

February 18, 2020



SUBJECT: Addendum 2: SCOTTISH DRIVE AREA ROADWAY AND STORM DRAIN PROJECT IN COTTONWOOD HEIGHTS, -- PROJECT # CHC.306.19

The following items are included in Addendum #2 for the SCOTTISH DRIVE AREA ROADWAY AND STORM DRAIN PROJECT IN COTTONWOOD HEIGHTS, -- PROJECT # CHC.306.19.

- Transition Structures in the Bid Tab Are to be measured by the SF. The quantity in the bid tab of 1,457 is correct however, the units are to be measured by Square Feet.
- In the Measurement and Payment Section 2100 letter G. Has been updated to match the Plans to removed 4" of Asphalt.

Attached with this Addendum is an updated Bid Tab and Measure and Payment section 2100.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brandon Preece', with a horizontal line extending to the right.

Brandon Preece
Project Manager

SECTION 00420

BID SCHEDULE

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum prices.

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

" Storm Drain Improvments, Scottish Drive Area Including, Storm Drain Improvements and Pavement Removal for the City of Cottonwood Heights, Utah-- Project No. CHC.306.19"

No.	Item	Quantity	Unit	Unit Price	Total Amount
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1	Mobilization	1	L.S.	\$ _____	\$ _____
2	Traffic Control	1	L.S.	\$ _____	\$ _____
3	Saw-Cut existing asphalt roadway pavement, complete.	1,184	L.F.	\$ _____	\$ _____
4	Remove and dispose of existing asphalt roadway pavement, 4-inches deep, complete	8,024	S.F.	\$ _____	\$ _____
5	Remove and dispose of existing Type-1 Single Inlet Box, complete.	4	E.A.	\$ _____	\$ _____
6	Remove and dispose of existing SDMH.	3	E.A.	\$ _____	\$ _____
7	Remove and dispose of existing RCP Storm Drain Pipe.	83	L.F.	\$ _____	\$ _____
8	Cap and Plug Existing 15-inch stormdrain pipe	2	E.A.	\$ _____	\$ _____
9	Furnish and install new 18-inch RCP, complete, including all required earthwork.	634	L.F.	\$ _____	\$ _____
10	Furnish and install new 24-inch RCP, complete, including all required earthwork.	189	L.F.	\$ _____	\$ _____
11	Furnish and install new Type-I Double Inlet Box, complete, including all required earthwork	6	E.A.	\$ _____	\$ _____
12	Furnish and install new Combo Box, complete, including all required earthwork	1	E.A.	\$ _____	\$ _____

13	Furnish and install new 5-ft diameter stormdrain manhole, complete, including all required earthwork	6	E.A.	\$	\$
14	Connect new 5-ft diameter stormdrain manhole to existing 24-inch RCP, complete, including all required earthwork	1	E.A.	\$	\$
	Subtotal Schedule "A"				

"SCHEDULE "B": Storm Drain Improvements, Scottish Drive Area Including, ADA ramps Waterways, and Curb and Gutter for the City of Cottonwood Heights, Utah-- Project No. CHC.306.19"

No.	Item	Quantity	Unit	Unit Price	Total Amount
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1	Mobilization	1	L.S.	\$	\$
2	Traffic Control	1	L.S.	\$	\$
3	Remove and dispose of existing concrete curb & gutter, complete	1,362	LF	\$	\$
4	Remove and dispose of existing concrete sidewalk, complete	2,187	S.F.	\$	\$
5	Relocate existing landscaping sprinkler, complete	18	E.A.	\$	\$
6	Construct new concrete waterway, complete	809	S.F.	\$	\$
7	Construct new concrete ADA accessible ramp, complete	2,187	S.F.	\$	\$
8	Construct new concrete curb and gutter, complete	1,362	LF	\$	\$
9	Construct new concrete transition structure, complete	1,457	SF	\$	\$
	Subtotal Schedule "B"				

"SCHEDULE "C": Roadway Improvements, Scottish Drive Area Including, Pavement Removal and Roadway Reconstruction for the City of Cottonwood Heights, Utah-- Project No. CHC.306.19"

No.	Item	Quantity	Unit	Unit Price	Total Amount
1	Mobilization	1	L.S.	\$	\$
2	Traffic Control	1	L.S.	\$	\$
3	Remove Existing Asphalt Pavement, Lip of Gutter to Lip of Gutter, 4-inches deep, complete	227,071	S.F.	\$	\$
4	Furnish, place and compact 1/2" hot mix asphalt surface course, 3-inch thick, complete	227,071	S.F.	\$	\$
5	Reconstruct existing water valve boxes to grade, complete	15	E.A.	\$	\$
6	Reconstruct existing sewer, storm drain, water, electric, and communications manholes to grade, complete	25	E.A.	\$	\$
7	Reconstruct existing survey monuments to grade, complete	3	E.A.	\$	\$
8	Furnish and place UTBC to add crown to roadway, grading, complete	122	CY	\$	\$
9	Furnish and place additional UTBC up to 1" deep	440	CY	\$	\$
10	Soft spot repair, Over excavate, remove, haul off, and place, compact new roadbase as needed for soft spots	100	CY	\$	\$
Subtotal Schedule "C"					
TOTAL OF BID ---					\$

Respectively Submitted:

Signature

Address

Title

Date

Contractor License No.

Taxpayer Identification No.
(Or Social Security No.)

(Seal - if Bid is by a corporation)

Attest _____

SECTION 02100

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Mobilization, traffic control and maintenance of traffic
- B. Reconstructing miscellaneous existing structures to grade.
- C. Asphalt surface course for roadway overlay
- D. Removing and disposing of miscellaneous concrete items.
- E. Constructing new concrete curb & gutter, sidewalks
- F. Rotomill existing asphalt pavement.
- G. Furnishing, placing and compacting hot mix asphalt surface course, including gravel road base
- H. Furnishing and placing paint for pavement striping, messages and symbols

1.02 RELATED SECTIONS

- A. Section 01270 - Unit Prices: criteria applicable to Work performed under a unit price or lump sum price payment method.
- B. Section 01282 - Payment: criteria applicable to payment under a unit price or lump sum price.

1.03 MEASUREMENT AND PAYMENT

- A. Measurement shall be made in units or lump sums, as described below.
- B. Payment shall be made at the unit price or lump sum price bid in the bid schedule for the items described below; which shall be payment in full for all costs of furnishing labor, tools, equipment, materials, testing, etc., to complete the items of work as specified and as indicated on the drawings.
- C. Bid items shown with letters and numbers, indicating schedule and item number.
- D. Mobilization (Bid Item No. A1 & B1 & C1):
 - 1. Basis for Measurement: Lump Sum.
 - 2. Basis for Payment: Includes all preparatory work and operations, including, but not limited to those necessary for movement of personnel, equipment, supplies and incidental items to the project site; All work required as part of the city notification policy, as outlined in Section 00250 – Additional Instructions to Bidders, for establishment of all offices, buildings and other facilities necessary for work on the project; for furnishing, erecting and maintaining all necessary construction signs; and for all other work and operations which must be performed, or costs incurred, not otherwise paid for prior to beginning work on various items on the project site.
 - a. Payment for mobilization shall not exceed 10 percent of the actual total contract amount.
- E. Traffic Control (Bid Item No. A2 & B2 & C1):
 - 1. Basis for Measurement: Lump Sum.
 - 2. Basis for Payment: Includes preparing traffic control plan; furnishing, erecting and maintaining traffic control signs and barricades; flaggers; and all appurtenant work required for traffic control.

- F. Saw-cut existing asphalt roadway pavement, complete (Bid Item No. 3A):
1. Basis for Measurement: By the linear foot
 2. Basis for Payment: Includes equipment, materials needed and labor
- G. Remove and dispose of existing asphalt roadway pavement, 4-inch Deep, complete (Bid Item No. 4A):
1. Basis for Measurement: By the square foot
 2. Basis for Payment: Includes all the required equipment and material to removed asphalt, haul off site to dispose, including all labor and haul costs, and dump fees.
- H. Remove and dispose of existing Type-1 Single inlet Box, complete (Bid Item No. 5A):
1. Basis for Measurement: By the unit of each box removed
 2. Basis for Payment: Includes all required earthwork, to include excavating to expose the existing boxes, backfilling excavations and compacting backfill material; removing and hauling off site, as required and as directed.
- I. Remove and dispose of existing Storm Drain Manhole (Bid Items No. 6A).
1. Basis for Measurement: By the unit removed and disposed of.
 2. Basis for Payment: Includes the excavation and earthwork needed for removal, including any backfill material, compaction, labor, haul off and disposal.
- J. Removal and disposal of existing RCP Storm Drain Pipe (Bid Items No. 7A):
1. Basis for Measurement: By the linear foot of removal and disposal.
 2. Basis for Payment: Includes the cost to excavation, removal, backfill, compact and bring up to subgrade. Includes, haul off and disposal, and materials, equipment and labor to do complete
- K. Cap and Plug Existing 15-Inch Storm Drain pipe. (Bid Items No. 8A):
1. Basis for Measurement: By each unit plugged and capped
 2. Basis for Payment: Includes cost of materials and labor to cap and plug existing pipe. This task includes excavation, compaction, and landscaping required to match existing improvements.
 - a. Does Not Include Over-Excavation: Payment will not be made for over-excavated work or for replacement materials.
- L. Furnish and Install new 18-inch RCP, Storm Drain Pipe (Bid Item No. 9A):
1. Basis for Measurement: By the Liner Foot of pipe installed
 2. Basis for Payment: Includes supplying fill material; Includes placing acceptable new fill material, as indicated and as directed; shaping, grading and compacting new material, as required and as indicated; and all appurtenant work. Supplying new pipe, labor, and equipment needed to complete work.
- M. Furnish and Install new 24-inch RCP, Storm Drain Bid Items No. 10A).
1. Basis for Measurement: By the Liner Foot of pipe installed.
 2. Basis for Payment: Includes supplying fill material; Includes placing acceptable new fill material, as indicated and as directed; shaping, grading and compacting new material, as required and as indicated; and all appurtenant work. Supplying new pipe, labor, and equipment needed to complete work.

- N. Furnish and Install new Type -1 Double Inlet Box, Complete (Bid Items No. 11A):
1. Basis for Measurement: By each unit installed
 2. Basis for Payment: Includes cost of de-watering as required; excavation, compaction, the labor and equipment needed to install the new box, and connect to the system.
- O. Furnish and Install new Combo Box Complete (Bid Items No 12A):
1. Basis for Measurement: By each unit installed
 2. Basis for Payment: Includes excavation, earthwork, labor and equipment needed from installation, installation, compaction, backfill, and connection to system.
- P. Furnish and Install 5' Diameter Manholes (Bid Items No. 13A):
1. Basis for Measurement: By each unit installed
 2. Basis for Payment: Includes the materials, labor and equipment to install man holes. Including the earthwork, excavation, proper backfill material, compaction, and connection to system.
- Q. Connect new Manhole to Existing 24" Storm Drain pipe (Bid Items No. 14A):
1. Basis for Measurement: By each unit connected
 2. Basis for Payment: Includes all materials, labor and equipment, including earthwork, compaction, and connection.
- R. Remove and Reconstruct Damaged Concrete Curb and Gutter (Bid Items No. 3B & 8B):
1. Basis for Measurement: By the linear foot of concrete curb and gutter actually removed and replaced.
 2. Basis for Payment: Includes all required earthwork, to include excavating and grading for curb and gutter, backfilling excavations, and compacting backfill; cutting, breaking-up and removing existing concrete curb and gutter, where indicated and as directed by the City Inspector; cutting, breaking-up and removing existing asphalt pavement as required and as directed; disposing of concrete and asphalt debris in an acceptable manner; furnishing, placing and compacting new gravel base, to the thickness indicated; constructing new concrete curb and gutter, including expansion joints, of the size and to the limits as indicated and as directed; furnishing, placing and compacting new asphalt surface course material to replace paving removed, including new road base, as directed; and all appurtenant work to complete the removal and reconstruction.
- S. Remove and Reconstruct Damaged Sidewalk (Bid Items No. 4B):
1. Basis for Measurement: By the linear foot of 4-ft concrete sidewalk actually removed and replaced.
 2. Basis for Payment: Includes all required earthwork, to include excavating and grading for sidewalk, backfilling excavations, and compacting backfill; cutting, breaking-up and removing existing concrete sidewalk, where indicated and as directed by the City Inspector; cutting, breaking-up and removing existing asphalt pavement as required and as directed; disposing of concrete and asphalt debris in an acceptable manner; furnishing, placing and compacting new gravel base, to the thickness indicated; constructing new sidewalk, including expansion joints, of the size and to the limits as indicated and as directed; furnishing, placing and compacting new asphalt surface course material to replace paving removed, including new road base, as directed; and all appurtenant work to complete the removal and reconstruction.
- T. Relocate existing landscaping sprinkler, complete (Bid Item No 5B):

1. Basis for Measurement: By the unit for each landscaping sprinkler removed and relocated
 2. Basis for Payment: Includes all required earthwork; labor, materials, and equipment needed for relocation.
- U. Construct new Waterway, complete (Bid Item No 6B):
1. Basis for Measurement: By the square foot of new waterway installed
 2. Basis for Payment: includes the labor, equipment, and materials needed to install a new concrete waterway. This includes concrete testing, and rebar as specified in the plans and specifications.
- V. Construct new ADA accessible Ramp (Bid Item No 7B):
1. Basis for Measurement: By the square foot of ADA ramp installed
 2. Basis for Payment: Includes all required earthwork; labor, materials, grading, and equipment needed for ADA ramping installation. This includes layout, forms, rebar, curb walls, and detectable surface as specified in the APWA Standard plans.
- W. Remove existing asphalt pavement, Lip of gutter to lip of Gutter, 4 "deep (Bid Item No 3C):
1. Basis for Measurement: By the square foot of asphalt pavement removed and disposed of
 2. Basis for Payment: Includes all required labor, materials, and equipment needed for asphalt removal and disposal, this item includes the haul off site and disposal of old asphalt
- X. Furbish, Place, and Compact ½" hot mix asphalt surface course, 3- inch thick, complete (Bid Item No 4C):
1. Basis for Measurement: By the square foot of asphalt surface
 2. Basis for Payment: Includes all required earthwork; labor, materials, and equipment needed for hot mix surface lay down, including compaction, tack coat prior to paving, supplying asphalt surface course mix to the site, placing, compacting, and rolling materials to the thickness indicated. Payment includes mix-design.
- Y. Reconstruct Existing water valve boxes to grad, complete (Bid Item No 5C):
1. Basis for Measurement: By the unit of each valve box actually reconstructed.
 2. Basis for Payment: Includes all required earthwork, to include excavating to expose the existing water valve box, backfilling excavations and compacting backfill material; reconstructing the top portion of the valve box to grade, as required and as directed, to include all new materials needed; and all appurtenant work required to complete the reconstruction
- . Z. Reconstruct Existing Manholes to Grade (Bid Item No. 6C):
1. Basis for Measurement: By the unit of each manhole actually reconstructed.
 2. Basis for Payment: Includes all required earthwork, to include excavating to expose the existing manhole, backfilling excavations and compacting backfill material; reconstructing the top portion of the manhole to grade, as required and as directed, to include all new materials needed; and all appurtenant work required to complete the reconstruction.
- AA. Reconstruct Existing Survey Monuments to Grade (Bid Item No. 7C):
1. Basis for Measurement: By the unit of each monument actually reconstructed.
 2. Basis for Payment: Includes all required earthwork, to include excavating to expose the existing survey monuments, backfilling excavations and compacting backfill material; removing and reinstalling the monuments to grade, as required and as directed, to include all new materials needed; and all appurtenant work required to complete the reconstruction.
- BB. Furnish and Place UTBC to add additional crown (Bid Item No. 8C & 9C):

1. Basis for Measurement: By the cubic yard of roadway excavation actually completed.
2. Basis for Payment: Includes cost of de-watering as required; excavating to remove existing road base and sub-grade material as indicated and as directed; removing and disposing of unsuitable excavated material in an acceptable manner; grading sub-grade to required elevations for new road base material as indicated and as directed; and all appurtenant work to complete repairs of damaged areas.
 - a. Does Not Include Over-Excavation: Payment will not be made for over-excavated work or for replacement materials.
 - b. Furnish and place new Road base to
3. The Contractor shall examine existing conditions at the job site; and shall base his costs for roadway excavation upon his own determinations of the amount of work to be done

CC. Soft Spot Repair (Bid Items No. 10C):

1. Basis for Measurement: By the cubic yard of roadway excavation actually completed and new material placed.
2. Basis for Payment: Includes cost of de-watering as required; upon discovery, excavating to remove saturated soils and sub-grade material as directed by City Inspector; removing and disposing of unsuitable excavated material in an acceptable manner; grading sub-grade to required elevations for fill material as indicated and as directed; and all appurtenant work to complete repairs of damaged areas.
 - a. Does Not Include Over-Excavation: Payment will not be made for over-excavated work or for replacement materials.
2. Includes supplying fill material; Includes placing acceptable new fill material, as indicated and as directed; shaping, grading and compacting new material, as required and as indicated; and all appurtenant work.

DD. Construct new concrete transition structure, complete (Bid Item No 9B):

1. Basis for Measurement: By the square foot of new waterway installed
2. Basis for Payment: includes the labor, equipment, and materials needed to install a new concrete transition structure. This includes concrete forming, testing, and rebar as specified in the plans and specifications.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION