

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.		RI	2	

GENERAL NOTES

Design Specifications

American Association of State Highway and Transportation Officials (AASHTO) Standard Specification for Highway Bridges, 17th Edition.

Construction Specifications

Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, 2008 Edition.

Existing Bridge

The existing Woodruff-Snowflake Bridge over the Little Colorado River, ADOT Structure No. 8156, was built in 1917. The bridge was listed on the National Register of Historic Bridges and relocated to this site in 1939.

Construction Loads

The Contractor shall limit the construction loading on the bridge deck during construction to no greater than posted live load of 5 tons.

Structural Steel

All new structural steel shall be ASTM A708, Grade 50W (A588 Self Weathering Steel).

All fasteners, unless otherwise noted, shall be round headed high strength bolts, ASTM A325, type 3 (self weathering with ASTM A563 grade C nut and one ASTM F436 washer per bolts.

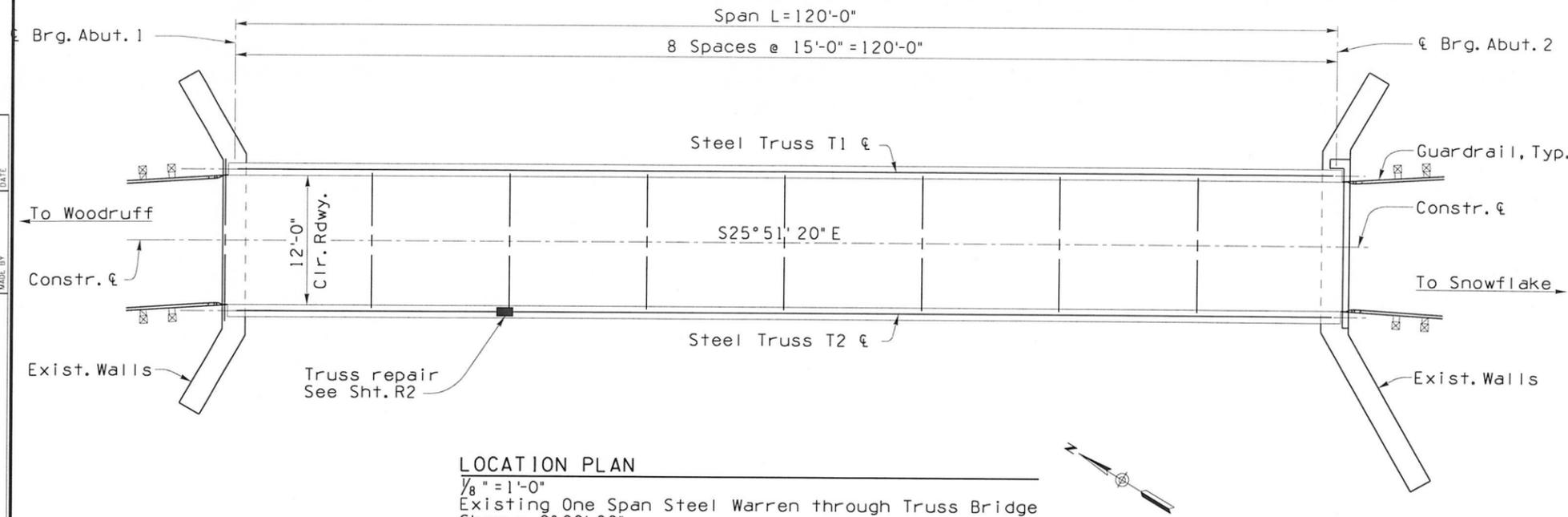
Welding Not Allowed

No welding or flame cutting of steel is allowed. New holes in steel shall be field drilled and existing rivets that need to be replaced shall be ground smooth and rivets removed by hammering stem of rivets out.

Submittals

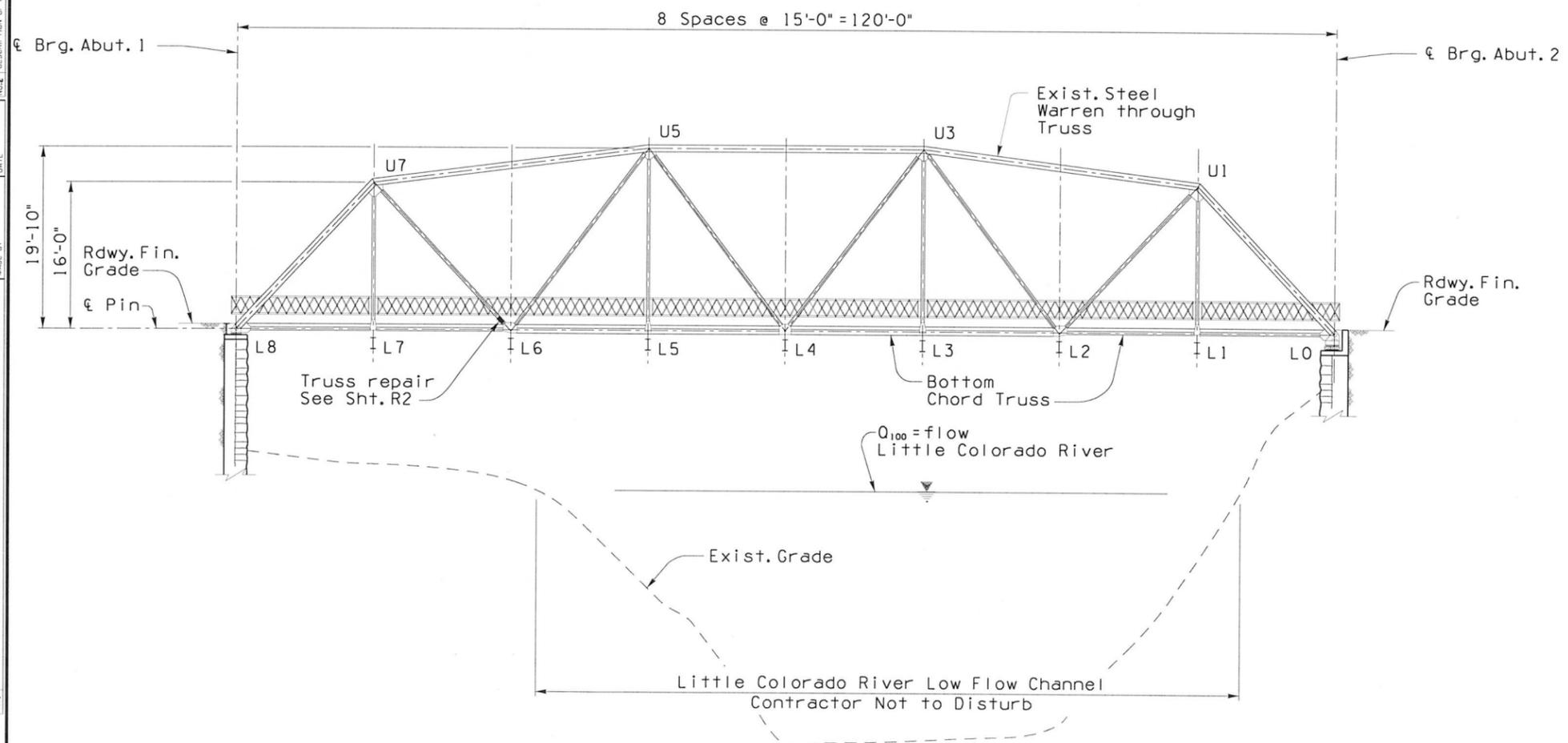
The Contractor shall submit shop drawings to the Engineer for review and approval.

1. Structural Steel Shop Drawings for New Angle, Shims and Bolts.
2. Traffic Control during repair work shall be provided by Navajo County & the bridge shall be closed to all traffic on the bridge.
3. Existing Steel has been painted using red lead paint. The Contractor shall take necessary safety measures to comply with local and state regulations to red lead painted structures.



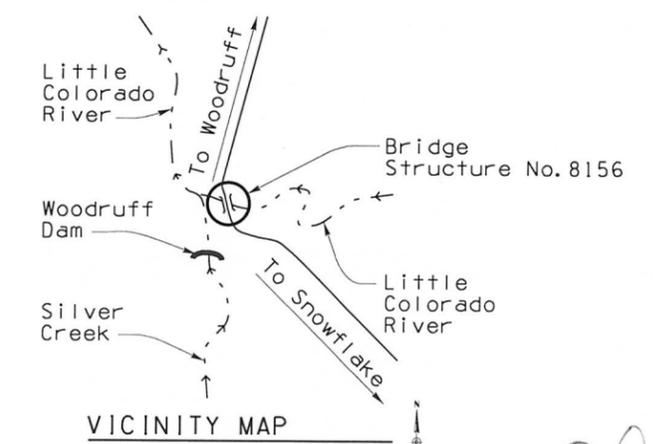
LOCATION PLAN

1/8" = 1'-0"
Existing One Span Steel Warren through Truss Bridge
Skew = 0°00'00"



ELEVATION

1" = 5'-0"



DESIGN	AW	DATE	08/20
DRAWN	DY	DATE	08/20
CHECKED	JAC	DATE	08/20

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NAVAJO COUNTY
DEPARTMENT OF PUBLIC WORKS
**LITTLE COLORADO RIVER BRIDGE
REPAIRS
PLAN, ELEVATION & GENERAL NOTES**

LOCATION: **WOODRUFF-SNOWFLAKE ROAD**

ROUTE: - MILEPOST: - STRUCTURE NO.: **8156**

Expires 6/30/2023
RI OF 2

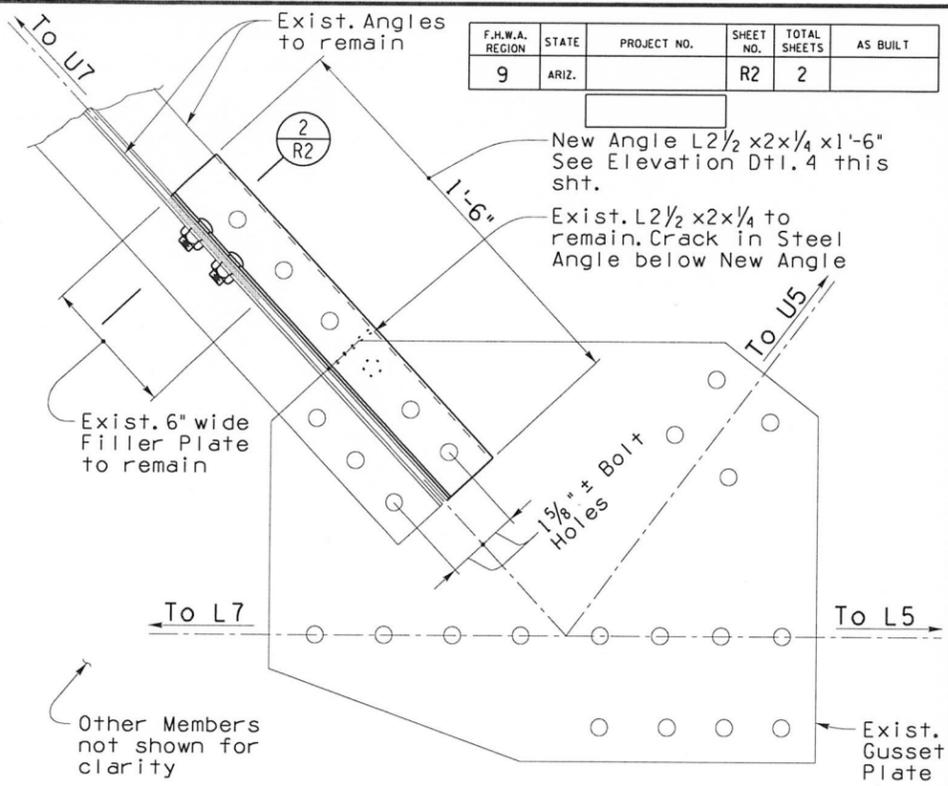
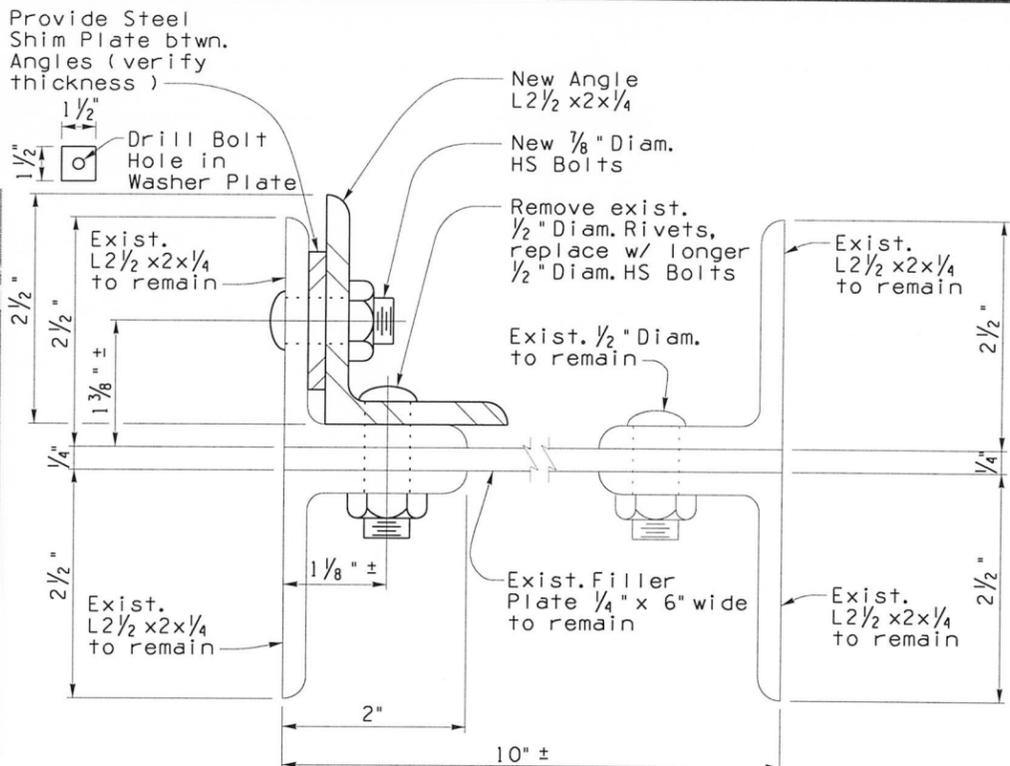
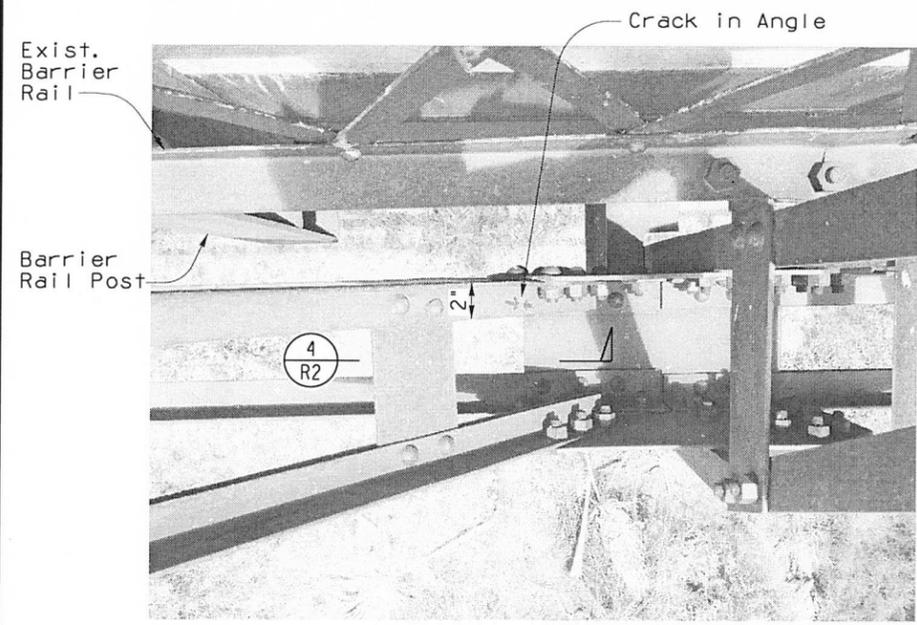


NO. 1 DESCRIPTION OF REVISION DATE MADE BY NO. 2 DESCRIPTION OF REVISION DATE MADE BY

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NO. 1 DESCRIPTION OF REVISION DATE MADE BY NO. 2 DESCRIPTION OF REVISION DATE MADE BY

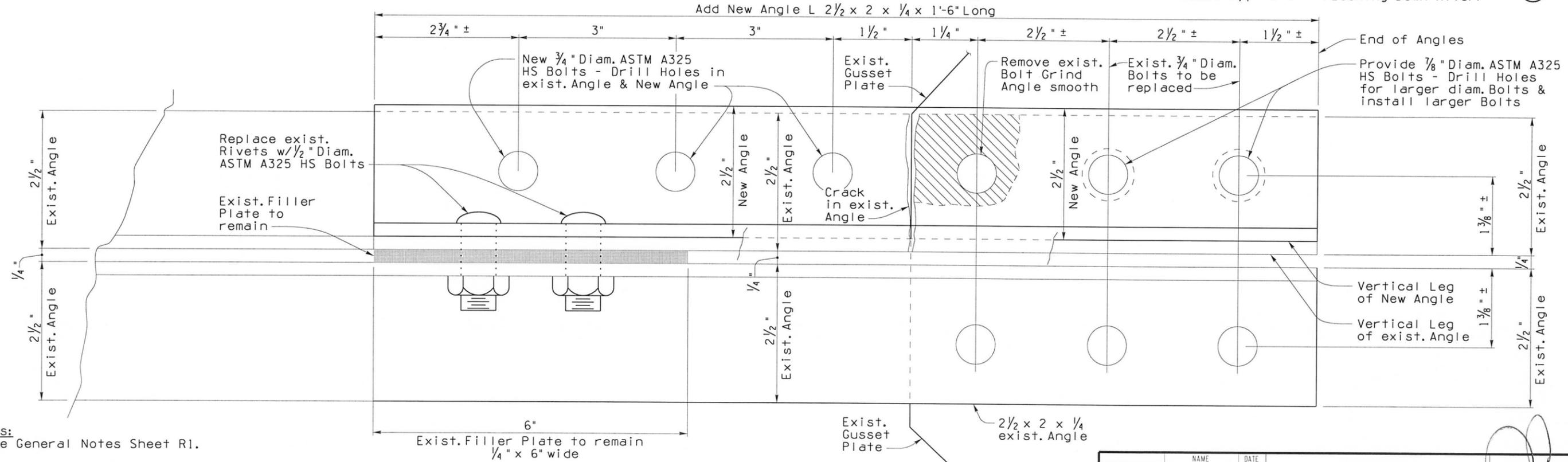
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9	ARIZ.		R2	2	



PLAN - TRUSS T2 PANEL POINT L6 - Crack in Angles ①
No Scale

SECTION - THRU TRUSS DIAGONAL MEMBER L6 U7 ②
Scale : 1" = 1'-0"

ELEVATION - GUSSET PLATE JOINT L6 ③
Scale : 1/4" = 1'-0" (Looking Down River)



- Notes:**
- See General Notes Sheet R1.
 - All high strength bolts shall be ASTM A325 and shall be installed in accordance with AASHTO Specs 11.5.6.4.1 with minimum bolt tensions. 1/2" diameter=12,000psi, 3/4" diameter=28,000 & 7/8" diameter=39,000psi
 - Contractor shall use a Skidmore-Wilhelm Calibrator to very bolt torque or approved equal.

ELEVATION - DIAGONAL TRUSS MEMBER L6 - U7 ④
Scale : 1" = 1'-0"

DESIGN	AW	08/20	NAVAJO COUNTY DEPARTMENT OF PUBLIC WORKS LITTLE COLORADO RIVER BRIDGE REPAIRS REPAIR DETAILS
DRAWN	DY	08/20	
CHECKED	JAC	08/20	

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LOCATION: **WOODRUFF-SNOWFLAKE ROAD**
 ROUTE: - MILEPOST: - STRUCTURE NO.: **8156**

Expires 6/30/2023
R2 OF 2

CALL TWO WORKING DAYS BEFORE YOU DIG
 263-1100
 1-800-STAKE-IT
 (OUTSIDE MARICOPA COUNTY)

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