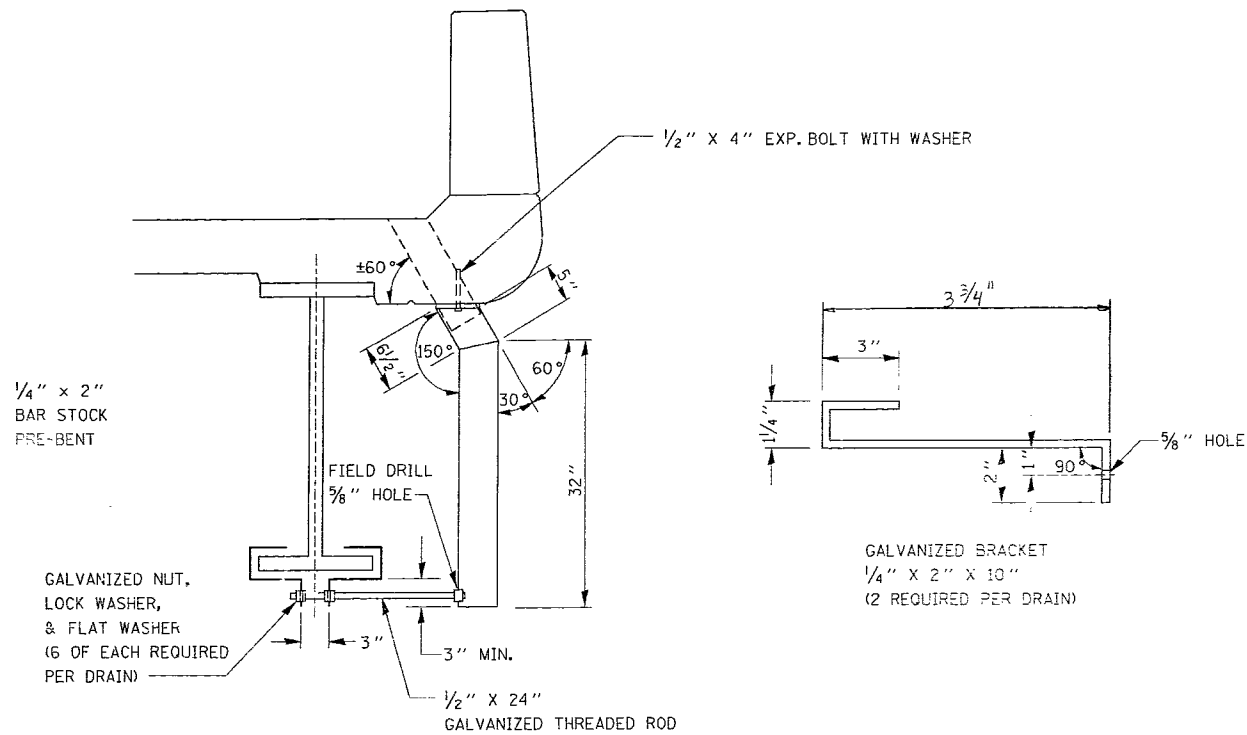
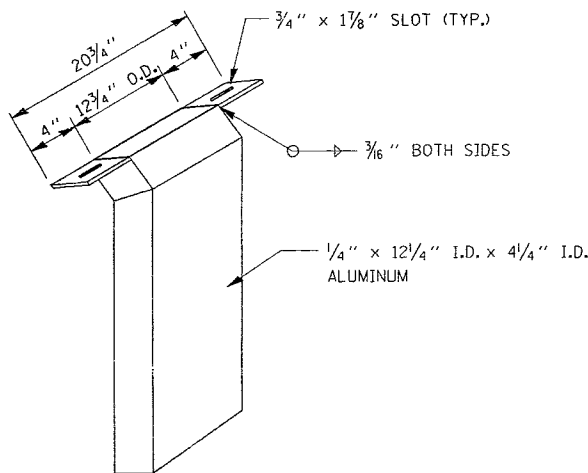


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	FEET	POST	SHEET NO.
57	*	IROQUOIS	127	32	4 SHEETS
* (38-5)RS-1					



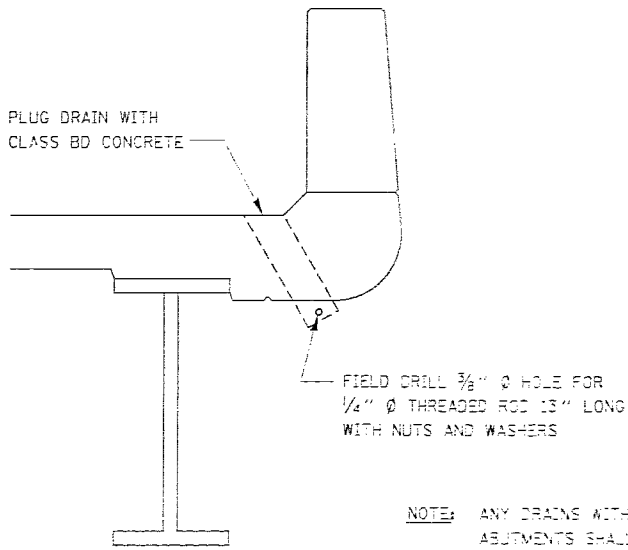
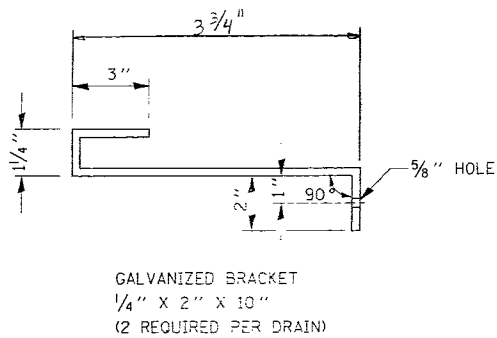
BRACKET DETAIL



DECK DRAIN EXTENSION

DESIGNED	19
CHECKED	
DRAWN	
CHECKED	

EXAMINED	ENGINEER OF BRIDGE DESIGN
PASSED	ENGINEER OF BRIDGES AND STRUCTURES



**SECTION AT DRAIN
DRAIN ELIMINATION DETAIL**

NOTE: ANY DRAINS WITHIN 10' OF THE PIER AND ABUTMENTS SHALL BE ELIMINATED. SPACING BETWEEN DRAINS SHALL BE DOUBLED BY PLUGGING EVERY OTHER EXISTING DRAIN.

GENERAL NOTES

All structural steel shall be AASHTO M 270 Grade 36 unless otherwise noted.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the 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 should take appropriate precautions to deal with the presence of lead on this project.

All Structural steel shall be shop painted with inorganic zinc rich primer per AASHTO M300, Type 1. The cost shall be included in "Furnishing and Erecting Structural Steel."

The limits of all Slope wall removal shall be saw cut prior to removal. The depth of saw cut shall be 3/4" unless shown elsewhere in the plans.

Slope wall shall be reinforced with welded wire fabric, 6"x6" W4.0xW4.0, weighing 58 lbs. per 100 sq. ft.

Existing structural steel shall only be cleaned as required by the Special Provision, "Cleaning and Painting Adjacent Areas of Existing Steel Structures."

TOTAL BILL OF MATERIALS

ITEM	QUANTITY
EPOXY CRACK SEALING	16 FOOT
POLYMER MODIFIED PC MORTAR	15 SAFT
SLOPEWALL REMOVAL	100 SQ. YD
SLOPEWALL 4 INCH	100 SQ. YD
SLOPEWALL SLURRY PUMPING	3 CU. YD
FLOOR DRAIN EXTENSIONS	12 EACH
PLUG EXISTING DECK DRAINS	16 EACH
JACK & REMOVE EXISTING BEARINGS	10 EACH
ELASTOMERIC BEARING ASSEMBLY, T-1	10 EACH
FURNISHING & ERECTING STRUCTURAL STEEL	1750 LBS

STRUCTURE REHABILITATION
FAI 57 (RTE 57)
SECTION (38-5)RS-1
IROQUOIS COUNTY
S.N. 038-0086
STA. 541+66.36

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

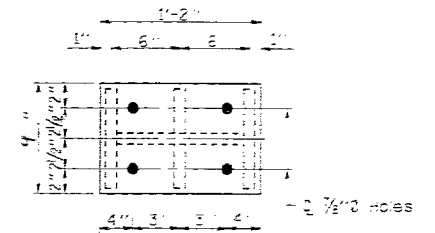
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
57	*	POQUOSIS	127	33
SHEETS				4

* 138-SRS-1

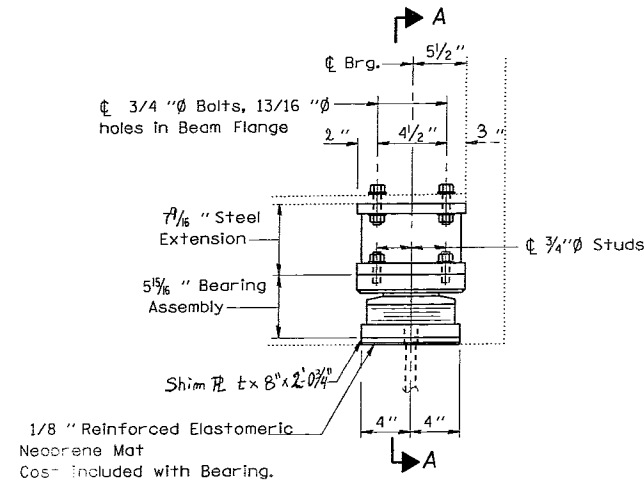
GIRDER REACTIONS

	EAST ABUT.	WEST ABUT.
R2 (K)	16.6	16.1
R4 (K)	34.1	33.7
Imp. (K)	10.1	10
R (Total) (K)	60.8	59.8

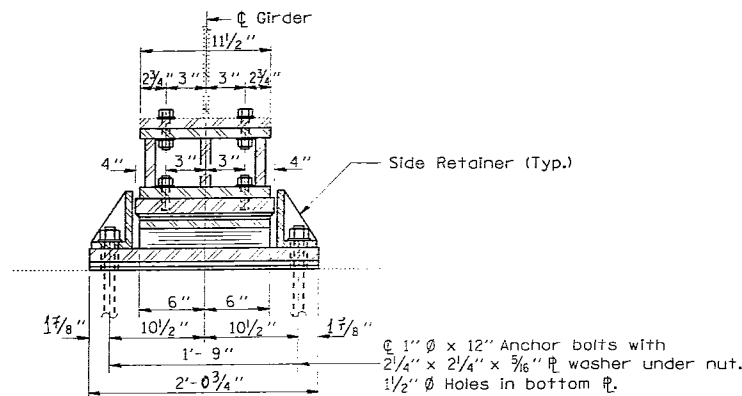
Notes: Diaphragm removal and replacement may be required to facilitate drilling holes. Cost shall be included in the cost of "Furnishing and Erecting Structural Steel".
New steel extensions, side retainers, shim R's, connection bolts, and anchor bolts are included in "Furnishing and Erecting Structural Steel".
See Sheet 4 of 4 for Anchor Bolt Installation.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
Min. jack capacity = 29 Tons
Two 1/8" shims of the dimensions of the bottom bearing plate shall be provided for each bearing in addition to all other plates or shims.



PLAN TOP AND BOTTOM PLATE

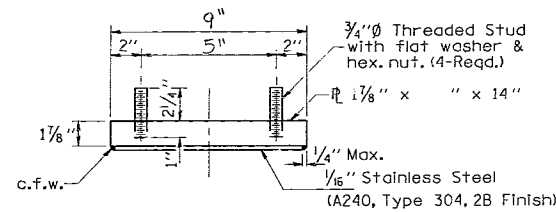


ELEVATION AT EAST & WEST ABUTMENTS

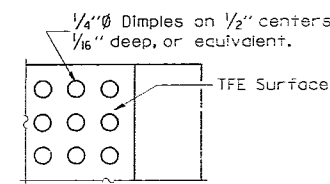


SECTION A-A

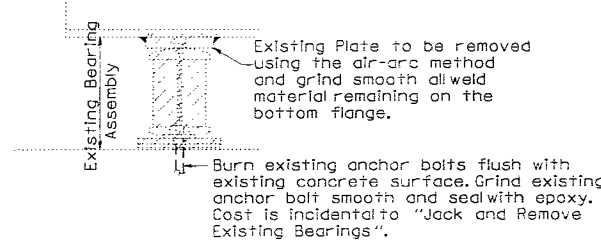
TYPE II TFE ELASTOMERIC EXP. BRG.



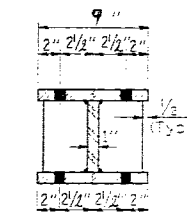
TOP BEARING ASSEMBLY



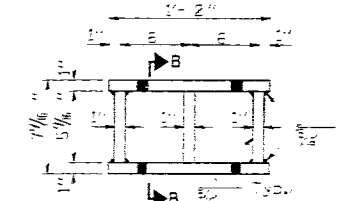
PLAN-TFE SURFACE



EXISTING BEARING REMOVAL DETAIL

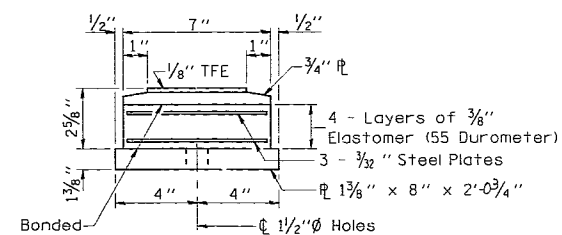
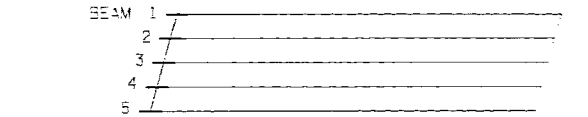


SECTION B-B

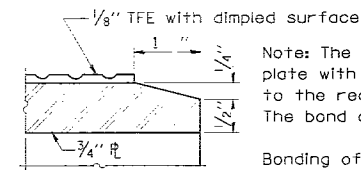


STEEL EXTENSION DETAIL

	Beam #1	2	3	4	5
EAST ABUT.	0	0	1/2"	0	0
WEST ABUT.	0	0	1/2"	0	0



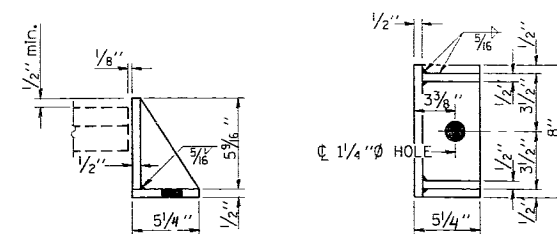
BOTTOM BEARING ASSEMBLY



SECTION THRU TFE

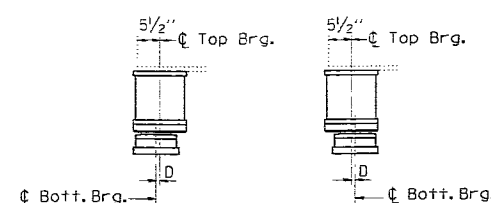
Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



SIDE RETAINER

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



SETTING ANCHOR BOLTS AT EXP. BRG.

D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

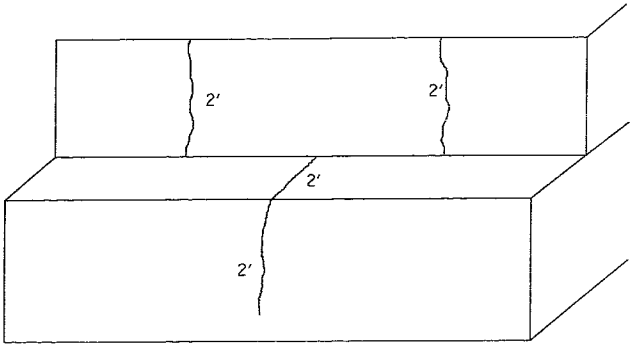
Item	Unit	Total
Elastomeric Bearing Assembly Type II	Beam	10
Furnishing & Erecting Structural Steel	Sq. Ft.	1750
Jack & Remove Exist. Bearings	Beam	10

TYPE II
BEARING REPLACEMENT
EAST & WEST ABUTMENTS
S.N. 038-0086
STA. 541+66.36

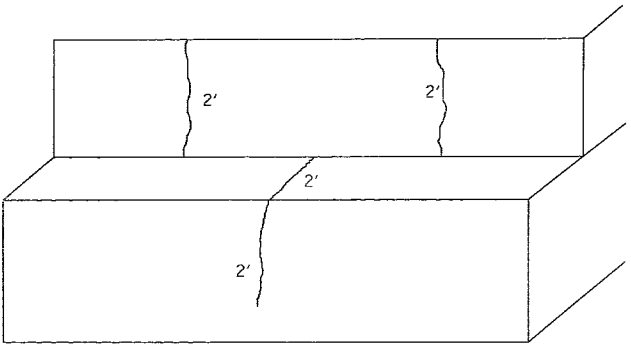
DESIGNED	19
CHECKED	EXAMINED
DRAWN	PASSED
CHECKED	ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

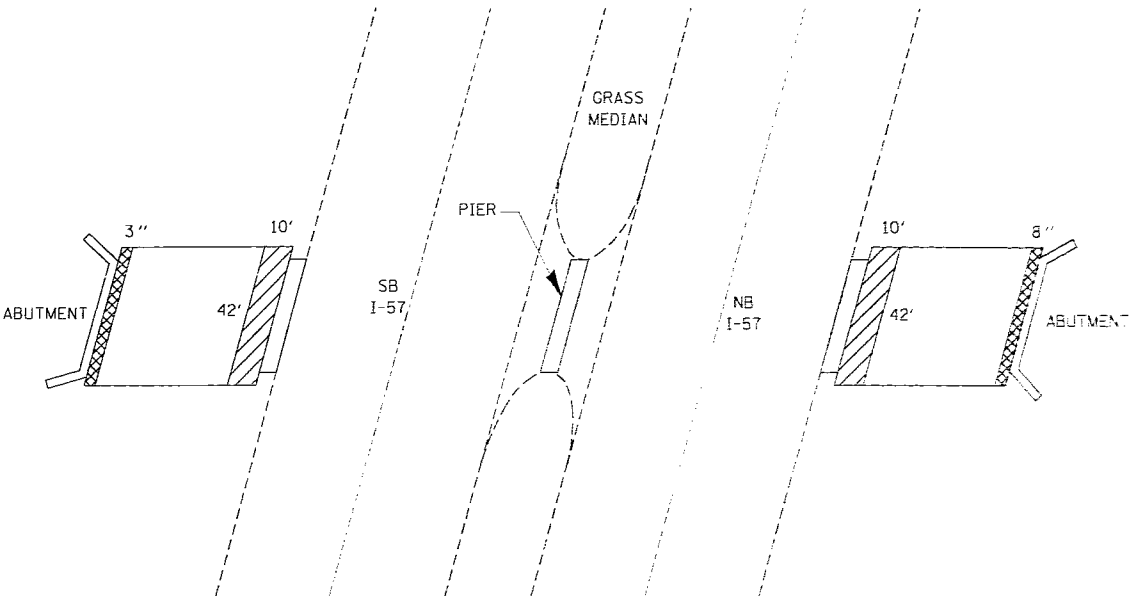
PROJECT NO.	SECTION	COUNTY	SHEET NO.	SHEETS
57	*	IROQUOIS	127	34
* (38-5)RS-1				



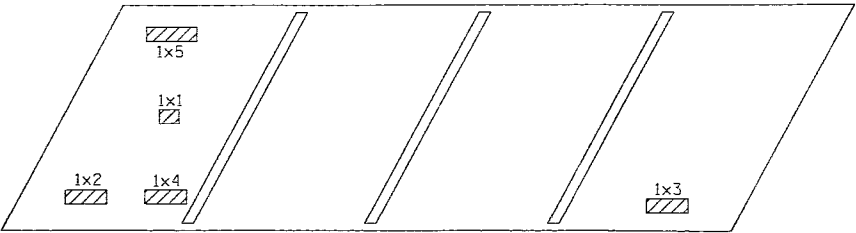
WEST ABUTMENT
EPOXY CRACK SEALING = 8'



EAST ABUTMENT
EPOXY CRACK SEALING = 8'



SLOPEWALL REMOVAL	= 100 SQ YD
SLOPEWALL 6"	= 100 SQ YD
SLOPEWALL SLURRY PUMPING	= 3 CU YD



BOTTOM OF DECK

POLYMER MODIFIED PORTLAND CEMENT MORTAR

BILL OF MATERIALS	
ITEM	QUANTITY
SLOPEWALL REMOVAL	100 SQ YD
SLOPEWALL 6"	100 SQ YD
EPOXY CRACK SEALING	16 FOOT
POLYMER MODIFIED PORTLAND CEMENT MORTAR	25 SQ FT
SLOPEWALL SLURRY PUMPING	3 CU YD

DESIGNED	19
CHECKED	
DRAWN	
CHECKED	

EXAMINED	ENGINEER OF BRIDGE DESIGN
PASSED	ENGINEER OF BRIDGES AND STRUCTURES

STRUCTURE REHABILITATION
FAI 57 (RTE 57)
SECTION (38-5)RS-1
IROQUOIS COUNTY
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