

SPECIFICATIONS:

MATERIALS AND CONSTRUCTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, FP-03 (U.S. CUSTOMARY UNITS) AND APPLICABLE FOREST SERVICE SUPPLEMENTAL SPECIFICATIONS (FSSS).

SOIL EROSION CONTROL:

SUBMIT AN EROSION CONTROL PLAN DETAILING PERMANENT AND TEMPORARY CONTROL MEASURES TO MINIMIZE EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION IN ACCORDANCE WITH THE PLANS AND STORM WATER PERMITS. DO NOT MODIFY THE TYPE, SIZE, OR LOCATION OF ANY CONTROL WITHOUT APPROVAL. SUBMIT THE EROSION CONTROL PLAN WITH BID PROPOSAL.

REFLECT IN THE EROSION CONTROL PLAN SPECIAL CONCERNS AND MEASURES NECESSARY TO PROTECT RESOURCES AND GOVERNMENT IMPROVEMENTS. INCLUDE:

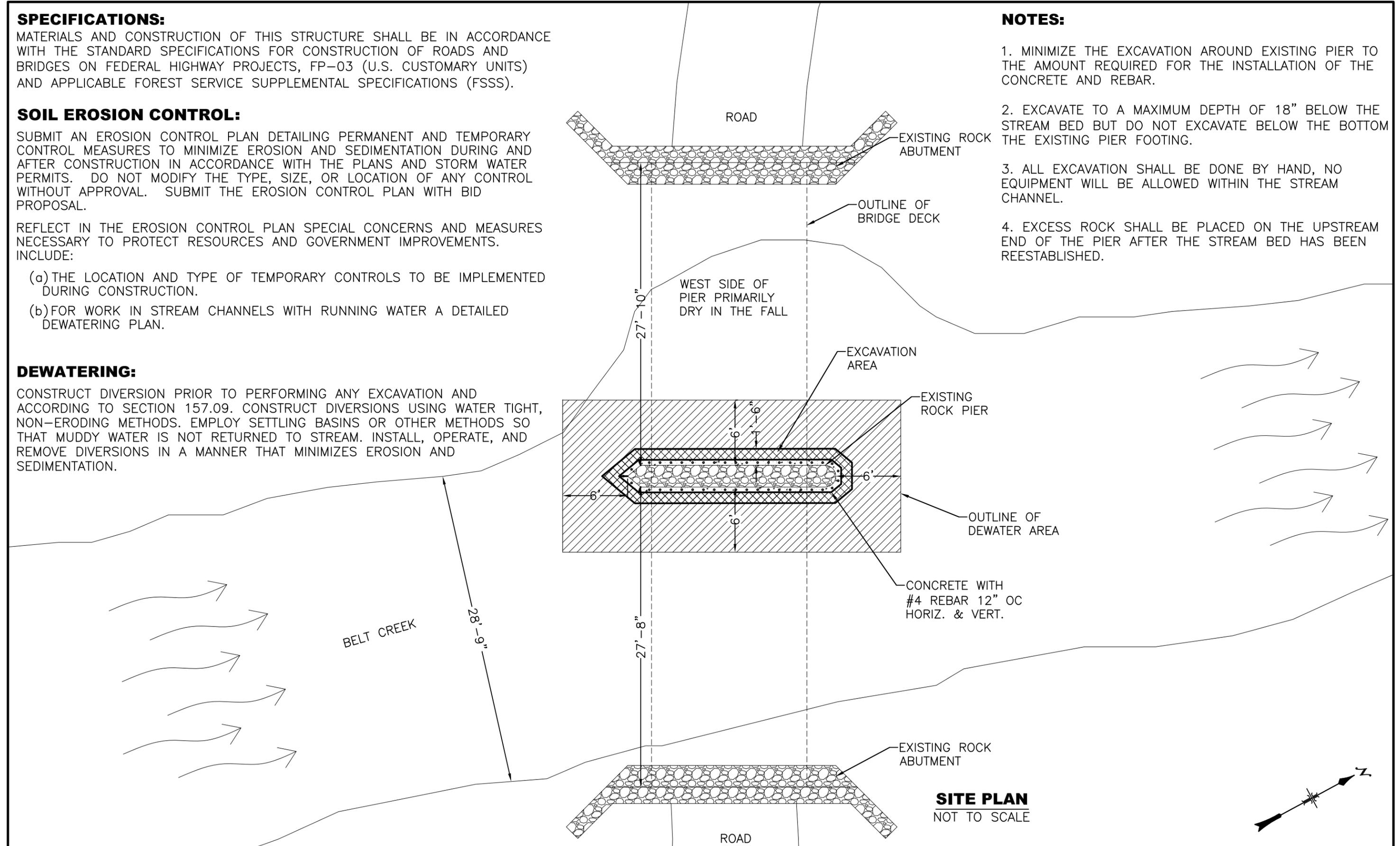
- (a) THE LOCATION AND TYPE OF TEMPORARY CONTROLS TO BE IMPLEMENTED DURING CONSTRUCTION.
- (b) FOR WORK IN STREAM CHANNELS WITH RUNNING WATER A DETAILED DEWATERING PLAN.

DEWATERING:

CONSTRUCT DIVERSION PRIOR TO PERFORMING ANY EXCAVATION AND ACCORDING TO SECTION 157.09. CONSTRUCT DIVERSIONS USING WATER TIGHT, NON-ERODING METHODS. EMPLOY SETTLING BASINS OR OTHER METHODS SO THAT MUDDY WATER IS NOT RETURNED TO STREAM. INSTALL, OPERATE, AND REMOVE DIVERSIONS IN A MANNER THAT MINIMIZES EROSION AND SEDIMENTATION.

NOTES:

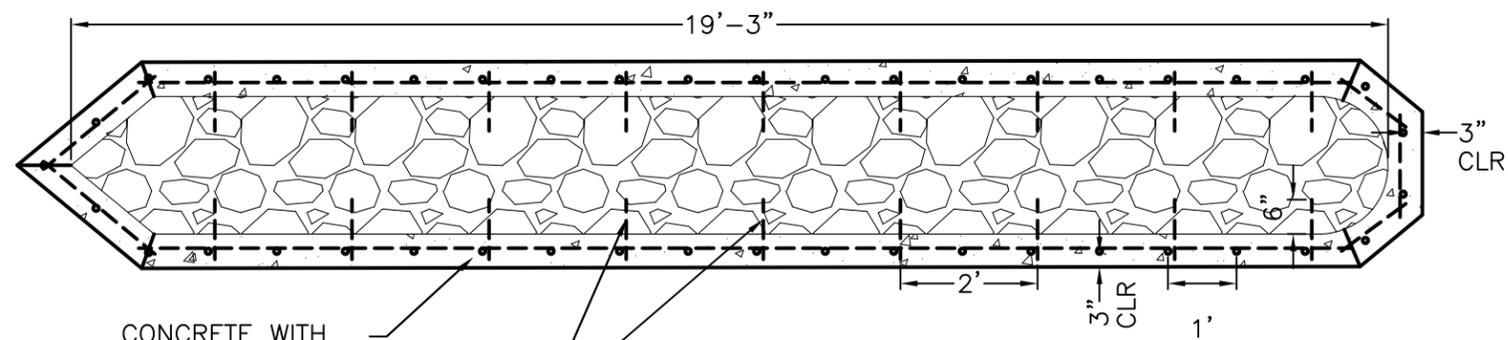
1. MINIMIZE THE EXCAVATION AROUND EXISTING PIER TO THE AMOUNT REQUIRED FOR THE INSTALLATION OF THE CONCRETE AND REBAR.
2. EXCAVATE TO A MAXIMUM DEPTH OF 18" BELOW THE STREAM BED BUT DO NOT EXCAVATE BELOW THE BOTTOM OF THE EXISTING PIER FOOTING.
3. ALL EXCAVATION SHALL BE DONE BY HAND, NO EQUIPMENT WILL BE ALLOWED WITHIN THE STREAM CHANNEL.
4. EXCESS ROCK SHALL BE PLACED ON THE UPSTREAM END OF THE PIER AFTER THE STREAM BED HAS BEEN REESTABLISHED.



SITE PLAN
NOT TO SCALE



DATE	REVISION	BY



CONCRETE WITH
#4 REBAR 12" OC

#4 REBAR 24" OC
CORE DRILLED AND
EPOXIED MIN. 6"
INTO SOLID MATERIAL

PLAN VIEW
NOT TO SCALE

SPECIFICATIONS:

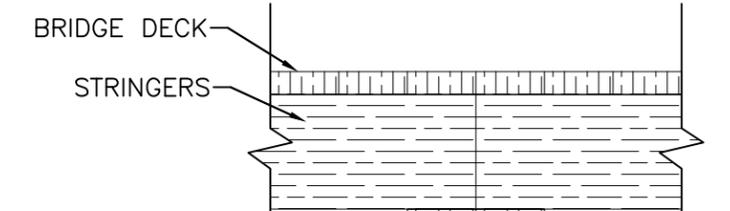
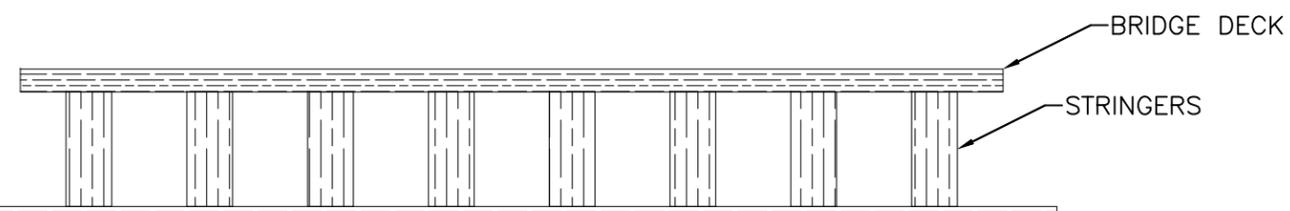
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CONCRETE:

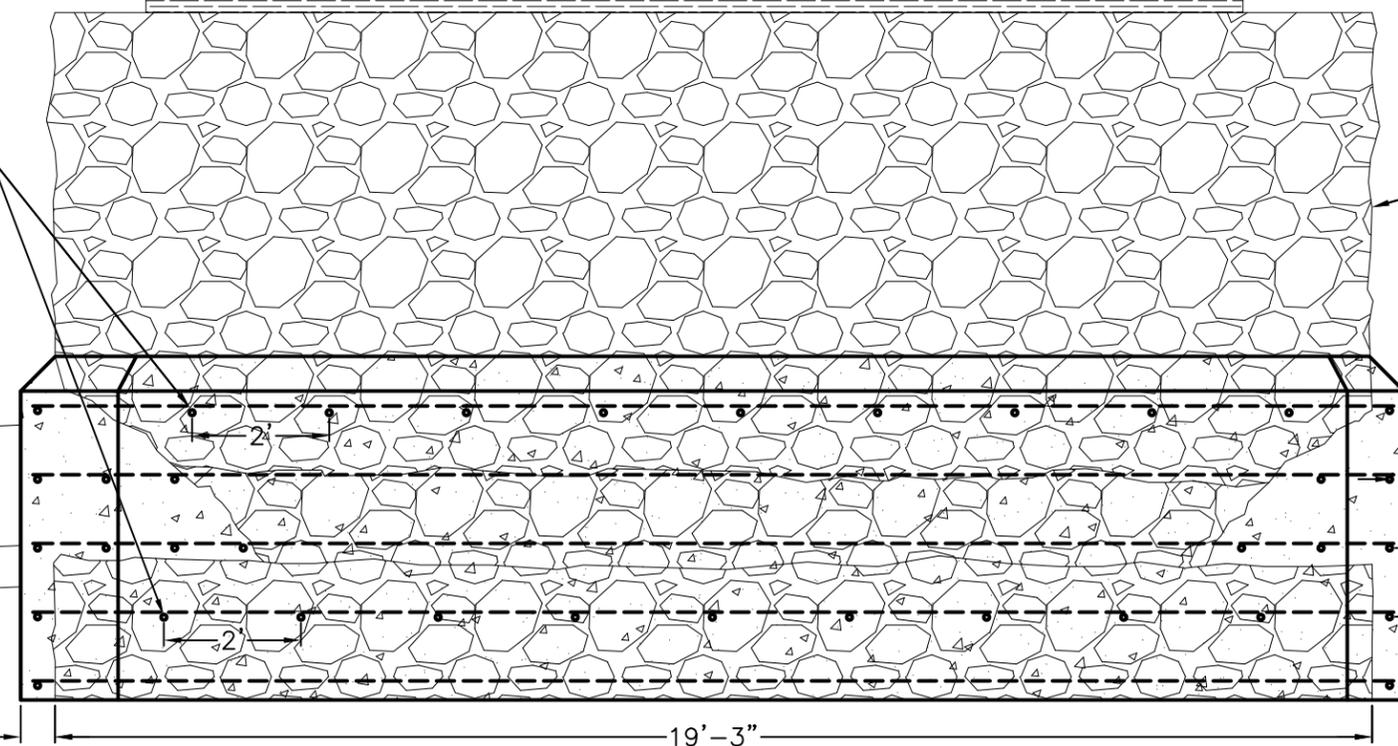
USE CLASS C(AE) CONCRETE, F'C = 4,000 PSI AT 28 DAYS WITH AN ENTRAINED AIR CONTENT OF 5% ± 1%. FINISH CONCRETE WITH A CLASS 1 - ORDINARY SURFACE FINISH. ALL CONCRETE SHALL BE MADE IN ACCORDANCE WITH AN APPROVED MIX DESIGN.

REINFORCING STEEL:

ALL REINFORCING SHALL BE OF THE DEFORMED BAR TYPE CONFORMING TO AASHTO M31 (ASTM A615), GRADE 60. CONCRETE CLEAR COVER SHALL BE 3" UNLESS SHOWN OTHERWISE ON THE PLANS. BENDING AND SPLICING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI 315.



#4 REBAR 24" OC
CORE DRILLED AND
EPOXIED MIN. 6"
INTO SOLID MATERIAL

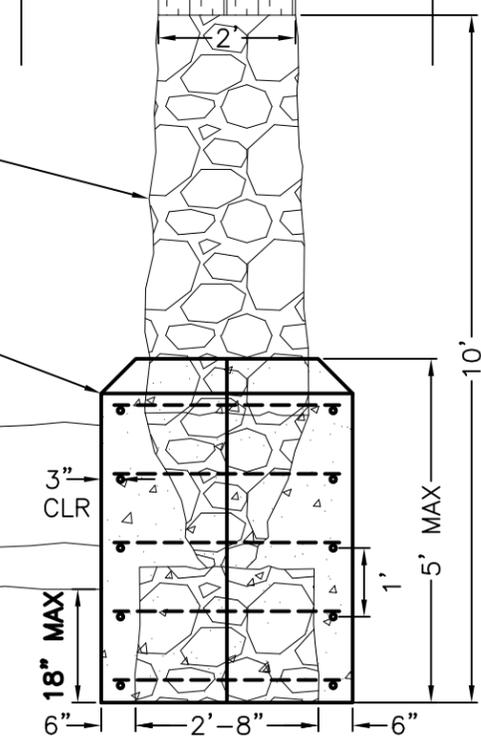


CONCRETE WITH
#4 REBAR 12" OC
HORIZ. & VERT.

HIGH WATER LEVEL

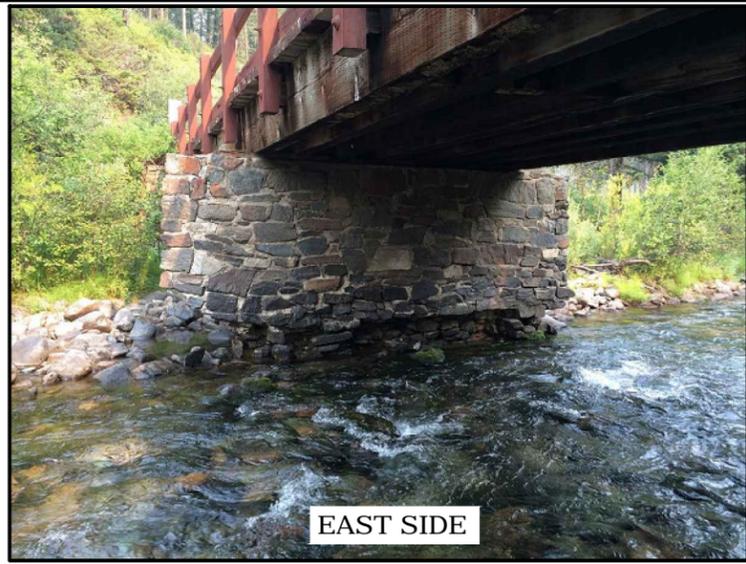
LOW WATER LEVEL

STREAM BED

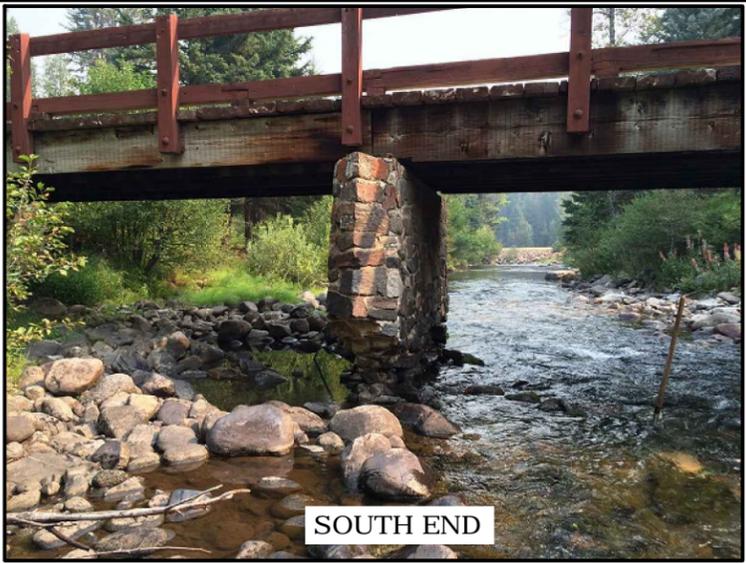


SIDE VIEW
NOT TO SCALE

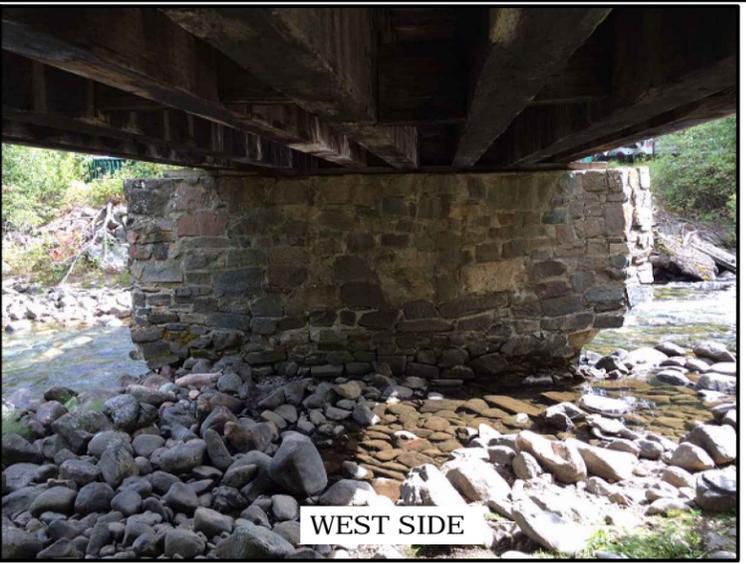
END VIEW
NOT TO SCALE



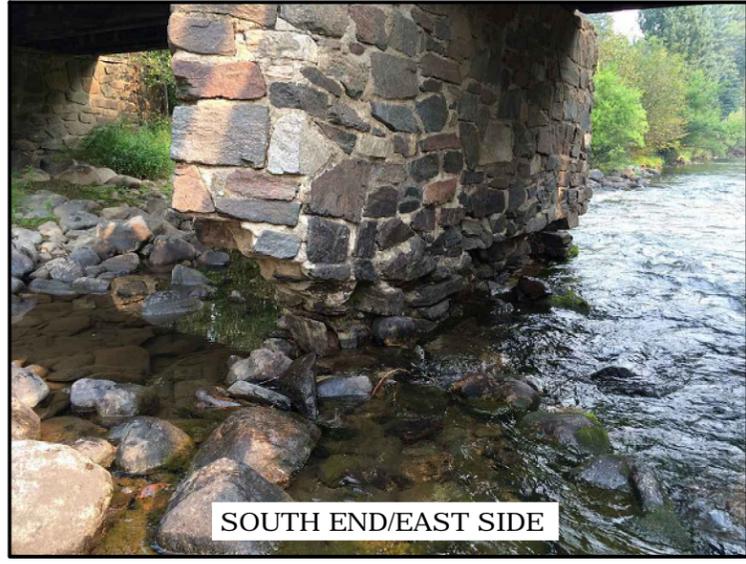
EAST SIDE



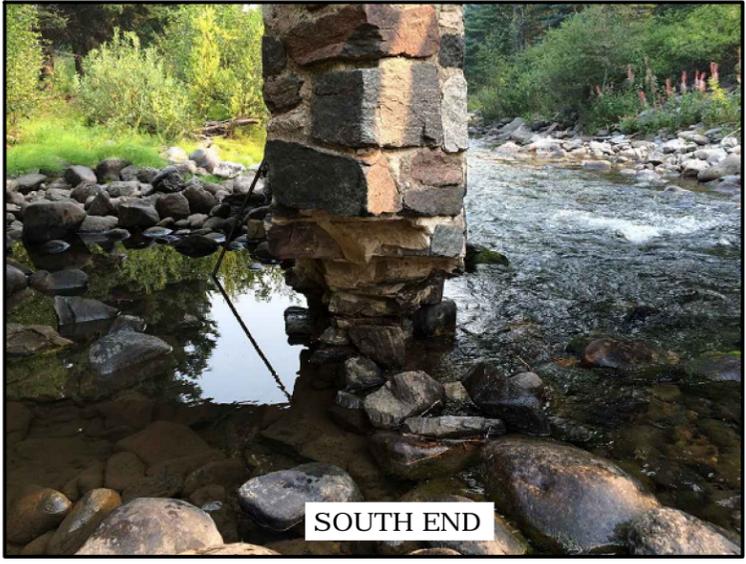
SOUTH END



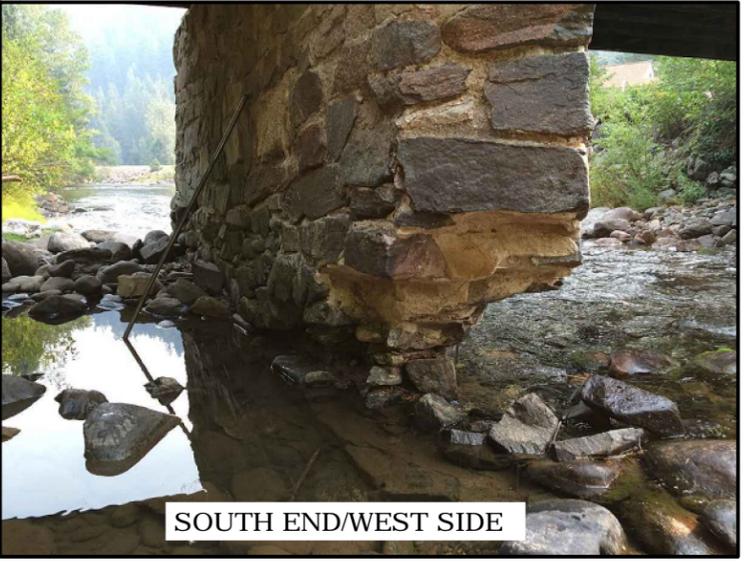
WEST SIDE



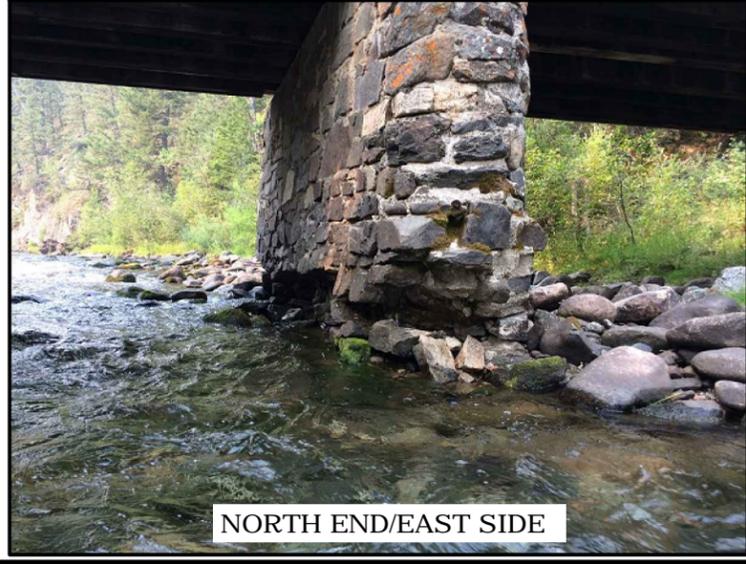
SOUTH END/EAST SIDE



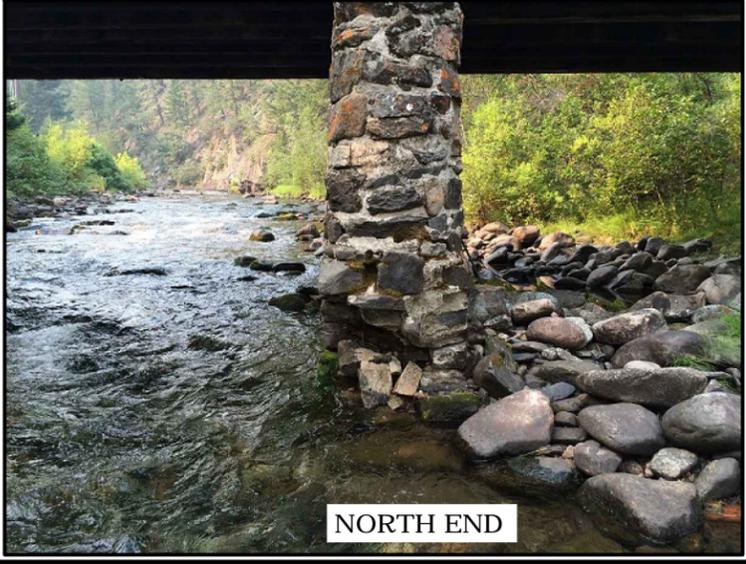
SOUTH END



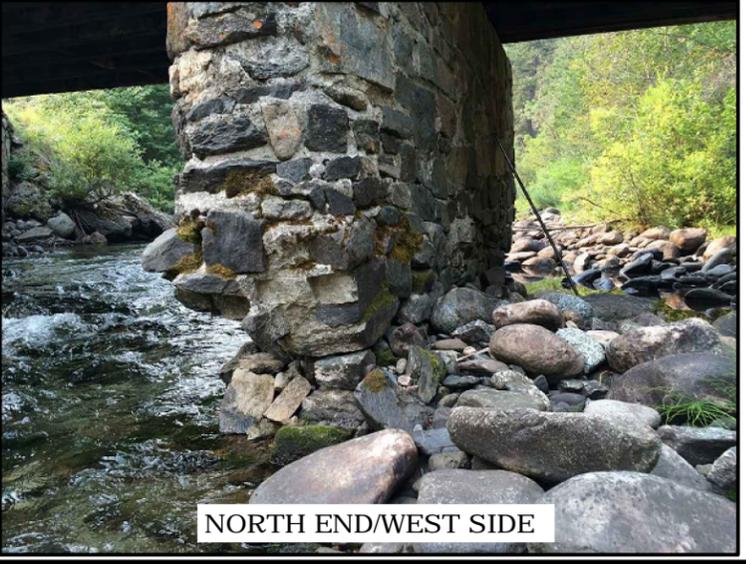
SOUTH END/WEST SIDE



NORTH END/EAST SIDE



NORTH END



NORTH END/WEST SIDE