

1000- AA- UTILITY WORK

Unit LS/LS **Accuracy** Lump Sum **PlanQuantity?** yes

Notes

Details

This pay item for Utility JPA projects Only. Tech Specs are required for all work to be completed.

Coordinate the use of this item with District Utilities Office. This is a LS project pay item; do NOT use separate pay items along with the LS item for any given JPA. Payment covers all work and materials for the entire utility project number. (Note: The Roadway project(s) may be either LS or standard pay items. Each utility project number may be either LS or standard pay items.)

Additional guidance: As with roadway projects, Utility LS projects should only be considered when the work to be completed (including known quantities) is clearly defined in the plans. LS projects should not be considered for unknown conditions.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items

Required

Recommended

Design Forms and Documentation

sumqrd: Roadway Summary of Quantities Sheet
 Locate in plans. Summarize quantities by location on summary sheet in the plans.

Construction Forms and Documentation

No additional form required; use plans summary or comp book
 Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

References

PPM Chapter
Trns-port
Other
Standards
Specifications

T: Plan Details and/or Technical Specifications required

Prep & Doc Manual Chapter(s)

*TRNS*PORT Category (DRAFT FIELD):* 0700 Utilities

Struct. 1000- AA- UTILITY WORK LS/LS

- AA =
- 5 (Sewer)
- 6 (Water)
- 7 (Power)
- 8 (Communications)
- 9 (Fuel)

Notes

The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
1000 5	UTILITY WORK- JPA ONLY, SEWER	LS	T	1/1/2010	
1000 6	UTILITY WORK- JPA ONLY, WATER	LS	T	1/1/2010	
1000 7	UTILITY WORK- JPA ONLY, POWER	LS	T	1/1/2010	
1000 8	UTILITY WORK- JPA ONLY, COMMUNICATIONS	LS	T	1/1/2010	

1050- 1A-BCD UTILITY PIPE

Unit LF; M1 **Accuracy** Linear Foot; 1/10 Meter **PlanQuantity?** no

Notes

Details

This pay item for Utility JPA projects Only

For new pipe, payment includes anchors & incidentals, as well as connections to existing systems; detail all work in the plans or specifications. HISTORICAL PRICES vary considerably based on location, depth, installation length, specification requirements (sanitizing, leak detection) and other factors. Consult the maintaining agency for guidance on unit prices.

For pipe up to 7.9" diameter, payment includes all fittings. Material requirements and pressure ratings must be included in the specifications.

For Casings, payment includes vents/air release valves.

For Plug/Place out of service, Specs/Details should indicate that payment includes all work & materials necessary. Plans should indicate length of pipe to be filled (payment length). For pipe up to 4", caps may be used, as allowed by the utility; this is an "each" item, valid only for A=8 (plug/place out of service). Caps must be detailed in the contract documents.

Tech Specs are required for all items.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items

Required

Recommended

Design Forms and Documentation

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

Construction Forms and Documentation

No additional form required; use plans summary or comp book

Record final quantity on the tabulation sheet (plans) or computation form (comp book).

References

PPM Chapter
Trns-port
Other
Standards
Specifications

T: Plan Details and/or Technical Specifications required

Prep & Doc Manual Chapter(s)

TRNS*PORT Category (DRAFT FIELD): 0700 Utilities

Struct. 1050- 1A-BCD UTILITY PIPE LF

- A= Operation
 - 1 (Furnish & Install)
 - 2 (Furnish)
 - 3 (Install) BC=00
 - 4 (Relocate) BC=00
 - 5 (Adjust /Modify) BC=00
 - 6 (Remove & Dispose) BC=00, Note: Contractor takes ownership
 - 7 (Remove & Stockpile/Salvage) BC=00, Note: DOT/maintaining agency retains ownership
 - 8 (Plug & Place out of Service) BC=00 Note: Utility Retains Ownership. See units of measure below
 - 9 (Temporary Pipe)
- B=Material
 - 1 (Concrete)
 - 2 (PVC)
 - 3 (PE)
 - 4 (DI/CI)
 - 5 (Steel)
- C= Application
 - 1 (Casing/Conduit)
 - 2 (Water/Sewer)
 - 3 (Gas)
 - 4 (Fuel Transmission)
- D= Size or Equivalent Diameter
 - Sizes up to 7.9" includes the cost of all fittings
 - 0 (Cap for pipe up to 4") EA, valid only for A=8
 - 4 (8.0 -19.9")
 - 5 (20.0 - 49.9")
 - 6 (50.0" or larger)

Notes

The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
1050 11124	UTILITY PIPE, F&I, CONCRETE, WATER / SEWER, 8 -19.9"	LF	T	1/1/2010	
1050 11125	UTILITY PIPE, F&I, CONCRETE, WATER / SEWER, 20 -49.9"	LF	T	1/1/2010	
1050 11211	UTILITY PIPE, F&I, PVC, CASING / CONDUIT, 0-1.9"	LF	T	1/1/2010	
1050 11212	UTILITY PIPE, F&I, PVC, CASING / CONDUIT, 2-4.9"	LF	T	1/1/2010	
1050 11213	UTILITY PIPE, F&I, PVC, CASING / CONDUIT, 5.0-7.9"	LF	T	1/1/2010	
1050 11214	UTILITY PIPE, F&I, PVC, CASING / CONDUIT, 8-19.9"	LF	T	1/1/2010	
1050 11215	UTILITY PIPE, F&I, PVC, CASING / CONDUIT, 20.0-49.9"	LF	T	1/1/2010	
1050 11221	UTILITY PIPE, F&I, PVC, WATER / SEWER, 0 - 1.9"	LF	T	1/1/2010	

1050 11222	UTILITY PIPE, F&I, PVC, WATER / SEWER, 2 - 4.9"	LF	T	1/1/2010
1050 11223	UTILITY PIPE, F&I, PVC, WATER / SEWER, 5 - 7.9"	LF	T	1/1/2010
1050 11224	UTILITY PIPE, F&I, PVC, WATER / SEWER, 8 -19.9"	LF	T	1/1/2010
1050 11225	UTILITY PIPE, F&I, PVC, WATER / SEWER, 20 - 40.9"	LF	T	1/1/2010
1050 11312	UTILITY PIPE, F&I, PE, CASING/CONDUIT, 2.0 - 4.9"	LF	T	1/1/2010
1050 11313	UTILITY PIPE, F&I, PE, CASING/CONDUIT, 5.0 - 7.9"	LF	T	1/1/2010
1050 11321	UTILITY PIPE, F&I, PE, WATER / SEWER, 0 - 1.9"	LF	T	1/1/2010
1050 11322	UTILITY PIPE, F&I, PE, WATER / SEWER, 2 - 4.9"	LF	T	1/1/2010
1050 11323	UTILITY PIPE, F&I, PE, WATER / SEWER, 5 - 7.9"	LF	T	1/1/2010
1050 11324	UTILITY PIPE, F&I, PE, WATER / SEWER, 8 - 19.9"	LF	T	1/1/2010
1050 11325	UTILITY PIPE, F&I, PE, WATER / SEWER, 20 - 49.9"	LF	T	1/1/2010
1050 11412	UTILITY PIPE, F&I, DI/CI, CASING/CONDUIT, 2-4.9"	LF	T	1/1/2010
1050 11414	UTILITY PIPE, F&I, DI/CI, CASING/CONDUIT, 8 - 19.9"	LF	T	1/1/2010
1050 11415	UTILITY PIPE, F&I, DI/CI, CASING/CONDUIT, 20 - 49.9"	LF	T	1/1/2010
1050 11422	UTILITY PIPE, F&I, DI/CI, WATER / SEWER, 2 - 4.9"	LF	T	1/1/2010
1050 11423	UTILITY PIPE, F&I, DI/CI, WATER / SEWER, 5 - 7.9"	LF	T	1/1/2010
1050 11424	UTILITY PIPE, F&I, DI/CI, WATER / SEWER, 8 - 19.9"	LF	T	1/1/2010
1050 11425	UTILITY PIPE, F&I, DI/CI, WATER / SEWER, 20 - 49.9"	LF	T	1/1/2010
1050 11426	UTILITY PIPE, F&I, DI/CI, WATER / SEWER, 50" OR GREATER	LF	T	1/1/2010
1050 11432	UTILITY PIPE, F&I, DI / CI, GAS, 2-4.9"	LF	T	1/1/2010
1050 11433	UTILITY PIPE, F&I, DI / CI, GAS, 5-7.9"	LF	T	1/1/2010
1050 11434	UTILITY PIPE, F&I, DI / CI, GAS, 8-19.9"	LF	T	1/1/2010
1050 11512	UTILITY PIPE, F&I, STEEL, CASING / CONDUIT, 2.0-4.9"	LF	T	1/1/2010
1050 11513	UTILITY PIPE, F&I, STEEL, CASING / CONDUIT, 5-7.9"	LF	T	1/1/2010
1050 11514	UTILITY PIPE, F&I, STEEL, CASING / CONDUIT, 8.0-19.9"	LF	T	1/1/2010
1050 11515	UTILITY PIPE, F&I, STEEL, CASING / CONDUIT, 20.0-49.9"	LF	T	1/1/2010

1050 11520	UTILITY PIPE, F&I, STEEL, WATER / SEWER, CAP FOR PIPE UP TO 4"	LF	T	1/1/2010
1050 11524	UTILITY PIPE, F&I, STEEL, WATER / SEWER, 8.0-19.9"	LF	T	1/1/2010
1050 11525	UTILITY PIPE, F&I, STEEL, WATER / SEWER, 20.0-49.9"	LF	T	1/1/2010
1050 12225	UTILITY PIPE, FURNISH, PVC, WATER / SEWER, 20 - 40.9"	LF	T	1/1/2010
1050 12423	UTILITY PIPE, FURNISH, DI/CI, WATER / SEWER, 5 - 7.9"	LF	T	1/1/2010
1050 12424	UTILITY PIPE, FUR, DI/CI, WATER / SEWER, 8 - 19.9"	LF	T	1/1/2010
1050 13001	UTILITY PIPE, INSTALL, 0-1.9"	LF	T	1/1/2010
1050 13002	UTILITY PIPE, INSTALL, 2-4.9"	LF	T	1/1/2010
1050 13003	UTILITY PIPE, INSTALL, 5-7.9"	LF	T	1/1/2010
1050 13004	UTILITY PIPE, INSTALL, 8-19.9"	LF	T	1/1/2010
1050 13005	UTILITY PIPE, INSTALL, 20.0-49.9"	LF	T	1/1/2010
1050 14004	UTILITY PIPE, RELOCATE, 8-19.9"	LF	T	1/1/2010
1050 15002	UTILITY PIPE, ADJUST/MODIFY, 2 - 4.9"	LF	T	1/1/2010
1050 15003	UTILITY PIPE, ADJUST/MODIFY, 5 - 7.9"	LF	T	1/1/2010
1050 15004	UTILITY PIPE, ADJUST/MODIFY, 8 - 19.9"	LF	T	1/1/2010
1050 16	UTILITY PIPE, REMOVE & DISPOSE	LF	T	1/1/2010
1050 16001	UTILITY PIPE,REMOVE & DISPOSE, 0 - 1.9"	LF	T	1/1/2010
1050 16002	UTILITY PIPE,REMOVE & DISPOSE, 2-4.9"	LF	T	1/1/2010
1050 16003	UTILITY PIPE,REMOVE & DISPOSE, 5-7.9"	LF	T	1/1/2010
1050 16004	UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"	LF	T	1/1/2010
1050 16005	UTILITY PIPE,REMOVE & DISPOSE & DISPOSE, 20-49.9"	LF	T	1/1/2010
1050 16006	UTILITY PIPE,REMOVE & DISPOSE & DISPOSE, 50" OR LARGER	LF	T	1/1/2010
1050 17004	UTILITY PIPE,REMOVE & STOCKPILE/SALVAGE, 8-19.9"	LF	T	1/1/2010
1050 17005	UTILITY PIPE,REMOVE & STOCKPILE/SALVAGE, 20-49.9"	LF	T	1/1/2010
1050 18000	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, CAP FOR UP TO 4" DIAMETER PIPE	EA	T	1/1/2010
1050 18001	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 0- 1.9"	LF	T	1/1/2010
1050 18002	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 2- 4.9"	LF	T	1/1/2010
1050 18003	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 5- 7.9"	LF	T	1/1/2010
1050 18004	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 8-19.9"	LF	T	1/1/2010
1050 18005	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 20-49.9"	LF	T	1/1/2010

1050 19222	UTILITY PIPE, TEMPORARY, PVC, WATER/SEWER ,2-4.9"	LF	T	1/1/2010
1050 19223	UTILITY PIPE, TEMPORARY, PVC, WATER/SEWER ,5-7.9"	LF	T	1/1/2010
1050 19224	UTILITY PIPE, TEMPORARY, PVC, WATER/SEWER, 8-19.9"	LF	T	1/1/2010
1050 19321	UTILITY PIPE, TEMPORARY, PE, WATER/SEWER ,0-1.9"	LF	T	1/1/2010

1055- 1A-BCD UTILITY FITTINGS

Unit EA **Accuracy** Each **PlanQuantity?** no

Notes

Details

This pay item for Utility JPA projects Only

For pipe up to 7.9" diameter, payment includes all fittings. Include thrust blocks, when needed, with payment for fittings. Material requirements and pressure ratings to be included in the specifications.

SPECIAL TYPE: Detail fitting type in the plans or specs.

Tech Specs are required for all items.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items

Required

Recommended

Design Forms and Documentation

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation
Locate in the plans. Summarize quantities by location in the computation book.

Construction Forms and Documentation

No additional form required; use plans summary or comp book
Record final quantity on the computation book form.

References

PPM Chapter
Trns-port
Other
Standards
Specifications

T: Plan Details and/or Technical Specifications required

Prep & Doc Manual Chapter(s)

*TRNS*PORT Category (DRAFT FIELD):* 0700 Utilities

Struct. 1055- 1A-BCD UTILITY FITTINGS EA

A= Operation
1 (Furnish & Install)
2 (Furnish)
3 (Install) BCD=blank

- 4 (Relocate) BCD=blank
- 5 (Adjust /Modify) BCD=blank
- 6 (Remove & Dispose) BCD=blank, Note: Contractor takes ownership
- 7 (Remove & Stockpile/Salvage) BCD=blank, Note: DOT/maintaining agency retains ownership

B=Material

- 1 (Concrete)
- 2 (PVC)
- 3 (PE)
- 4 (DI/CI)
- 5 (Steel)

C= Fitting Type

- 1 (Elbow)
- 2 (Tee)
- 3 (Reducer)
- 4 (Union)
- 5 (Cap/Plug)
- 6 (Y)
- 7 (Cleanout)
- 9 (Special)

D= Size or Equivalent Diameter

Sizes up to 7.9" includes the cost of all fittings

- 4 (8.0 - 19.9")
- 5 (20.0 - 49.9")
- 6 (50.0" or larger)

Notes

The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
1055 11146	UTILITY FITTINGS, F&I, CONCRETE, UNION/ADAPTER, 50" OR GREATER	EA	T	1/1/2010	
1055 11214	UTILITY FITTING, F&I, PVC, ELBOW, 8.0-19.9"	EA	T	1/1/2010	
1055 11215	UTILITY FITTING, F&I, PVC, ELBOW, 20.0-49.9"	EA	T	1/1/2010	
1055 11224	UTILITY FITTING, F&I, PVC, TEE, 8.0-19.9"	EA	T	1/1/2010	
1055 11234	UTILITY FITTING, F&I, PVC, REDUCER, 8.0-19.9"	EA	T	1/1/2010	
1055 11244	UTILITY FITTING, F&I, PVC, UNION, 8.0-19.9"	EA	T	1/1/2010	
1055 11254	UTILITY FITTING, F&I, PVC, CAP/PLUG, 8 - 19.9"	EA	T	1/1/2010	
1055 11264	UTILITY FITTING, F&I, PVC, Y FITTING, 8 - 19.9"	EA	T	1/1/2010	
1055 11273	UTILITY FITTING, F&I, PVC, CLEANOUT	EA	T	1/1/2010	
1055 11274	UTILITY FITTINGS, F&I, PVC, CLEANOUT, 8 - 19.9"	EA	T	1/1/2010	
1055 11275	UTILITY FITTINGS, F&I, PVC, CLEANOUT, 20 - 49.9"	EA	T	1/1/2010	
1055 11295	UTILITY FITTINGS, F&I, PVC, SPECIAL, 20 - 49.9"	EA	T	1/1/2010	
1055 11314	UTILITY FITTINGS, F&I, PE, ELBOW, 8 - 19.9"	EA	T	1/1/2010	

1055 11414	UTILITY FITTINGS, F&I, DI/CI, ELBOW, 8 - 19.9"	EA	T	1/1/2010
1055 11415	UTILITY FITTINGS, F&I, DI/CI, ELBOW, 20 - 49.9"	EA	T	1/1/2010
1055 11416	UTILITY FITTINGS, F&I, DI/CI, ELBOW, 50" OR GREATER	EA	T	1/1/2010
1055 11424	UTILITY FITTINGS, F&I, DI/CI, TEE, 8 - 19.9"	EA	T	1/1/2010
1055 11425	UTILITY FITTINGS, F&I, DI/CI, TEE, 20 - 49.9"	EA	T	1/1/2010
1055 11426	UTILITY FITTINGS, F&I, DI/CI, TEE, 50" OR GREATER	EA	T	1/1/2010
1055 11434	UTILITY FITTINGS, F&I, DI/CI, REDUCER, 8 - 19.9"	EA	T	1/1/2010
1055 11435	UTILITY FITTINGS, F&I, DI/CI, REDUCER, 20 - 49.9"	EA	T	1/1/2010
1055 11444	UTILITY FITTINGS, F&I, DI/CI, UNION, 8 - 19.9"	EA	T	1/1/2010
1055 11445	UTILITY FITTINGS, F&I, DI/CI, UNION, 20 - 49.9"	EA	T	1/1/2010
1055 11452	UTILITY FITTINGS, F&I, DI/CI, CAP/PLUG	EA	T	1/1/2010
1055 11453	UTILITY FITTINGS, F&I, DI/CI, CAP/PLUG	EA	T	1/1/2010
1055 11454	UTILITY FITTINGS, F&I, DI/CI, CAP/PLUG, 8 - 19.9"	EA	T	1/1/2010
1055 11455	UTILITY FITTINGS, F&I, DI/CI, CAP / PLUG, 20 - 49.9"	EA	T	1/1/2010
1055 11456	UTILITY FITTINGS, F&I, DI/CI, CAP / PLUG, 50" OR GREATER	EA	T	1/1/2010
1055 11464	UTILITY FITTINGS, F&I, DI/CI, Y, 8 -19.9"	EA	T	1/1/2010
1055 11465	UTILITY FITTINGS, F&I, DI/CI, Y, 20 - 49.9"	EA	T	1/1/2010
1055 11494	UTILITY FITTINGS, F&I, DI/CI, SPECIAL, 8.0- 19.9"	EA	T	1/1/2010
1055 11495	UTILITY FITTINGS, F&I, DI/CI, SPECIAL, 20.0- 49.9"	EA	T	1/1/2010
1055 11514	UTILITY FITTINGS, F&I, STEEL, ELBOW, 8.0- 19.9"	EA	T	1/1/2010
1055 11555	UTILITY FITTINGS, F&I, STEEL, CAP / PLUG, 20 - 49.9"	EA	T	1/1/2010
1055 12215	UTILITY FITTING, FURNISH, PVC, ELBOW, 20.0-49.9"	EA	T	1/1/2010
1055 12414	UTILITY FITTINGS, FURNISH, DI/CI, ELBOW, 8 - 19.9"	EA	T	1/1/2010
1055 12415	UTILITY FITTINGS, FURNISH, DI/CI, ELBOW, 20 - 49.9"	EA	T	1/1/2010
1055 12424	UTILITY FITTINGS, FURNISH, DI/CI, TEE, 8 - 19.9"	EA	T	1/1/2010
1055 12444	UTILITY FITTINGS, FURNISH, DI/CI, UNION, 8 - 19.9"	EA	T	1/1/2010
1055 12454	UTILITY FITTINGS, FURNISH, DI/CI, CAP/PLUG, 8 - 19.9"	EA	T	1/1/2010

1055 13	UTILITY FITTINGS, INSTALL	EA	T	1/1/2010
1055 15	UTILITY FITTINGS, ADJUST & MODIFY	EA	T	1/1/2010
1055 16	UTILITY FITTINGS, REMOVE & DISPOSAL	EA	T	1/1/2010

1060- 1A-BCD UTILITY STRUCTURE- BELOW GROUND

Unit EA **Accuracy** Each **PlanQuantity?** no

Notes

Details

This pay item for Utility JPA projects Only
DO NOT USE for Milling adjustments; see 425 items for adjusting manholes & utility valves
For Utility Structures BELOW ground.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items

Required

Recommended

Design Forms and Documentation

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

Construction Forms and Documentation

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

References

PPM Chapter
Trns-port
Other
Standards
Specifications

T: Plan Details and/or Technical Specifications required

Prep & Doc Manual Chapter(s)

*TRNS*PORT Category (DRAFT FIELD):* 0700 Utilities

Struct. 1060- 1A-BCD UTILITY STRUCTURE- BELOW GROUND EA

- A= Operation
- 1 (Furnish & Install)
- 2 (Furnish)
- 3 (Install)
- 4 (Relocate)
- 5 (Adjust /Modify) BCD= blank See detail information for milling adjustments
- 6 (Remove & Dispose) BCD= blank Note: Contractor takes ownership
- 7 (Remove & Stockpile/Salvage) BCD= blank Note: DOT/maintaining agency retains ownership
- B=Utility
- 1 (Electrical /Communications)
- 2 (Water/Sewer)
- 3 (Other)*
- C= Volume
- 1 (0-80 FT3)

2 (>80 FT3)

D=Depth

1 (0-6')

2 (6.1-12')

3 (>12')

Notes

The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
1060 11111	UTILITY STRUCTURE, BELOW GROUND, F&I, ELECTRICAL COMMUNIC, 0 - 80 FT3, 0 - 6'	EA	T	1/1/2010	
1060 11211	UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER, 0 - 80 FT3, 0 - 6'	EA	T	1/1/2010	
1060 11212	UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER, 0 - 80 FT3, 6.1 - 12'	EA	T	1/1/2010	
1060 11213	UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER, 0 - 80 FT3, >12'	EA	T	1/1/2010	
1060 11221	UTILITY STRUCTURE, BELOW GROUND, F&I, WATER / SEWER > 80 FT3, 0 - 6'	EA	T	1/1/2010	
1060 11222	UTILITY STRUCTURE, BELOW GROUND, F&I, WATER / SEWER > 80 FT3, 6.1 - 12'	EA	T	1/1/2010	
1060 11223	UTILITY STRUCTURE, BELOW GROUND, F&I, WATER / SEWER > 80 FT3, > 12'	EA	T	1/1/2010	
1060 13	UTILITY STRUCTURE, BELOW GROUND, INSTALL	EA	T	1/1/2010	
1060 15	UTILITY STRUCTURE, BELOW GROUND, ADJUST/MODIFY	EA	T	1/1/2010	
1060 16	UTILITY STRUCTURE, BELOW GROUND, REMOVE&DISPOSE CONTRACTOR TAKES OWNERSHIP	EA	T	1/1/2010	
1060 17	UTILITY STRUCTURE, BELOW GROUND, REMOVE/STOCKPILE/ SALVAGE, DOT/OTHER AGENCY RETAINS OWNERSHIP	EA	T	1/1/2010	
1060 19222	UTILITY STRUCTURE, BELOW GROUND, REHAB, WATER/SEWER > 80 FT3, 6.1-12' DEEP	EA	T	1/1/2010	
1060 21 11	UTILITY STRUCTURE- ABOVE GROUND, 0-1 CY PAD, WITH COVER	EA	T	1/1/2010	
1060 21 20	UTILITY STRUCTURE- ABOVE GROUND, 1.1-3 CY PAD, WITHOUT COVER	EA	T	1/1/2010	
1060 23 30	UTILITY STRUCTURE- ABOVE GROUND, INSTALL 1.1-3 CY PAD, WITHOUT COVER	EA	T	1/1/2010	
1060 25	UTILITY STRUCTURE, ABOVE GROUND, ADJUST & MODIFY	EA	T	1/1/2010	

1060- 2A- BC UTILITY STRUCTURE- ABOVE GROUND

Unit EA **Accuracy** Each **PlanQuantity?** no

Notes

Details This pay item for Utility JPA projects Only

For Utility Structures ABOVE ground.
Calculate pad volume as the length x width x depth of concrete. Covers are for non-electrical applications, aesthetic or weather enclosures. Material requirements to be included in the specifications.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items	Required	Recommended
Design Forms and Documentation	COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation Locate in the plans. Summarize quantities by location in the computation book.	
Construction Forms and Documentation	No additional form required; use plans summary or comp book Record final quantity on the computation book form.	
References	PPM Chapter Trns-port Other Standards Specifications	
	T: Plan Details and/or Technical Specifications required	
	Prep & Doc Manual Chapter(s)	

*TRNS*PORT Category (DRAFT FIELD):* 0700 Utilities

Struct.	1060- 2A- BC	UTILITY STRUCTURE- ABOVE GROUND	EA
	A= Operation 1 (Furnish & Install) 2 (Furnish) 3 (Install) 4 (Relocate) 5 (Adjust /Modify) BCD= blank 6 (Remove & Dispose) BCD= blank Note: Contractor takes ownership 7 (Remove & Stockpile/Salvage) BCD= blank Note: DOT/maintaining agency retains ownership B=Pad Volume 1 (0-1 YD3) 2 (1.1-3 YD3) 3 (>3 YD3) C=Cover 0 (without cover) 1 (with cover)		

Notes

The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

1080- 1A-BCC	UTILITY FIXTURES		
Unit	EA	Accuracy	Each
			PlanQuantity? no

Notes

Details

This pay item for Utility JPA projects Only
Additional fixtures to be added as needed. Submit Request through District Estimates Office.
Tabulate all items in the plans.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items

Required

Recommended

Design Forms and Documentation

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation
Locate in the plans. Summarize quantities by location in the computation book.

Construction Forms and Documentation

No additional form required; use plans summary or comp book
Record final quantity on the computation book form.

References

PPM Chapter
Trns-port
Other
Standards
Specifications

T: Plan Details and/or Technical Specifications required
Prep & Doc Manual Chapter(s)

*TRNS*PORT Category (DRAFT FIELD):* 0700 Utilities

Struct. 1080- 1A-BCC UTILITY FIXTURES EA

- A= Operation
- 1 (Furnish & Install)
- 2 (Furnish)
- 3 (Install)
- 4 (Relocate) BCC= blank
- 5 (Adjust /Modify) BCC= blank
- 6 (Remove & Dispose) Note: Contractor takes ownership, BCC= blank
- 7 (Remove & Stockpile/Salvage) Note: DOT/maintaining agency retains ownership, BCC= blank

B= Size or Equivalent Diameter

- 1 (0 - 1.9")*
- 2 (2.0 - 4.9")*
- 3 (5.0 - 7.9")*
- 4 (8.0 -19.9")
- 5 (20.0 - 49.9")
- 6 (50.0" or larger)

*NOTE: Fittings for pipe sizes up to 8" are included in the cost of the pipe. Fixtures, any size, may be paid under this item.

CC= Fixture

- 1 (Valve/Meter Box)
- 2 (Backflow Assembly)
- 3 (Tapping Saddle/Sleeve)
- 4 (Valve Assembly)

- 5 (Blowoff Assembly)
 - 6 (VAC/AIR Assembly)
 - 7 (Line Stop Assembly)
 - 8 (Mechanical Joint Separator)
 - 9 (Mechanical Joint Restraint)
 - 10 (Flexible Expansion Joint)
 - 11... submit request to expand structure
- Note: CC list to be expanded as needed.

Notes

The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
1080 11101	UTILITY FIXTURES, F&I, 0 - 1.9", VALVE/METER BOX	EA	T	1/1/2010	
1080 11102	UTILITY FIXTURES, F&I, 0 - 1.9", BACKFLOW ASSEMBLY	EA	T	1/1/2010	
1080 11103	UTILITY FIXTURES, F&I, 0 - 1.9", TAPPING SADDLE / SLEEVE	EA	T	1/1/2010	
1080 11104	UTILITY FIXTURES, F&I, 0 - 1.9", VALVE ASSEMBLY	EA	T	1/1/2010	
1080 11105	UTILITY FIXTURES, F&I, 0-1.9", BLOWOFF ASSEMBLY	EA	T	1/1/2010	
1080 11106	UTILITY FIXTURES, F&I, 0 - 1.9", VAC / AIR ASSEMBLY	EA	T	1/1/2010	
1080 11107	UTILITY FIXTURES, F&I, 0 - 1.9", LINE STOP ASSEMBLY	EA	T	1/1/2010	
1080 11201	UTILITY FIXTURES, F&I, 2-4.9", VALVE/METER BOX	EA	T	1/1/2010	
1080 11202	UTILITY FIXTURES, F&I, 2 - 4.9", BACKFLOW ASSEMBLY	EA	T	1/1/2010	
1080 11203	UTILITY FIXTURES, F&I, 2-4.9", TAPPING SADDLE/SLEEVE	EA	T	1/1/2010	
1080 11204	UTILITY FIXTURES, F&I, 2-4.9", VALVE ASSEMBLY	EA	T	1/1/2010	
1080 11205	UTILITY FIXTURES, F&I, 2-4.9", BLOWOFF ASSEMBLY	EA	T	1/1/2010	
1080 11206	UTILITY FIXTURES, F&I, 2-4.9", VAC/AIR ASSEMBLY	EA	T	1/1/2010	
1080 11207	UTILITY FIXTURES, F&I, 2-4.9", LINE STOP ASSEMBLY	EA	T	1/1/2010	
1080 11209	UTILITY FIXTURES, F&I, 2-4.9", MECHANICAL JOINT RESTRAINT	EA	T	1/1/2010	
1080 11301	UTILITY FIXTURES, F&I, 5.0 - 7.9", VALVE/METER BOX	EA	T	1/1/2010	
1080 11302	UTILITY FIXTURES, F&I, 5.0 - 7.9", BACKFLOW ASSEMBLY	EA	T	1/1/2010	
1080 11303	UTILITY FIXTURES, F&I, 5.0 - 7.9", TAPPING SADDLE/SLEEVE	EA	T	1/1/2010	
1080 11304	UTILITY FIXTURES, F&I, 5.0 - 7.9", VALVE ASSEMBLY	EA	T	1/1/2010	

1080 11305	UTILITY FIXTURES, F&I, 5.0 - 7.9", BLOWOFF ASSEMBLY	EA	T	1/1/2010
1080 11306	UTILITY FIXTURES, F&I, 5.0 - 7.9", VAC/AIR ASSEMBLY	EA	T	1/1/2010
1080 11307	UTILITY FIXTURES, F&I, 5-7.9", LINE STOP ASSEMBLY	EA	T	1/1/2010
1080 11309	UTILITY FIXTURES, F&I, 5-7.9", MECHANICAL JOINT RESTRAINT	EA	T	1/1/2010
1080 11401	UTILITY FIXTURES, F&I, 8.0 - 19.9", VALVE METER BOX	EA	T	1/1/2010
1080 11402	UTILITY FIXTURES, F&I, 8.0 - 19.9", BACKFLOW ASSEMBLY	EA	T	1/1/2010
1080 11403	UTILITY FIXTURES, F&I, 8.0-19.9", TAPPING SADDLE/SLEEVE	EA	T	1/1/2010
1080 11404	UTILITY FIXTURES, F&I, 8.0-19.9", VALVE ASSEMBLY	EA	T	1/1/2010
1080 11405	UTILITY FIXTURES, F&I, 8.0-19.9", BLOWOFF ASSEMBLY	EA	T	1/1/2010
1080 11406	UTILITY FIXTURES, F&I, 8.0-19.9", VAC/AIR ASSEMBLY	EA	T	1/1/2010
1080 11407	UTILITY FIXTURES, F&I, 8-19.9", LINE STOP ASSEMBLY	EA	T	1/1/2010
1080 11408	UTILITY FIXTURES, F&I, 8-19.9", MJS ADAPTER	EA	T	1/1/2010
1080 11409	UTILITY FIXTURES, F&I, 8-19.9", MECHANICAL JOINT RESTRAINT	EA	T	1/1/2010
1080 11501	UTILITY FIXTURES, F&I, 20-49.9", VALVE/METER BOX	EA	T	1/1/2010
1080 11502	UTILITY FIXTURES, F&I, 20-49.9", BACKFLOW ASSEMBLY	EA	T	1/1/2010
1080 11503	UTILITY FIXTURES, F&I, 20-49.9", TAPPING SADDLE/SLEEVE	EA	T	1/1/2010
1080 11504	UTILITY FIXTURES, F&I, 20-49.9", VALVE ASSEMBLY	EA	T	1/1/2010
1080 11506	UTILITY FIXTURES, F&I, 20-49.9", VAC/AIR ASSEMBLY	EA	T	1/1/2010
1080 11507	UTILITY FIXTURES, F&I, 20-49.9", LINE STOP ASSEMBLY	EA	T	1/1/2010
1080 11509	UTILITY FIXTURES, F&I, 20-49.9", MECHANICAL JOINT RESTRAINT	EA	T	1/1/2010
1080 11603	UTILITY FIXTURES, F&I, 50" OR GREATER, TAPPING SADDLE/SLEEVE	EA	T	1/1/2010
1080 11604	UTILITY FIXTURES, F&I, 50" OR GREATER, VALVE ASSEMBLY	EA	T	1/1/2010
1080 12304	UTILITY FIXTURES, FURNISH, 5.0 - 7.9", VALVE ASSEMBLY	EA	T	1/1/2010
1080 12403	UTILITY FIXTURES, FURNISH, 8.0-19.9", TAPPING SADDLE/SLEEVE	EA	T	1/1/2010
1080 12404	UTILITY FIXTURES, FURNISH, 8.0-19.9", VALVE ASSEMBLY	EA	T	1/1/2010

1080 12504	UTILITY FIXTURES, FURNISH, 20-49.9", VALVE ASSEMBLY	EA	T	1/1/2010
1080 13101	UTILITY FIXTURES, INSTALL, 0 - 1.9", VALVE/METER BOX	EA	T	1/1/2010
1080 13403	UTILITY FIXTURES, INSTALL, 8.0-19.9", TAPPING SADDLE/SLEEVE	EA	T	1/1/2010
1080 13404	UTILITY FIXTURES, INSTALL, 8.0-19.9", VALVE ASSEMBLY	EA	T	1/1/2010
1080 13504	UTILITY FIXTURES, INSTALL, 20-49.9", VALVE ASSEMBLY	EA	T	1/1/2010
1080 14	UTILITY FIXTURES, RELOCATE	EA	T	1/1/2010
1080 15	UTILITY FIXTURES, ADJUST & MODIFY	EA	T	1/1/2010
1080 16	UTILITY FIXTURES, REMOVE & DISPOSE	EA	T	1/1/2010
1080 16401	UTILITY FIXTURES, REMOVE & DISPOSE, 8 - 19.9", VALVE / METER BOX	EA	T	1/1/2010
1080 17	UTILITY FIXTURES, REMOVE, STOCKPILE / SALVAGE	EA	T	1/1/2010

1501- 1- UTILITY LIFT STATION, SANITARY SEWER

Unit EA **Accuracy** Each **PlanQuantity?** no

Notes

Details

This pay item for Utility JPA projects Only
Includes pump(s), power, internal piping, housing, and incidentals associated with the station.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items

Required

Recommended

Design Forms and Documentation

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation
Locate in the plans. Summarize quantities by location in the computation book.

Construction Forms and Documentation

No additional form required; use plans summary or comp book
Record final quantity on the computation book form.

References

PPM Chapter
Trns-port
Other
Standards
Specifications

T: Plan Details and/or Technical Specifications required

Prep & Doc Manual Chapter(s)

TRNS*PORT Category (DRAFT FIELD): 0700 Utilities

Struct. 1501- 1- UTILITY LIFT STATION, SANITARY SEWER EA

Notes

The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
1501 1	LIFT STATION, SANITARY SEWER	EA	T	1/1/2010	

1644-ABC- DD FIRE HYDRANT

Unit EA **Accuracy** Each **PlanQuantity?** no

Notes

Details

This pay item for Utility JPA projects Only
Items to be used for Water Main & Service Applications.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items

Required

Recommended

Design Forms and Documentation

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation
Locate in the plans. Summarize quantities by location in the computation book.

Construction Forms and Documentation

No additional form required; use plans summary or comp book
Record final quantity on the computation book form.

References

PPM Chapter
Trns-port
Other
Standards
Specifications

T: Plan Details and/or Technical Specifications required

Prep & Doc Manual Chapter(s) 7, 13

*TRNS*PORT Category (DRAFT FIELD): 0700 Utilities*

Struct. 1644-ABC- DD FIRE HYDRANT EA

- A = Operation
- 1 (Furnish & Install)
- 2 (Furnish)
- 3 (Install) BC = 00, DEE = Blank
- 4 (Salvage & Store) BC = 00, DEE = Blank
- 5 (Salvage & Reuse) BC = 00, DEE = Blank
- 6 (Plug & Placed Out Of Service) BC = 00, DEE = Blank
- 7 (Adjust & Modify) BC = 00, DEE = Blank
- 8 (Relocate) BC = 00, DEE = Blank
- 9 (Remove) BC = 00, DEE = Blank
- B = Type Of Hydrant
- 1 (Standard)

- 2 (Airport)
- 3 (Traffic)
- C = Number Of Ways
- 1 (Hose)
- 2 (Two Hose)
- 3 (Two Hose, One Pumper)
- 4 (2 Way, Flush Type, One Hose, One Pumper)
- 5 (4 Way, Three Hose, One Pumper)
- 6 (3 Way, Two Hose, One Pumper)
- DD = Size
- 05 (2")
- 08 (6")
- 09 (8")

Notes

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The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

1720-ABB- UTILITY WORK- TRANSFORMER			
	Unit EA Accuracy Each PlanQuantity? no		
Notes			
Details	<p>This pay item for Utility JPA projects Only Plans or Technical Specifications must detail item, materials, construction/installation requirements, as well as compensation.</p> <p>For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.</p>		
Related Items	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Required</td> <td style="width: 50%;">Recommended</td> </tr> </table>	Required	Recommended
Required	Recommended		
Design Forms and Documentation	<p>COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation</p> <p>Locate in the plans. Summarize quantities by location in the computation book.</p>		
Construction Forms and Documentation	<p>No additional form required; use plans summary or comp book</p> <p>Record final quantity on the computation book form.</p>		
References	<p>PPM Chapter</p> <p>Trns-port</p> <p>Other Standards Specifications</p> <p style="text-align: center; color: red;">T: Plan Details and/or Technical Specifications required</p> <p>Prep & Doc Manual Chapter(s)</p>		

.....
*TRNS*PORT Category (DRAFT FIELD):* 0700 Utilities

Struct.	1720-ABB- UTILITY WORK- TRANSFORMER	EA
	A = Operation	

- 1 (Furnish & Install)
- 2 (Furnish)
- 3 (Install) BB=00
- 8 (Relocate) BB=00
- 9 (Remove) BB=00
- BB = Configurations
- 01 (25 kVA Continuous Single Phase)
- 02 (75 kVA Continuous Single Phase)
- 03 (250 kVA Continuous Single Phase)

Notes

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The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
1720103	TRANSFORMER, F&I, 250 KVA CONTINUOUS SINGLE PHASE	EA	T	1/1/2010	

1820- 1- AB UTILITY CABLE, TELEPHONE/COMMUNICATIONS

Unit LF; M1 **Accuracy** Linear Foot; 1/10 Meter **PlanQuantity?** no

Notes

Details

This pay item for Utility JPA projects Only

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items

Required

Recommended

Design Forms and Documentation

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation
Locate in the plans. Summarize quantities by location in the computation book.

Construction Forms and Documentation

No additional form required; use plans summary or comp book
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

References

- PPM Chapter**
- Trns-port**
- Other**
- Standards**
- Specifications**

T: Plan Details and/or Technical Specifications required
Prep & Doc Manual Chapter(s)

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*TRNS*PORT Category (DRAFT FIELD):* 0700 Utilities

Struct. 1820- 1- AB UTILITY CABLE, TELEPHONE/COMMUNICATIONS LF

- A= Operation
- 1 (Furnish & Install)
- 2 (Furnish)

- 3 (Install) B=0
 - 4 (Relocate) B=0
 - 5 (Adjust /Modify) B=0
 - 6 (Remove & Dispose) B=0, Note: Contractor takes ownership
 - 7 (Remove & Stockpile/Salvage) B=0, Note: DOT/maintaining agency retains ownership
 - 8 (Place out of Service) B=0
- B= # of pairs
- 1 (up to 10 pair)
 - 2 (11-50 pair)
 - 3 (50-100 pair)
 - 4 (greater than 100 pair)

Notes

The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
1820 1 50	UTILITY CABLE, TELEPHONE/COMMUNICATIONS, ADJUST & MODIFY	LF	T	1/1/2010	
1820 1 60	UTILITY CABLE, TELEPHONE/COMMUNICATIONS, REMOVE AND DISPOSE, CONTRACTOR TAKES OWNERSHIP	LF	T	1/1/2010	
1820 1 70	UTILITY CABLE, TELEPHONE/COMMUNICATIONS, REMOVE & STOCKPILE/SALVAGE	LF	T	1/1/2010	

1820- 2- AB UTILITY FIBER OPTIC, TELEPHONE/COMMUNICATIONS

Unit LF; M1 **Accuracy** Linear Foot; 1/10 Meter **PlanQuantity?** no

Notes

Details

This pay item for Utility JPA projects Only

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

Related Items

Required

Recommended

Design Forms and Documentation

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation
Locate in the plans. Summarize quantities by location in the computation book.

Construction Forms and Documentation

No additional form required; use plans summary or comp book
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

References

- PPM Chapter**
- Trns-port**
- Other**
- Standards**
- Specifications**

T: Plan Details and/or Technical Specifications required

Prep & Doc Manual Chapter(s)

*TRNS*PORT Category (DRAFT FIELD):* 0700 Utilities

Struct. 1820- 2- AB UTILITY FIBER OPTIC, TELEPHONE/COMMUNICATIONS LF

Notes

The following items were open, as of the publication date. Refer to the Master Pay Item list for current items.

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
1820 2 60	UTILITY FIBER OPTIC,TELEPHONE COMMUNICATIONS, REMOVE & DISPOSE, CONTRACTOR TAKES OWNERSHIP	LF	T	1/1/2010	