

SUDAS Revision Submittal Form

Status Date: As of 11/7/2022

Topic: Bid item clarifications

Manual: Both

Manual Location: Design Sect 1D-4 and various Spec Sects

Requested Revision: While developing the bid tab database for the PWSB, several changes to the bid item list and measurement/payment items were identified.

Design Section 1D-4 - Bid Items

Item #	Item Description	Unit	Revision Needed
2010-J	Subbase, ____ (Type), ____ (Thickness)	SY	Add highlighted info
3010-E	Special Pipe Embedment or Encasement, ____ (Type)	LF	Add highlighted info
4010-I	Sanitary Sewer Cleanout, ____ (Size)	EA	Add highlighted info
4010-K	Sanitary Sewer Abandonment, Plug, ____ (Size)	EA	Add highlighted info
4010-L	Sanitary Sewer Abandonment, Fill and Plug, ____ (Size)	LF	Already listed in specs; missing from list
4020-F	Storm Sewer Abandonment, Plug, ____ (Size)	EA	Add highlighted info
4020-G	Storm Sewer Abandonment, Fill and Plug, ____ (Size)	LF	Already listed in specs; missing from list
4030-C	Footing for Concrete Pipe Apron, ____ (Type), ____ (Size)	EA	Add highlighted info
4030-D	Pipe Apron Guard, ____ (Type), ____ (Size)	EA	Add highlighted info
4040-C-1	Subdrain Cleanout, ____ (Type), ____ (Size)	EA	Separate into 2 different items
4040-C-2	Footing Drain Cleanout, ____ (Type), ____ (Size)	EA	Separate into 2 different items
4040-D-1	Subdrain Outlets and Connections, ____ (Type), ____ (Size)	EA	Separate into 2 different items
4040-D-2	Footing Drain Outlets and Connections, ____ (Type), ____ (Size)	EA	Separate into 2 different items
4050-C-1	CIPP Main Lining, ____ (Size)	LF	Add highlighted info
4050-C-3	CIPP End Seal, ____ (Size)	EA	Already listed in specs; missing from list
4050-F-5	Chemical Grout	GAL	Error; unit was listed as each
4050-H-1	Spot Repairs by Pipe Replacement, ____ (Type), ____ (Size)	EA	Add highlighted info
4050-H-2	Spot Repairs by Pipe Replacement, ____ (Type), ____ (Size)	LF	Add highlighted info
6010-C-1	Internal Drop Connection, ____ (Size)	EA	Add highlighted info
6010-C-2	External Drop Connection, ____ (Size)	EA	Add highlighted info
6010-E-1	Manhole Adjustment, Minor	EA	Separate into 2 different items
6010-E-2	Intake Adjustment, Minor	EA	Separate into 2 different items
6010-F-1	Manhole Adjustment, Major	EA	Separate into 2 different items

Item #	Item Description	Unit	Revision Needed
6010-F-2	Intake Adjustment, Major	EA	Separate into 2 different items
6010-G-1	Connection to Existing Manhole	EA	Separate into 2 different items
6010-G-2	Connection to Existing Intake	EA	Separate into 2 different items
6010-H-1	Remove Manhole	EA	Separate into 2 different items
6010-H-2	Remove Intake	EA	Separate into 2 different items
7010-A	Pavement, PCC, ____ (Thickness), ____ (Mix Type)	SY	Add highlighted info
7020-A	Pavement, HMA, ____ (Layer), ____ (Aggregate Size), ____ (Binder Grade), ____ (Mix Design Level)	TON	Add highlighted info
7020-B	Pavement, HMA, ____ (Thickness), ____ (Layer), ____ (Aggregate Size), ____ (Binder Grade), ____ (Mix Design Level)	SY	Add highlighted info
7020-C	HMA Base Widening, ____ (Layer), ____ (Aggregate Size), ____ (Binder Grade), ____ (Mix Design Level)	TON	Add highlighted info
7020-D	HMA Base Widening, ____ (Thickness), ____ (Layer), ____ (Aggregate Size), ____ (Binder Grade), ____ (Mix Design Level)	SY	Add highlighted info
7021-A	HMA Overlay, ____ (Layer), ____ (Aggregate Size), ____ (Binder Grade), ____ (Mix Design Level)	TON	Add highlighted info
7021-B	HMA Overlay, ____ (Thickness), ____ (Layer), ____ (Aggregate Size), ____ (Binder Grade), ____ (Mix Design Level)	SY	Add highlighted info
7030-A-1	Removal of Sidewalk	SY	Separate into 3 different items
7030-A-2	Removal of Shared Use Path	SY	Separate into 3 different items
7030-A-3	Removal of Driveway	SY	Separate into 3 different items
7030-H-2	Driveway, Granular, ____ (Thickness)	SY	Separate into 2 different items
7030-H-3	Driveway, Granular, ____ (Thickness)	TON	Separate into 2 different items
7030-I-1	Sidewalk Assurance Testing	LS	Separate into 3 different items
7030-I-2	Shared Use Path Assurance Testing	LS	Separate into 3 different items
7030-I-3	Driveway Assurance Testing	LS	Separate into 3 different items
7040-A	Full Depth Patches, ____ (Type), ____ (Thickness)	SY	Add highlighted info
7040-C	Partial Depth Patches, ____ (Type)	SF	Already listed in specs; missing from list
7040-J	Dowel Bar Retrofit, ____ (Size)	EA	Add highlighted info
7060-B-1	Cover Aggregate, ____ (Size)	TON	Error; size not required
7070-B-1	Aggregate, ____ (Size)	TON	Error; size not required
7092-B	Remove and Replace Curb and Gutter, ____ (Type), ____ (Size)	LF	Add highlighted info
8020-G	Painted Symbols and Legends, ____ (Type)	EA	Add highlighted info
8020-H	Precut Symbols and Legends, ____ (Type)	EA	Add highlighted info
9010-A	Conventional Seeding, Seeding, Fertilizing, and Mulching, ____ (Type)	AC	Add highlighted info

Item #	Item Description	Unit	Revision Needed
9010-B	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, ____ (Type)	AC	Add highlighted info
9010-C	Pneumatic Seeding, Seeding, Fertilizing, and Mulching, ____ (Type)	AC	Add highlighted info
9030-A	Plants, ____ (Type), ____ (Size)	EA	Add highlighted info
9030-B	Plants with Warranty, ____ (Type), ____ (Size)	EA	Add highlighted info
9040-N-2	Silt Fence or Silt Fence Ditch Check, Removal of Sediment	EA	Item was written completely wrong
9040-Q-2	Erosion Control Mulching, Hydromulching, ____ (Type)	AC	Already listed in specs; missing from list

Section 2010 - Earthwork, Subgrade, and Subbase

L. Filling and Plugging of Pipe Culverts, Pipes, and Conduits:

1. Known Pipe Culverts, Pipes, and Conduits:

- a. **Measurement:** Each type and size of pipe culvert, pipe, and conduit filled and plugged will be measured in linear feet from end to end.
- b. **Payment:** Payment will be at the unit price per linear foot for each type and size of pipe culvert, pipe, and conduit filled and plugged.
- c. **Includes:** Unit price includes, but is not limited to, furnishing and installing the plug and the flowable mortar as designated by the Engineer.
- ed. **Abandoned Private Utilities:** Filling and plugging of all private utility lines is the responsibility of the respective utility agency, and will not be measured or paid.

Section 3010 - Trench Excavation

B. Rock Excavation:

1. **Measurement:** Measurement will be by cubic yards of rock removed.
2. **Payment:** Payment will be at the unit price per cubic yard for the quantity of rock removed.
3. **Includes:** Unit price includes, but is not limited to, furnishing the equipment and manpower to break up, remove, and properly dispose of rock encountered in the trench.

Section 4030 - Pipe Culverts

D. Pipe Apron Guards:

1. **Measurement:** Each pipe apron guard will be counted.
2. **Payment:** Payment will be made at the unit price for each pipe apron guard.
3. **Includes:** Unit price includes, but is not limited to, furnishing and installing the apron guard and repairing any damage to the apron from the installation process.

Section 4040 - Subdrains and Footing Drain Collectors

C. Subdrain or Footing Drain Cleanouts:

1. **Measurement:** Each type and size of subdrain or footing drain cleanout will be counted.
2. **Payment:** Payment for each cleanout will be made at the unit price for each type and size of subdrain or footing drain cleanout.
3. **Includes:** Unit price includes, but is not limited to, trench excavation; furnishing cleanout and lid; and furnishing, placing, and compacting bedding and backfill material.

Section 5010 - [Water Main] Pipe and Fittings

E. Water Service Stubs by Length:

2. Water Service Corporation:

- a. **Measurement:** Each type and size of water service corporation will be counted.
- b. **Payment:** Payment will be made at the unit price for each type and size of water service corporation.
- c. **Includes:** Unit price includes, but is not limited to, trench excavation (if necessary); furnishing and installing the water service corporation; and furnishing, placing, and compacting bedding and backfill material.

3. Water Service Curb Stop and Box:

- a. **Measurement:** Each type and size of water service curb stop and box will be counted.
- b. **Payment:** Payment will be made at the unit price for each type and size of water service curb stop and box.
- c. **Includes:** Unit price includes, but is not limited to trench excavation (if necessary); furnishing and installing the curb stop and box; and furnishing, placing, and compacting bedding and backfill material.

Section 5020 - Valves, Fire Hydrants, and Appurtenances

E. Flushing Device (Blowoff):

1. **Measurement:** Each size of flushing device will be counted.
2. **Payment:** Payment will be at the unit price for each flushing device
3. **Includes:** Unit price includes, but is not limited to, trench excavation; furnishing, installing, and removing the flushing device, if designated by the Engineer; and furnishing, placing, and compacting bedding and backfill material.

G. Valve Box Extension:

1. **Measurement:** Each existing valve box adjusted to finished grade by adding a valve box extension will be counted.
2. **Payment:** Payment will be at the unit price for each valve box extension.
3. **Includes:** Unit price includes, but is not limited to, furnishing and installing the valve box extension and replacing the valve box lid.

Section 6010 - Structures for Sanitary and Storm Sewers

D. Casting Extension Rings:

1. **Measurement:** Each casting extension ring will be counted.
2. **Payment:** Payment will be at the unit price for each casting extension ring.
3. **Includes:** Unit price includes, but is not limited to, furnishing and installing each casting extension ring and reinstalling the casting lid.

Section 6020 - Rehabilitation of Existing Manholes

A. Infiltration Barriers:

3. Urethane Chimney Seal:

- a. **Measurement:** Each urethane chimney seal installed on an existing manhole will be counted.
- b. **Payment:** Payment will be at the unit price for each urethane chimney seal.
- c. **Includes:** Unit price includes, but is not limited to, preparing the surface of the manhole and furnishing and applying primer and urethane chimney seal according to the manufacturer's requirements.

Section 7020 - Hot Mix Asphalt Pavement

A. HMA Pavement by Ton:

1. **Measurement:** Measurement will be in tons for each different layer (surface, intermediate, base), aggregate size, and binder grade of HMA pavement
2. **Payment:** Payment will be at the unit price per ton for each different layer (surface, intermediate, base), aggregate size, and binder grade of HMA pavement.
3. **Includes:** Unit price includes, but is not limited to, asphalt mix with asphalt binder, tack coats between layers, construction zone protection, and quality control.

B. HMA Pavement by Square Yards:

1. **Measurement:** Measurement will be in square yards for each different thickness and binder grade of HMA pavement. The area of manholes, intakes, or other fixtures in the pavement will not be deducted from the measured pavement area.
2. **Payment:** Payment will be at the unit price per square yard for each thickness of HMA pavement.
3. **Includes:** Unit price includes, but is not limited to, asphalt mix with asphalt binder, tack coats between layers, construction zone protection, and quality control.

C. HMA Base Widening by Ton:

1. **Measurement:** Measurement will be in tons of HMA base widening.
2. **Payment:** Payment will be at the unit price per ton for each different layer (surface, intermediate, base), aggregate size, and binder grade of HMA base widening.
3. **Includes:** Unit price includes, but is not limited to, asphalt mix with asphalt binder, tack coat between layers, construction zone protection, and quality control.

D. HMA Base Widening by Square Yard:

1. **Measurement:** Measurement will be in square yards for each different thickness and binder grade of HMA base widening. The area of manholes, intakes, or other fixtures in the pavement will not be deducted from the measured base widening area.
2. **Payment:** Payment will be at the unit price per square yard for each thickness of HMA base widening.
3. **Includes:** Unit price includes, but is not limited to, asphalt mix with asphalt binder, tack coat between layers, construction zone protection, and quality control.

Section 7091 - Full Depth Reclamation

E. Microcracking:

1. **Measurement:** Measurement will be in square yards for the area of roadway microcracked.
2. **Payment:** Payment will be at the unit price per square yard of roadway microcracked.
3. **Includes:** Unit price includes, but is not limited to, furnishing equipment, protecting street fixtures, completing microcracking, and curing.

Section 8010 - Traffic Signals

A. Traffic Signal:

1. **Measurement:** Lump sum item; no measurement will be made.
2. **Payment:** Payment will be at the lump sum price for traffic signal installation. Partial payment will be made according to the approved schedule of unit prices for those materials installed.

3. **Includes:** Lump sum price includes, but is not limited to, furnishing and installing all pole foundations, poles, wiring, conduit, heads, signs, detection equipment, traffic signal control equipment, including pedestrian equipment, traffic signal controller and cabinet, and associated appurtenances for a complete, fully operation installation.

Section 9010 - Seeding

A. Conventional Seeding:

2. **Fertilizing:**
 - a. **Measurement:** Measurement will be in acres of fertilizer.
 - b. **Payment:** Payment will be at unit price per acre of fertilizer.
 - c. **Includes:** Unit price includes, but is not limited to, furnishing, applying, and incorporating fertilizer to the area to be seeded.
3. **Mulching:**
 - a. **Measurement:** Measurement will be in acres of mulch.
 - b. **Payment:** Payment will be in unit price per acre of mulch.
 - c. **Includes:** Unit price includes, but is not limited to furnishing, applying, and incorporating mulch to the area to be seeded.

Section 9040 - Erosion and Sediment Control

B. Compost Blankets:

1. **Measurement:** Measurement will be in square feet for each thickness of compost blanket.
2. **Payment:** Payment will be at the unit price per square foot for each thickness of compost blanket.
3. **Includes:** Unit price includes, but is not limited to, furnishing and spreading compost over the designated area.

C. Filter Berms:

1. **Measurement:** Measurement will be in linear feet for each size of filter berm, measured longitudinally along the top of the berm.
2. **Payment:** Payment will be at the unit price per linear foot for each size of berm.
3. **Includes:** Unit price include, but is not limited to, furnishing material and constructing the filter berm, including vegetation if specified.

P. Dust Control:

2. **Dust Control Product:**
 - a. **Measurement:** Measurement will be in square yards of the treated area.
 - b. **Payment:** Payment will be at the unit price per square yard of product applied.
 - c. **Includes:** Unit price include, but is not limited to, furnishing and incorporating the dust control product.

Q. Erosion Control Mulching:

1. **Conventional Mulching:**
 - a. **Measurement:** Measurement will be in acres of conventional mulch.
 - b. **Payment:** Payment will be at the unit price per acre of conventional mulch.
 - c. **Includes:** Unit price includes, but is not limited to, furnishing and incorporating mulch in the area designated in the contract documents.
2. **Hydromulching:**
 - a. **Measurement:** Measurement will be in acres for each type of hydromulch.
 - b. **Payment:** Payment will be at the unit price per acre for each type of hydromulch.
 - c. **Includes:** Unit price includes, but is not limited to, furnishing mulch and tackifier (if applicable), providing equipment specific to hydromulching, and applying the mulch to the specified area.

S. Surface Roughening:

1. **Measurement:** Measurement will be in square feet of surface roughening, including directional tracking or grooving/furrowing.
2. **Payment:** Payment will be at the unit price per square foot of surface roughening.
3. **Includes:** Unit price includes, but is not limited to, providing equipment to complete directional tracking or grooving/furrowing and completing surface roughening of slopes specified in the contract documents.

Section 11,030 - Temporary Services During Construction

A. Maintenance of Postal Service:

1. **Measurement:** Lump sum item; no measurement will be made.
2. **Payment:** Payment will be at the lump sum price for maintenance of postal service.
3. **Includes:** Lump sum price includes, but is not limited to, coordinating with USPS and erecting and maintaining temporary mailboxes.

B. Maintenance of Solid Waste Collection:

1. **Measurement:** Lump sum item; no measurement will be made.
2. **Payment:** Payment will be at the lump sum price for maintenance of solid waste collection.
3. **Includes:** Lump sum price includes, but is not limited to, coordinating and maintaining solid waste collection services including establishing alternate collection sites if required.

District:	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 4	<input type="checkbox"/> 5	<input checked="" type="checkbox"/> 6
Comments:	None.					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	

District:	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
Comments:	Noted 2 spelling errors in the 6020 bid item - existing and urethane. <i>Note - fixed.</i>					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	

District:	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input checked="" type="checkbox"/> 5	<input type="checkbox"/> 6
Comments:	9040, 1.08, P, 2, c - stop the sentence after "product." <i>Note - done.</i>					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	

Final District Action Summary: All 6 districts approved; see comments above. After discussions, added mix type requirement to 7010-A bid item.

Board of Directors Action: Approved.