

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: December 17, 2013
Date of Addendum: December 3, 2013

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
008	18-C018-068	BRIDGE REPLACEMENT- OTHER	CHEROKEE	FM-C018(68)--55-18	17DEC008.A01

Notice: Only the bid proposal holders receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the proposal holder.

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Delete Proposal Line No. 0020 2111-8174100 GRANULAR SUBBASE

Delete Proposal Line No. 0030 2113-0001100 SUBGRADE STABILIZATION MATERIAL,
POLYMER GRID

If the above changes are not made, they will be made as shown here.

Make the following changes to Plans:

Replace Plan Sheet A.01 with the attached Plan Sheet A.01

Replace Plan Sheet B.01 with the attached Plan Sheet B.01

Replace Plan Sheet B.02 with the attached Plan Sheet B.02

Replace Plan Sheet B.03 with the attached Plan Sheet B.03

Replace Plan Sheet B.04 with the attached Plan Sheet B.04

Replace Plan Sheet B.07 with the attached Plan Sheet B.07

Add the attached Plan Sheet B.08 to the plans

PROJECT TRAFFIC CONTROL PLAN:
This road will be closed to through traffic during construction. Local traffic to adjacent properties will be maintained as provided for in Article 1107.08 of the current Standard Specifications. Traffic control devices, procedures, layouts, and signing installed within the limits of this project shall conform to the currently accepted "Manual on Uniform Traffic Control Devices for Streets and Highways"

PROBABLE UTILITY CONTACTS:
(CCR) IOWA LAKES REGIONAL WATER
Contact Name: Kelly Whitacre
Contact Phone: 712-262-8847
Contact Email: kelly.whitacre@iwr.org
(PEI) PEOPLES TELEPHONE COMPANY
Contact Name: Thomas Mier
Contact Phone: 712-434-5989
Contact Email: tommier@nu_telcom.net

ON COUNTY ROAD C25 BETWEEN W AVE. AND Y AVE.
OVER A TRIBUTARY TO THE MAPLE RIVER, APPROXIMATELY
6.5 MILES EAST AND 5 MILES NORTH OF Highway 3.

FM-CO18(68) -- 55-18

The Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction, Series 2012, plus the applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications and Special Provisions, shall apply to construction work on this project.

PLANS OF PROPOSED IMPROVEMENT ON THE

FARM TO MARKET ROAD SYSTEM CHEROKEE COUNTY

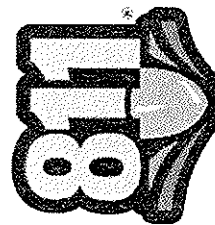
INDEX OF SHEETS	
Sheet	Description
A.01	Title sheet, location map, traffic control plan
B.01	Quantities, notes, standards
B.02	Deck Panel Layout, Bill of materials
B.03	Plan view and abutment detail
B.04	Plan sheet standard cross section
B.05	Tabulations
B.06	Plan view and Site layout
B.07	Guardrail Details
B.08	SL-1 Guardrail Details

Standards Road Plans	
	See tabulation on sheet B.05

CHEROKEE COUNTY

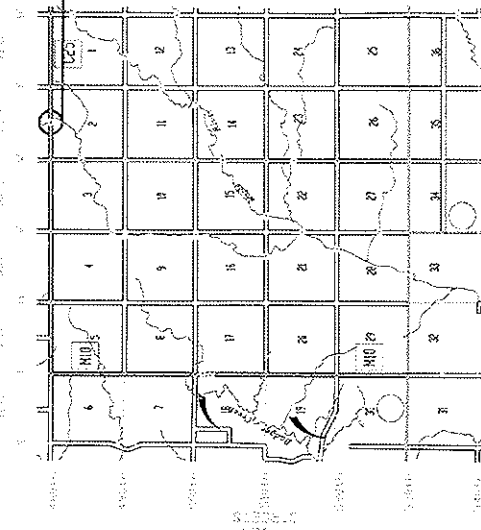
Project # FM-CO18(68)--55-18
Letting Date

Project Number: FM-CO18(68)-55-18
FHWA Number: # 108680



**Know what's below.
Call before you dig.**
(or Iowa one call 1-800-292-8989)

The contractor shall be responsible for notification of all utility companies before digging. The contractor shall be responsible for damages caused by failure to locate and preserve underground utilities. Coordination with others (utility companies and other contractors) for relocation or installation of utilities or items not in this plan.



C25 MT IN V22 670

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

David L. Shenahan
License number 17909
My license renewal date is December 31, 2013
Pages or sheets covered by this seal:
A.01, B.01, B.02, B.03, B.04, B.05, B.06, B.07

David L. Shenahan
17909
IOWA
LICENSED PROFESSIONAL ENGINEER

Prepared by: BRANDON BILLINGS AND JOEL ANDERSON

Project Number: FM-CO18(68)--55-18 Sheet No. A.01

SECTION 2 Afton TWP.				DESIGN FOR: 41'-0" X 31'-4"	
ESTIMATE OF QUANTITIES					
ITEM #	ITEM CODE	BID ITEM DESCRIPTION	QUANTITY	UNIT	
1	2102-2625000	EMBANKMENT-IN PLACE	170	CY	
2	2121-7425000	GRANULAR SHLD. TYPE B	28	TON	
3	2301-0690190	BRIDGE APPROACH, RK-19	388	SY	
4	2407-6745625	REMOVAL OF EXISTING BRIDGE	1	LS	
5	2402-2720000	EXCAVATION, CL 20	540	CY	
6	2403-0300030	STRUCT CONC (BRIDGE)	34.25	CY	
7	2404-7775005	REINFORC STEEL, EPOXY COATED	3482	LB	
8	2408-7800000	STRUCTURAL STEEL	5932	LB	
9	2501-0008836	PILES, STEEL, HP 8X 36	360	LF	
10	2501-0003042	PILES, STEEL, HP 10X 42	980	LF	
11	2501-577500	PILES, STEEL SHEET	5452.8	SF	
12	2505-4098400	STEEL BEAM G RAIL BARRIER TRANS SECTION	4	EACH	
13	2505-4021030	STEEL BEAM G RAIL END ANCHOR, THREE BEAM	4	EACH	
14	2505-4021700	STEEL BEAM G RAIL END TERMINAL	4	EACH	
15	2507-3250005	ENGINEER FABRIC	160	SY	
16	2507-6802051	REVELMENT, CLASS E	60	TON	
17	2510-6745850	RMVL OF PAVT	369	SY	
18	2518-6910000	SAFETY CLOSURE	2	EACH	
19	2528-8445110	TRAFFIC CONTROL	1	LS	
20	2533-4580005	MOBILIZATION	1	LS	
21	2599-9999005	PRECAST DECK UNITS, AS PER PLAN	11	EA	
22					
23					

GENERAL NOTES

The contractor shall be responsible for notification of all utility companies before digging. The contractor shall be responsible for damages caused by failure to locate and preserve underground utilities. Coordinates with others (utility companies and other contractors) for relocation or installation of utilities or items not in this plan.

Compaction of the fill material used to construct the road embankment to meet the new bridge deck elevation (including the 6" granular sub-base) shall meet the requirements of Type A compaction. Compacted granular sub-base shall be used for the first 25 feet on either side of the bridge.

Guardrail on the bridge, the connection to the exterior guardrail, and connected guardrail shall meet the required NCHRP 350 crash test ratings.

All Welding shall be done by a certified welder.

The contractor is responsible for making themselves aware of the site conditions prior to bidding.

Certified plant inspection is required for all structural concrete and shall be provided by the Contractor.

It shall be the contractors responsibility to provide waste areas or despoil sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. These areas shall not impact wetlands or "Waters of the U.S." No payment for overhaul to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the engineer.	213-1
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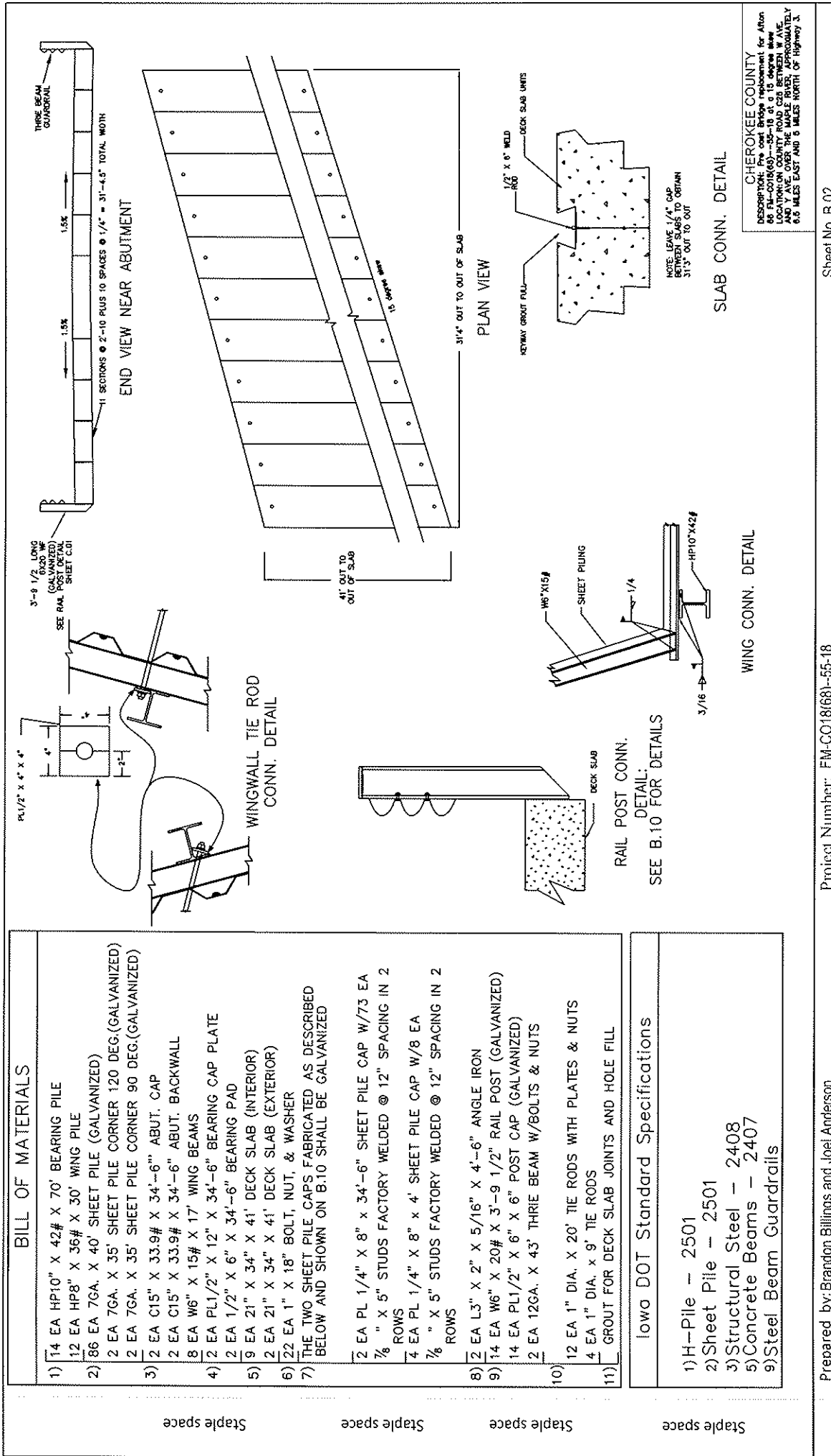
Existing Bridge 32'x26'
New Bridge 41'x32'

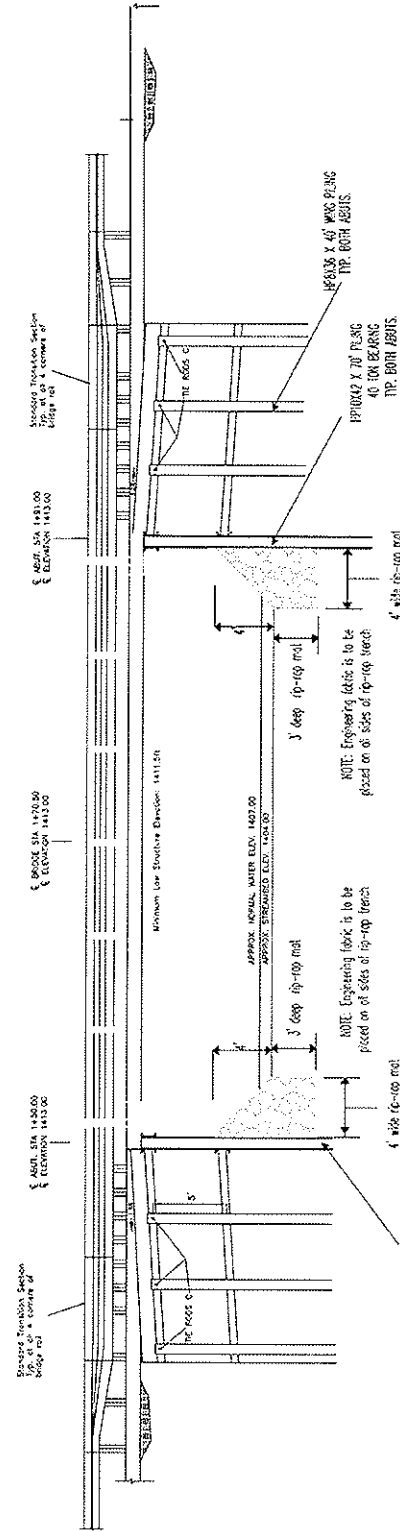
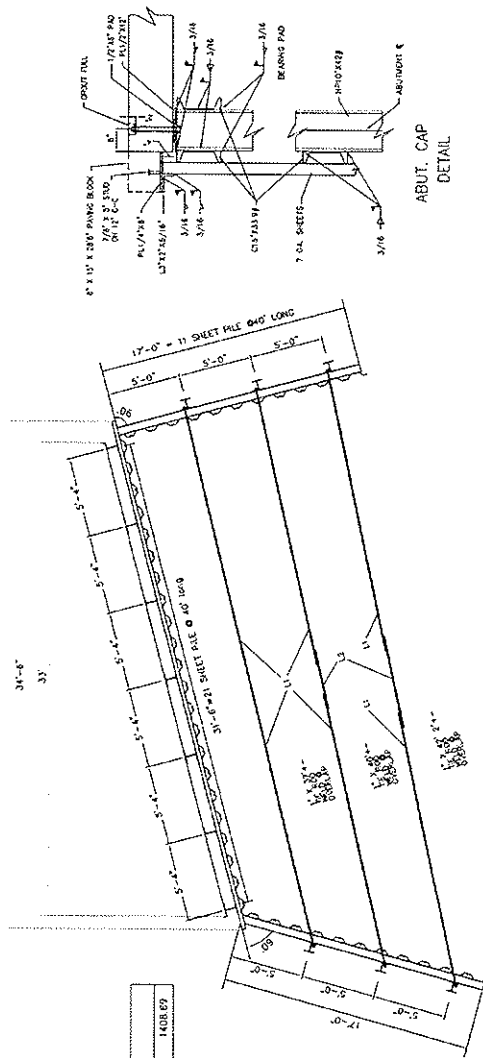
ESTIMATE ITEM REFERENCE

DATA LISTED BELOW IS FOR INFORMATIONAL PURPOSES ONLY

- Granular shoulders shall be shaped and wheel compacted to meet the road surface.
- See tabulation on sheet B.05 and standard road plans RK-19A, RK-19B, and RK-19C. Coarse aggregate shall be class 2 or better.
- Method of measurement and basis of payment shall be per section 2301 of the standard specification 2012. Certified plant inspection is required and shall be provided by the contractor.
- The contractor is responsible for the removal of the existing structure. All salvaged material is property of the contractor. The existing structure is a 31' long 26' wide concrete deck with steel stringers and concrete back walls. This is a lump sum item for the removal and disposal of the existing bridge and all other removed materials. All salvagable and unsalvagable material shall become property of the contractor. The existing structure shall be totally removed to at least 5 feet below finished grade. A scrape test has been performed and the results are available upon request.
- This shall cover all bridge excavation required to remove the existing structure and all bridge excavation needed to place and backfill the new structure.
- See Structural steel tabulation on sheet B.02
- See tabulations, sheet B.06, and standard road plans.
- The unit price for "Revelment, Class E" shall include cost of labor, equipment, and materials required to place revetment class E.
- Rmvl of pav't item shall include the cost of labor, tools and materials required to remove the pavement to the limits shown
- It is the contractors responsibility to maintain adequate road closures at the construction site to maintain public safety, these shall comply with all requirements in the current MUTCD addition.
- Traffic control on site shall be the responsibility of the contractor
- Precast slabs shall be HL-93 design standard. And match dimensions on B.05.
- Precast deck panels shall be designed in accordance with the AASHTO LRFD Bridge Design Specifications 6th Ed, SERIES OF 2012. Precast deck panel shop drawings and calculations shall be submitted to the engineer. The calculations shall be prepared and certified by a professional engineer licensed in the state of Iowa. Method of Measurement and Basis of payment for the slabs shall be by count with certifications for the design strength.

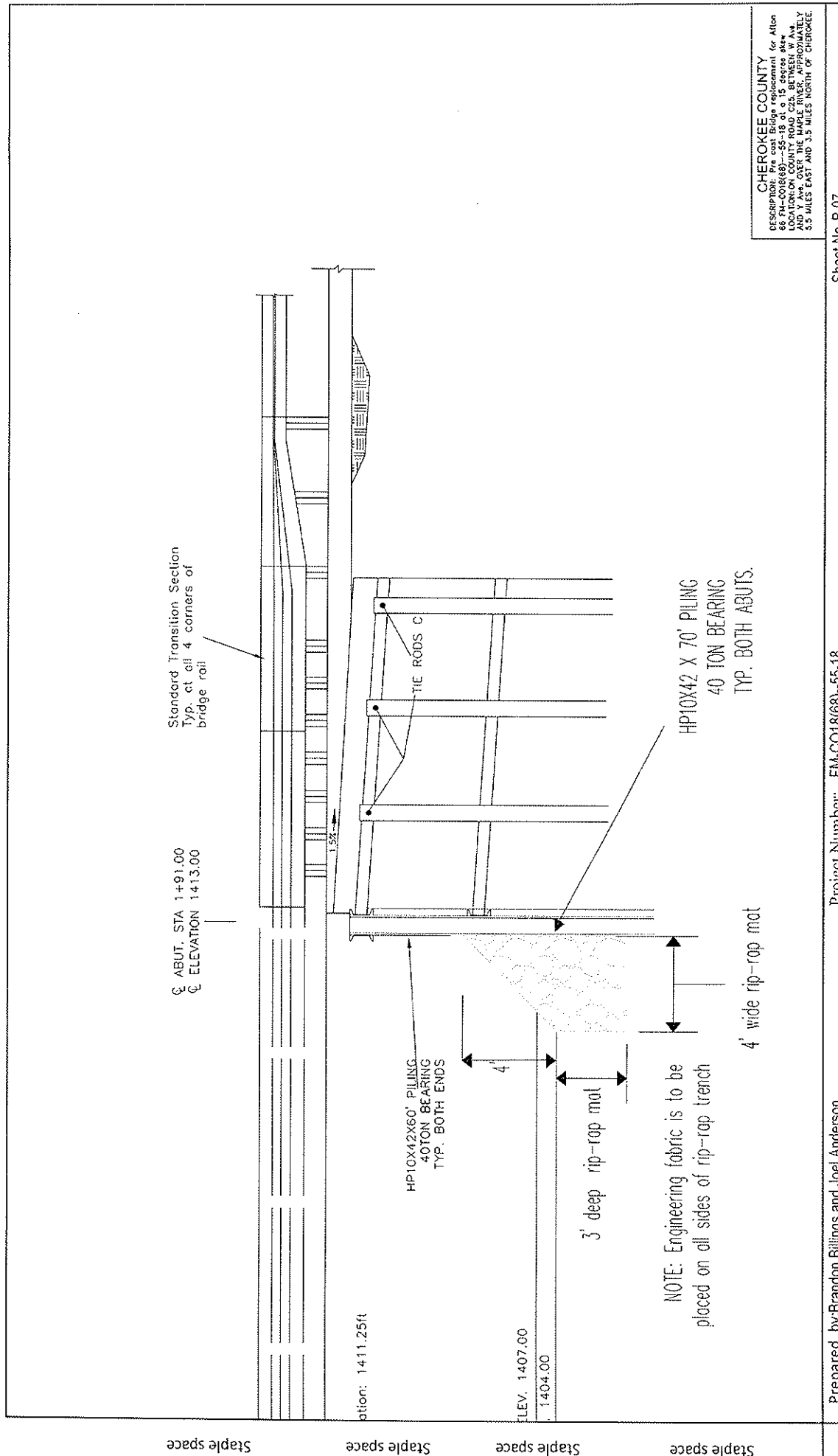
CHEROKEE COUNTY
DESIGN FOR: Bridge replacement for Afton
41'-0" X 31'-4" bridge
LOCATION: CHEROKEE COUNTY ROAD C25 BETWEEN W AVE
AND Y AVE, OVER THE MAPLE RIVER, APPROXIMATELY
6.5 MILES EAST AND 5 MILES NORTH OF Highway 3.





CHEROKEE COUNTY
DESCRIPTION: P/R cost bridge replacement for Affon
66 FM-C018(58)--55~18 @ 15 degree skew
LOCATION: ON COUNTY ROAD C25 BETWEEN W AVE.
AND Y AVE. OVER THE MAPLE RIVER, APPROXIMATELY
6.5 MILES EAST AND 5 MILES NORTH OF Highway 3.





This detail sheet shows the construction details for Service Level Bridge Rail and the connecting Steel Beam. Guardrail for use on the secondary road system.

Unless otherwise noted, bolts shall conform to the requirements of ASTM A307 and nuts to the requirements of ASTM A305. All bolts and nuts shall be galvanized in accordance with the requirements of ASTM A563 Grade C or better. All bolts, nuts and washers shall be galvanized in accordance with ASTM A563.

Deck exchange of the post assembly shall be provided by applying a 10 kip (45-kN) force to the post at 22 inches above the deck end designed according to the latest AASHTO bridge specifications.

Steel shall conform to the requirements of ASTM A36 or equivalent and be galvanized according to ASTM A123. Post elements shall conform to the requirements of ASTM A307 and shall be galvanized in accordance with the requirements of ASTM A123.

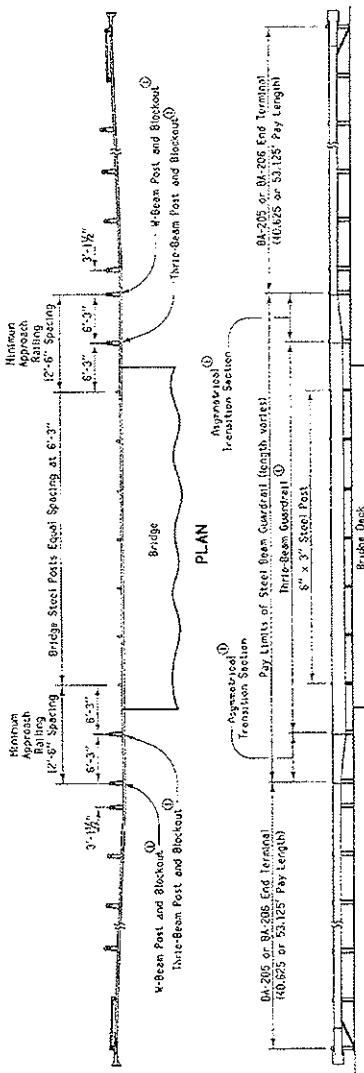
Top of guardrail panels in the same direction as the nearest traffic.

Prior bid for contract items shall be considered full compensation for furnishing all materials and constructing guardrail essentially as indicated herein.

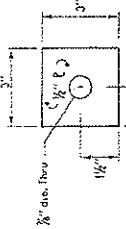
Possible Contract Items:

- Steel Beam: Guardrail, linear feet
- Steel Beam: Guardrail End Terminal
- Steel Beam: Guardrail Flared End Terminal

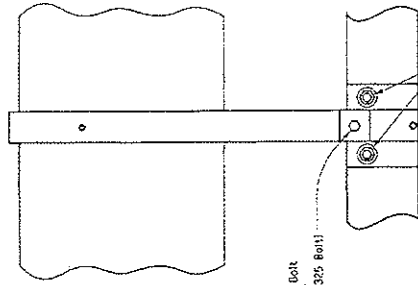
① See Standard Road Plan 3A-200



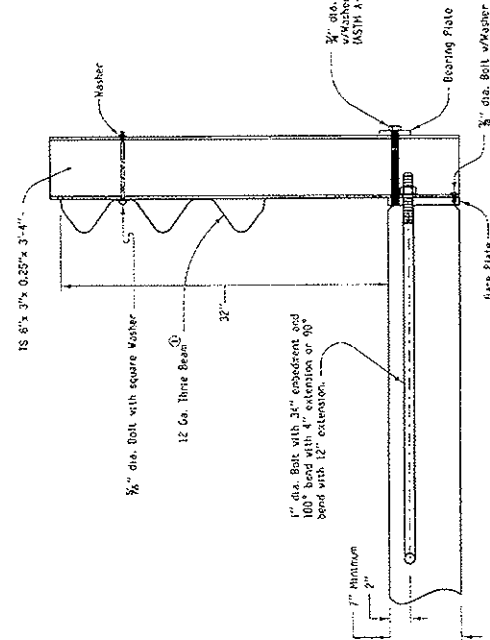
PLAN



BEARING PLATE



BACK SIDE VIEW



TYPICAL SECTION

BASE PLATE

SERVICE LEVEL 1
BRIDGE RAILING
(SECONDARY ROADS)