

PAT ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	0006 RESTORATION AND REHABILITATION 90% FED/10% STATE		0013 BRIDGE REHABILITATION 90% FED/10% STATE		0021 SAFETY 90% FED/10% STATE		0031 LANDSCAPE 90% FED/10% STATE	
				COOK	WILL	COOK	WILL	COOK	WILL	COOK	WILL
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	7.5		7.5						
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4					2	2		
72900100	METAL POST - TYPE A	FOOT	27		27						
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4,440	2,401	2,039						
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	15					8	7		
* 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	8					4	4		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	44					22	22		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	28					28			
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	4	2	2						
<input type="checkbox"/> X0325893	CLEAN EXISTING END SECTION	EACH	10	6	4						
X0326664	CURED-IN-PLACE PIPE LINER, 36"	FOOT	128	62	66						
X0327123	CURED-IN-PLACE PIPE LINER, 8"	FOOT	183	94	89						
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,150	575	575						
X0900027	PROTECTIVE SHIELD (PERMANENT) REMOVAL	SQ FT	2,556			1,278	1,278				
<input type="checkbox"/> X5420624	PIPE CULVERTS TO BE CLEANED 24"	FOOT	686	686							
<input type="checkbox"/> X5420630	PIPE CULVERTS TO BE CLEANED 30"	FOOT	72	34	38						
<input type="checkbox"/> X5420636	PIPE CULVERTS TO BE CLEANED 36"	FOOT	192	94	98						
<input type="checkbox"/> X5537600	STORM SEWERS TO BE CLEANED 8"	FOOT	183	94	89						

**LEGEND**

\* - DENOTES SPECIALTY ITEM

NON-PART 100% STATE

2 REVISED SHEET 4/6/2021

REV-SEP

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**HDR**  
 HDR  
 9450 W. BRYN MAWR AVE.  
 ROSEMONT, IL 60018

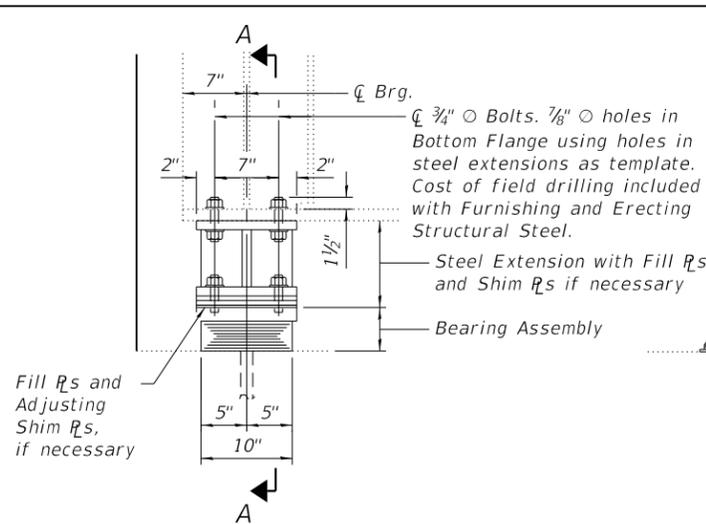
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PLOT DATE = 3/8/2021	DATE - 03/08/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 STEGER ROAD**

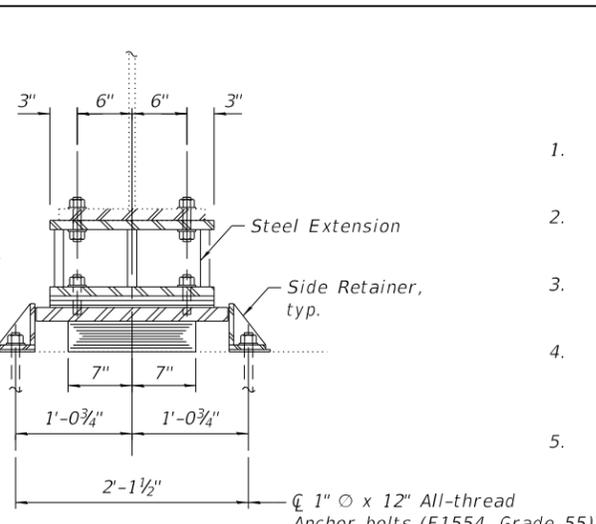
SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2020-009-BR	COOK/WILL	71	7
CONTRACT NO. 62K80				
ILLINOIS FED. AID PROJECT				



**ELEVATION AT ABUT.**

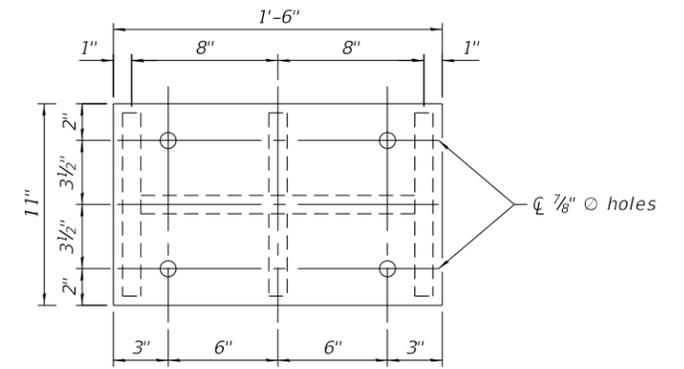
(Number of bearings required is 12)



**SECTION A-A**

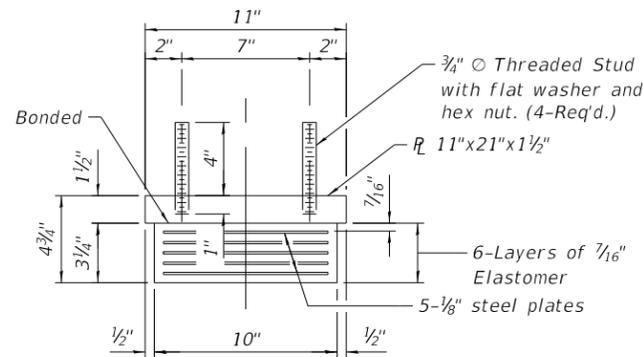
**JACK AND REMOVE EXISTING BEARINGS PROCEDURE**

1. The Contractor shall submit, for approval by the Engineer, plans for jacking and removing the existing bearings at the Abutments prior to jacking existing girders.
2. Jacking and removal of existing bearing shall be done after the existing deck is removed and before the new deck is poured.
3. At the bearings to be removed, the maximum dead load reaction per beam (weight of steel only) is 7.3 kips. The minimum jack capacity is 11.0 kips.
4. The new bearings and steel extensions shall be in place and the jacks lowered prior to pouring the new concrete deck. See Special Provisions for Jack and Remove Existing Bearings.
5. Prior to ordering any material, the Contractor shall verify the steel extension height required at each bearing.



**PLAN TOP AND BOTTOM STEEL EXTENSION PLATE**

**TYPE I ELASTOMERIC EXP. BRG.**



**BEARING ASSEMBLY**

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

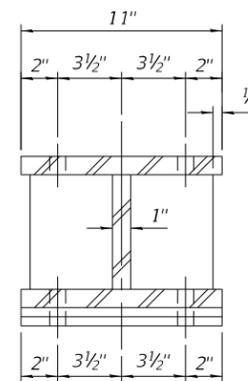
Notes:  
Anchor bolts shall be ASTM F1554 all threaded (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

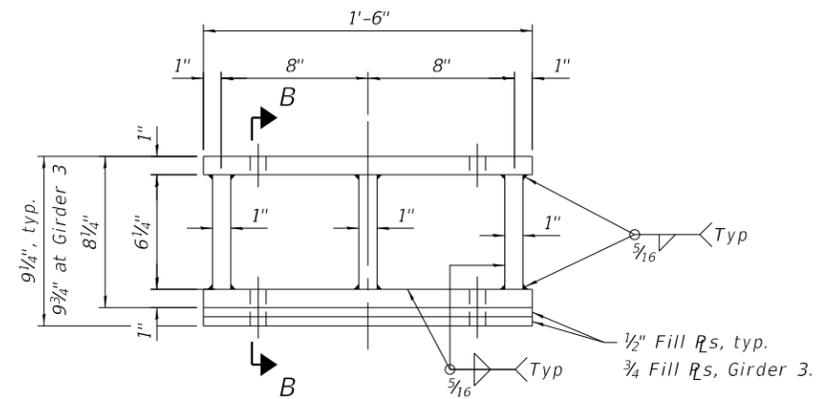
The Steel Extension shall be paid for as Furnishing and Erecting Structural Steel.

Provide 2 Fill Plates as shown with Steel Extension, paid for as Furnishing and Erecting Structural Steel. Fill plates are to be installed with the Steel Extensions as shown. Fill plates may only be omitted at bearing locations where including them would result in a negative fillet over the top flange. To be verified in field by Contractor.

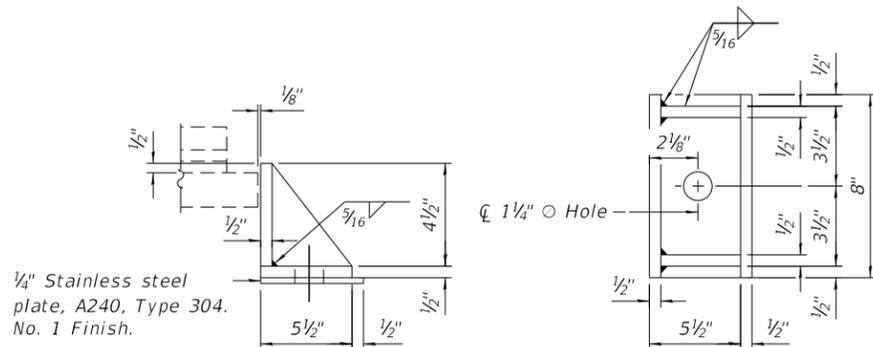
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates and placed as shown on bearing details.



**SECTION B-B**

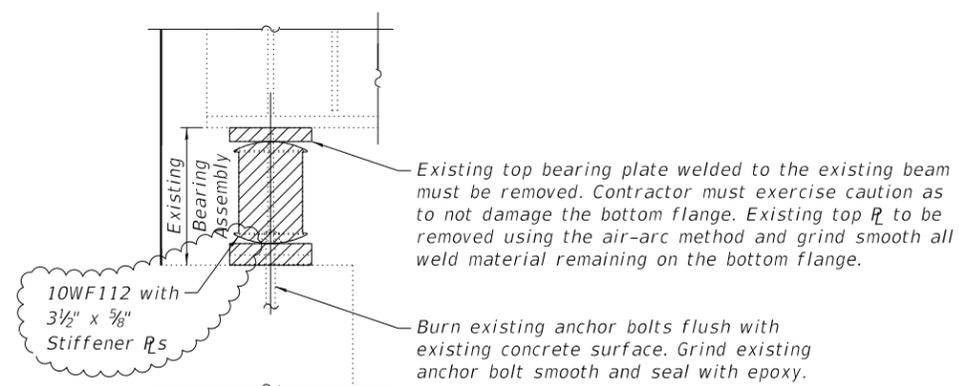


**STEEL EXTENSION DETAIL**



**SIDE RETAINER**

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



**EXISTING BEARING REMOVAL DETAIL**

Cost included with Structural Steel Removal.

**BEARINGS BILL OF MATERIAL**

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	3,250
Elastomeric Bearing Assembly, Type I	Each	12
Anchor Bolts, 1"	Each	24
Jack and Remove Existing Bearings	Each	12
Structural Steel Removal	Pound	4,210

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS  
STRUCTURE NO. 016-1108

SHEET 5-17 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2020-009-BR	COOK/WILL	71	35
CONTRACT NO. 62K80				
ILLINOIS FED. AID PROJECT				

2 REVISED SHEET 4/8/2021

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REVISED - ADDENDUM 1 4/2/21  
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