

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: July 15, 2014
Date of Addendum: June 24, 2014

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
022	03-0261-028	PERMANENT SCOUR COUNTERMEASURES	ALLAMAKEE	BRFN-026-1(28)--39-03	15JUL022.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. 0070 2506-4984000 FLOWABLE MORTAR; 20.000 CY

Change Proposal Line No. 0080 2507-3250005 ENGINEERING FABRIC:

From: 44.000 SY

To: 535.000 SY

Change Proposal Line No. 0090 2507-6800021 REVETMENT, CLASS B:

From: 5450.000 TON

To: 5810.000 TON

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

Make the following change to the PLAN:

SHEET V.1:

In the general notes:

Add note 2. Installation of Class B revetment along north berm\bank.

Delete the paragraph under SPECIFICATION:

SHEET V.1:

Delete the note to the ESTIMATE REFERENCE INFORMATION for the item 2533-4980005, MOBILIZATION:

SHEET V.2:

REVETMENT LAYOUT NOTES:

Add note B

PLACE ENGINEERING FABRIC ALONG TOP OF GRANULAR BACKFILL

SHEET V.3

Change note 2 to read:

PLACE ENGINEERING FABRIC ALONG TOP OF GRANULAR BACKFILL.

Change note 3 to read:

PLACE CL. B REVETMENT TO FINISHED GRADE LINE.

Delete notes: 4 and 5

Add detail of NORTH BERM PROTECTION. (See attached plans for detail)

SEE THE ATTACHEHD MULTIPAGES FOR CHANGES TO THE PLAN SHEETS:



Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

ALLAMAKEE COUNTY

PERMANENT SCOUR COUNTERMEASURE

IA 26 over Upper Iowa River 0.6 Miles South of Co. Rd. A26

SCALE: As Noted

Refer to the Proposal Form for list of applicable specifications.

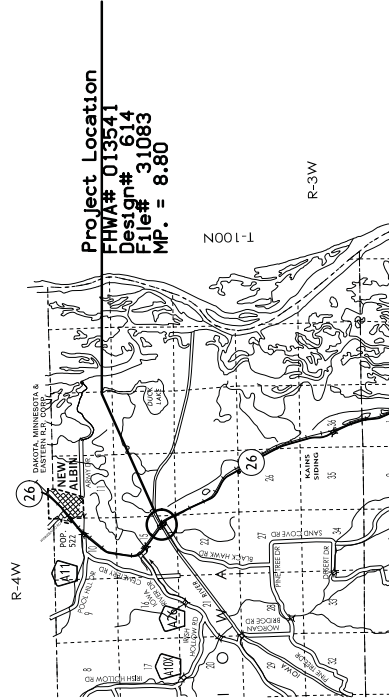
Value Engineering Saves. Refer to Article 105.15 of the Specifications.

NO MILEAGE SUMMARY

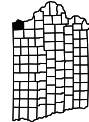


REVISIONS	
PROJECT IDENTIFICATION NUMBER	14-03-026-010
PROJECT NUMBER	BRFN-026-1(28)--39-03
R.O.W. PROJECT NUMBER	

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	Title Sheets
A.1	Title Sheet
A.1	Location Map Sheet
C Sheets	Quantities and General Information
C.1	Project Description
C.1	Estimated Project Quantities
C.1	Estimate Reference Information
C.1	Standard Road Plans
C.1	General Notes
C.1	Specifications
D Sheets	Traffic Control and Staging Sheets
D.1	Traffic Control Plan
U Sheets	500 Series, Mod.Stds. and Detail Sheets
U.1 - 2	EM-202 Interim Standard Road Plan
V Sheets	Bridge and Culvert Situation Plans
V.1 - 3	Bridge Plans
	* Color Plan Sheets



Project Location
FWHA# 013541
Design# 614
File# 31083
MP. = 8.80



DESIGN DATA RURAL	
2009 AADT	1140 V.P.D.
20-- AADT	-- V.P.D.
20-- DHV	-- V.P.H.
TRUCKS	-- %
Total	Design ES&S

INDEX OF SEALS	
SHEET NO.	NAME TYPE
A.1	Paul W. Flattery Primary Signature Block
V.1	David J. Mulholland Hydraulic Design

ROADWAY DESIGN

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.

Signature: *Paul W. Flattery*
Paul W. Flattery
12882
IOWA
06-12-2014
Date

My license renewal date is December 31, 2015

Pages or sheets covered by this seal: A1,C1,D1,E1,F1,G1,H1,I1,J1,K1,L1,M1,N1,O1,P1,Q1,R1,S1,T1,U1,V1,W1,X1,Y1,Z1

7/15/2014
LETTING DATE

ALLAMAKEE Co. PERMANENT SCOUR COUNTERMEASURE
BRFN-026-1(28)--39-03

TRAFFIC CONTROL PLAN

Traffic on IA 26 will be maintained at all times.

Keep silt curtain as close to work area as possible.

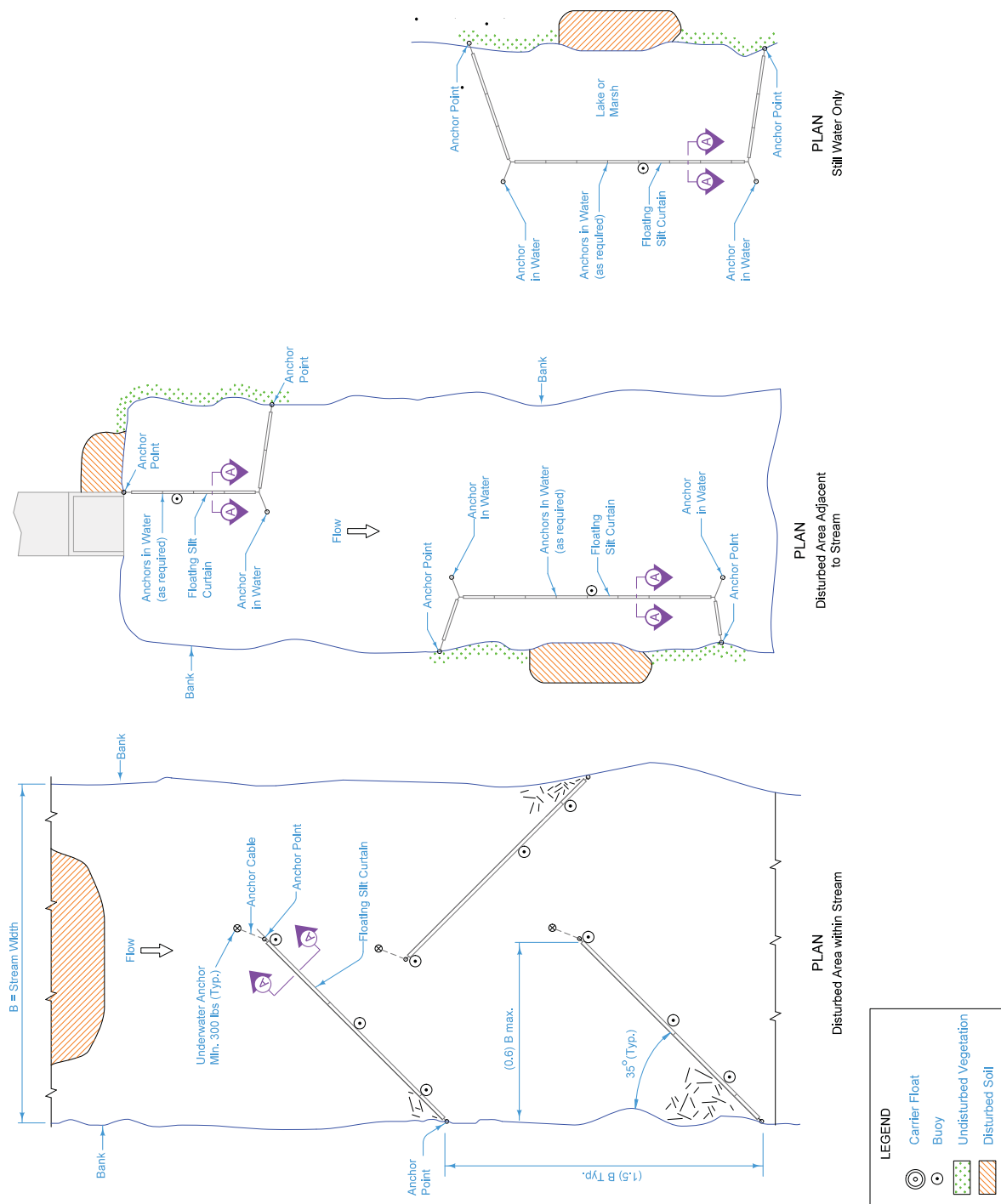
Depth of curtain is the dimension of the curtain fabric extending below the flotation, i.e. hanging in the water.

Install according to Hanging Installation unless specified otherwise.

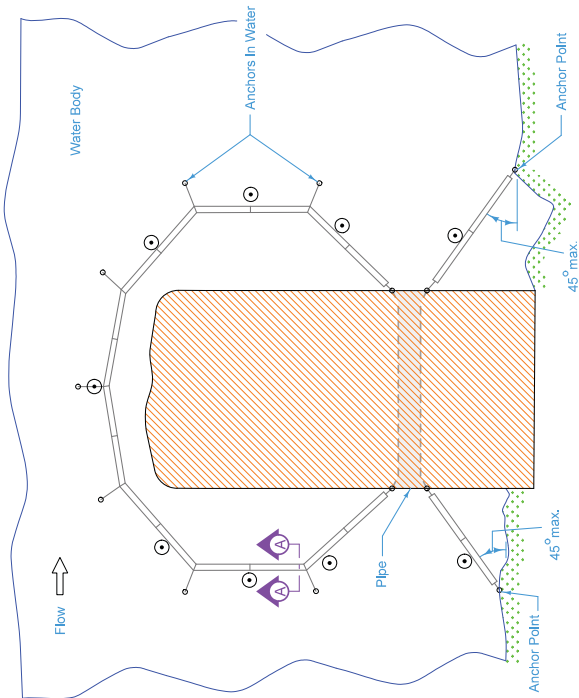
Possible Tabulation:
100-10

Possible Contract Items:
Clean-out of Floating Silt Curtain
(Containment)
Floating Silt Curtain (Containment)
Floating Silt Curtain (Hanging)
Maintenance of Floating Silt Curtain

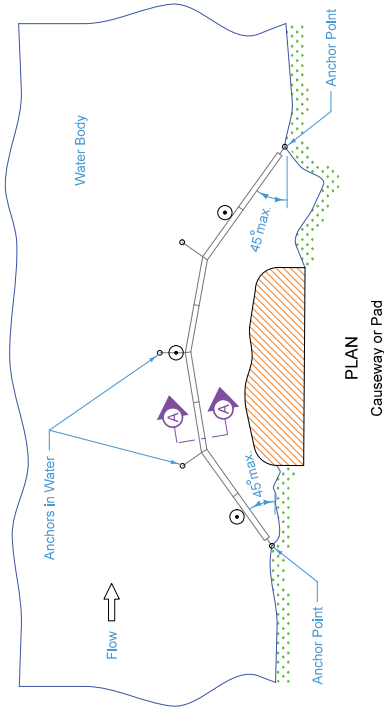
10-03	SHEET NUMBER	11.1	FLOATING SILT CURTAIN	APPROVED BY: <i>B. Alan Smith</i> APPROVED BY: B. ALAN SMITH, ENGINEER	REVISION 5 12-02-13
					EC-202 SHEET 1 of 2
INTERIM STANDARD ROAD PLAN REVISIONS: Removed 100' typical spacing between anchors on page 2. Added possible contract item. Removed sections of standard notes and circle note 1.					



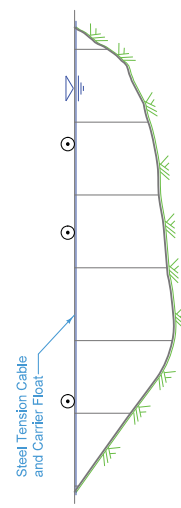
① When Containment Installation is specified, it will be in combination with a Hanging Installation that is paid for separately.



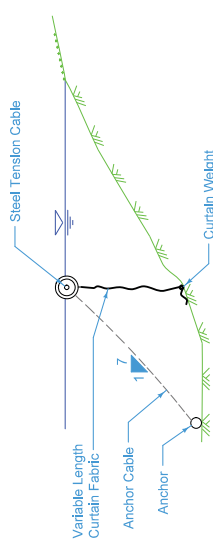
PLAN
Stream Crossing or Causeway
(with pipe)



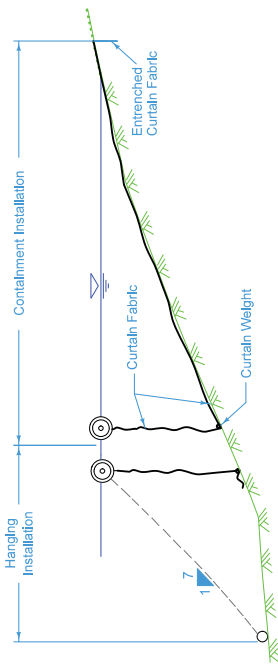
PLAN
Causeway or Pad



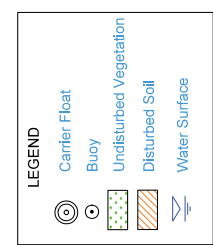
PROFILE



SECTION A-A
Hanging Installation



SECTION A-A
Containment Installation



INTERIM	REVISION	
	5	12-02-13
	EC-202	
STANDARD ROAD PLAN	SHEET 2 of 2	
	REVISIONS: Removed 100' typical spacing between anchors on page 2. Added possible contract item. Removed sections of standard notes and title note 1.	
APPROVED BY DESIGN METHODS ENGINEER		
Bryan Smith		

FLOATING SILT CURTAIN

ESTIMATED BRIDGE QUANTITIES				
ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL AS BUILT QUAN.
1	2402-0425031	GRANULAR BACKFILL	TON	4,500.0
2	2507-3250005	ENGINEERING FABRIC	SY	535
3	2507-6800021	REVETMENT, CLASS B	TON	5,810.0
4	2533-4980005	MOBILIZATION	LS	1.00

		ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION		
1	2402-0425031	GRANULAR BACKFILL SHALL MEET THE GRADATION REQUIREMENTS IN ACCORDANCE WITH ARTICLE 4133.04, OF THE STANDARD SPECIFICATIONS. PERCENT PASSING THE NO. 200 SIEVE SHALL NOT EXCEED 5%.		
		GRANULAR BACKFILL WILL BE MEASURED IN TONS OF MATERIAL PLACED. ESTIMATED AT 1.7 TON/CY.		
2	2507-3250005	ENGINEERING FABRIC SHALL BE MATERIAL AS SPECIFIED FOR EMBANKMENT EROSION CONTROL IN ACCORDANCE WITH ARTICLE 4196.01, B.3, OF THE STANDARD SPECIFICATIONS.		
3	2507-6800021	REVETMENT, CLASS B ESTIMATED AT 1.6 TON/CY. INCLUDE BERM BANK SHAPING COSTS IN THIS BID ITEM AND REMOVAL OF EXISTING REVETMENT AND ENGINEERING FABRIC IN THIS BID ITEM.		
4	2533-4980005	MOBILIZATION		

GENERAL NOTES:

THIS DESIGN IS FOR REPAIRS TO THE EXISTING 258'-0" X 36'-6" PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGE ON IA 26 OVER THE UPPER IOWA RIVER.

REPAIR SHALL CONSIST OF:

1. BACKFILL UNDER PIER 1 AND INSTALLATION OF CLASS B REVETMENT PIER SCOUR COUNTERMEASURE.
2. INSTALLATION OF CLASS B REVETMENT ALONG NORTH BERM BANK.

ROADWAY QUANTITIES SHOWN ELSEWHERE IN THESE PLANS.

REFER TO TITLE SHEET FOR TRAFFIC DATA.

HYDRAULIC DESIGN

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.



Signature **David J. Mulholland**

Printed or Typed Name

6/10/14

Date

My license renewal date is December 31, 2014

V.1, V.2 AND V.3

Pages or sheets covered by this seal:

DESIGN FOR REPAIRS TO 25° SKEW
**258'-0" X 36'-6" PRETENSIONED
PRESTRESSED CONCRETE BEAM BRIDGE**
80'-9" END SPANS 96'-6" INTERIOR SPAN
QUANTITIES
STATION: 1018+17.00 JUNE 2014
ALLAMAKEE COUNTY
IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
DESIGN SHEET NO. 1 OF 3 FILE NO. 31093 DESIGN NO. 614

ALLAMAKEE COUNTY PROJECT NUMBER BRN-26-1281-39-03 SHEET NUMBER V.1

BM NO. 557 STA. 1016+66.5 M.L., 18.5 RT., IDOT BM S.E. BARRIER RAIL BRIDGE, EL. 644.90

660	EL. 660.0	DESIGN HIGH WATER EL. 637.3	EL. 645.6	EL. 645.3	EL. 645.3
650	EL. 650.0	ANNUAL LOW STAGE EL. 624.0	EL. 645.6	EL. 645.3	EL. 645.3
640	EL. 640.0	EL. 645.6	EL. 645.6	EL. 645.3	EL. 645.3
630	EL. 630.0	EL. 645.6	EL. 645.6	EL. 645.3	EL. 645.3
620	EL. 620.0	EL. 645.6	EL. 645.6	EL. 645.3	EL. 645.3
610	EL. 610.0	EL. 645.6	EL. 645.6	EL. 645.3	EL. 645.3
600	EL. 600.0	EL. 645.6	EL. 645.6	EL. 645.3	EL. 645.3
590	EL. 590.0	EL. 645.6	EL. 645.6	EL. 645.3	EL. 645.3

- REVETMENT LAYOUT NOTES:
- Ⓐ BACKFILL SCOUR HOLE UNDER PIER 1, PLACE CL. B PAD AROUND PIER. SEE DETAILS ON SHEET V.3.
 - Ⓑ INSTALL CLASS B REVETMENT ALONG NORTH BERM, SEE DETAIL ON SHEET V.3.

HYDRAULIC DATA

DRAINAGE AREA = 1,005 SQ. MI.
STREAM SLOPE = 2.44 FT./MI.
ANNUAL LOW STAGE = EL. 624.0
Q2=4,500 CFS
STAGE = EL. 632.0
Q5= 15,000 CFS
STAGE = EL. 635.6
Q50= 31,000 CFS (18,500 CFS CHAN.)
STAGE = EL. 637.3
BRIDGE VELOCITY = 6.8 - 8.8 FPS
ROADWAY OVERTOP EL. 639.0
STA. 1029+00

LOCATION

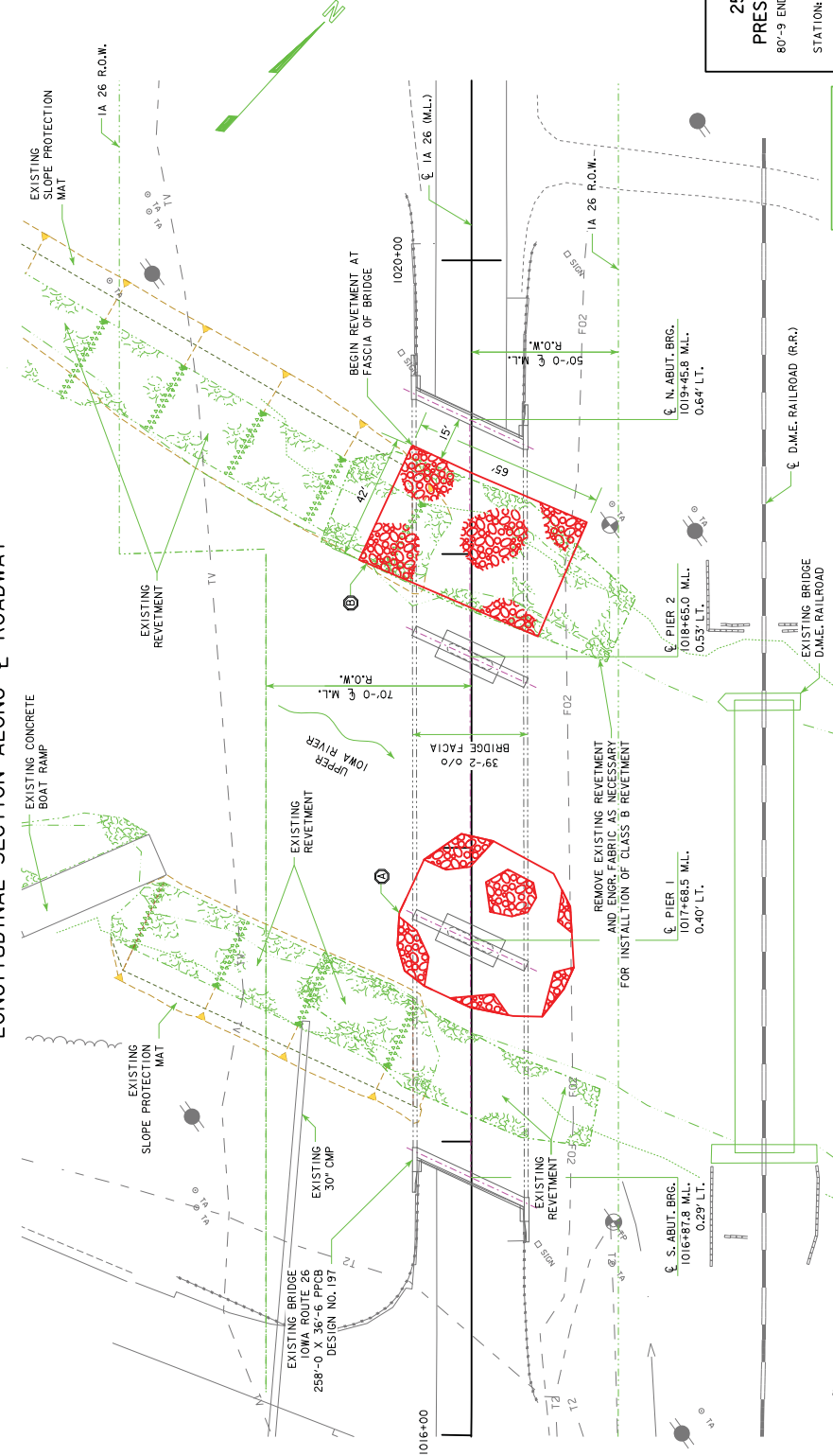
IA 26 OVER UPPER IOWA RIVER
PIER SCOUR COUNTERMEASURE
T. 100 N. R. 4 W.
SECTION 15
IOWA TOWNSHIP
ALLAMAKEE COUNTY
BRIDGE MAINT. NO. 0308.85026
FHWA NO. 013541
LATITUDE 43.474483°
LONGITUDE 91.234160°

DESIGN HISTORY AT THIS SITE

DES. NO.	TYPE OF WORK
197	ORIGINAL DESIGN
111	STREAMBANK STABILIZATION

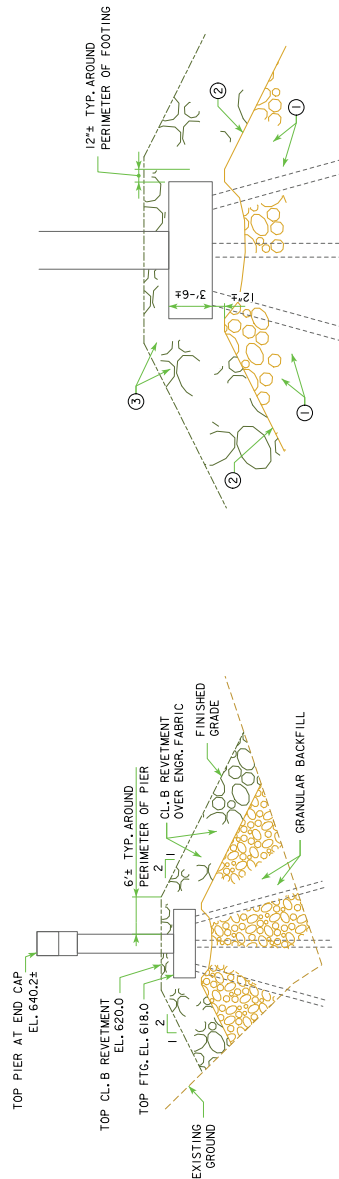
DESIGN FOR REPAIRS TO 25° SKEW
**258'-0" x 36'-6" PRETENSIONED
PRESTRESSED CONCRETE BEAM BRIDGE**
80'-9" END SPANS
96'-6" INTERIOR SPAN
SITUATION PLAN
STATION: 1018+17.00
ALLAMAKEE COUNTY
JUNE 2014
IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
DESIGN SHEET NO. 2 OF 3 FILE NO. 31093 DESIGN NO. 614

LONGITUDINAL SECTION ALONG EL. ROADWAY



SITUATION PLAN

0 ENGLISH 40
SCALE IN FEET

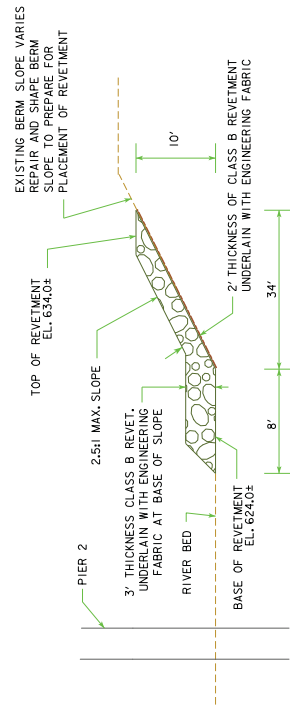


NOTE: SECTION PARALLEL TO & M.L.

SECTION THROUGH BACKFILL AND REVTMENT- PIER 1

PIER FOOTING BACKFILL

- ① GRANULAR BACKFILL. FILL UNDER PIER FOOTING AS PRACTICABLE AND TO WITHIN 12'± OF BOTTOM OF PIER FOOTING AT PERIMETER.
- ② PLACE ENGINEERING FABRIC ALONG TOP OF GRANULAR BACKFILL.
- ③ PLACE CL.B REVTMENT TO FINISHED GRADE.



NORTH BERM PROTECTION NOT TO SCALE

DESIGN FOR REPAIRS TO 25° SKEW
258'-0" X 36'-6" PRETENSIONED
PRESTRESSED CONCRETE BEAM BRIDGE
80'-9" END SPANS
96'-6" INTERIOR SPAN

DETAILS
STATION: 1018+17.00
JUNE 2014
ALLAMAKEE COUNTY
IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
DESIGN SHEET NO. 3 OF 3
FILE NO. 31093
SHEET NUMBER V.3