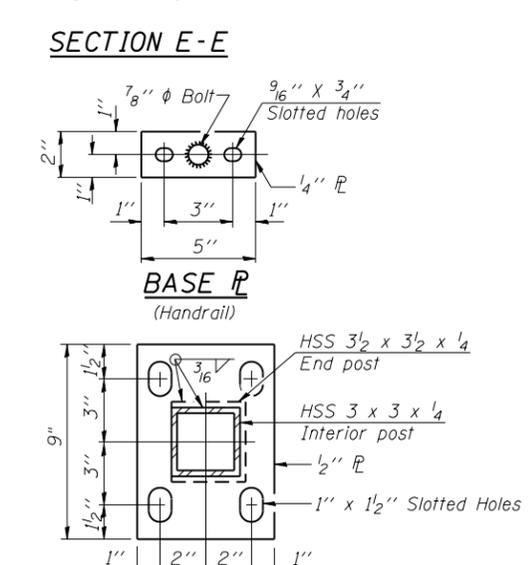
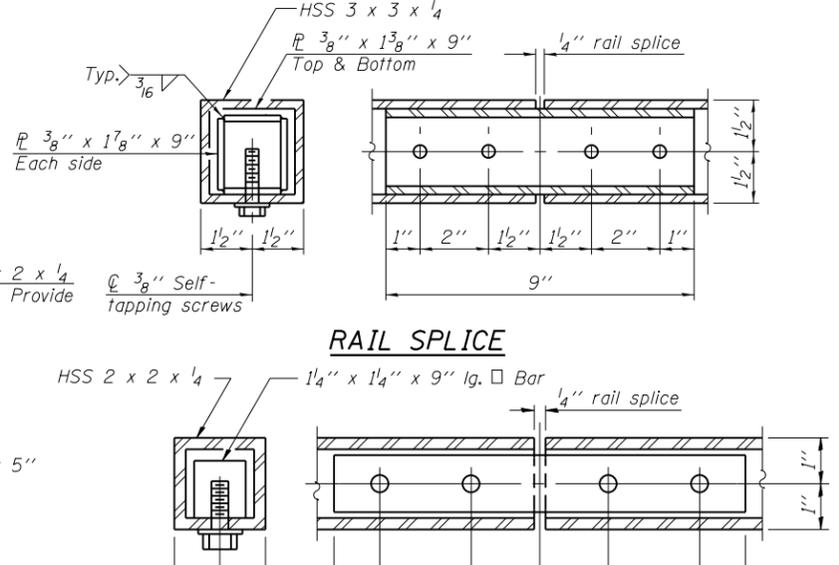
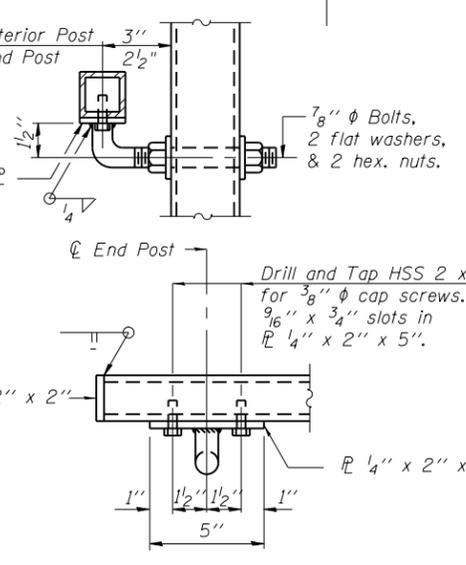
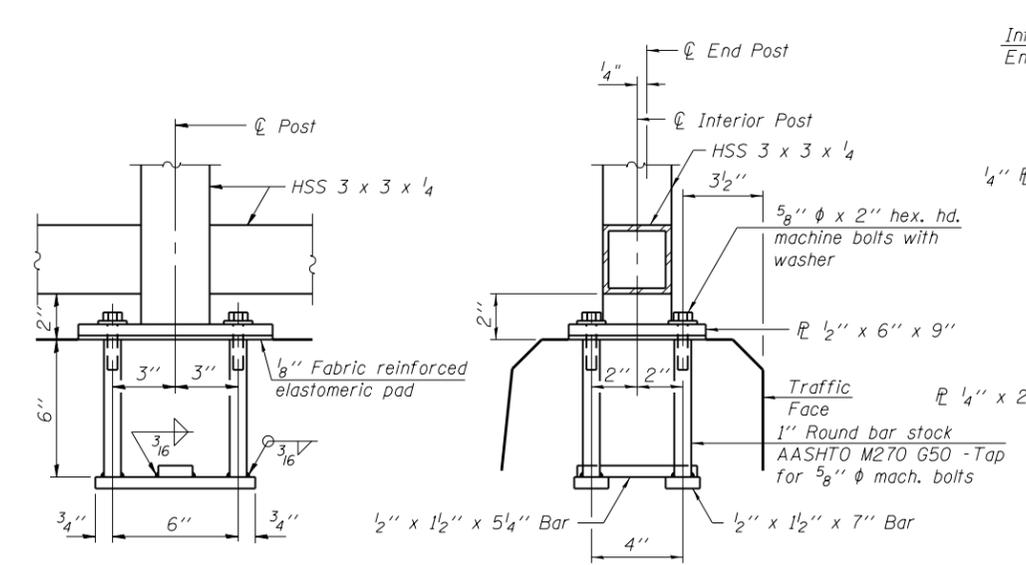
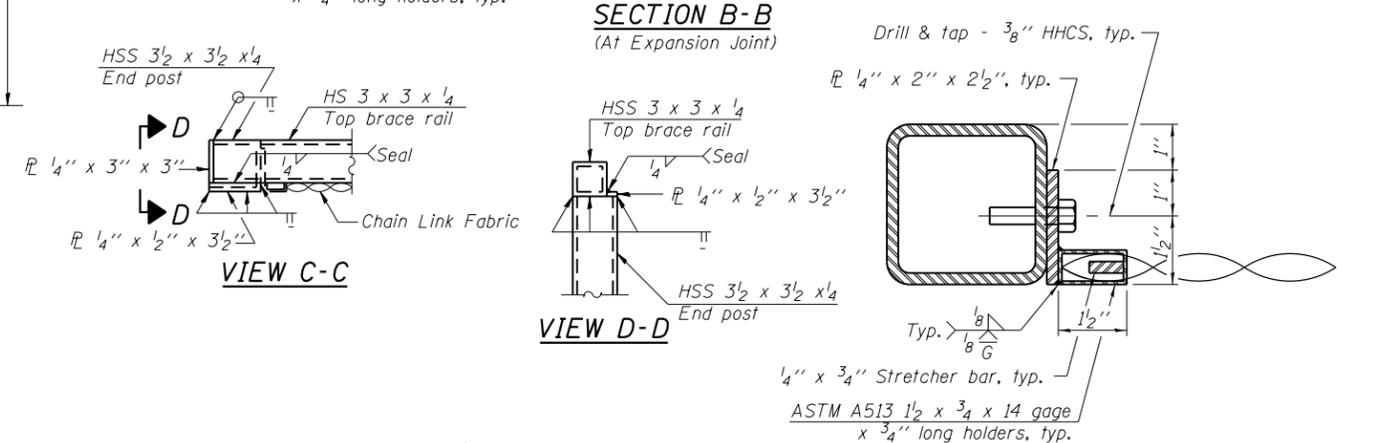
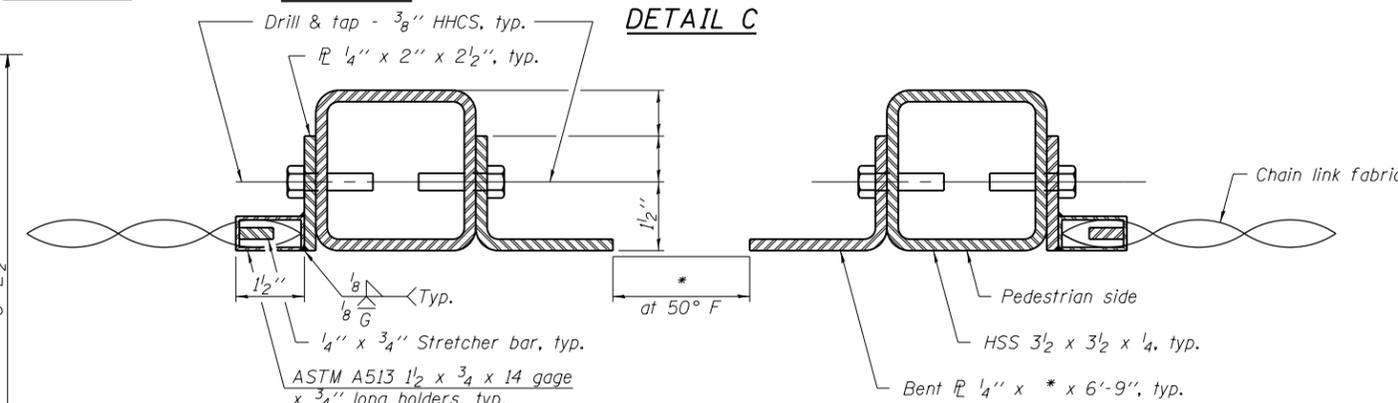
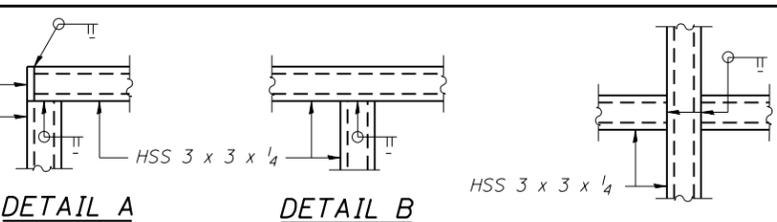
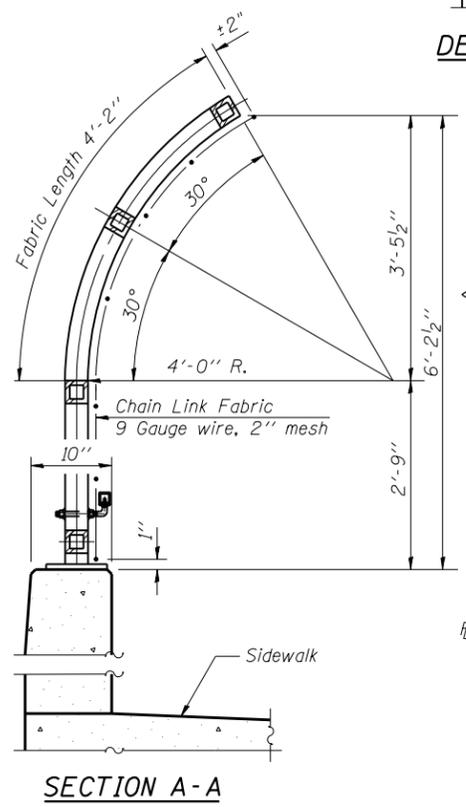
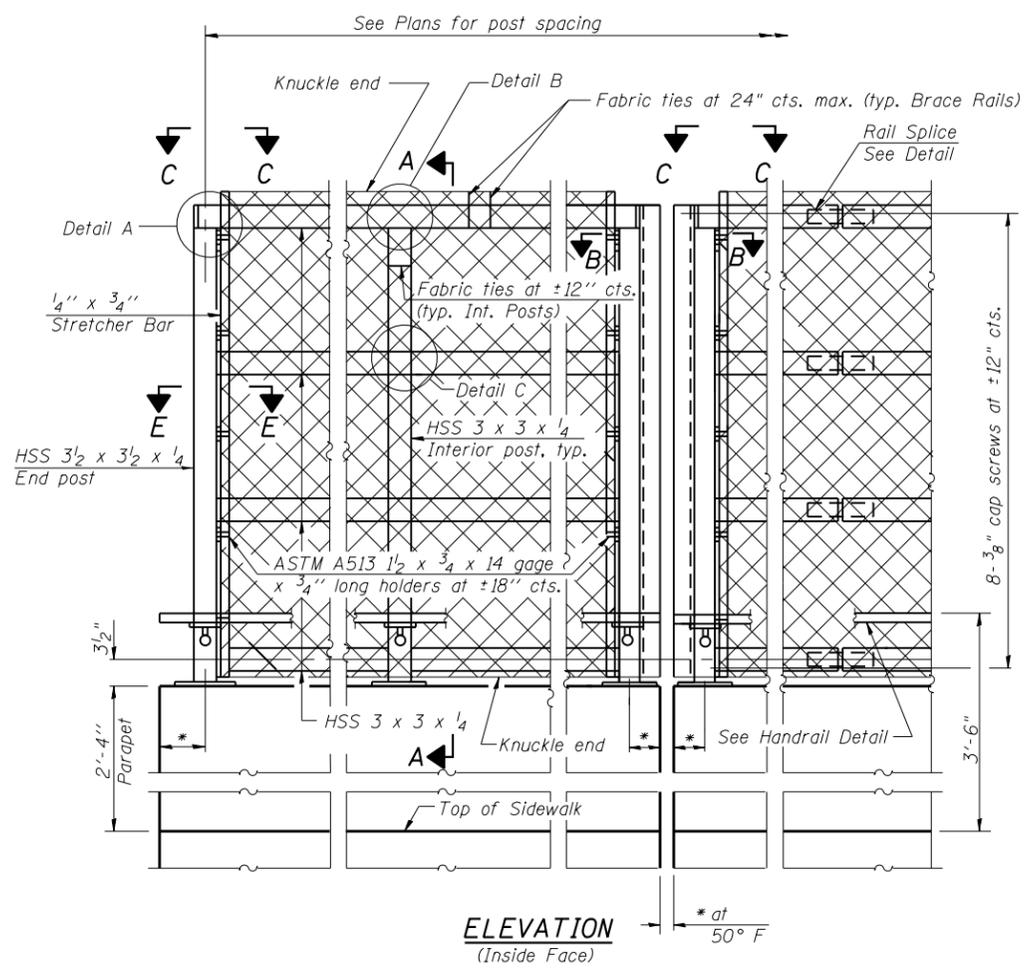
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



PARAPET JOINT DETAILS



All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



ANCHOR BOLT DETAILS
 In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

R-32 7-1-10 *Variable - See Plans (10'-0" Maximum Post Spacing)

DESIGNED - RAD (1/21/14)	EXAMINED	DATE -
CHECKED - AM (1/21/14)	ENGINEER OF STRUCTURAL SERVICES	
DRAWN -	PASSED	REVISOR
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

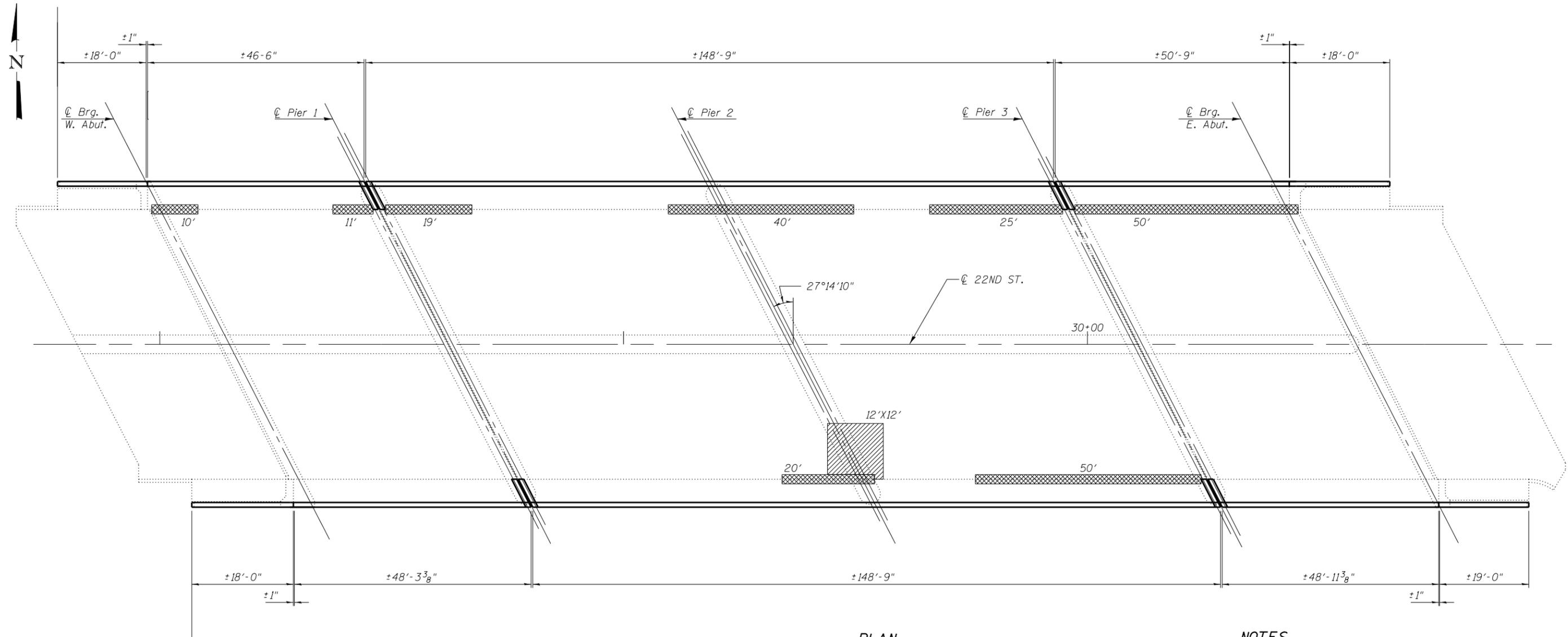
BRIDGE FENCE RAILING, PARAPET MOUNTED
STRUCTURE NO. 022-2002
 SHEET NO. 5 OF 7 SHEETS

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	8

CONTRACT NO. 60W58
 ILLINOIS FED. AID PROJECT

BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing	Foot	566



PLAN

NOTES

- Deck Slab Repair (Partial)
- Structural Repair of Concrete (curb face)

BILL OF MATERIAL

Item	Unit	Quantity
Deck Slab Repair (Partial)	Sq. Yd.	16
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	240

DESIGNED - RAD (1/21/14)	EXAMINED	DATE -
CHECKED - AM (1/21/14)	ENGINEER OF STRUCTURAL SERVICES	
DRAWN -	PASSED	REVISED
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

22nd ST. OVER E-W CONNECTOR (I-88 & I-294 RAMPS)
DECK REPAIR AND STRUCTURAL REPAIR OF CONCRETE (S.N. 022-2002)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	9
CONTRACT NO. 60W58			ILLINOIS FED. AID PROJECT	

Joint Size	"C" at 50°F	"D" at 50°F
2"	2"	1 1/2" Min.
2 1/2"	2 1/2"	1 3/4" Min.
4"	3"	2 1/2" Min.

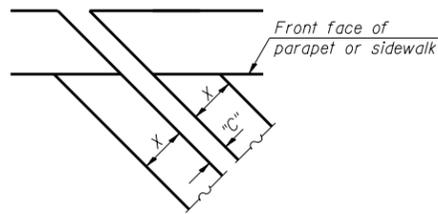
INSTALLATION NOTES

- ① Install continuous seal in roadway, parapet, curb, and sidewalk.
- ② Install anchor blocks as indicated.

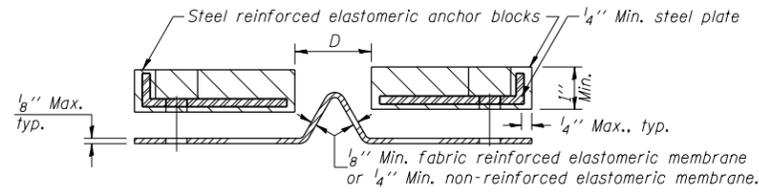
Note A:
Maximum spacing of anchor bolts shall be 12" centers.

SKEW LIMITATIONS

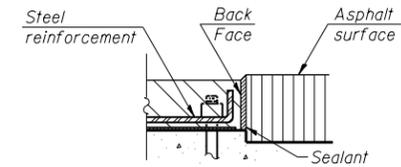
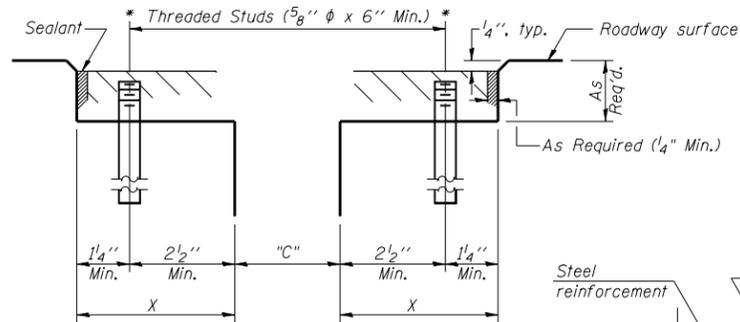
The details of the anchor blocks and the elastomeric membrane in the parapet, as shown, are for up to 50° skews. For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed according to dimension "D", might require modifications to insure a minimum clearance of 1 1/2" from centerline 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 studs spaced at ±12" cts.



FORMING BLOCKOUT SKETCH



CROSS SECTION

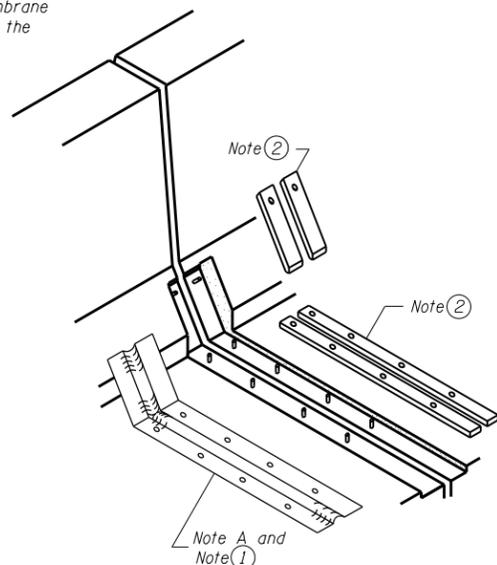


ANCHOR BLOCK WITH ASPHALT SURFACE

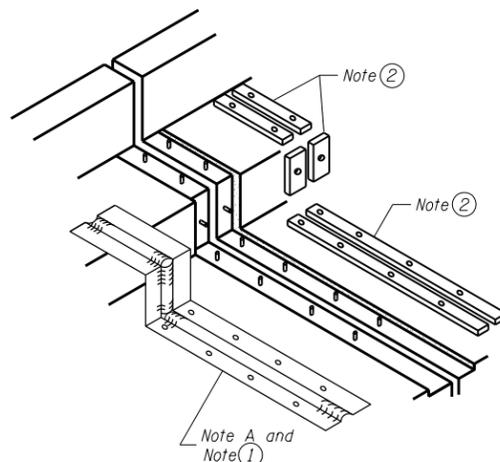
GENERAL NOTES

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane. The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure. The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed. Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F. The parapet and roadway membrane shall be made continuous by an approved vulcanizing process. Lapping will not be permitted.

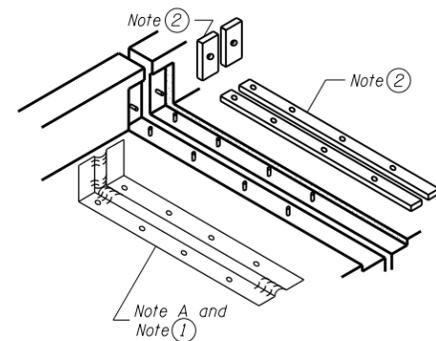
*Epoxy grout 5/8" Threaded Studs in accordance with Art. 584 of the Std. Spec's. Space to miss existing Studs.



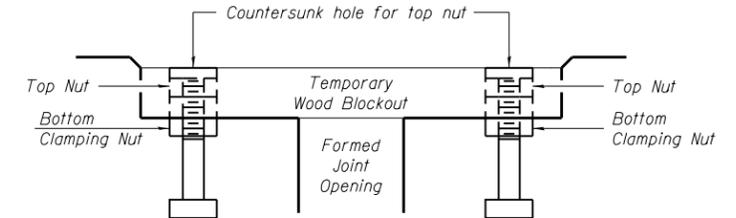
AT PARAPET



AT SIDEWALK OR MEDIAN



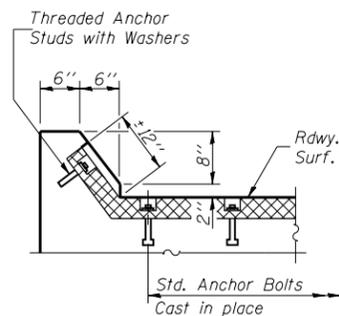
AT WALL



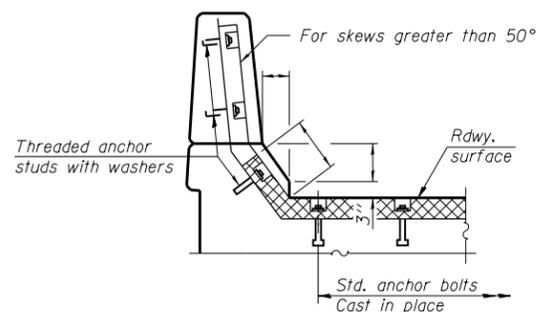
RECOMMENDED BLOCKOUT DETAIL

Note:
Stud needs to be threaded lower to allow for use of clamping nut.

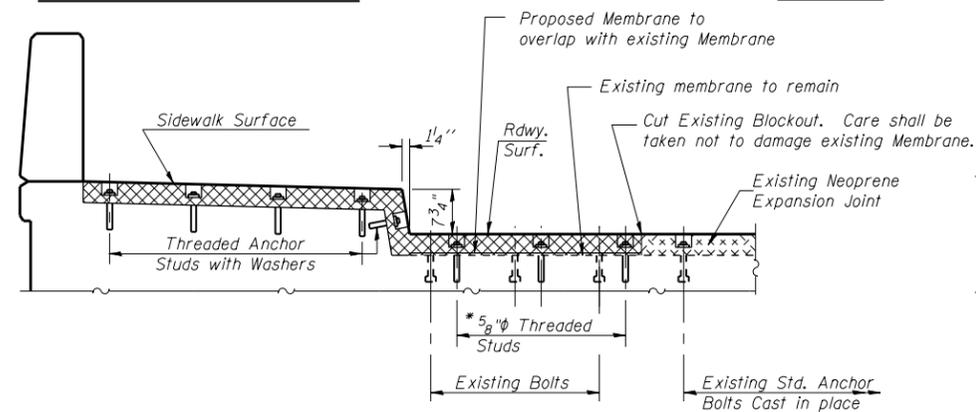
Anchor studs should be stainless



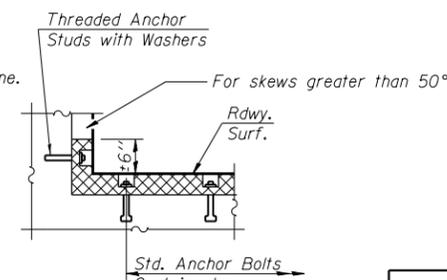
AT CURB



AT PARAPET



AT SIDEWALK OR MEDIAN TYPICAL END TREATMENTS



AT WALL

CONTINUOUS SEAL TYPE NEOPRENE EXPANSION JOINTS

BILL OF MATERIAL

Item	Unit	Total
Neoprene Expansion Joint	Foot	37

DESIGNED - RAD (1/21/14)
CHECKED - AM (1/21/14)
DRAWN -
CHECKED -

EXAMINED _____ DATE _____
ENGINEER OF STRUCTURAL SERVICES
PASSED _____
ENGINEER OF BRIDGES AND STRUCTURES

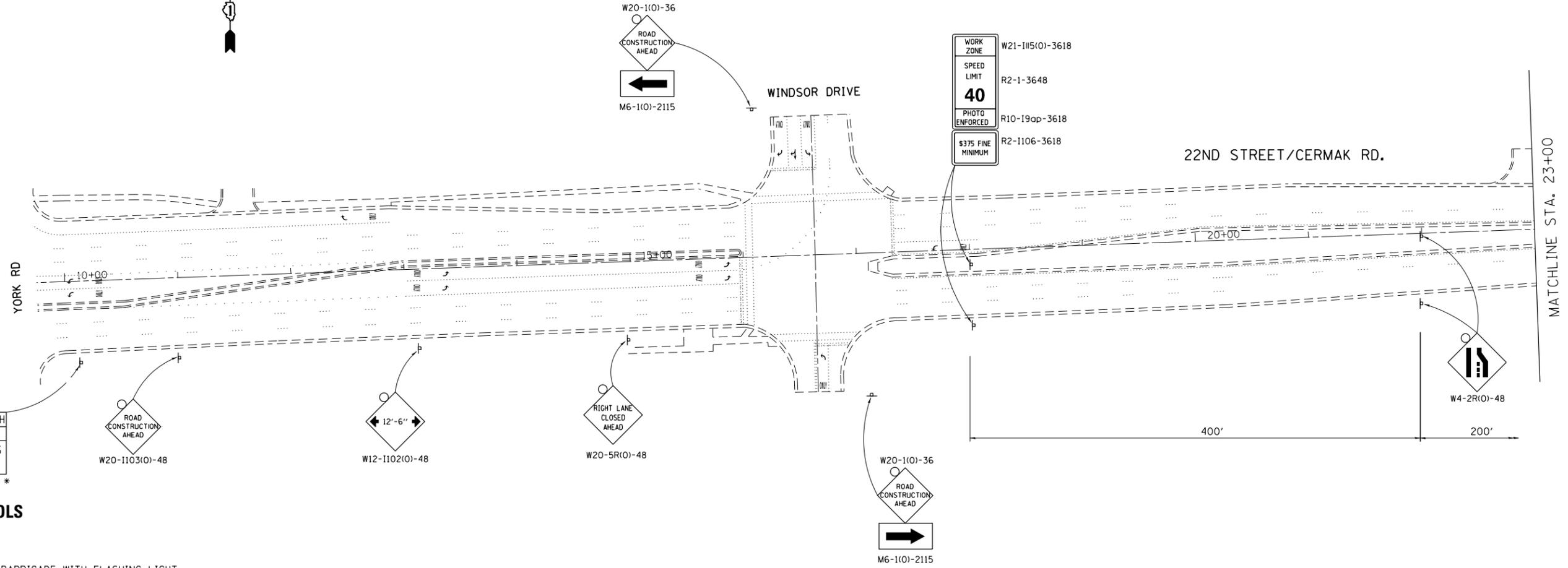
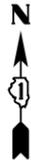
REVISD _____
REVISD _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NEOPRENE EXPANSION JOINT
STRUCTURE NO. 022-2002**

SHEET NO. 7 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W58	



MAX WIDTH
12'-6"
1.5 MILES
AHEAD
W12-1103 *

SYMBOLS

- TYPE III BARRICADE WITH FLASHING LIGHT
- WORK AREA
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
20' C-C
- PAVEMENT MARKING REMOVAL

* PLACE SIGN AT THE INTERSECTION OF IL-83 AND CERMAK RD.

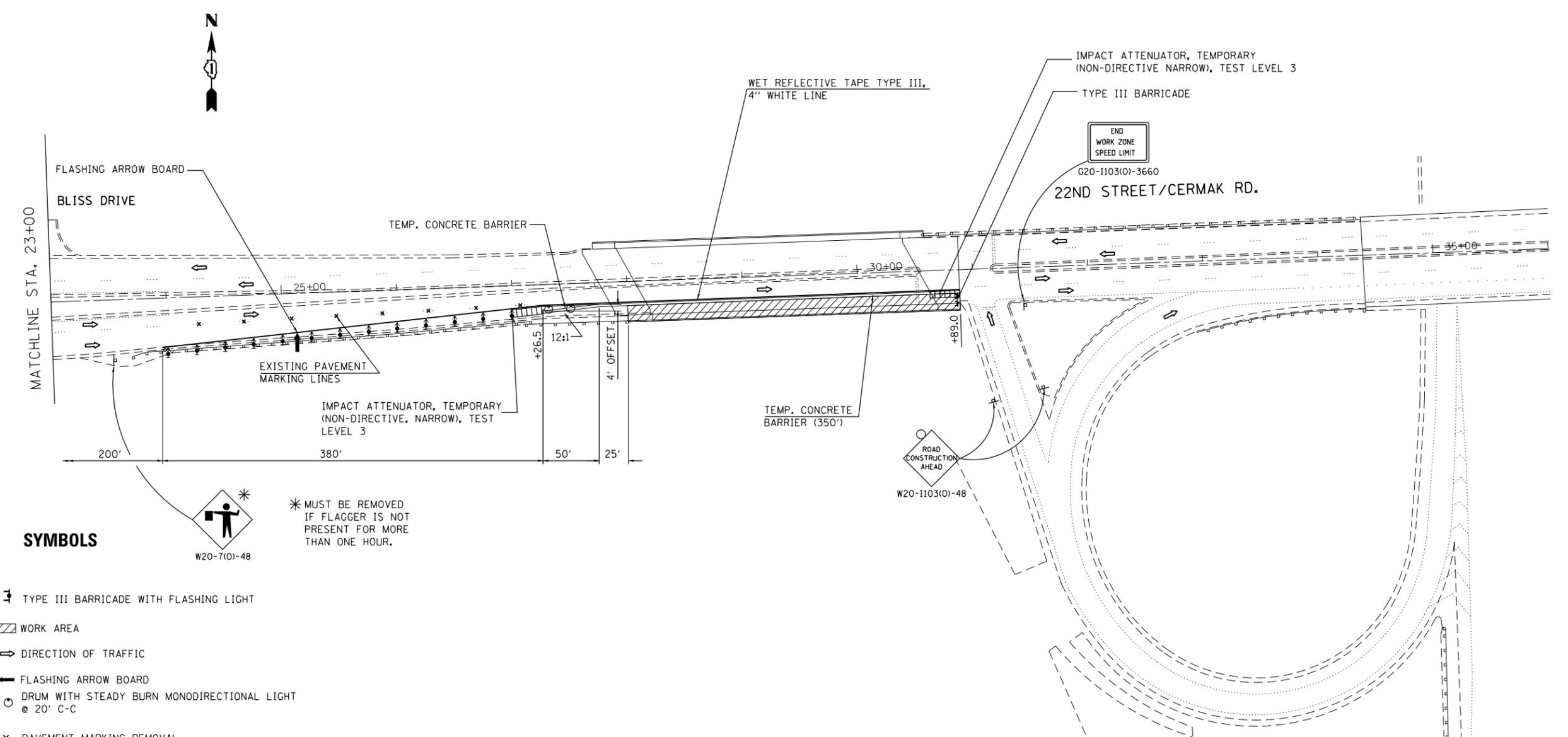
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	PLOT DATE = 2/10/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**22ND ST OVER EAST WEST CONNECTOR (I-88 & I-294 RAMPS)
PARAPET REPLACEMENT _ TRAFFIC CONTROL PLAN STAGE I**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	11
STRUCTURE 022-2002			CONTRACT NO. 60W58	
ILLINOIS FED. AID PROJECT				



SYMBOLS

- TYPE III BARRICADE WITH FLASHING LIGHT
- WORK AREA
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
⊙ 20' C-C
- PAVEMENT MARKING REMOVAL
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL
⊙ 20' C-C

* MUST BE REMOVED IF FLAGGER IS NOT PRESENT FOR MORE THAN ONE HOUR.

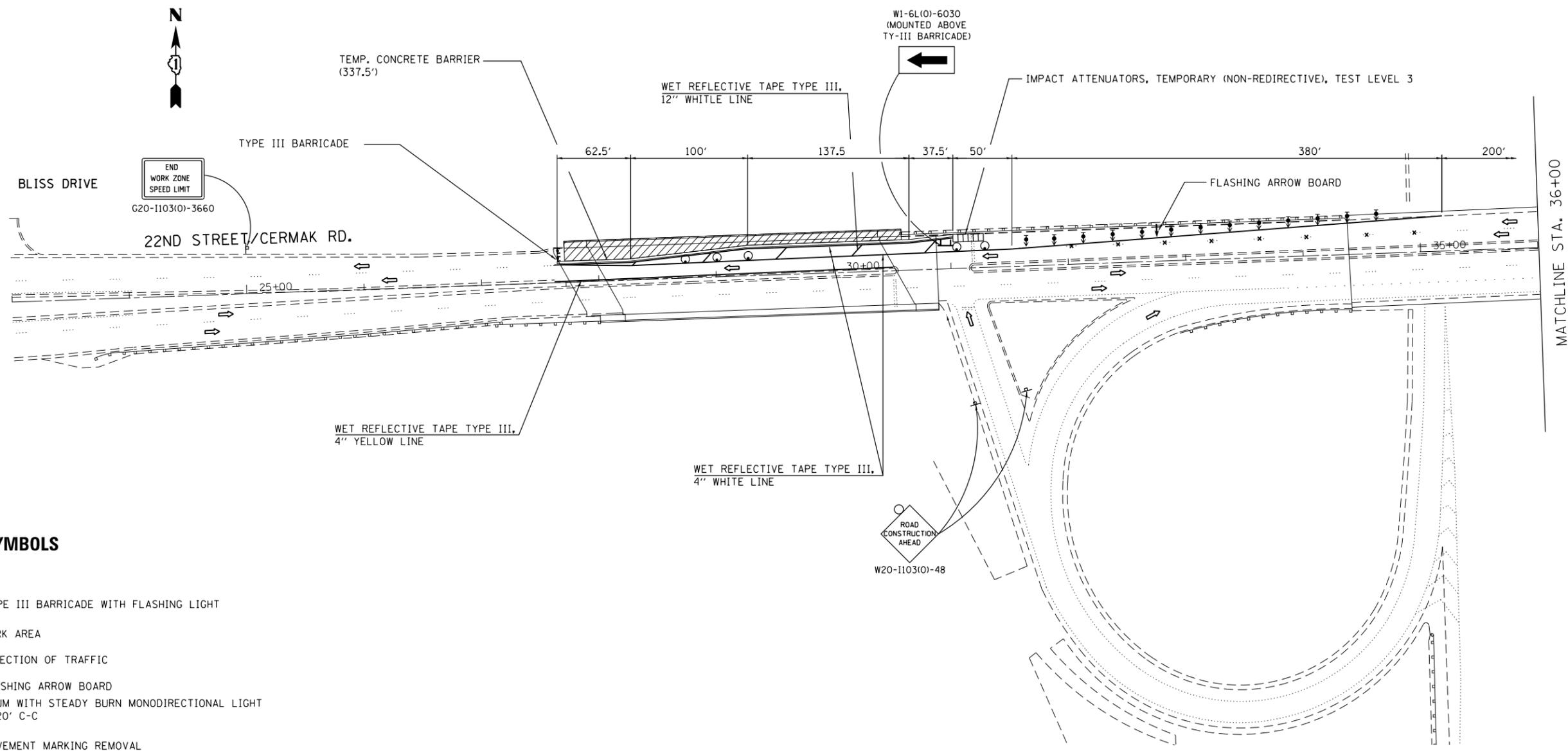
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**22ND ST OVER EAST WEST CONNECTOR (I-88 & I-294 RAMPS)
PARAPET REPLACEMENT _ TRAFFIC CONTROL PLAN STAGE I**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	12
STRUCTURE 022-2002			CONTRACT NO. 60W58	
ILLINOIS FED. AID PROJECT				



SYMBOLS

- ☒ TYPE III BARRICADE WITH FLASHING LIGHT
- ▨ WORK AREA
- ➡ DIRECTION OF TRAFFIC
- ⬅ FLASHING ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- ⋯×⋯ PAVEMENT MARKING REMOVAL
- ⬇ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL @ 20' C-C

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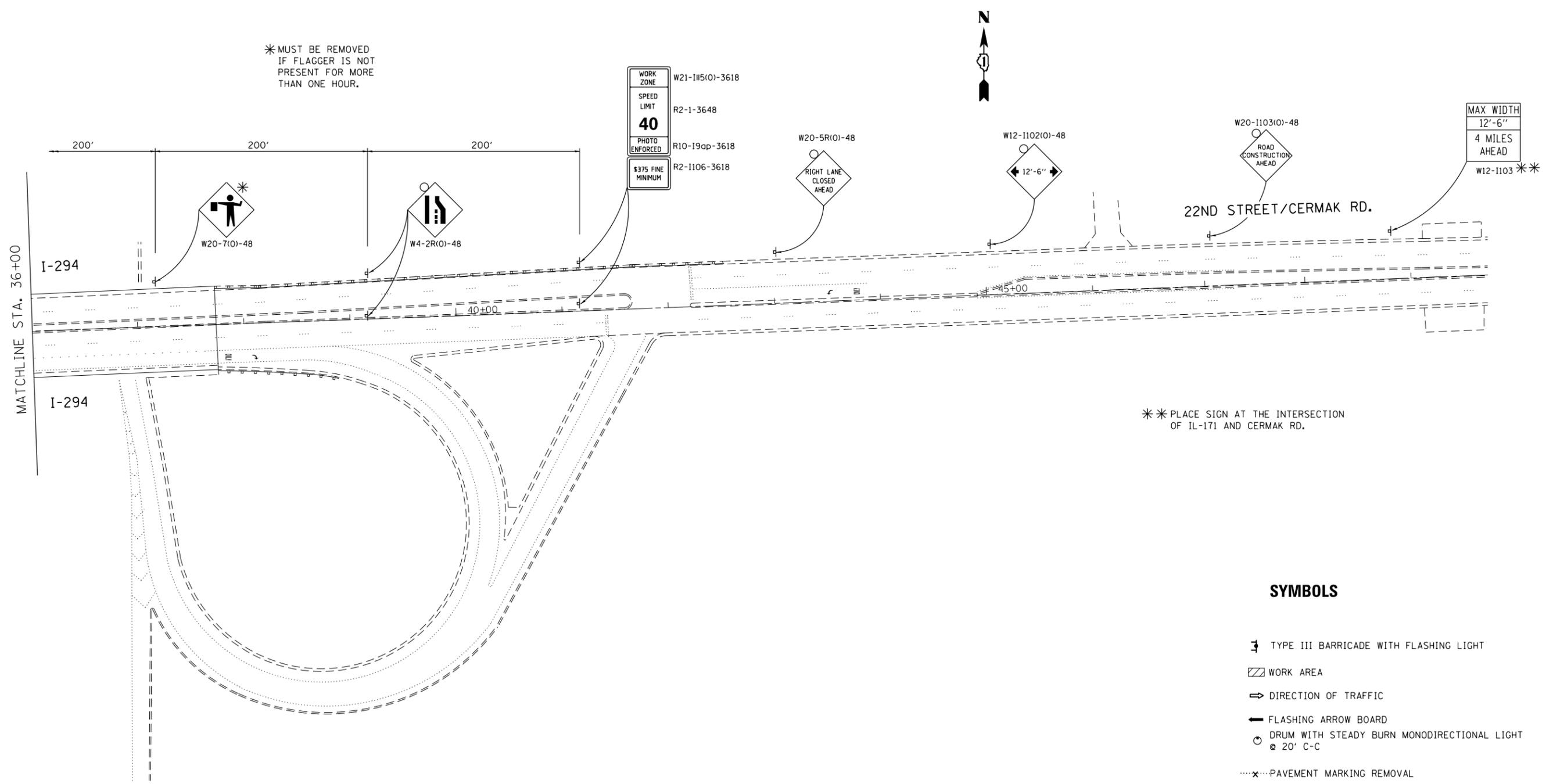
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**22ND ST OVER EAST WEST CONNECTOR (I-88 & I-294 RAMPS)
PARAPET REPLACEMENT - TRAFFIC CONTROL PLAN STAGE II**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	13
STRUCTURE 022-2002			CONTRACT NO. 60W58	
ILLINOIS FED. AID PROJECT				

* MUST BE REMOVED IF FLAGGER IS NOT PRESENT FOR MORE THAN ONE HOUR.



** PLACE SIGN AT THE INTERSECTION OF IL-171 AND CERMAK RD.

SYMBOLS

- TYPE III BARRICADE WITH FLASHING LIGHT
- WORK AREA
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- PAVEMENT MARKING REMOVAL

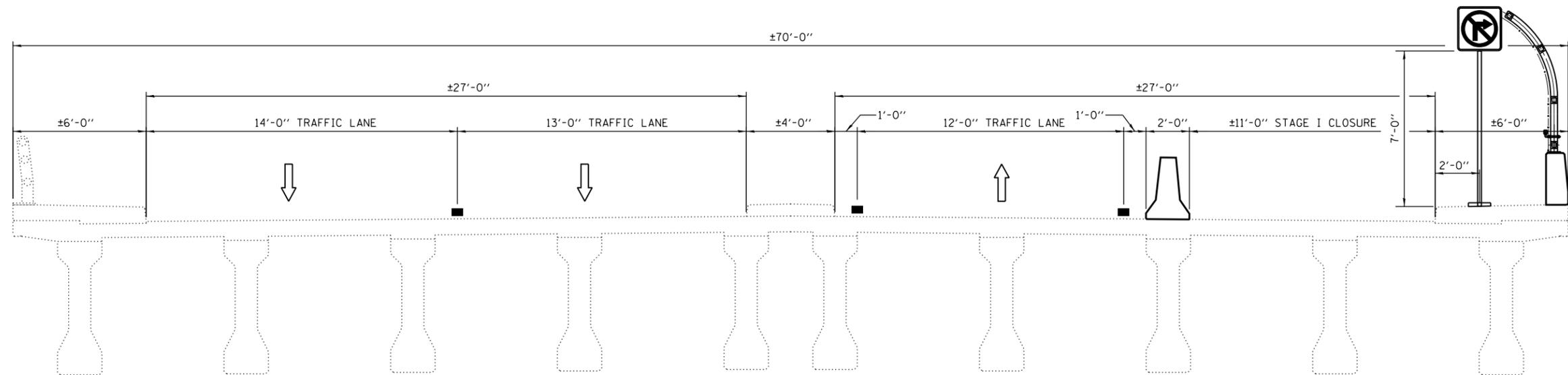
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**22ND ST OVER EAST WEST CONNECTOR (I-88 & I-294 RAMPS)
PARAPET REPLACEMENT - TRAFFIC CONTROL PLAN STAGE II**

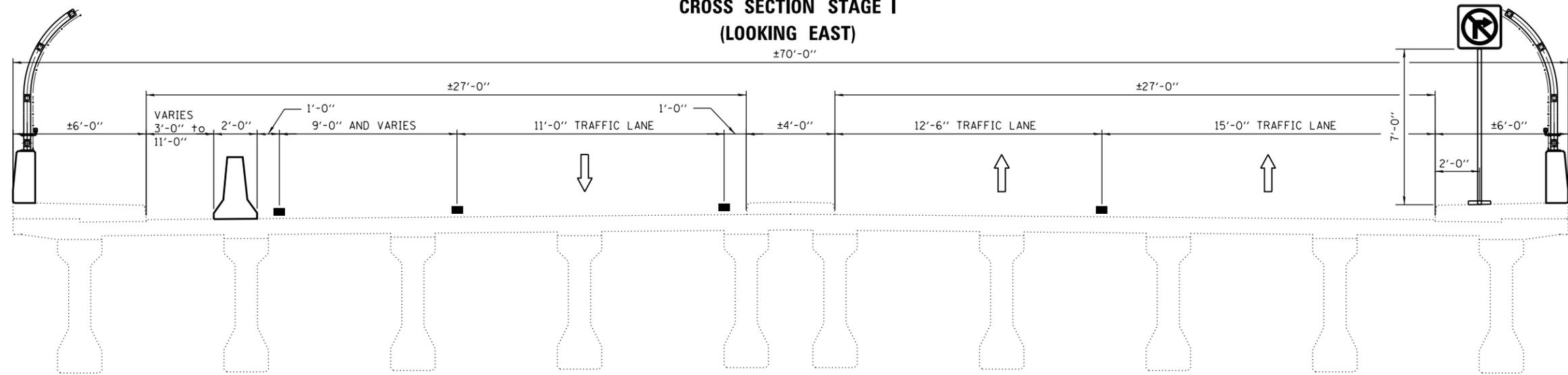
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1453	T-6-23-1-2	DUPAGE	19	14
STRUCTURE 022-2002			CONTRACT NO. 60W58	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.



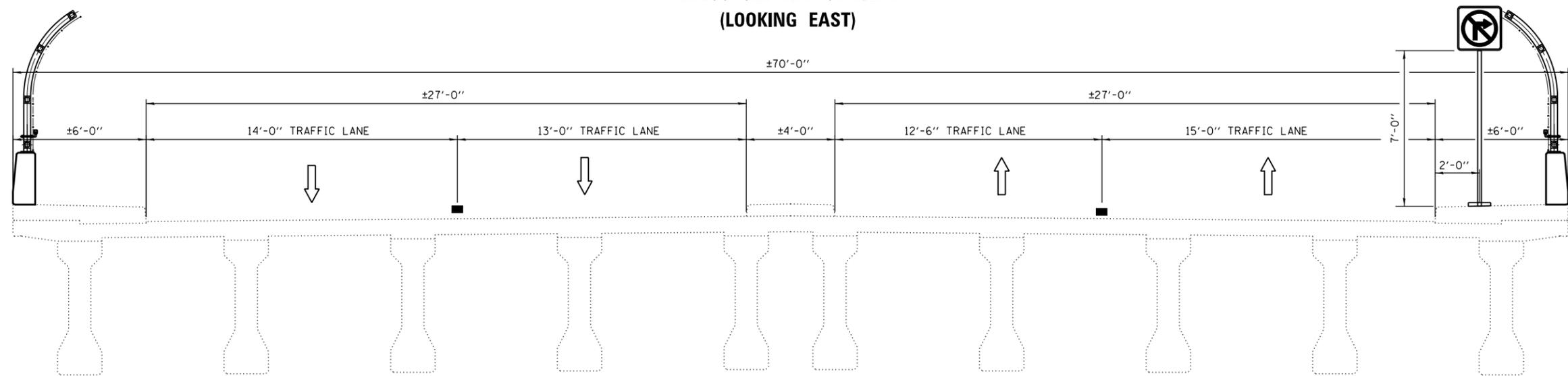
**CROSS SECTION STAGE I
(LOOKING EAST)**

±70'-0"



**CROSS SECTION STAGE II
(LOOKING EAST)**

±70'-0"



CROSS SECTION FINAL

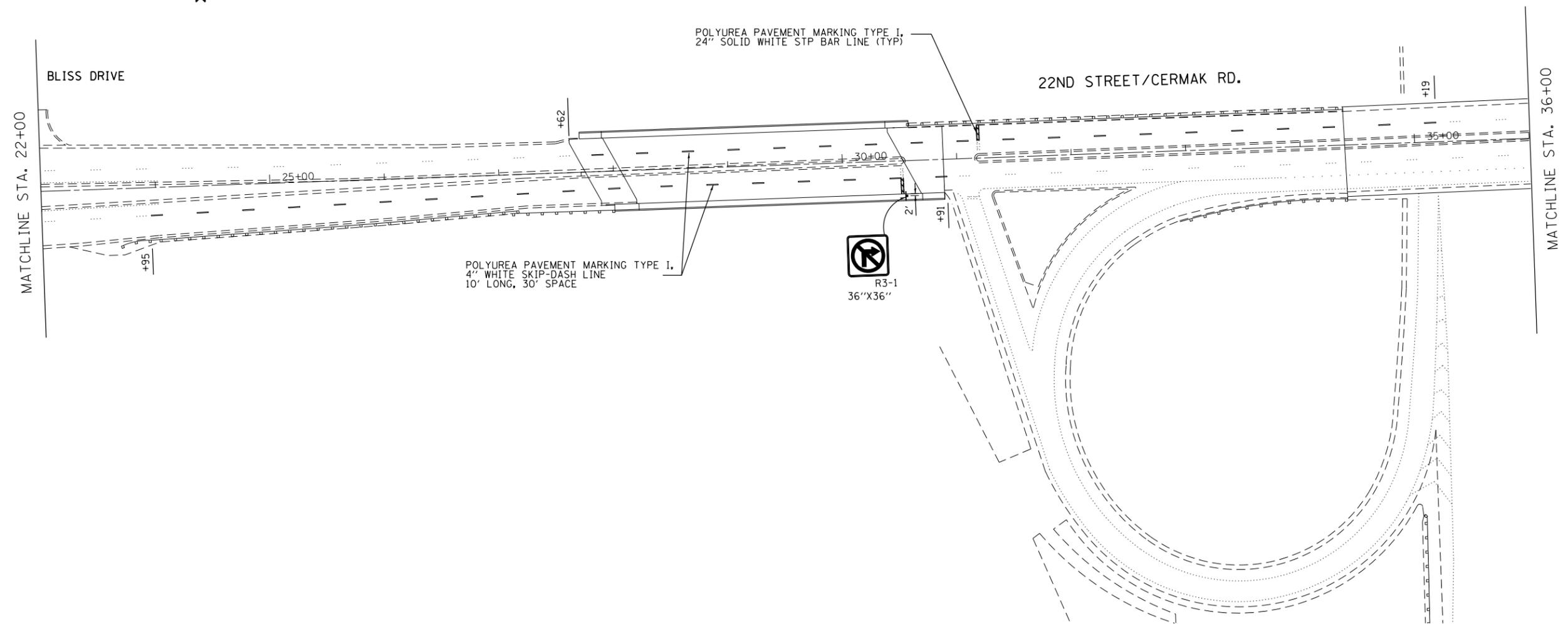
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**22ND ST OVER EAST WEST CONNECTOR (I-88 & I-294 RAMPS)
PARAPET REPLACEMENT _ TRAFFIC STAGING**

SCALE: SHEET -- OF -- SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STRUCTURE 022-2002			CONTRACT NO. 60W58	
ILLINOIS FED. AID PROJECT				



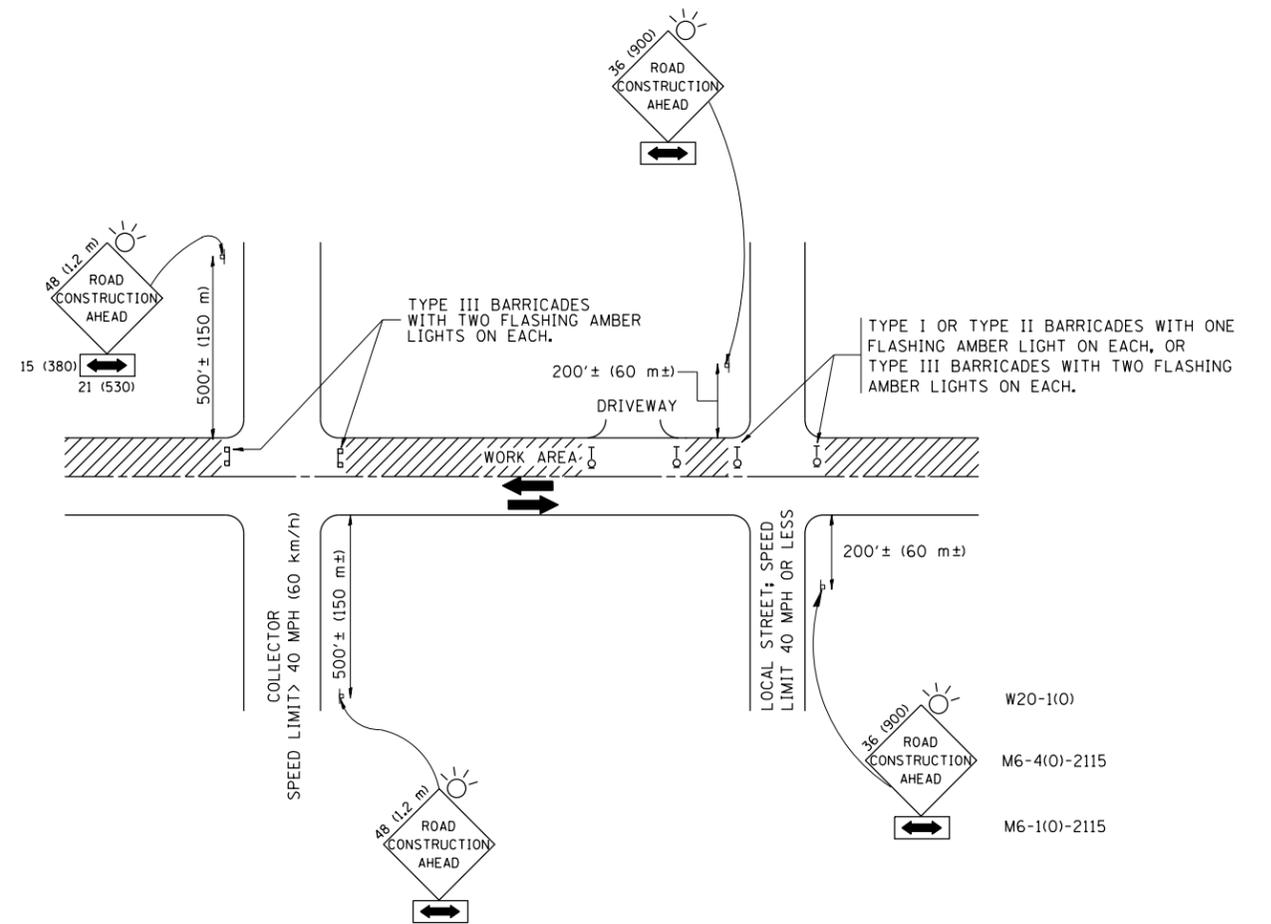
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	PLOT DATE = 2/10/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**22ND ST OVER EAST WEST CONNECTOR (I-88 & I-294 RAMPS)
PARAPET REPLACEMENT - FINAL PAVEMENT MARKING PLAN**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	16
STRUCTURE 022-2002			CONTRACT NO. 60W58	
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

1. 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:

a) 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.

b) 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.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) 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.

b) 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.

3. 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.

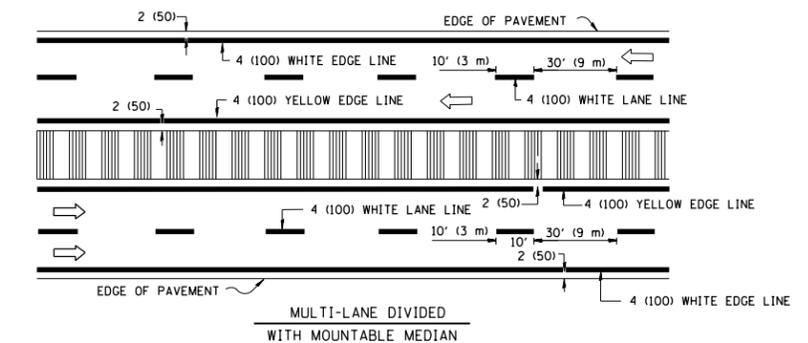
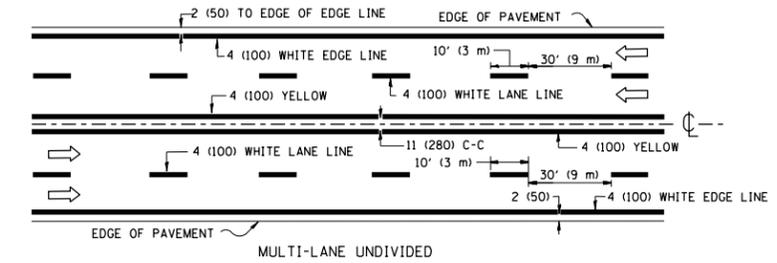
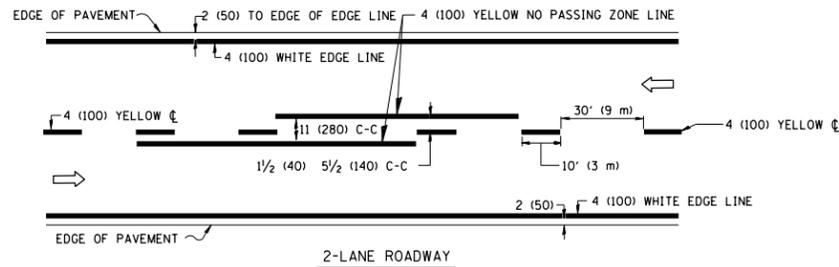
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	PLOT DATE = 2/10/2014	DATE - 06-89	REVISED - T. RAMMACH 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

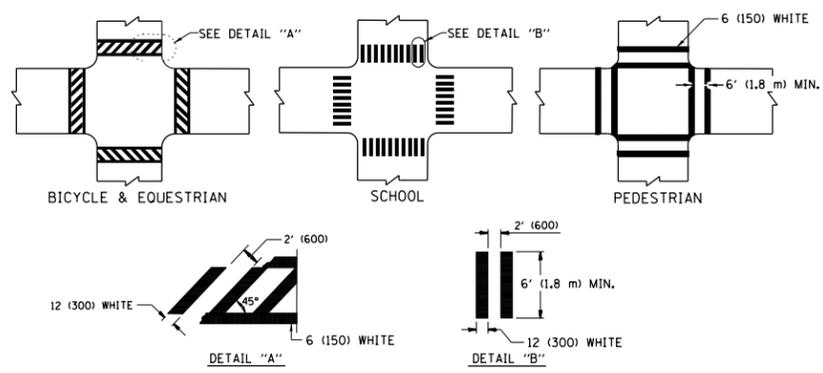
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TC-10			CONTRACT NO. 60W58	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

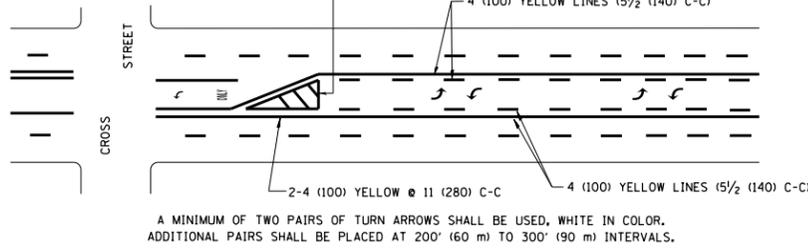
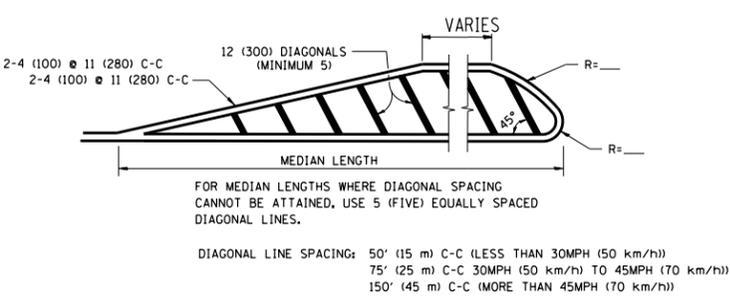
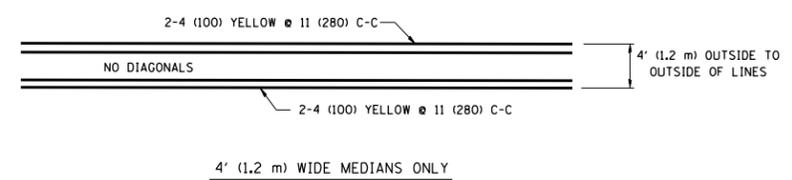


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

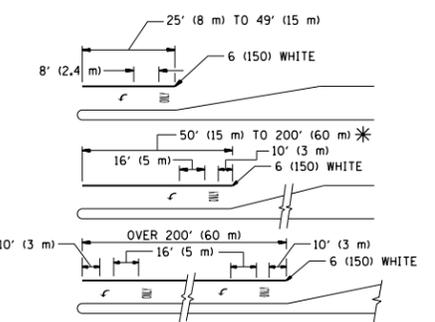
TYPICAL LANE AND EDGE LINE MARKING



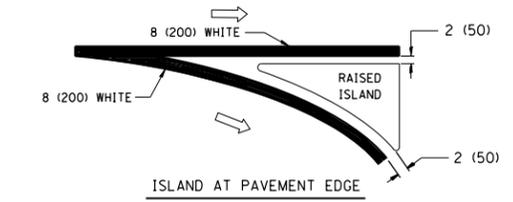
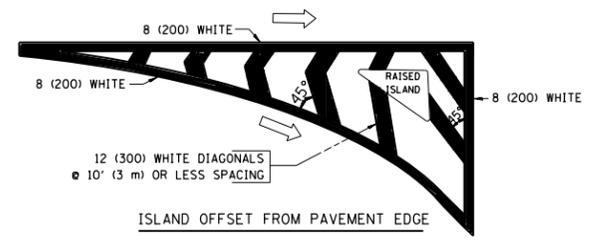
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING



TYPICAL ISLAND 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	4 (100)	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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 WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (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.
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" 15' (4.5 m) MIN. 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) EACH
SHOULDER DIAGONALS	12 (300) @ 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 (OVER 45MPH (70 km/h))

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

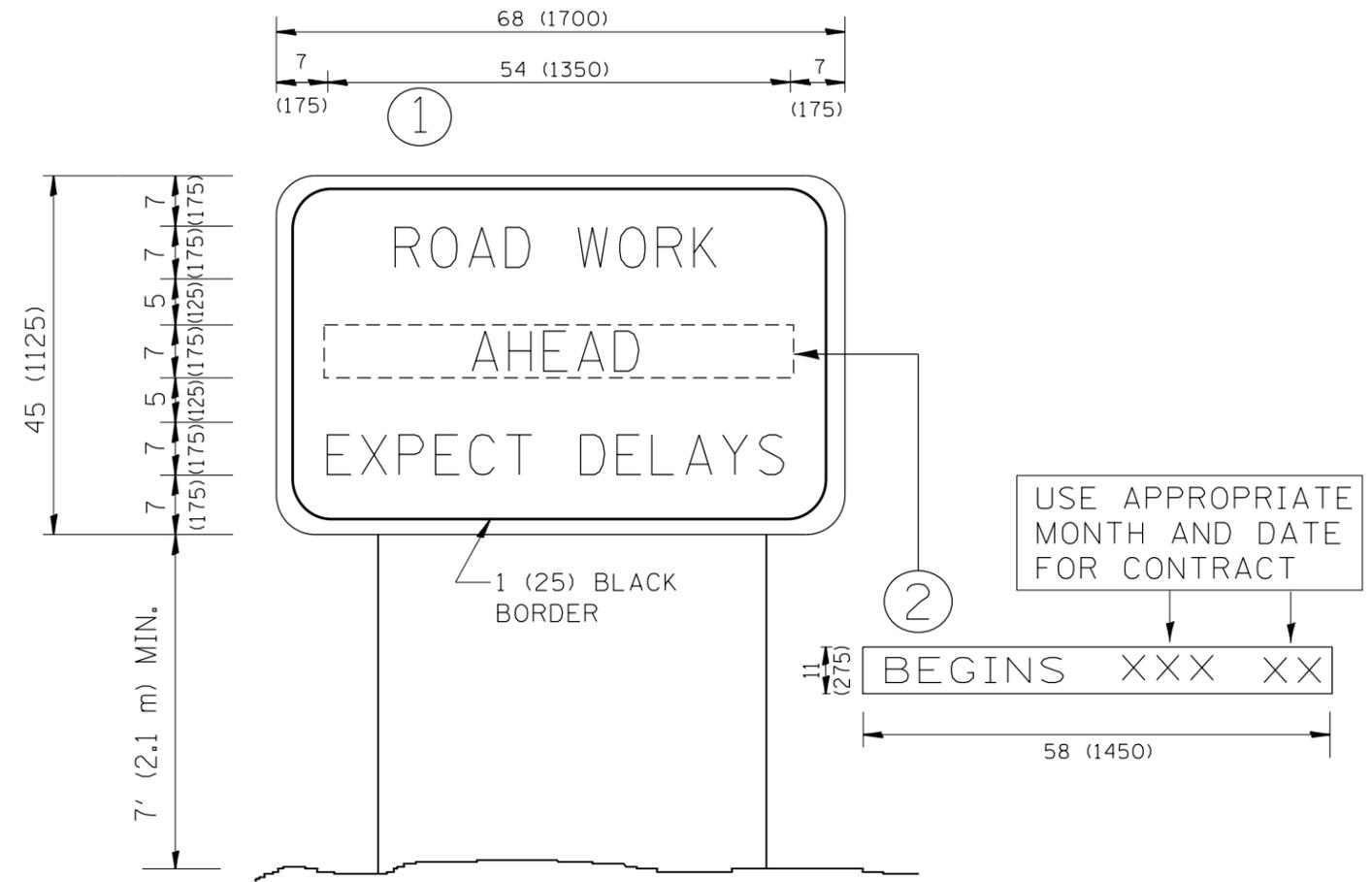
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 2/10/2014	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.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	18
TC-13		CONTRACT NO. 60W58		
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.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	T-6-23-1-2	DUPAGE	19	19
TC-22		CONTRACT NO. 60W58		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				