

# A d d e n d u m

Iowa Department of Transportation  
Office of Contracts

Date of Letting: February 17, 2015  
Date of Addendum: January 27, 2015

<b>B.O.</b>	<b>Proposal ID</b>	<b>Proposal Work Type</b>	<b>County</b>	<b>Project Number</b>	<b>Addendum</b>
029	90-0347-137	BRIDGE AND APPROACHES - PPCB	WAPELLO	BRF-034-7(137)--38-90	17FEB029.A01

Make the following changes to the PLAN:

Sheet C.4 Add Standard Road Plan BA-500 Temporary Crash Cushions to STANDARD ROAD PLANS tab.

Sheet C.11 Tab 108-8A, STEEL BEAM GUARDRAILL AT CONCRETE BARRIER OR BRIDGE RAIL END SECTION, Delete lines 5 thru 8

Replace plan sheets C.5, C.9, and C.10 with the attached sheets.

C.5 Updated PPP with new format including Engineers signature

C.9 Added information to Tab 190-25, Mark column for Type 3 object markers and their locations

C.10 Added Tab 108-30, Crash Cushions

### POLLUTION PREVENTION PLAN

**2. OTHER CONTROLS**

- a. Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental agencies and regulations, the more restrictive laws, rules or regulations shall apply. Contractors shall apply tracking of sediments onto roadways.
- 1) Vehicle entry, exit, construction materials, and equipment shall be cleaned and maintained to prevent tracking of sediments onto roadways.
- 2) Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
- 3) Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
- 4) Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
- 5) Stormwater Management - Implement procedures to contain and clean-up spills and prevent material discharges to the storm drain system and waters of the state.
- 6) Concrete Residuals and Washout Wastes - Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located.
- 7) Vehicle and Equipment Cleaning - Employ washing practices that prevent contamination of surface and ground water from wash water.
- 8) Vehicle and Equipment Fueling and Maintenance - Perform on site fueling and maintenance in accordance with all applicable regulations, such as those that prohibit the use of open flame and proper disposal of used engine oil or other fluids on site.
- 9) Litter Management - Ensure employees properly dispose of litter.

**3. APPROVED STATE OR LOCAL PLANS**

During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

**IV. MAINTENANCE PROCEDURES**

The contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

**V. INSPECTION REQUIREMENTS**

A. Inspections shall be made jointly by the contractor and the contracting authority at least once every seven calendar days. Storm water inspections will include:

1. Date of the inspection.
2. Summary of the scope of the inspection.
3. Name and qualifications of the personnel making the inspection.
4. Rainfall amount.
5. Review erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
6. Maintenance actions related to the implementation of the PPP.
7. Identify corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water monitoring inspection reports in the Amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found and complete all actions within 3 calendar days of the inspection.

**VI. NON-STORM WATER DISCHARGES**

This Pollution Prevention Plan (PPP) applies to storm water discharges (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of patio blocks, Class A stone, erosion stone or other appropriate materials.

**VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION**

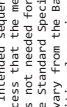
Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

**VIII. DEFINITIONS**

- A. Base PPP - Initial Pollution Prevention Plan.
- B. Amended PPP - May include Plan Revisions or Contract Modifications for new items and fieldbook entries made by the Inspector.
- C. IDR - Inspector's Daily Report - this contains the Inspector's daily diary and item postings.
- D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials.
- E. Water Documents - Representative from Designer, Contractor/Subcontractor, or RCE/Inspector authorized to sign various storm water documents.

**CERTIFICATION STATEMENT**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my review of this information, I believe that this document and all attachments are true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:   
 R.D. Skogerboe  
 Print Name

WAPELLO COUNTY PROJECT NUMBER BRF-034-7(137) - 38-90 SHEET NUMBER C.5

### POLLUTION PREVENTION PLAN

This Base Pollution Prevention Plan (PPP) includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed per plan revisions or by contract modification, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The prime contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

**I. ROLES AND RESPONSIBILITIES**

A. Designer:

1. Prepares Base PPP included in the project plan.
2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
3. Signature authority on the Base PPP and NOI.

B. Contractor/Subcontractor:

1. Affected contractors/subcontractors are co-permittees with the IDOT and will sign a certification statement adhering to the Iowa Administrative Code on this PPP. All permittees are legally responsible under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Submit a detailed schedule according to Article 2602 of the Specifications and any additional plan notes.
3. Install and maintain appropriate controls.
4. Supervise and implement good housekeeping practices.
5. Conduct joint required inspections of the site with inspection staff.
6. Signature authority on Co-Permittee Certification Statements and storm water inspection reports.

C. Signature authority on Co-Permittee Certification Statements and storm water inspection reports.

1. Update PPP whenever there is a change in design, construction, operation or maintenance, which has a significant effect on the discharge of pollutants from the project.
2. Maintain an up-to-date list that identifies contractors and subcontractors as co-permittees.
3. Make these plans available to the DNR upon their request.
4. Conduct joint required inspections of the site with the contractor/subcontractor.
5. Complete an inspection report after each inspection.
6. Signature authority on storm water inspection reports and Notice of Discontinuation (NOD).

**II. PROJECT SITE DESCRIPTION**

A. This Pollution Prevention Plan (PPP) is for the construction of a Bridge and Bridge Approach Pavement.

B. This PPP covers approximately 6 acres with an estimated 3.4 acres being disturbed. The portion of the PPP covered by this contract has 3.4 acres disturbed.

C. The PPP is located in an area of one soil association Grundy - Haig - Arispe - Gapa.

D. Storm Water Site Map - Multiple copies of information comprise the base storm water site map including:

1. Drainage patterns - Plan and Profile sheets and Situation Plans.
2. Proposed Slopes - Cross Sections.
3. Areas of Soil Disturbance - construction limits shown on Plan and Profile sheets.
4. Location of Structural Controls Tabulations on C sheets.
5. Location of Stabilization Practices - generally within construction limits shown on Plan and Profile sheets.
6. Locations of Wetlands (Including wetlands) - Plan and Profile sheets.
7. Surface Waters (Including wetlands) - Plan and Profile sheets.
8. Locations where storm water is discharged - Plan and Profile sheets.

E. The base site map is amended by contract modifications and progress payments of completed erosion control work.

F. Runoff from this work will flow into Bear Creek and on into the Des Moines River.

**III. CONTROLS**

A. The contractor's work plan and sequence of operations specified in Article 2602.03 for accomplishment of storm water controls during the construction process that the measure will be implemented.

B. Preserve vegetation in areas not needed for construction.

C. Section 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used may vary from the base PPP and amendment of the plan will be documented via fieldbook entries or by contractor during storm water monitoring inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B.

**1. EROSION AND SEDIMENT CONTROLS**

a. Stabilization Practices

- 1) Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized.
- 2) Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased.
- 3) Temporary stabilizing seeding shall be completed as the disturbed areas are constructed. If construction activity is not planned to occur in a disturbed area for at least 21 days, the area shall be stabilized by temporary seeding or mulching within 14 days. Other stabilizing methods shall be used outside the seeding time period.
- 4) Stabilization measures to be used for this project are located in the Estimated Project Quantities (100-1A) and Estimate Reference Information (100-4A) located on the C sheets of the plan. Additional items may be found in the Inspector's Reference Information (100-4A) located on the C sheets of the plan. Additional items may be found in the Inspector's Reference Information (100-4A) located on the C sheets of the plan. Additional items may be found in the Inspector's Reference Information (100-4A) located on the C sheets of the plan.

b. Structural Practices

- 1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site.
- 2) Structural items to be used for this project are located in the Estimated Project Quantities (100-1A) and Estimate Reference Information (100-4A) located on the C sheets of the plan, as well as all other item specific Tabulations.

c. Storm Water Management

- 1) Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

DESIGN TEAM Skogerboe\Shoenrock\Fullarton

FILE NO. 30769 ENGLISH WAPELLO COUNTY PROJECT NUMBER BRF-034-7(137) - 38-90 SHEET NUMBER C.5

11-14-16 AM 11-14-16 AM

C:\V:\work\pww\110-121A\04-21-15\11083437\08\_1116



**SHOULDERS**

- ① Lane(s) to which the shoulder is adjacent.
- ② Bid Item
- ③ Applies only for Paved Shoulders constructed on project with existing granular shoulders.
- ④ Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 0, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Road Identification	Station to Station	Side	P		G		L		Class 13 Excavation		Binder		Paved Shoulder		Reinforced Paved Shoulder				Special Backfill				Granular Shoulder		Earth Shoulder Construction Alternates				Remarks
			Direction of Traffic	Length	Width	Width	Length	CY	TON	SY	CY	TON	CY	SY	HMA Alternate		PCC Alternate		TON	CY	TON	CY	HMA	PCC	CY	CY			
															TON	TON	TON	TON											
															TON/STA	TON/STA	TON/STA	TON/STA											
US 34	E 515+00.00	517+01.56	Rt.	4.0	6.0	201.6			UAC					47.8	23.7			44.2	21.9			2.0	20.2			(1)			
US 34	E 517+01.56	27.4	Rt.	0 to 4	6.0	27.4			UAC	0.2	8.7			6.5	23.7			6.0	21.9			0.3	2.8			(2)			
US 34	E 519+68.00	519+68.00	Rt.	4.0	6 to 11.6	36.6			UAC					10.6				10.0				0.4	3.7			(2)			
US 34	E 519+68.00	520+52.00	Rt.	15.6	11.6 to 12.4	124.3			UAC	4.0	200.3			66.4				6.4				1.2	12.5			(2)			
US 34	W 520+52.00	521+13.50	Lt.	4.0	6 to 9.1	44.0			UAC	1.1	57.6			19.9				6.4				0.3	2.4			(2)			
US 34	E 523+43.10	524+07.13	Rt.	9.8	13.1 to 14.0	64.0			UAC	1.6	79.6			26.8				6.4				0.6	6.4			(2)			
US 34	E 524+07.13	524+34.38	Rt.	4.0	9.1 to 6	27.3			UAC	4.9	245.2			81.9				6.4				1.8	17.8			(2)			
US 34	W 523+43.10	525+19.97	Lt.	4.0	10.3 to 6	31.8			UAC					8.3				7.8				0.3	3.2			(2)			
US 34	E 526+19.44	526+47.11	Rt.	4 to 0	6.0	27.7			UAC	0.2	8.9			6.6				6.1				0.3	2.8			(2)			
Detour	E 2015+00.00	2028+58.00	Rt.	4.0	6.0	1355.6			UAC					45.3				41.9				13.0	30.2			(1)			
Detour	W 2015+00.00	2026+68.37	Lt.	970.9																		9.7	18.7			(1)			
Totals											599.7								128.8								(2) UAC 4" Existing Shoulder		

**BRIDGE APPROACH SECTION**

Refer to the RK-Series.

Bridge Station	End	Location	Skew Ahead	Approach Pavement		Pay Thickness	T	Pay Length	Double-Refin. Pavement Area	Non-Refin. Pavement Area	Single-Refin. Pavement Area	Double-Refin. Pavement Area	Fixed or Movable Abutment		Subdrain		Class "A" Crushed Stone Backfill	Class "A" Polymer Modified Subbase	Remarks				
				Left	Right								Perforated Subdrain 4"	Subdrain Outlet	F or M	L or R				CY	TON	CY	TON
522+35.00	W	30	30	12.0	77.7	12.0	12.0	143.3	93.3	67.2	143.3	520+92.89	RT.	3.3	0.4	314.300	352.5	US 34					
522+35.00	E	30	30	12.0	77.7	12.0	12.0	143.3	93.3	67.2	143.3	523+03.11	RT.	3.3	0.4	314.300	352.5	US 34					
Subtotals								186.6	124.4	286.6													
Total								597.6															

**CRASH CUSHIONS**

- ① Bid Item to which the installation is adjacent.
- ② Complete this section when using the Temporary Crash Cushion bid item and Earthwork is needed for Sand Barrel Placement. Refer to BA-500.

No.	Direction of Traffic	Location Station	Obstacle	Side	Width	Crash Cushion (Select One)						Sand Barrel Details						Remarks			
						Temporary	Temporary	Temporary	Severe Use	Permanent	Permanent	Severe Use	Permanent	Permanent	Severe Use	Earthwork*			Spare Parts Kit (select One)		
																Length	Length		Length	Length	Length
1	EB	2020+64.75	RT.	1.90	1	8.50	24.25	13.75	11.75	43.80	125.0	192.0									Detour
2	WB	2023+42.34	Lt.	1.90	1	8.50	24.25	13.75	11.75	43.80	125.0	192.0									Detour