

ADDENDUM NO. 1

Sedgwick County Project: Ninnescah River Streambed Stabilization
@ 151st St. West (B443)

The items contained herein now become a part of the referenced plans and specifications. Please read the following items and acknowledge receipt of this addendum on the Proposal Page Number P-1. NOTE: THIS ADDENDUM MUST BE ACKNOWLEDGED TO CONSTITUTE A VALID BID.

SPECS:

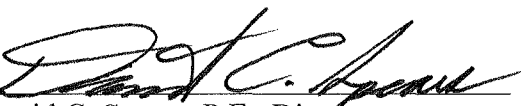
Replace Sheet SOP-1 with SOP-1R

Replace Sheet GN-1 with GN-1R

Add Sheets SWPPP-1 to 6

PLANS:

Replace Sheet 7 with Sheet 7R.

By: 
David C. Spears, P.E., Director,
Public Works/County Engineer

Date: January 10, 2013

GENERAL NOTES

Contractor Prequalification Waiver

Sedgwick County reserves the right to accept bids from contractors who are not prequalified by KDOT for the work to be performed on this project.

Riprap Specifications

Riprap for use on this project shall consist of stone meeting the material requirements of Subsection 1114.2a of the Kansas Department of Transportation Standard Specifications for State Road and Bridge Construction, except the size specification shall be amended as follows: The stone shall have an average size of 18 inches, with no more than of 50% of the stones passing a sieve with an 18" opening and having a maximum stone size of 27" (1.5 times the D₅₀).

The Contractor may mix in smaller stone to provide the size diversity necessary to meet the average 18" size requirement. Smaller stone shall meet either the material specification for Stone for Riprap under Subsection 1114.2a, except the size specifications, or Stone for Shot Rock under Subsection 1114.2f of the aforementioned Standard Specifications. The Contractor shall blend the stone on site and provide certified weight tickets for each load to Sedgwick County.

Measurement and Payment of Riprap

Section 829, Riprap, of the Standard Specifications shall be amended for this project. Delete subsection 829.4 on page 800-71 and replace with the following:

The Engineer will measure stone riprap by the ton. Payment for "Riprap (Heavy Stone) (D₅₀=18")" at the contract unit price is full compensation for the specified work. The unit price shall govern regardless of the quantity of overrun or underrun.

Equipment Limitations

It is anticipated that tracked vehicles will be allowed to access the Ninnescah River within the boundaries of the temporary construction easement for the purpose constructing the improvements described in the Contract Documents. The Contractor will take necessary steps to limit the area of disturbance below the ordinary high water mark and shall be required to meet the requirements of the Federal Water Pollution Control Act (Clean Water Act), as well as the stated best management practices noted in the Stormwater Pollution Prevention Plan (SWPPP).

Stormwater Pollution Prevention Plan

A SWPPP has been developed for this project. The Contractor will be required to implement the best management practices (BMPs) described in the plan. A copy of the plan has been provided in the Contract Documents. All work, labor, equipment, materials, etcetera required to meet the requirements of the SWPPP shall be SUBSIDIARY to the Temporary Erosion and Pollution Control bid items.

**STORMWATER POLLUTION PREVENTION PLAN
FOR IMPROVEMENT OF
Streambank Stabilization, Bendway Weirs, Live Willow Stakes on Ninnescah River Bank**

SITE DESCRIPTION	
Project Name and Location:	Streambank Stab., Bendway Weirs, Live Willow Stakes 151 st and Ninnescah River, Clearwater, KS
Owner Name and Address:	Sedgwick County, KS 1144 S. Seneca Wichita, KS 67213
Description: This project will consist of constructing streambank stabilization, bendway weirs and live willow stakes along the North bank of the Ninnescah River. Soil Disturbing activities will include: maintaining a stabilized construction entrance and other erosion and sediment controls: grading; excavation for rock bedding; and preparation for final planting and seeding.	
Runoff Coefficient:	The final coefficient of runoff for the site will be $c = 0.35$
Site Area:	The site covers approximately 0.8 acres, all will be disturbed by construction activities.
Sequence of Major Activities	
The order of activities for each lot as it is improved will be as follows:	
<ol style="list-style-type: none"> 1. Install stabilized construction entrances. 2. Construct earth dike around spill control area and install sediment controls. 3. Cutting and soaking of live willow stakes 4. Clear & grub construction access path. 5. Place rock for bendway weirs and toe protection. 6. Complete site grading. 7. Place rock for toe protection. 	<ol style="list-style-type: none"> 8. Install permanent seeding, plantings and live cuttings. 9. When all construction activity is complete and the site is stabilized, remove sediment controls and re-seed and areas disturbed by their removal.
The project by definition drains into the Ninnescah River.	
CONTROLS	
Erosion and Sediment Controls	
Stabilization Practices	
<p>Temporary stabilization - Top soil stock piles and disturbed portions of the site where construction activity temporarily ceases for at least 14 days will be stabilized with temporary seed and mulch no later than 21 days from the last construction activity in that area. The temporary seed shall be Rye or other approved seed mix. Prior to seeding, fertilizer shall be applied to each area being stabilized. After seeding, each area shall be mulched with straw.</p> <p>Permanent Stabilization - Disturbed portions of the site where construction activities permanently cease shall be stabilized with permanent seed no later than 14 days after the last construction activity. The per-manent seed shall be tall fescue or other approved seed mix. Prior to seeding, fertilizer shall be applied to each area being stabilized. After seeding, each area shall be mulched with straw. The construction plans also call for live cuttings to be placed above the waterline and efforts shall be made to place the cuttings as soon as practicable after major construction activities have been completed.</p>	

CONTROLS (Continued)
Structural Practices

Stabilized construction entrances shall be constructed at all locations where construction equipment will enter the project site. Silt fence shall be placed at the downhill edge of the construction access path. Weir and toe protection material shall be promptly placed in areas determined to be subject to stream erosion.

Storm Water Management

The slope of the natural ground shall convey storm water to the river in the pre and post project condition.

OTHER CONTROLS

Waste Disposal:

Waste Materials

All trash and construction debris will be placed in an appropriate container. No construction waste will be buried onsite. All personnel will be instructed regarding the correct procedure for waste disposal. The Contractor's superintendent will be responsible for seeing that these procedures are followed.

Hazardous Waste

All hazardous waste materials will be disposed of in the manner specified by local or State regulations or by the manufacturer. Site personnel will be instructed in these practices and the Contractor's superintendent will be responsible for seeing that these procedures are followed.

Sanitary Waste

All sanitary waste will be collected from the portable units a minimum of once per week by a licensed sanitary waste management contractor, as required by local regulation.

Offsite Vehicle Tracking:

A stabilized construction entrance will be provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site entrance will be cleaned as necessary to remove any excess mud, dirt, or rock tracked from the site.

All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage and to minimize exposure of the river to mechanical fluids. In addition, All equipment will be thoroughly washed or cleaned prior to contact with waters and should be held to the bare minimum necessary to complete the project outside of restricted dates to prevent transport of exotic species such as the Zebra Mussel (*Dreissena polymorpha*).

TIMING OF CONTROLS/MEASURES

As indicated in the Sequence of Major Activities, the earth dike, stabilized construction entrance and sediment controls will be constructed prior to clearing or grading of any other portions of the site. Areas where construction activity temporarily ceases for more than 14 days will be stabilized with a temporary seed and mulch within 21 days of the last disturbance. Once construction activity ceases permanently in an area, that area will be stabilized with permanent seed and mulch. After the entire site is stabilized, the accumulated sediment will be removed from the sediment controls and the earth dike will be removed.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

The storm water pollution prevention plan reflects State requirements for storm water management and erosion and sediment control. There are no applicable local requirements for sediment and erosion site plans (or permits), or storm water management site plans (or permits) since the disturbed area is less than 1 acre.

MAINTENANCE/INSPECTION PROCEDURES

Erosion and Sediment Control Inspection and Maintenance Practices

These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls.

- All control measures will be inspected at least once each week and following any storm event of 0.5 inches or greater.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report.
- Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
- Silt fence will be inspected for depth of sediment, tears, fabric attachment to fence posts, and fence post placement in the ground.
- The earth dike around the spill control area will be inspected and any breaches promptly repaired.
- Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.
- The grass lined ditches will be regraded and reseeded as necessary to maintain positive drainage.
- A maintenance inspection report will be made after each inspection
- The Contractor will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.
- Personnel selected for inspection and maintenance responsibilities will receive training in all of the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

MAINTENANCE/INSPECTION PROCEDURES (Continued)

Non-Storm Water Discharges

It is expected that the following non-storm water discharges will occur from the site during the construction period:

- Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred).

INVENTORY FOR POLLUTION PREVENTION PLAN

The materials or substances listed below are expected to be present onsite during construction:

- Detergents
- Fertilizers
- Crushed Rock / Rip Rap
- Petroleum Based Products
- Cleaning Solvents
- Wood

SPILL PREVENTION

Material Management Practices

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff.

Good Housekeeping:

The following good housekeeping practices will be followed onsite during the construction project:

- An effort will be made to store only enough product required to do the job.
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
- Products will be kept in their original containers with the original manufacturer's label.
- Substances will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible, all of a product will be used up before disposing of the container.
- Manufacturer's recommendations for proper use and disposal will be followed.
- The site superintendent will inspect daily to ensure proper use and disposal of materials onsite.
- When all construction activity is complete and the site is stabilized, remove sediment controls and re-seed and areas disturbed by their removal.

Hazardous Products:

These practices are used to reduce the risks associated with hazardous materials:

- Products will be kept in original containers unless they are not resealable
- Original labels and material safety data will be retained; they contain important product information
- If surplus product must be disposed of, manufacturers' or local and State recommended methods for proper disposal will be followed.

SPILL PREVENTION (Continued)

Product Specific Practices

The following product specific practices will be followed onsite:

Petroleum Products:

The Contractor will ensure that all petroleum products, chemicals, and other fuels are stored by methods that prevent spills from entering any nearby streams within or near the project area. Spills that occur within 500 yards of protected streams will be cleaned up within 24 hours to prevent pollution from runoff. The Contractor must notify the following agencies upon discovering a spill to possibly undertake efforts to rescue protected species within the affected area: KDWPT, Ecological Services Section (telephone number 620-672-5911); United States Department of the Interior, Fish and Wildlife Service (telephone number 785-539-3474); and Kansas Department of Health and Environment (telephone number 785-296-1679).

Fertilizers:

Fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

Paints:

All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be properly disposed of according to the manufacturer's instructions or State and local regulations.

Concrete Trucks:

Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash water on the site except in designated areas.


Spill Control Practices

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

- Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size.
- The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.
- The Contractor's superintendent will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be posted in the material storage area and in the office trailer onsite.

POLLUTION PREVENTION PLAN CERTIFICATION

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 inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, 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.

Signed:  _____
Alex M. Lane, P.E.
Engineer
Ruggles, and Bohm P.A.

Date: 1-10-13 _____

OWNER CERTIFICATION

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature	For	Responsible for
_____ Owner Date: _____		

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COUNTY	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SEDGWICK	KANSAS	B443	2012	7R	20

SUMMARY OF DRAINAGE STRUCTURES (FOR INFORMATION ONLY)								
STATION	SIDE	SIZE	TYPE	CONCRETE GRADE 4.0 (CU. YD.)	REINFORCING STEEL (GR. 60) (LBS.)	ENTRANCE PIPES (L.F.)		REMARKS
						30" (CMP)	30" (CM)	
34+39	Lt.	30"	CMP			82	0	Temporary; see notes.
TOTALS						82	0	

SUMMARY OF RIPRAP (HEAVY STONE)							
ITEM	LENGTH	BOTTOM WIDTH	TOP WIDTH	HEIGHT	TONS ^Δ	D ₅₀ =18" S.Y. [¶]	REMARKS
LPSTP	675'	15'	0'	6'	2,548.1	1,125.0	
LPSTP Key (E)	70'	6'	6'	6'	228.79	46.7	
LPSTP Key (W)	80'	6'	6'	6'	261.4	53.3	
Weir #1	45'	22'	10'	4'	402.9	144.7	Includes weir key. See Sh. No. 4.
Weir #2	40'	22'	10'	4'	373.9	144.7	Includes weir key. See Sh. No. 4.
Weir #3	45'	22'	10'	4'	402.9	144.7	Includes weir key. See Sh. No. 4.
Weir #4	45'	22'	10'	4'	402.9	132.4	Includes weir key. See Sh. No. 4.
TOTAL					4,620.9	1,791.5	

^Δ Computed at the rate of 165 lbs/ft³ and increased by 10% for scour protection and contingencies.
[¶] For information only. Measured along the bottom width. See Sh. No. 4 and 5 for dimension details.

SUMMARY OF STABILIZED CONSTRUCTION ENTRANCE ^ψ							
STATION	SIDE	"L" (FT.)	"W" (FT.)	"T" (IN.)	"R" (FT.)	QTY. (EA.)	2"-3" COURSE AGGREGATE (C.Y.)
25+55	Lt.	58	30	6	20	1	84.4
34+01	Rt.	58	30	6	20	1	84.4
34+39	Lt.	64	30	6	20	1	83.0
TOTAL						3	251.8

^ψ For information only.

RECAPITULATION OF QUANTITIES		
ITEM	QUANTITY	UNIT
Contractor Construction Staking	Lump Sum	L.S.
Mobilization	Lump Sum	L.S.
Maintenance and Restoration of Haul Roads (Set Price)	Lump Sum	L.S.
Clearing and Grubbing	Lump Sum	L.S.
Common Excavation	124	Cu. Yd.
Embankment (Contractor Furnished)	544	Cu. Yd.
Riprap (Heavy Stone) (D ₅₀ =18")	4,621	Tons
Stabilized Construction Entrance	3	Each
Furnishing and Planting Plant Material	Lump Sum	L.S.
Live Willow Stakes	Lump Sum	L.S.
Traffic Control	Lump Sum	L.S.
G20-Special Sign	6	Each

For Live Willow Staking quantities, see Sh. No. 6. (For information only.)
 For Temporary Erosion and Pollution Control quantities, See Sh. No. 8.
 For Permanent Seeding quantities, see Sh. No. 12.
 For Furnishing and Planting Plant Material quantities, see Sh. No. 13. (For information only.)

EARTHWORK NOTES

Quantities shown for "Common Excavation" are for excavation within the project limits.

No separate measurement or payment will be made for initial consolidation and settlement. These items shall be SUBSIDIARY to other earthwork bid items.

The Contractor shall place embankment behind the toe protection rock structure and grade to the existing bank per the Contract Documents or as directed by the Engineer. Double handling of material stockpiled, over excavation and placement of material through cuts and over excavation and replacement of material to the original ground line through fills is not quantified and shall be SUBSIDIARY to other earthwork bid items.

This project will not include payment for overhaul. Stockpiling of excavated material due to staged construction and/or double handling of excavated material required to complete the embankment will not be paid for separately, but shall be SUBSIDIARY to other earthwork bid items.

The bid item "Common Excavation" refers to all excavation required to appropriately align and construct the rock weir and toe protection structures per the Contract Documents. The bid item "Embankment (Contractor Furnished)" refers to fill material in excess of the excavation quantity needed to grade the bank behind and above the toe protection. Constant erosion and natural fluvial processes prevents an accurate quantity calculation at the time of plan preparation. Therefore, the quantity stated is an estimate and the unit price for "Common Excavation" and "Embankment (Contractor Furnished)" shall govern regardless of overrun or underrun.

SUMMARY OF EARTHWORK QUANTITIES												
LOCATION	EXCAVATION						FILL				WASTE ^ψ	
	COMMON		CONTRACTOR FURNISHED		ROCK		CONTRACTOR FURNISHED		EMBANKMENT*		COMMON	ROCK
	C.Y.	V.M.F.	C.Y.	V.M.F.	C.Y.	V.M.F.	C.Y.	V.M.F.	C.Y.	V.M.F.	C.Y.	C.Y.
Streambank	124	0.87	--	--	--	--	544	0.87	124	0.87	0	0
TOTALS											124	0

^ψ For information only.
 *Quantity is duplicated from Common Excavation to clarify the total fill quantity.

NOTES

The bid item "Stabilized Construction Entrance" shall be full compensation for the construction, maintenance, and removal of entrance as directed by the Engineer and detailed on Sh. No. 2.

All temporary drainage structures or channels and all work necessary to maintain proper drainage shall be SUBSIDIARY to other items of the contract. End sections will not be required on temporary pipes.

NEW SHEET - Released by addendum
 DATE Jan. 10, 2013
 VOID PREVIOUS ISSUE

Ninnescah River Streambank Stabilization					
SUMMARY OF QUANTITIES					
PREPARED BY SEDGWICK COUNTY PUBLIC WORKS HIGHWAY DEPARTMENT					
DAVID C. SPEARS, P.E.			DIRECTOR/COUNTY ENGINEER		
REVISED	SCALE	DESIGNED	DRAWN	CHECKED	SHEET NO.
	NONE	L.T.P.	L.T.P.	L.T.P.	7R
	DATE	12/2012	12/2012	12/2012	
DWG: Summary of Quantities.dwg					