



# Department of Transportation

## Office of Project Development

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February 29, 2016

### ADDENDUM NO. 1

**RE: Item #12, March 2, 2016 Letting - P 0020(124)363, PH 0025(77)164, PCN 025V, 04J6, Clark County - Cold Milling Asphalt Concrete, Asphalt Concrete Resurfacing, & Pipe Repair**

### 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:** *Bidders must log in to retrieve the addendum bid item file that must be loaded into the SDEBS to incorporate the revisions listed here.*

**Quantities for Bid Items were changed:**

Bid Item 634E0010 "Flagging" changed from 680 to 1,616.0 Hour

Bid Item 634E0020 "Pilot Car" changed from 270.0 to 763.0 Hour

**Bid Items were removed:**

Bid Item 734E0630 "Floating Silt Curtain"

**PLANS:** Please destroy sheets 2, 3, and 20 and replace with the enclosed sheets, dated 2/26/15.

**Sheet 2:** Quantities for Bid Item 634E0010 "Flagging" changed from 300 to 1,236.0 Hour and quantities for Bid Item 634E0020 "Pilot Car" changed from 125.0 to 618.0 Hour.

**Sheet 3:** Bid Item 734E0630 "Floating Silt Curtain" was removed.

**Sheet 20:** TRAFFIC CONTROL note was revised.

Sincerely,

Sam Weisgram  
Engineering Supervisor

SW/cj

CC: Jeff Senst, Aberdeen Region Engineer  
Brad Letcher, Huron Area Engineer

# ESTIMATE OF QUANTITIES

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0025(77)164 P 0020(124)363	2	109

Plotting Date: 11/15/2015

Revised 02/26/2016 MW

## PH 0025(77)164, PCN 04J6

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
004E0010	Blading	6	Hour
009E0010	Mobilization	Lump Sum	LS
110E0130	Remove Traffic Sign	6	Each
110E0600	Remove Fence	1,127	Ft
110E1690	Remove Sediment	1.0	CuYd
110E1700	Remove Silt Fence	10	Ft
110E7150	Remove Sign for Reset	2	Each
120E0010	Unclassified Excavation	28,912	CuYd
120E0100	Unclassified Excavation, Digouts	16	CuYd
120E2000	Undercutting	6,331	CuYd
120E6100	Water for Embankment	19.8	MGal
120E6200	Water for Granular Material	86.4	MGal
205E0010	Dust Control Chloride	10,110	Lb
230E0010	Placing Topsoil	2,530	CuYd
250E0020	Incidental Work, Grading	Lump Sum	LS
260E1010	Base Course	293.0	Ton
260E1030	Base Course, Salvaged	6,217.3	Ton
270E0040	Salvage and Stockpile Asphalt Mix and Granular Base Material	7,563.8	Ton
270E0210	Haul and Stockpile Granular Material	1,346.5	Ton
320E0007	PG 64-28 Asphalt Binder	107.2	Ton
320E1002	Class Q2 Hot Mixed Asphalt Concrete	1,865.2	Ton
320E4000	Hydrated Lime	18.5	Ton
320E7008	Grind 8" Rumble Strip or Stripe in Asphalt Concrete	0.7	Mile
330E0010	MC-70 Asphalt for Prime	10.9	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	3.9	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	1.9	Ton
330E1000	Blotting Sand for Prime	25.6	Ton
330E2000	Sand for Flush Seal	19.9	Ton
421E0100	Pipe Culvert Undercut	56	CuYd
450E0142	24" RCP Class 2, Furnish	106	Ft
450E0150	24" RCP, Install	106	Ft
450E0162	30" RCP Class 2, Furnish	84	Ft
450E0170	30" RCP, Install	84	Ft
450E2200	24" RCP Sloped End, Furnish	2	Each
450E2201	24" RCP Sloped End, Install	2	Each
450E2204	30" RCP Sloped End, Furnish	2	Each
450E2205	30" RCP Sloped End, Install	2	Each
450E4759	18" CMP 16 Gauge, Furnish	60	Ft
450E4760	18" CMP, Install	60	Ft
450E5406	18" CMP Safety End, Furnish	2	Each
450E5407	18" CMP Safety End, Install	2	Each
620E0020	Type 2 Right-of-Way Fence	512	Ft
620E1020	2 Post Panel	2	Each
632E1320	2.0"x2.0" Perforated Tube Post	107.0	Ft

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
632E1340	2.5"x2.5" Perforated Tube Post	30.0	Ft
632E2510	Type 2 Object Marker Back to Back	4	Each
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	83.3	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	5.6	SqFt
632E3500	Reset Sign	2	Each
633E1300	Pavement Marking Paint, White	10	Gal
633E1305	Pavement Marking Paint, Yellow	10	Gal
634E0010	Flagging	1,236.0	Hour
634E0020	Pilot Car	618.0	Hour
634E0110	Traffic Control Signs	513	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0630	Temporary Pavement Marking	1.3	Mile
720E1015	Bank and Channel Protection Gabion	6.0	CuYd
730E0212	Type G Permanent Seed Mixture	101	Lb
731E0200	Fertilizing	1.95	Ton
732E0100	Mulching	8.0	Ton
734E0154	12" Diameter Erosion Control Wattle	100	Ft
734E0604	High Flow Silt Fence	40	Ft
734E0610	Mucking Silt Fence	3	CuYd
734E0620	Repair Silt Fence	10	Ft
900E0010	Refurbish Single Mailbox	1	Each

\* - Denotes Non-Participating

PLOT SCALE - 1:200

PLOT NAME - 1

FILE - ... \PRJ\CLR04J6\04J6 BORDER.DGN

PLOTTED FROM - TRAB1222



STATE OF	PROJECT	SHEET	TOTAL
SOUTH	PH 0025(77)164	NO.	SHEETS
DAKOTA	P 0020(124)363	20	109
Plotting Date: 11/15/2015			

Revised 02/26/2016 MW

### SURFACING THICKNESS DIMENSIONS

Plans tonnage will be applied even though the thickness may vary from that shown on the plans.

At those locations where material must be placed to achieve a required elevation, plans tonnage may be varied to achieve the required elevation.

### SCOPE OF WORK

Work on this project involves grading, culvert repairs and replacement, placement of Asphalt Concrete pavement, rumble strip and stripe, permanent signing and pavement markings.

### SEQUENCE OF OPERATIONS (SD 25, PCN 04J6)

Traffic shall be maintained through SD 25 and the junction of SD 20, and access shall be provided to the adjacent landowners, at all times.

The following general Sequence of Operations shall be adhered to. Any changes must be approved in writing by the Area Engineer prior to changes being made.

1. Install fixed location construction signing prior to start of work.
2. Install erosion control devices.
3. Remove existing surfacing and begin grading operations.
4. Complete grading activities.
5. Complete permanent seeding operations.
6. Complete asphalt paving operations.
7. Grind rumble stripes.
8. Place Flush Seal.
9. Install permanent pavement markings.
10. Install new permanent signing.
11. Refurbish mailbox.
12. Remove fixed location construction project signing.
13. Complete any remaining project cleanup.

### SEQUENCE OF OPERATIONS (SD 20, PCN 025V)

The Contractor shall submit to the Area Engineer a minimum of 2 weeks prior to the Preconstruction Meeting a detailed plan of how the culvert replacement will be staged. The plans shall show how the Contractor is going to maintain traffic, where equipment and materials are going to be stored on the project site and the total length of the work space. These plans shall be approved by the Area Engineer prior to starting work on the culvert replacement.

Before paving of class Q2 hot mixed asphalt concrete on the mainline, traffic must be run on the asphalt concrete composite (culvert replacement areas) for a minimum of 14 days.

The following general Sequence of Operations shall be adhered to. Any changes must be approved in writing by the Area Engineer prior to changes being made.

1. Install fixed location construction signing prior to start of work.
2. Install erosion control devices.
3. Complete culvert repairs and replacements.
4. Excavate digouts and complete backfill operations.
5. Complete all asphalt concrete strengthening and leveling.
6. Complete gravel placement operations on rural approaches and intersecting roads.
7. Knockdown gravel on approaches and intersecting roads.
8. Complete asphalt paving operations.
9. Final shaping of gravel on approaches and intersecting roads.
10. Grind rumble stripes and strips.
11. Place flush seal if required.
12. Install permanent pavement markings.
13. Install new permanent signing.
14. Refurbish mailboxes.
15. Remove fixed location construction project signing.
16. Mow project inslopes and complete any remaining project cleanup.

### GRADING OPERATIONS (SD 25)

Water for Embankment is estimated at the rate of 10 gallons of water per cubic yard of Embankment minus Waste.

The estimated cubic yards of excavation and/or embankment required to construct outlet ditches, ditch blocks, and approaches are included in the earthwork balance notes on the profile sheets.

Special ditch grades and other sections of the roadway different than the typical sections shall be constructed to the limits shown on the cross sections. If significant changes to the cross sections are necessary during construction, the Engineer shall contact the Designer for the proposed change.

Generally, all shallow inlet and outlet ditches as noted on the plan sheets shall be cut with a 10-foot wide bottom with 5:1 backslopes. However, the Engineer may direct the Contractor to adjust the ditch width for proper alignment with the drainage structure.

### UTILITIES

For SD 25 Grading:  
The Contractor shall be aware that the existing utilities shown in the plans were surveyed prior to the design of this project and might have been relocated or replaced by a new utility facility prior to construction of this project, might be relocated or replaced by a new utility facility during the construction of this project, or might not require adjustment and may remain in its current location. The Contractor shall contact each utility owner and confirm the status of all existing and new utility facilities. The utility contact information is provided elsewhere in the plans or bidding documents.

For SD 20 Culvert Repair/Replacement Locations:

Utilities are not planned to be affected on this project. If utilities are identified near the improvement area through the SD One Call Process as required by South Dakota Codified Law 49-7A and Administrative Rule Article 20:25, the Contractor shall contact the Project Engineer to determine modifications that will be necessary to avoid utility impacts

### TRAFFIC CONTROL

SD 25 and SD 20 shall remain open to traffic at all times.

During non-working hours a satisfactory roadway top for traffic shall be maintained at all times on SD 25 with the edge of the roadway marked with cones. From the start of the grading operation until the completion of the base course placement, the Contractor shall either maintain a minimum of 24' roadway top with no flagging or maintain a minimum of 14' roadway top with the use of 24 hour flagging and a pilot car. The overnight pilot car operation may be ceased at the discretion of the Engineer if traffic volumes don't warrant its use.

Upon completion of base course placement and until temporary pavement markings are in place, the edge of the roadway on SD 25 shall be marked with cones. All related costs to furnish, place and maintain the cones shall be incidental to the contract lump sum price for TRAFFIC CONTROL, MISCELLANEOUS.

Work activities during non-daylight hours are subject to prior approval.

Work zones for the various construction operations that utilize a pilot car shall not exceed 3 miles in length.

The bottom of signs on portable or temporary supports shall not be less than seven feet above the pavement in urban areas and one foot above the pavement in rural areas. Portable sign supports may be used as long as the duration is less than 3 days. If the duration is more than 3 days the signs shall be on fixed location, ground mounted, breakaway supports.

Traffic Control signs, as shown in the Itemized List for Traffic Control Signs, are estimates. Contractor's operation may require adjustments in quantities, either more or less. Payment will be for those signs actually ordered by the Engineer and used.

An Advisory Speed Plate displaying XX M.P.H shall be attached to all "Bump" signs used on the project. These speed plates are included in the table of Itemized List for Traffic Control Signs in these plans.