

Engineering Solutions

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Gate 2 Pave Roadway South Dakota State Fair Huron, South Dakota OSE# M2320 – 03X/SWMR

CONTRACTOR'S BID DATE:

December 18, 2019, 2:00 PM CT

PLACE FOR CONTRACTOR'S TO SUBMIT BIDS:

Office of the State Engineer Joe Foss Building 523 East Capitol Ave Pierre, South Dakota 57501-3182

ADDENDUM NO. 1

December 11, 2019

TO ALL PLANHOLDERS:

All revisions have been "clouded" on the revised plans set and noted below. The following changes, additions, and/or deletions are hereby made a part of the contract documents for the above-referenced project, as fully and completely as if the same were fully set forth therein:

Front End Documents

- 1. See Unit Prices sheet on the Bid Form.
 - a. See Bid Item 3 "Remove Concrete Approach Pavement": The quantity was adjusted from 31 SqYd to 34 SqYd. This additional quantity includes the removal of the existing concrete curb.
 - b. See Bid Item 6 "Saw Existing PCC Pavement": The quantity was adjusted from 48 Lft to 56 Lft. The additional quantity is due to the removal of the curb along Nevada Ave.
 - c. See Bid Item 8 "Grind Concrete Curb & Gutter": The bid item was changed to "Concrete Curb & Gutter" and will be used for the installation of the new curb and gutter along Nevada Avenue. The existing curb will now be replaced and not grinded. The quantity for this bid item was also changed from 20 Lft to 53 Lft.
 - d. See Bid Item 9 "Unclassified Excavation": The quantity was adjusted from 425.7 CuYd to 429.7 CuYd.
 - e. See Bid Item 14 "6" PCC Pavement": The quantity was adjusted from 57.2 SqYd to 48.2 SqYd. This subtraction is the result of now installing curb and gutter throughout the driveway approach.

Plan Sheets

- 1. Construction Plan Sheet 1 Title Sheet
 - a. See the Index of Sheets: An additional standard detail sheet was added for curb and gutter.
- 2. Construction Plan Sheet 2 Estimate of Quantities
 - a. See Bid Item 3 "Remove Concrete Approach Pavement": The quantity was adjusted from 31 SqYd to 34 SqYd. This additional quantity includes the removal of the existing concrete curb.
 - b. See Bid Item 6 "Saw Existing PCC Pavement": The quantity was adjusted from 48 Lft to 56 Lft. The additional quantity is due to the removal of the curb along Nevada Ave.
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 - See Bid Item 14 "6" PCC Pavement": The quantity was adjusted from 57.2 SqYd to 48.2 SqYd. This subtraction is the result of now installing curb and gutter throughout the driveway approach.
- 3. Construction Plan Sheet 4 Demolition Plan
 - The curb along Nevada Avenue has been changed from grinding to remove and replace.
 Additional concrete pavement will need to be removed in Nevada Avenue as well to remove the curb.
 - b. A note has been added to state that the quantity of curb and concrete in the street to be removed shall be included in "Remove PCC Approach Pavement."
- 4. Construction Plan Sheet 5 Erosion Control Plan
 - a. See Erosion Control Notes: Notes have been added for seeding and fertilizing. The seed mix type has been added.
- 5. Construction Plan Sheet 6 Site Plan
 - a. The curb that was to be grinded is now shown as proposed 24" curb and gutter. The jointing plan was updated to show the curb and gutter.

- b. See Site Notes: Note 3 specifies the type of asphalt to be used. The type of asphalt to be used has been changed from Class G asphalt to Class E Type 2 asphalt concrete with a maximum of 20% recycled asphalt pavement (RAP).
- c. See Site Notes: Note 11 was added specifying aggregate base course depth under concrete curb and gutter.
- d. See Site Notes: Note 12 was added specifying a brush finish on concrete surfacing.
- 6. Construction Plan Sheet 7 Grading Plan
 - a. See Proposed Spot Elevations: Spot elevations 39 & 40 have been removed.
 - b. See Grading Notes: Note 8 was added specifying the material and installation of the geotextile fabric, if it is needed.
- 7. Construction Plan Sheet 12 Standard Details
 - a. This sheet was added to show the standard detail for 24" curb and gutter.

All bidders shall acknowledge receipt and acceptance of ADDENDUM NO. 1 by signing the space provided on the Bid Form.

END OF ADDENDUM NO. 1

UNIT PRICES:

For changing quantities of work items from those indicated by the contract drawings upon written instruction from the Architect and State Engineer, the following unit prices shall prevail:

ITEM			APPROX.	Unit Bid	Amount
NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Price	Bid
1	Mobilization	LS	1		
2	Remove Asphalt Concrete Pavement	SqYd	24.3		
3	Remove Concrete Approach Pavement	SqYd	34		
4	Remove Concrete Sidewalk	SqYd	12.9		
5	Saw Existing Asphalt	LFt	58		
6	Saw Existing PCC Pavement	LFt	56		
7	Salvage Topsoil	CuYd	46.3		
8	Concrete Curb & Gutter	LFt	53		
9	Unclassified Excavation	CuYd	429.7		
10	Scarify & Recompact Subgrade	SqYd	891		
11	Aggregate Base Course	Ton	317.5		
12	Aggregate Subbase, Salvaged	Ton	321.6		
13	Asphalt Concrete Composite	Ton	173		
14	6" PCC Pavement	SqYd	48.2		
15	6" Concrete Sidewalk	SqFt	120		
16	Silt Fence	LFt	335		
17	Inlet Protection	Each	1		
18	Concrete Washout Area	Each	1		
19	Placing Topsoil	CuYd	63.1		
20	Permenant Seeding	Lb	20.3		
21	Fertilizing	Lb	19.6		
22	Traffic Control	LS	1		

Alternate 1: Extra soil quantities for any unstable soils found during construction

23	Addition for Unclassified Excavation, Digouts	CuYd	100	
24	Addition for Aggregate Base Course for Digouts	Ton	200	
25	Addition for Geotextile Fabric For Subgrade Stabilization	SqYd	222	

The above unit prices shall include all labor, materials, bailing, shoring removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for. Changes shall be processed in accordance with Article 14 of the General Conditions.

OSE Front End Documents - Huron Fairgrounds Gate 2 Surfacing.docx December 11, 2019





CONSTRUCTION PLANS

FOR

SOUTH DAKOTA STATE FAIR **GATE 2 PAVE ROADWAY** OSE #: M2320 - 03X/SWMR

> IN THE CITY OF HURON, BEADLE COUNTY, SOUTH DAKOTA.



LOCATION MAP

LEGAL DESCRIPTION: ALL OF BLOCK 142, CITY OF HURON, BEADLE COUNTY, SOUTH DAKOTA.

ENGINEER

SAYRE ASSOCIATES 216 S. DULUTH AVENUE SIOUX FALLS, SD 57104 (605) 332-7211 ENGINEER: JEFFERY J. BOLDT jeffb@sayreassociates.com

DRAWING INDICATES GENERAL UTILITY LOCATIONS ONLY. NEITHER THE CORRECTNESS OR COMPLETENESS OF LOCATIONS ARE GUARANTEED. CONTACT SOUTH DAKOTA ONE CALL PRIOR TO EXCAVATIONS. (1-800-781-7474)

BENCHMARK NO. 1 TOP NUT OF FIRE HYDRANT ON WEST SIDE OF NEVADA AVE APPROX. 190' NORTH OF ENTRANCE ELEV. = 1288.83 (88 DATUM)

BENCHMARK NO. 2: TOP NUT OF FIRE HYDRANT ON WEST SIDE OF NEVADA AVE APPROX. 200' SOUTH OF ENTRANCE ELEV. = 1289.29 (88 DATUM)

BY: KJR, 22090 P.dwg, TITLE, REV DATE: , PRINT DATE: Dec 11, 2019

INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	ESTIMATE OF QUANTITIES
SHEET NO. 3	TOPOGRAPHIC SURVEY
SHEET NO. 4	DEMOLITION PLAN
SHEET NO. 5	EROSION CONTROL PLAN
SHEET NO. 6	SITE PLAN
SHEET NO. 7	GRADING PLAN
SHEET NO. 8-12	DETAILS

I, JEFFREY J. BOLDT, HEREBY CERTIFY THAT THIS PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF SOUTH DAKOTA.

DATE: 11/22/2019

JEFFREYJ. BOLDT

REG. NO. 6988





ESTIMATE OF QUANTITIES

ТЕМ			APPROX.
NO.	ITEM DESCRIPTION	UNIT	QUANTITY
1	Mobilization	LS	1
2	Remove Asphalt Concrete Pavement	SqYd	24.3
3	Remove Concrete Approach Pavement	SqYd	34
4	Remove Concrete Sidewalk	SqYd	12.9
5	Saw Existing Asphalt	LFt	58
6	Saw Existing PCC Pavement	LFt	56
7	Salvage Topsoil	CuYd	46.3
8	Concrete Curb & Gutter	LFt	53
9	Unclassified Excavation	CuYd	429.7
10	Scarify & Recompact Subgrade	SqYd	891
11	Aggregate Base Course	Ton	317.5
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14	6" PCC Pavement	SqYd	48.2
15	6" Concrete Sidewalk	SqFt	120
16	Silt Fence	LFt	335
17	Inlet Protection	Each	1
18	Concrete Washout Area	Each	1
19	Placing Topsoil	CuYd	63.1
20	Permenant Seeding	Lb	20.3
21	Fertilizing	Lb	19.6
22	Traffic Control	LS	1

Alternate 1: Extra soil quantities for any unstable soils found during construction

ITEM			APPROX.
NO.	ITEM DESCRIPTION	UNIT	QUANTITY
23	Unclassified Excavation, Digouts	CuYd	100
24	Aggregate Base Course for Digouts	Ton	200
25	Geotextile Fabric For Subgrade Stabilization	SqYd	222







EROSION CONTROL NOTES:

EROSION CONTROL METHODS

ALL CONSTRUCTION SHALL CONFORM TO CURRENT CITY OF HURON STANDARD AND SUPPLEMENTAL SPECIFICATIONS, TOGETHER WITH CURRENT SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

ARFA

APPROXIMATELY 0.29 ACRES WILL BE DISTURBED DURING CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL MEASURES: PROJECT SEDIMENT CONTROL MEASURES SHALL CONSIST OF SILT FENCE, CONCRETE WASHOUT FACILITY, AND INLET PROTECTION.

- CONSTRUCTION AND ESC SEQUENCE SCHEDULE: 1. INSTALL PERIMETER SILT FENCE, CONCRETE WASHOUT FACILITY, AND INLET PROTECTION. DISTURB ONLY AS NECESSARY FOR INSTALLATION OF INITIAL EROSION CONTROL MEASURES
 - 2. PERFORM ROUGH GRADING OPERATIONS THE CONTRACTOR SHALL STRIP THE TOPSOIL, SALVAGE THE GRAVEL SUBBASE AND GRADE TO SUBGRADE DESIGN ELEVATIONS. 3. TOPSOIL STOCKPILES AND DISTURBED AREAS SHALL RECEIVE INTERIM MULCHING WITHIN
 - 14 DAYS OF ACHIEVING FINAL GRADE. 4. THE INLET PROTECTION/SILT FENCE SHALL REMAIN IN PLACE UNTIL PERMANENT
 - STABILIZATION IS ESTABLISHED. THE CONTRACTOR SHALL MONITOR THE ACCUMULATION OF SILT/MUCK WITHIN THE INLET PROTECTION/SILT FENCE AND REMOVE EXCESS ACCUMULATION TO ENSURE PROPER FUNCTION OF THE EROSION CONTROL DEVICES.
 - 5. UPON ESTABLISHMENT OF PERMANENT STABILIZATION AND AFTER STORM WATER DETENTION AREAS HAVE BEEN CONSTRUCTED, THE TURF REINFORCEMENT MAT SHALL BE INSTALLED.
 - 6. REMOVE TEMPORARY EROSION CONTROL MEASURES UPON ESTABLISHMENT OF PERMANENT VEGETATION.

AFTER CONSTRUCTION BEGINS, SOIL SURFACE STABILIZATION SHALL BE APPLIED WITHIN 14 DAYS TO ALL DISTURBED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR PERIODS LONGER THAN AN ADDITIONAL 21 CALENDAR DAYS. WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, PERMANENT OR TEMPORARY SOIL SURFACE STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS AND SOIL STOCKPILES.

MAINTENANCE

INSPECTION OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SCHEDULED WEEKLY AND FOLLOWING ANY STORM EVENT OF 0.50" OR GREATER. ALL MEASURES SHALL BE MAINTAINED AND IN GOOD WORKING ORDER. INSPECTION AND MAINTENANCE PROCEDURES SHALL CONTINUE UNTIL ALL DISTURBED AREAS HAVE REACHED FINAL STABILIZATION.

ALL PAVED STREETS AND/OR PARKING LOTS ADJACENT TO THE SITE SHALL BE CLEANED AT THE END OF EACH WORKING DAY

STORM WATER MANAGEMENT CONSIDERATIONS: AT NO TIME SHALL ANY WATERS FROM THIS PROJECT ENTER THE STORM SEWER OR LEAVE THE PROJECT LIMITS WITHOUT EXPOSURE TO A SEDIMENT FILTRATION DEVICE. ALL DROP INLETS, MANHOLES AND JUNCTION BOXES (EXISTING OR NEW) SHALL HAVE SEDIMENT CONTROL DEVICES PLACED AROUND THEIR PERIMETER DURING ALL STAGES OF CONSTRUCTION EXCEPT DURING THE PLACEMENT OF THE FINAL SURFACING. THIS MAY NECESSITATE MULTIPLE INSTALLATIONS OF THE SEDIMENT CONTROL DEVICES AT THE SAME LOCATION.

PERMANENT STABILIZATION MEASURES: PERMANENT STABILIZATION SHALL BE INSTALLED UPON COMPLETION OF THE CONSTRUCTION ACTIVITIES AND PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES.



ALL DISTURBED AREAS NOT RECEIVING HARD SURFACING OR GRAVEL SHALL BE SEEDED AND FERTILIZED. SEEDING AND FERTILIZING SHALL COMPLY WITH SECTIONS 730 AND 731 OF THE SDDOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES. SEED MIX SHALL BE QUALITY GREEN TURF MIX AS SPECIFIED BELOW. SEED WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE SD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES SECTION 730.4 AND 730.5.

QUALITY GREEN TURF MIX

	LBS/1 ACRE	
oved Kentucky Bluegrass	155	
imum 3 varieties)	100	
-Leaf Perennial Ryegrass	65	
imum 2 varieties)		
eping Red Fescue	40	
ALS	260	
	oved Kentucky Bluegrass imum 3 varieties) -Leaf Perennial Ryegrass imum 2 varieties) aping Red Fescue (ALS	

FERTILIZING

FERTILIZER SHALL HAVE A MINIMUM GUARANTEED ANALYSIS OF 12-24-12 WITH A MINIMUM OF 25% SCU FOR SLOW RELEASE PROPERTIES. THE APPLICATION RATE SHALL BE 250 LBS/ACRE. ANY OTHER FERTILIZER ANALYSIS AND/OR APPLICATION RATE MUST BE APPROVED BY THE ENGINEER PRIOR TO APPLICATION.

FERTILIZER SHALL BE DELIVERED TO THE SITE IN BAGS, EACH FULLY LABELED, CONFORMING TO THE SPECIFICATIONS AND BEARING THE NAME AND WARRANTY OF THE PRODUCER. FERTILIZER WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE SD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES SECTION 731.4 AND 731.5.



BY: KJR, 22090 P.dwg, EROSION, REV DATE: , PRINT DATE: Dec 11, 2019

ELEV. = 1289.29 (88 DATUM)

[P]

BENCHMARK NO. 1







BY: KJR, 22090 P.dwg, Grading, REV DATE: , PRINT DATE: Dec 11, 2019

GRAPHIC SCALE 20 0 10 20 40 (IN FEET)				
I E(
1400	FXISTI			
1400	PROPO			
	EXISTI	NG CURB & GUTTER		
	PROPO	DSED CURB & GUTTER		
	EXISTI	NG EDGE OF ASPHALT		
	PROPO ASPH/	DSED EDGE OF ALT SURFACING		
T/A	TOP O	F ASPHALT		
T/C	TOP O	F CURB		
T/SW	TOP O			
(THEO)	THEOF	RETICAL		
(ME)	MATC	H EXISTING		
PROPOSE 1 128 2 128 3 128 4 128 5 128 6 128 7 128 10 128 11 128 12 128 13 128 14 128 15 128 16 128 17 128 18 128 20 128 21 128 22 128 23 128 24 128 25 128 26 128 27 128 30 128 31 128 33 128 34 128 35 128 36 128 33 128 34 128 35 128 36 <th>D SPOT 4.67' 3.86' 4.56' 4.76' 4.65' 4.85' 4.85' 4.80' 5.00' 4.84' 5.00' 4.84' 5.00' 4.84' 5.04' 4.91' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.76' 5.76' 5.76' 5.76' 5.76' 5.76' 5.76' 5.76' 6.622' 7.26' 7.26' 7.26' 7.46' 7.65' 7.31' 7.65' 7.31' 7.65' 6.88' 7.17' 6.68' 6.64' 6.55' 6.64' 6.55' 6.05'</th> <th>ELEVATIONS T/A (ME) T/A (ME) T/A T/A T/A T/A T/A T/A T/A T/A</th>	D SPOT 4.67' 3.86' 4.56' 4.76' 4.65' 4.85' 4.85' 4.80' 5.00' 4.84' 5.00' 4.84' 5.00' 4.84' 5.04' 4.91' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.13' 5.76' 5.76' 5.76' 5.76' 5.76' 5.76' 5.76' 5.76' 6.622' 7.26' 7.26' 7.26' 7.46' 7.65' 7.31' 7.65' 7.31' 7.65' 6.88' 7.17' 6.68' 6.64' 6.55' 6.64' 6.55' 6.05'	ELEVATIONS T/A (ME) T/A (ME) T/A T/A T/A T/A T/A T/A T/A T/A		
39 NO 40 NO	T USED T USED)		
41 128	6.69'	T/C (THEO)		
128 42 128 43 128 44 128 45 128	6.19' 6.74' 6.89' 6.28' 6.24'	T/CONC T/C T/SW (ME) T/SW (ME) T/SW T/CONC T/CONC		



ADDENDUM 1





ADDENDUM 1