



Department of Transportation

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3268

FAX: 605/773-6608

May 19, 2014

ADDENDUM NO. 1

RE: Item #6, May 21, 2014 Letting - P SRTS(24), PCN 03C8, Hutchinson County - Safe Routes to School

TO WHOM IT MAY CONCERN:

The following addenda to the plans shall be inserted and made a part of your proposal for the referenced project.

SPECIAL PROVISIONS: NO CHANGE

BID ITEM FILE: Bid Item 734E0040 "Soil Stabilizer" Lb was deleted
Bid item 734E0042 "Soil Stabilizer" SqYd was added

PLANS: Please destroy sheets 2, 9 and 10 and replace with the enclosed sheets, dated 4/25/14.

Sheet 2: Bid Item 734E0040 "Soil Stabilizer" Lb was deleted
Bid item 734E0042 "Soil Stabilizer" SqYd was added

Sheet 9: SOIL STABILIZER note was revised.

Sheet 10: Note placement was adjusted.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/cj

CC: Craig Smith, Mitchell Region Engineer
Tammy Williams, Mitchell Area Engineer

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	MOBILIZATION	1	LS
100E0010	CLEAR AND GRUB STUMP	15	EACH
110E0130	REMOVE TRAFFIC SIGN	4	EACH
110E1010	REMOVE ASPHALT CONCRETE PAVEMENT	3.9	SY
110E1050	REMOVE ASPHALT CONCRETE APPROACH PAVEMENT	13.8	SY
110E1130	REMOVE CONCRETE DRIVEWAY PAVEMENT	262.0	SY
110E1140	REMOVE CONCRETE SIDEWALK	865	SY
120E0010	UNCLASSIFIED EXCAVATION	135	CY
230E0100	REMOVE AND REPLACE TOPSOIL	1	LS
250E0010	INCIDENTAL WORK	1	LS
260E3010	GRAVEL SURFACING	5.0	TON
380E3020	6" PCC DRIVEWAY PAVEMENT	56.7	SY
380E3520	6" PCC APPROACH PAVEMENT	204.6	SY
632E1320	2.0"x2.0" PERFORATED TUBE POST	33.0	FT
632E3203	FLAT ALUMINUM SIGN, NONREMOVABLE COPY HIGH INTENSITY	51.0	SF
632E3710	RADAR SPEED SIGN, SOLAR POWERED	3	EACH
633E1430	PAVEMENT MARKING PAINT, 24" WHITE	877	FT
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS
635E2000	PEDESTAL SIGNAL POLE	3	EACH
635E5020	2' DIAMETER FOOTING	18.0	FT
635E5960	SOLAR POWERED FLASHING BEACON	8	EACH
651E0040	4" CONCRETE SIDEWALK	9 013	SF
651E0060	6" CONCRETE SIDEWALK	1 117	SF
651E7000	TYPE 1 DETECTABLE WARNINGS	170	SF
730E0206	TYPE D PERMANENT SEED MIXTURE	122	LB
731E0100	FERTILIZING	40	LB
734E0042	SOIL STABILIZER	1908	SqYd
734E0845	SEDIMENT CONTROL AT INLET WITH FRAME AND GRATE	5	EACH
734E5005	DEWATERING	1	LS

SPECIFICATIONS

Standard Specifications for Roads & Bridges, 2004 Edition and Required Provisions, Supplemental Specifications and/or Special Provisions as included in the Proposal.

GENERAL

At completion of the project, all finish backfill, finish shaping, and finish grading within the project shall create a finished product of quality (both in usage and appearance), shall be done to the satisfaction of the engineer, and shall be incidental to construction with no specific pay item.

The Contractor shall give 48-hour notification for staking.

The general contractor shall have a superintendent or foreman on site at all time during construction for direction and supervision. A subcontractor cannot represent the general contractor.

The Contractor shall perform construction operations only during daylight hours, unless the Engineer approved additional hours.

A staging site should be acquired by the contractor and will be the contractor's responsibility.

SUGGESTED SEQUENCE OF CONSTRUCTION

- 1) Project Signage
- 2) Removals
- 3) Paving
- 4) Finish Work

The above sequence is a suggestion. The contractor may provide a different sequence. The contractor shall provide a schedule of construction activities to be reviewed and approved by the engineer before construction begins.

MINIMUM TESTING REQUIREMENTS

The contractor shall hire a qualified testing company to perform all testing. This company shall be approved by the engineer before any concrete work can begin. The contractor shall coordinate with the testing company to have tests taken according to the specifications. All tests must be approved by the engineer before any work can continue in the tested area. The engineer can hire a testing company to verify any disputed tests provided by the contractor. The engineer has final approval on all compaction testing and concrete testing. All cost associated with testing shall be incidental to the project

In general, one set of concrete cylinders shall be made for the first 250 SY of concrete placed (for the first day's production); thereafter, one set of cylinders shall be made per 250 SY of concrete produced from each plant per day. No more than 1 set per day will be required, except in instances of failing fresh concrete tests. A set of cylinders shall consist of a minimum of 4 cylinders.

Concrete air content, unit weight, slump, and temperature determinations shall be made each time a concrete cylinder for compressive strength determination is made.

The contractor will be responsible for all failing tests and will pay for all retesting costs until a passing test is accomplished.

	PROJECT	SHEET NO.	TOTAL SHEETS
	CITY OF PARKSTON EAST MAIN ST. SRTS PROJECT 2013	2	37

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UTILITIES

The utility owners shall adjust utilities within the limits of the proposed construction unless otherwise indicated in these plans. The Contractor shall cooperate with the utility companies in accordance with Section 5.6 of the SDDOT Standard Specifications.

Field verification of depth and location of utilities will need to be done before construction of the project proceeds.

UTILITY	UTILITY COMPANY	CONTACT PERSON	PHONE
Water	City Of Parkston	Brenda Huether	605-928-3321
Sewer	City Of Parkston	Brenda Huether	605-928-3321
Telephone	SD One Call		800-781-7474
Electricity	SD One Call		800-781-7474
Gas	SD One Call		800-781-7474

Private Utilities—SD One Call – 800-781-7474

The contractor shall coordinate the relocation of all privately owned utility facilities when necessary to accommodate the new construction.

The contractor shall safe guard all utilities and coordinate his efforts to coincide with utility work in order to avoid interference and to minimize inconvenience between contractors and the public.

Any damage to utilities because of the contractor's carelessness shall be repaired at the contractor's expense.

Utility location as shown on the plan sheets may not be complete and accurate. The contractor shall call for utility locations in the field prior to beginning any excavation. The contractor shall replace any damaged utilities if marked on the plan sheets or located by utility companies.

All underground utilities should be accurately located in the field by the respective utility companies before any excavation, and notification of such utilities will be the responsibility of the contractor. Utilities as located within these plans are shown as a convenience to the contractor, and the engineer will not be held responsible for any omissions or inaccuracies.



PERMANENT SEEDING

The areas to be seeded comprise of all newly graded areas within the project limits except for the top of roadways and paved areas.

All permanent seed shall be planted in the topsoil at a depth of ¼" to ½".

All seed broadcast must be raked or dragged in (incorporated) within the top ¼" to ½" of topsoil when possible. This requirement may be waived by the Engineer during construction when raking or dragging is deemed not feasible by conventional methods. The Permanent Seeding shall comply with the requirements of South Dakota Seed Law. Permanent Seeding shall be paid for based on plans quantity.

Type D Permanent Seed Mixture shall consist of the following:

Grass Species	Variety	Pure Live Seed (PLS) (Pounds/1000 SqFt)
Kentucky Bluegrass	Alene, Avalanche	1.4
Perennial Ryegrass	Turf Type, Ascend	1.4
Creeping Red Fescue	Epic	1.4
Chewings Fescue	Ambrose	1.4
Alkali Grass	Fults, Fults II, Quill, Salty	1.4
Total:		7

FERTILIZING

A commercial fertilizer with a minimum guaranteed analysis of 18-46-0, 11-52-0, or an approved alternate fertilizer shall be applied to all areas designated for permanent seeding. The application rate of fertilizer shall be 100 pounds per acre.

SOIL STABILIZER

An estimated quantity of 1908 SqYd of soil stabilizer has been included in the Estimate of Quantities. The soil stabilizer shall be applied on permanently seeded areas and areas deemed necessary by the Engineer.

The Contractor shall apply soil stabilizer according to the manufacturer's application instructions and at the rate specified in the list of approved soil stabilizers.

Wood fiber mulch that contains a green dye shall be mixed with the soil stabilizer to be used as a tracer when the soil stabilizer is applied hydraulically. Wood fiber mulch shall be added at a rate of 300 pounds per acre to all of the approved soil stabilizers listed in the table except for the Pam-12 Plus product. The wood fiber mulch shall be a 100% wood fiber product and does not need to contain a tackifier.

All costs for furnishing and applying the soil stabilizer including wood fiber mulch, hauling, materials, equipment, labor, and incidentals necessary shall be paid for at the contract unit price per SqYd for "Soil Stabilizer".

The soil stabilizer shall be from the list below or an approved equal:

Product
StarTak 600
Applied at a rate of 150 Lb/Acre

Product
Pam-12 Plus
Applied at a rate of:
Slope
None to 4:1 1000 Lb/Acre
4:1 to 3:1 1000 to 2000 Lb/Acre
3:1 to 2:1 2000 to 3000 Lb/Acre

Product
M-Binder
Applied at a rate of 150 Lb/Acre

Product
FiberRX
Applied at a rate of:
Slope
None to 4:1 50 Lb/Acre
3:1 60 Lb/Acre
2:1 70 Lb/Acre
1:1 or steeper 80 Lb/Acre

Product
EnviroPam
Applied at a rate of 9 Lb/Acre

Product
HydraTack, Tack Plus,
Tack-P, or Tack-P Plus
Applied at a rate of 30 Lb/Acre

Product
FI-1045 Hydrobond or
FI-1046 Hydrobond
Applied at a rate of 15 Lb/Acre

Product
HF5000 Tack
Applied at a rate of 60 Lb/Acre

Product
R-Tack
Applied at a rate of 150 Lb/Acre

Product
SpecTac
Applied at a rate of:
Slope
None 30 to 80 Lb/Acre
4:1 50 to 100 Lb/Acre
3:1 80 to 120 Lb/Acre
2:1 100 to 170 Lb/Acre

Manufacturer
Chemstar Products Company
Minneapolis, MN
Phone: 1-800-328-5037
www.chemstar.com

Manufacturer
ENCAP, LLC
Green Bay, WI
Phone: 1-877-405-5050
<http://professional.encap.net/>

Manufacturer
Ecology Controls
Carpinteria, CA
Phone: 1-805-684-0436
www.ssseeds.com

Manufacturer
Hydrostraw, LLC
Manteno, IL
Phone: 1-800-545-1755
<http://hydrostraw.com/>

Manufacturer
Innovative Turf Solutions, LLC
Cincinnati, OH
Phone: 1-513-317-8311
www.innovativeturfsolutions.com

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Cincinnati, OH
Phone: 1-513-317-8311
www.innovativeturfsolutions.com

Manufacturer
JRM Chemical, Inc.
Cleveland, OH
Phone: 1-216-475-8488
www.soilmoist.com

Manufacturer
Rantec Corporation
Ranchester, WY
Phone: 1-307-655-9565
www.ranteccorp.com

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Phone: 1-307-655-9565
www.ranteccorp.com

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Product
Super Tack
Applied at a rate of 60 Lb/Acre

Product
EarthGuard SFM
Applied at a rate of 60 LB/Acre
(approx. 6 Gallons/Acre)

PROJECT CITY OF PARKSTON EAST MAIN ST. SRTS PROJECT 2013	SHEET NO.	TOTAL SHEETS
	9	37

Manufacturer
Rantec Corporation
Ranchester, WY
Phone: 1-307-655-9565
www.ranteccorp.com

Manufacturer
Terra Novo Inc.
Bakersfield, CA
Phone: 1-661-747-5956
www.terrano.com

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MAILBOXES, STREET & MISCELLANEOUS SIGNS, AND SPRINKLERS

The Contractor shall remove any mailboxes, street signs and miscellaneous signs and safe guard them thru construction. The Contractor shall reset any mailboxes, street signs and miscellaneous signs to the correct height and location behind the curb and gutter, when construction is complete. The contractor shall install expansion material around all sign post, fire hydrants or any other obstruction located inside the proposed concrete paving. The contractor shall also safeguard any sprinklers systems in the ROW during construction if possible. There are anticipated to be some sprinklers along this project. If sprinklers are found during construction the contractor will make every attempt to safeguard them and work with the homeowner to prevent their destruction. This shall be incidental to the contract.

WATER FOR GRANULAR MATERIAL

Water for granular material will be estimated at a rate of 0.012 Mgal per ton. All water for granular material including hauling and application will be incidental to the contract unit price per Ton for "Gravel Surfacing" or to the various incidental sidewalk and driveway base course items. No special payment will be made for watering base course, gravel surfacing, subgrade, or for dust control.

DAMAGE TO PROPERTY

The Contractor shall take care that private and public property off the construction site is not damaged by construction operations. In the event that such damage occurs due to the Contractor's negligence, the Contractor shall restore the damage area to the pre-construction condition at no cost to the City or any private property owner. This work shall be completed to the satisfaction of the Engineer and the property owner.



DEWATERING

Maintenance of Drainage is the Contractor's responsibility. The Contractor shall be aware of existing drainage conditions and facilities. The Contractor shall provide for drainage during all phases of construction. Damage caused by improper temporary drainage facilities shall be repaired at the Contractor's expense and to the satisfaction of the Engineer and the Owner.

The Contractor shall assure that drainage to inlets and manholes are accomplished at the conclusion of the construction.

No water will be allowed to sit on the project. Water shall be pumped immediately and any saturated material removed immediately. This will prevent water infiltration under curb and gutter, and sidewalks, and from causing moisture problems in different road materials. The labor and materials to do this shall be paid for under the standard bid item "Dewatering".

EROSION CONTROL

The Contractor shall perform all construction on the project in such a manner to minimize erosion from areas disturbed by excavation, grading, or other activities.

The Contractor shall conduct his excavation and haul operations in such a manner as to minimize vehicle tracking of mud on to paved street surfaces. Should the Contractor track any mud onto a paved street as part of his operations, the Contractor will be responsible for immediately cleaning the street by street sweeping or other means. The Contractor shall work to stabilize disturbed areas as soon as practical.

Erosion and Sediment Control Measures will consist of inlet protection. Additional erosion control may be required as determined by the Engineer.

All paved streets adjacent to the site shall be cleaned at the end of each working day if sediment from the disturbed area is tracked on them.

No additional payment will be made for any work, equipment or materials associated with Erosion Control except Sediment Control at Inlets with Frames and Grates.

SEDIMENT CONTROL AT INLETS WITH FRAMES AND GRATES

This type of sediment control device should be used where there is pavement in the vicinity of the drop inlets and storm water or sediment could possibly enter the frame and grate. Sediment Control at Inlets with Frame and Grates shall be installed prior to working in the vicinity of the drop inlets.

The Contractor shall be responsible for maintaining and repairing the sediment control devices for the duration of the project for which sediment control measures are required. Maintenance shall be scheduled to prevent storm water from backing up into the driving lane.

"Sediment Control at Inlets with Frames and Grates" will be paid for one time at each location, regardless of the number of times the sediment control devices are installed, inspected, cleaned, removed, repaired, or replaced. All costs associated with furnishing, installing, inspecting, maintaining, cleaning, sediment removal, and repairing Sediment Control at Inlets with Frames and Grates shall be incidental to the contract unit price per each for "Sediment Control at Inlet with Frame and Grate".

Sediment collection devices shall be:

A commercial made sediment collection device from the "Sediment Control at Inlet with Frame and Grate" list or an approved equal. The device shall be installed in reinforced concrete drop inlets according to the manufacturer's recommendations.

A sediment control device as shown on Standard Plate 734.10. Filter fabric used for constructing the sediment control at inlets with frames and grates shall be the same type of fabric that is used in high flow silt fence from the approved product list. The approved product list may be viewed at the following internet site:

<http://apps.sd.gov/Applications/HC54ApprovedProducts/main.asp>

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Sediment Control at Inlet with Frame and Grate Approved List:

Product	Manufacturer
InfraSafe Debris Collection Device with filter sock	Royal Environmental Systems, Inc. Stacy, MN Phone: 1-800-817-3240 www.royalenterprises.net
Dandy Curb Sack	Dandy Products Inc. Dublin, OH Phone: 1-800-591-2284 www.dandyproducts.com
Silt Trapper	Storm Water Solutions Lakeville, MN Phone: 1-952-461-4376 www.silttrapper.com
DIP Basket	Skyview Construction Co., LLC Waubay, SD Phone: 1-605-520-0555 www.skyviewconst.com
FLEXSTORM Inlet Filters	Inlet and Pipe Protection, Inc. Naperville, IL Phone: 1-866-287-8655 www.inletfilters.com
GR-8 Guard or Combo Guard	ERTEC Environmental Systems LLC Alameda, CA Phone: 1-866-521-0724 www.ertecsystems.com
Sediment Catchers	Shaun Jensen Brookings, SD Phone: 1-605-690-4950

TABLE OF SEDIMENT CONTROL AT INLETS WITH FRAMES AND GRATES		
Station	L/R	Quantity (each)
9+23.7	41.89' L	1
9+63.4	41.89' L	1
13+28.6	80.24' L	1
18+47.6	25.34' L	1
18+47.7	26.53' R	1

Total: 5



Kim LaRue