

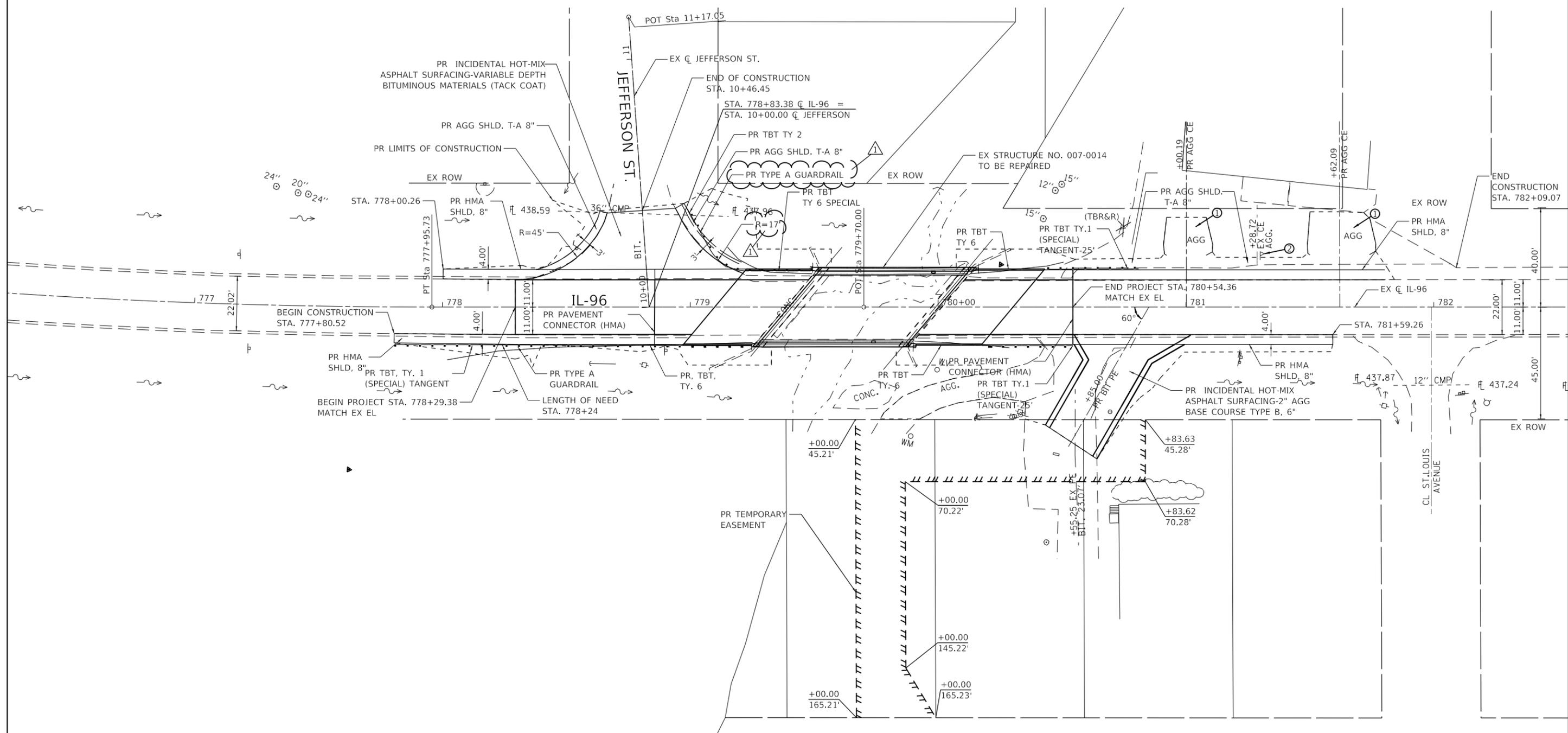
SEEDING									
LOCATION	SEEDING, CLASS 2	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2		
	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE		
IL-96									
777+80.52 TO 779+32.71 RT	0.013	0.013	1.2	1.2	1.2	0.03	0.013		
778+00.26 TO 778+63.57 LT	0.004	0.004	0.4	0.4	0.4	0.01	0.004		
778+97.48 TO 779+56.90 LT	0.019	0.019	1.7	1.7	1.7	0.04	0.019		
779+83.10 TO 780+58.45 RT	0.037	0.037	3.3	3.3	3.3	0.07	0.037		
780+07.29 TO 780+92.19 LT	0.009	0.009	0.8	0.8	0.8	0.02	0.009		
780+64.06 TO 781+59.26 RT	0.008	0.008	0.7	0.7	0.7	0.02	0.008		
781+08.19 TO 781+50.05 LT	0.001	0.001	0.1	0.1	0.1	0.00	0.001		
TOTAL	0.09	0.09	8	8	8	0.2	0.09		
PAY	0.25	0.25				PAY	0.25		

GUARDRAIL									
STATION	TRAFFIC BARRIER TERMINAL,				STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	BARRIER WALL REFLECTORS, TYPE C	GUARDRAIL REMOVAL
	TYPE 2	TYPE 6	TYPE 1, (SPECIAL)	TYPE 6 (SPECIAL)					
	EACH	EACH	EACH	EACH					
777+87.27 TO 779+24.72 RT		1	1		50.0	1	4		
778+01.80 TO 779+25.14 RT									124
778+13.16 TO 780+50.62 LT									28
778+96.16 TO 779+51.42 LT	1		1		12.5	1	4		37
779+15.05 TO 779+49.21 LT									
779+51.90 TO 780+12.29 RT								2	
779+27.71 TO 779+88.10 LT								2	
779+88.61 TO 780+54.38 RT		1	1				4		
779+90.45 TO 780+28.68 RT									38
780+12.81 TO 780+80.92 LT		1	1			1	4		
TOTAL	1	3	3	1	62.5	3	16	4	237

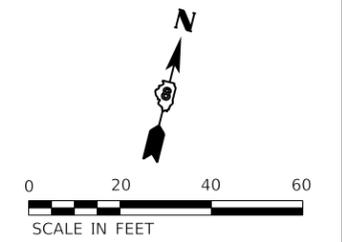


REV. 4-16-2019

- ① PR AGGREGATE SURFACE COURSE, TYPE A, VARIABLE DEPTH
- ② PR MAILBOX LOCATION STA. 29+97, 22.31' LT RELOCATE EXISTING MAILBOX



△ REV. 4-16-2019



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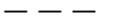
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-96 BRIDGE REHABILITATION
PLAN

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 773+00.00 TO STA. 787+89.84

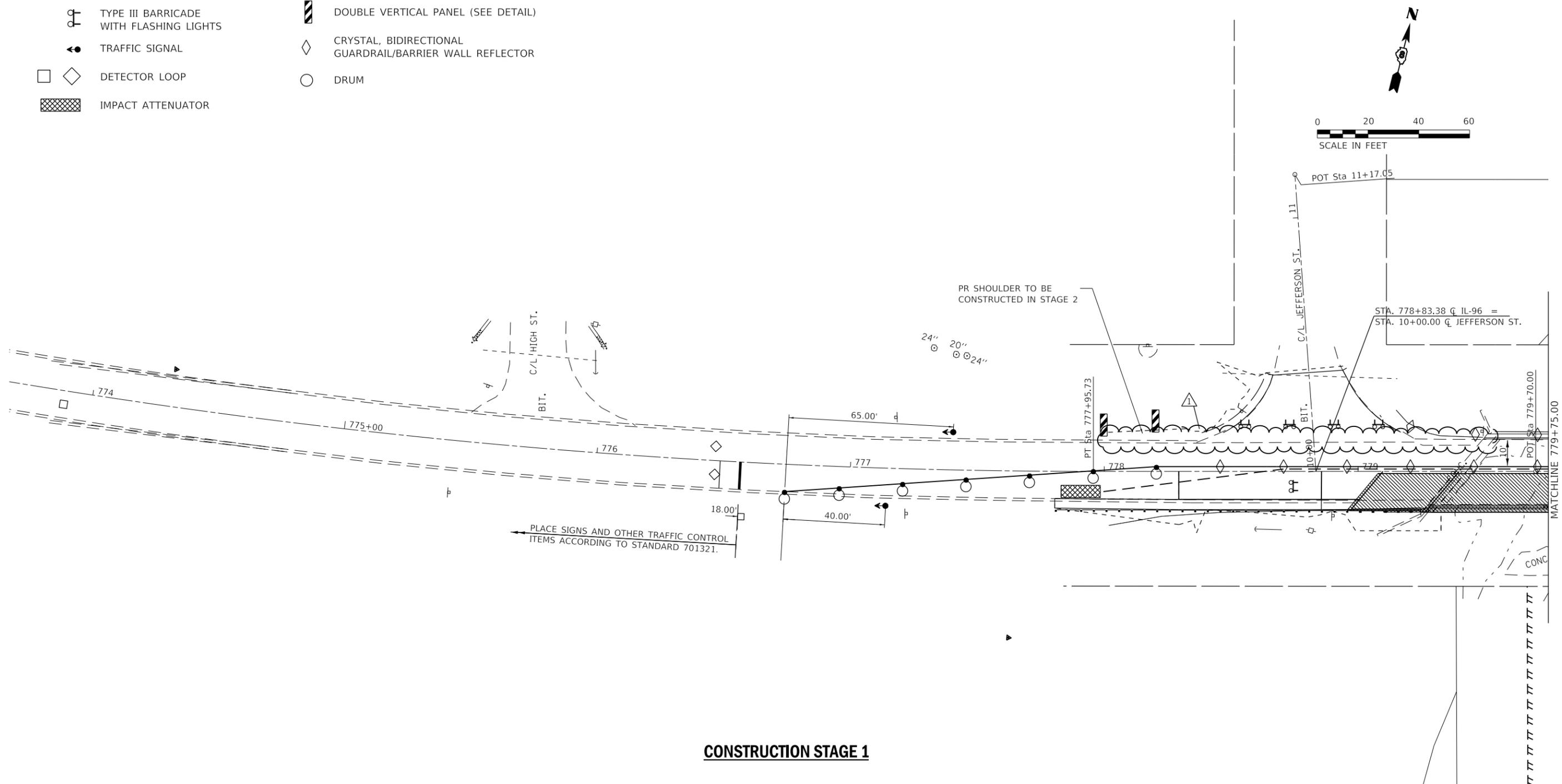
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6B-3	CALHOUN	53	12
CONTRACT NO. 76J17				
ILLINOIS FED. AID PROJECT				

SYMBOLS

-  WORK AREA
-  SIGN
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TRAFFIC SIGNAL
-  DETECTOR LOOP
-  IMPACT ATTENUATOR
-  DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
-  TEMPORARY CONCRETE BARRIER
-  DOUBLE VERTICAL PANEL (SEE DETAIL)
-  CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
-  DRUM

STAGE 1 GENERAL NOTES

1. JEFFERSON STREET SHALL BE CLOSED AT THE INTERSECTION WITH IL-96 USING TYPE III BARRICADES AND ROAD CLOSED SIGNS AS SHOWN ON HIGHWAY STANDARD 701901.
2. THE PRIVATE DRIVE AT STA. 780+57.25 SHALL BE CLOSED AT THE INTERSECTION WITH IL-96 USING TYPE III BARRICADES AND ROAD CLOSED SIGNS AS SHOWN ON HIGHWAY STANDARD 701901.
3. HIGHWAY STANDARD 701321 SHALL BE USED DURING PROPOSED WORK TO THE EXISTING STRUCTURE.



CONSTRUCTION STAGE 1

REV. 4-16-2019

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PLOT DATE = 4/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL-96 BRIDGE REHABILITATION
SUGGESTED TRAFFIC CONTROL AND MAINTENANCE**

SCALE: 1"=20' SHEET 1 OF 4 SHEETS STA. 773+00.00 TO STA. 779+75.00

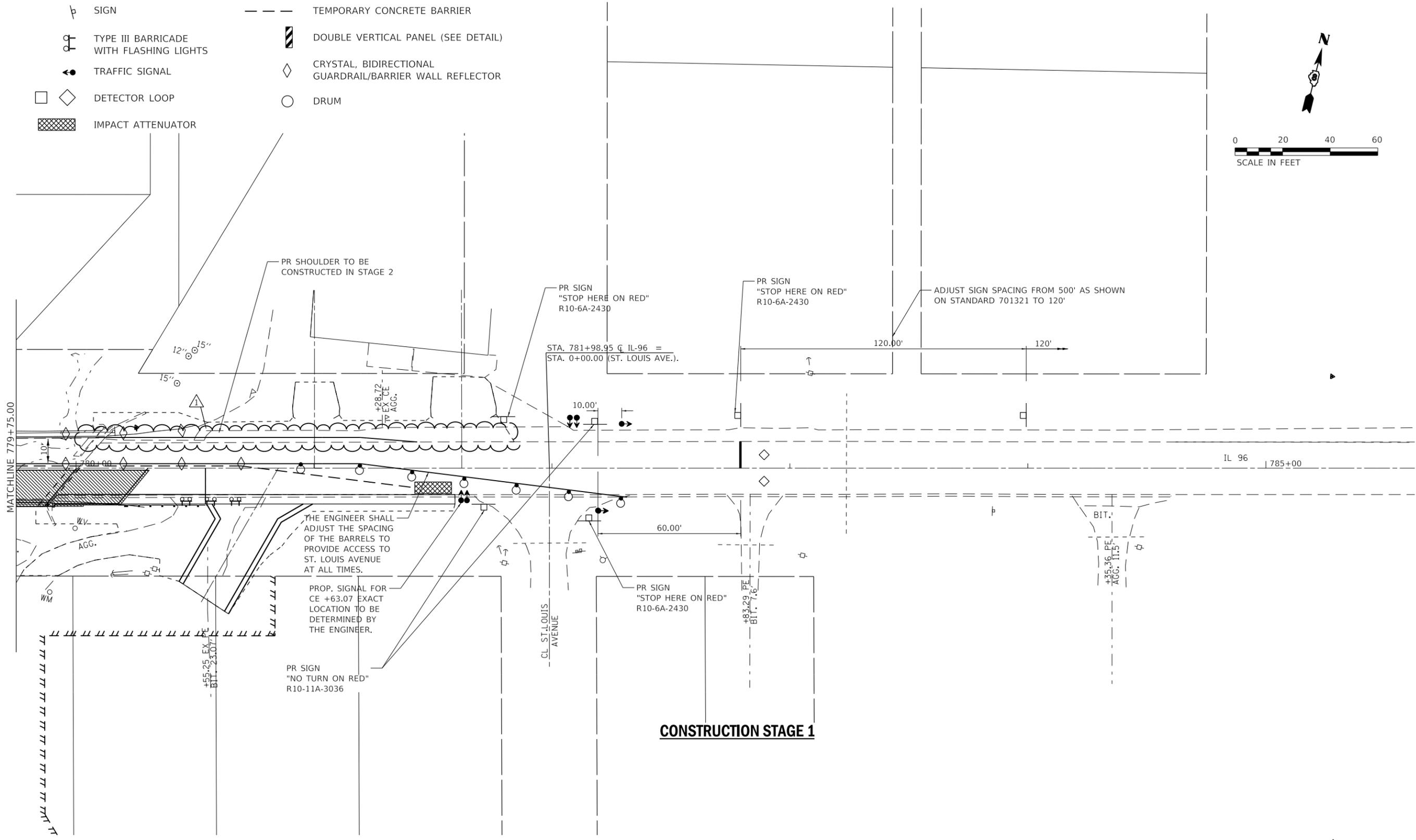
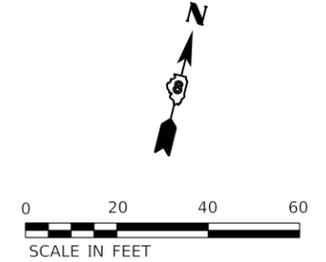
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304	6B-3	CALHOUN	53	15
CONTRACT NO. 76J17				
ILLINOIS FED. AID PROJECT				

SYMBOLS

-  WORK AREA
-  SIGN
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TRAFFIC SIGNAL
-  DETECTOR LOOP
-  IMPACT ATTENUATOR
-  DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
-  TEMPORARY CONCRETE BARRIER
-  DOUBLE VERTICAL PANEL (SEE DETAIL)
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3. HIGHWAY STANDARD 701321 SHALL BE USED DURING PROPOSED WORK TO THE EXISTING STRUCTURE.



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REV. 4-16-2019

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PLOT DATE = 4/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL-96 BRIDGE REHABILITATION
SUGGESTED TRAFFIC CONTROL AND MAINTENANCE**

SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. 779+75.00 TO STA. 785+20.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6B-3	CALHOUN	53	16
CONTRACT NO. 76J17				
ILLINOIS FED. AID PROJECT				

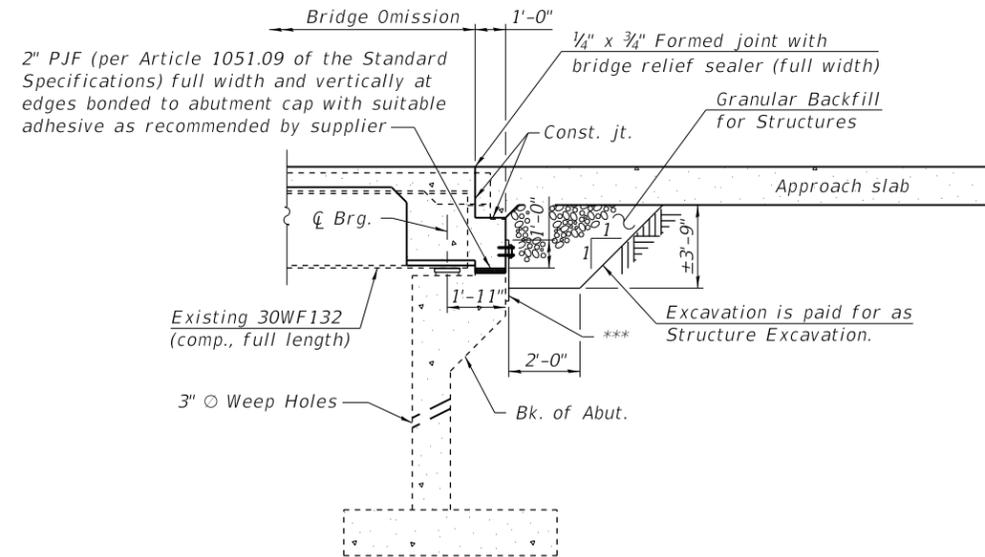
GENERAL NOTES

- No field welding is permitted except as specified in the contract documents.
- Reinforced 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.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- 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.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Existing structural steel beams shall be painted for a distance of 4'-0" at each end and for entire length on exterior face of fascia beams.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.			31
Concrete Removal	Cu. Yd.		7.8	7.8
Removal of Existing Concrete Deck	Each	1		1
Structure Excavation	Cu. Yd.		66	66
Bridge Deck Grooving	Sq. Yd.	391		391
Concrete Structures	Cu. Yd.		28.2	28.2
Concrete Superstructure	Cu. Yd.	89.4		89.4
Protective Coat	Sq. Yd.	456		456
Furnishing and Erecting Structural Steel	Pound	1,340		1,340
Concrete Superstructure (Approach Slab)	Cu. Yd.	86.8		86.8
Stud Shear Connectors	Each	1,008		1,008
Reinforcement Bars, Epoxy Coated	Pound	47,450	4,340	51,790
Bar Splicers	Each	340	80	420
Name Plates	Each			1
Elastomeric Bearing Assembly, Type I	Each	7		7
Anchor Bolts, 3/8"	Each	28		28
Epoxy Crack Injection	Foot		29	29
Granular Backfill for Structures	Cu. Yd.		45	45
Drainage Scuppers, DS-11	Each	2		2
Jack and Remove Existing Bearings	Each	14		14
Containment and Disposal of Lead Based Paint Cleaning Residues No. 1	L Sum			1
Cleaning and Painting Steel Bridge No. 1	L Sum			1
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.		33	33
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq. Ft.		7	7
Preformed Joint Filler	Foot	99		99



SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. Z's)

***Fabric Reinforced Elastomeric Mat according to Section 1028 of the Standard Specifications. Fabric mat shall be 24" wide and attached full width and vertically at edges to the abutment cap with a 3/8" x 5" steel plate and 1/2" Ø studs with nuts and washers at 12" cts. Cost included with Concrete Superstructure.

REV. 4-16-2019

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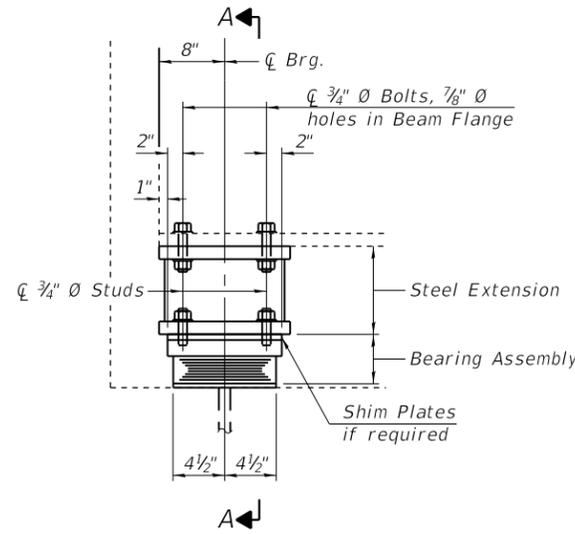
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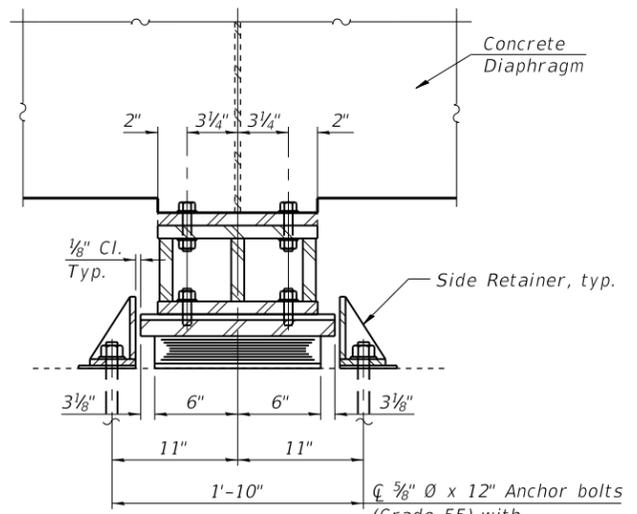
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STRUCTURE NO. 007-0014

SHEET 2 OF 21 SHEETS

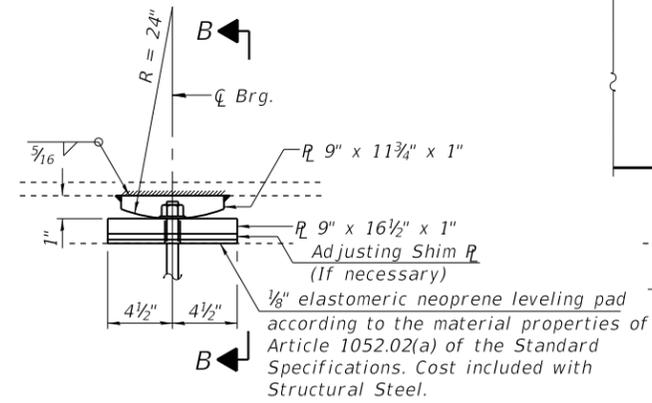
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304	6B-3	CALHOUN	53	26
CONTRACT NO. 76117			ILLINOIS FED. AID PROJECT	



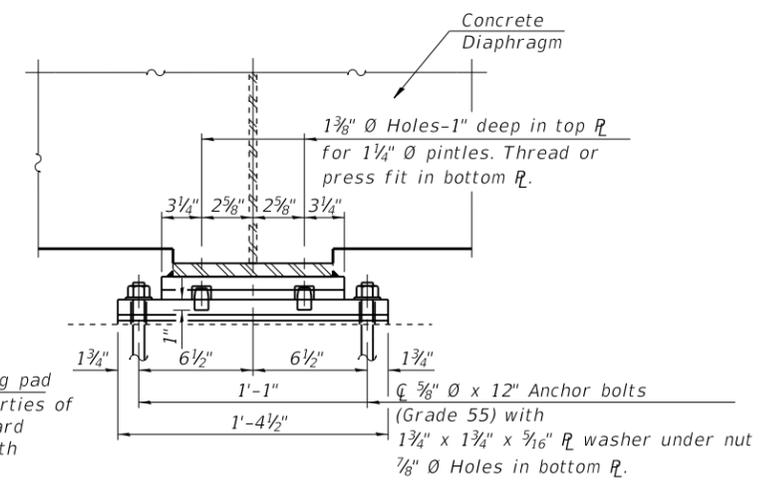
ELEVATION AT W. ABUT.



SECTION A-A



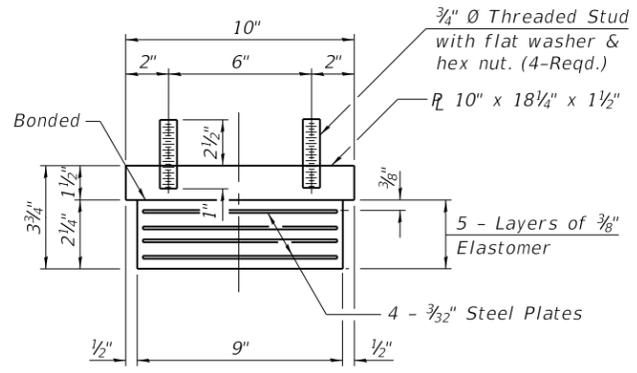
ELEVATION AT E. ABUT.



SECTION B-B

FIXED BEARING

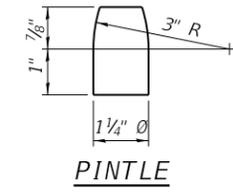
TYPE I ELASTOMERIC EXP. BRG.



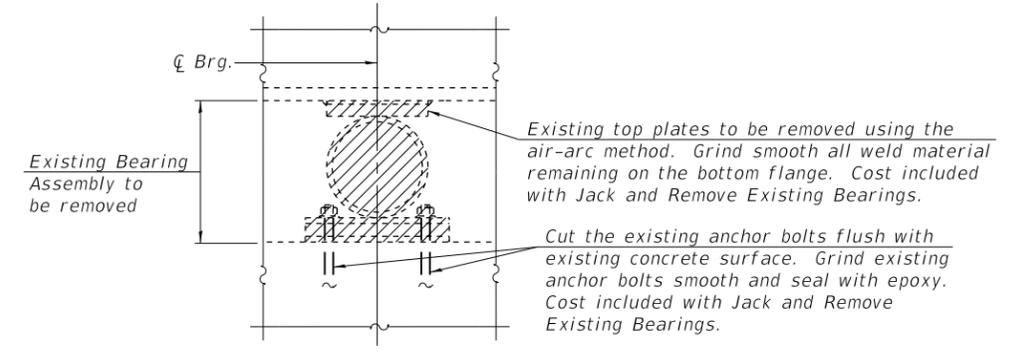
BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.

Notes:
All bearing plates shall be AASHTO M270 Grade 50.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
Field drill holes into existing beamseat and epoxy grout threaded anchor bolts to avoid existing reinforcement bars.
Contractor shall field drill and set 5/8" dia. threaded rods into existing concrete beamseat to avoid existing reinforcement bars according to Article 509.06 of the Standard Specifications.
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
Steel extensions and connection bolts are included with Furnishing and Erecting Structural Steel.



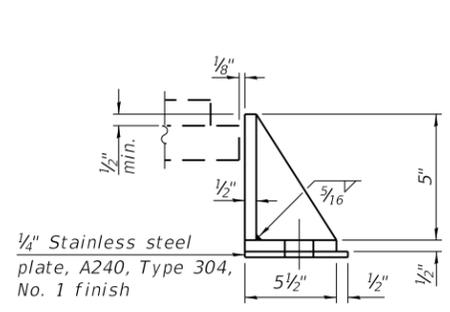
PINTLE



JACK AND REMOVE EXISTING BEARING PROCEDURE

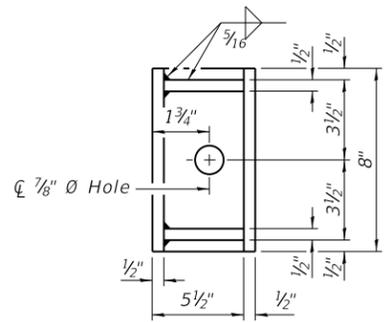
1. The contractor shall submit for approval by the engineer, plans for jacking existing beams and installing new bearings prior to commencing any related work. The maximum dead load reaction per beam (weight of steel only) is 4.7k at the abutments.
2. Prior to ordering any material, the contractor shall verify shim plate thickness required at each bearing.
3. Jack and Remove Existing bearings shall be done after the existing deck is removed and prior to placing the new deck.
4. Jacking shall be limited to a maximum of 1/4" lift to remove existing bearing.
5. The new bearings and shim plates shall be in place and the jacks shall be lowered before the new concrete deck is poured.

Note: Hatched area indicates Removal of Existing Bearing.

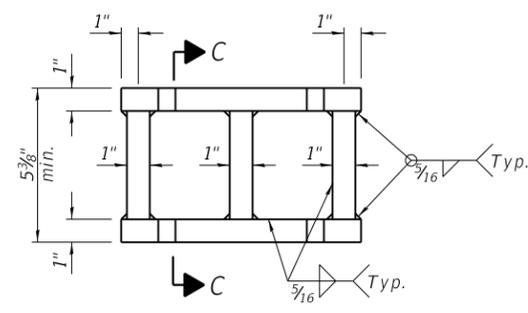


SIDE RETAINER

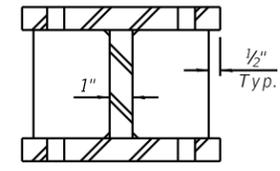
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



PLAN STEEL EXTENSION



ELEVATION STEEL EXTENSION



SECTION C-C

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	1,340
Elastomeric Bearing Assembly Type I	Each	7
Anchor Bolts, 5/8"	Each	28
Jack and Remove Existing Bearings	Each	14

REV. 4-16-2019

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	CHECKED - SSM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 007-0014

SHEET 17 OF 21 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			53	41
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				