

ATTACHMENT 6: PAYMENT / MEASUREMENT

4TH STREET WATERLINE

1. REMOVE & REPLACE ASPHALT PAVEMENT, 3" AC ON 6" ABC

Measurement will be based on the square yards (SY) of asphalt pavement section (includes both the aggregate base course and the asphalt concrete pavement section) installed to the required extents and depths.

Payment will be made on the bid unit price per square yard (SY) based on the measured quantity.

2. REMOVE & REPLACE CONCRETE VALLEY GUTTER

Measurement will be based on the square feet (SF) of existing concrete valley gutter sections removed and replaced as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per square feet (SF) based on the measured quantity.

3. REMOVE & REPLACE CONCRETE CURB & 4' WIDE GUTTER PAN

Measurement will be based on the square feet (SF) of existing curb and 4' wide gutter pan sections removed and replaced as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per square feet (SF) based on the measured quantity.

4. REMOVE & REPLACE CONCRETE SIDEWALK

Measurement will be based on the square feet (SF) of concrete sidewalk surface area removed and replaced as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per square feet (SF) based on the measured quantity.

5. CONNECT TO EXISTING WATER LINE, 6" DIA

Measurement shall be based on each (EA) connection made to an existing 6" diameter water line.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

6. INSTALL WATER LINE, MUNICIPEX PIPE, 2" DIA

Measurement will be based on the linear feet (LF) of 2" diameter MUNICIPEX water line pipe with all fittings included, installed complete, as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

7. INSTALL WATER SERVICE LINE, MUNICIPEX PIPE, 3/4" DIA

Measurement will be based on the linear feet (LF) of 3/4" diameter MUNICIPEX water service line pipe with all fittings included, installed complete, as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

8. INSTALL WATER SERVICE LINE, MUNICIPEX PIPE, 2" DIA, FOR SCHOOL

Measurement will be based on the linear feet (LF) of 2" diameter MUNICIPEX water service line pipe with all fittings included, installed complete, as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

9. INSTALL GATE VALVE, 2" DIA

Measurement will be based on each (EA) completed 2" water line gate valve, box, and cover installation as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

10. INSTALL AIR RELEASE VALVE

Measurement will be based on each (EA) completed installation of the air release valve assembly as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

11. CAP & ABANDON EXISTING WATER LINE, 2" DIA

Measurement shall be based on each (EA) capped and abandoned existing 2" diameter water line as measured and determined by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

12. CONSTRUCT DOUBLE CHIP SEAL STREET SURFACING

Measurement will be based on the square yards (SY) of double asphalt chip seal surfacing constructed as measured on the ground by the City Inspector. This bid item includes both layers of chip seal street surfacing and the final fog seal.

Payment will be made on the bid unit price per square yard (SY) based on the measured quantity.

13. APPLY CENTER LINE STRIPING, YELLOW TRAFFIC PAINT, 4" WIDTH

Measurement will be based on the square feet (SF) of pavement markings, yellow center line striping, 4" width, properly applied and as measured by the City Inspector. Only the painted segments in the broken lines will be measured for payment and gaps will not be included in the measurement.

Payment will be made at the bid unit price per square feet (SF) of 4" wide yellow painted striping installed based on the measured quantity.

14. APPLY CROSSWALK STRIPING, WHITE TRAFFIC PAINT, 6" WIDTH

Measurement will be based on the square feet (SF) of pavement markings, white crosswalk line striping, 6" width, properly applied and as measured by the City Inspector. Only the painted segments in the broken lines will be measured for payment and gaps will not be included in the measurement.

Payment will be made at the bid unit price per square feet (SF) of 6" wide white painted crosswalk striping installed based on the measured quantity.

15. APPLY STOP BAR STRIPING, WHITE THERMOPLASTIC, 24" WIDTH

Measurement will be based on the square feet (SF) of 24" wide white thermoplastic stop bar markings properly installed and as measured by the City Inspector.

Payment will be made at the bid unit price per square feet (SF) of 24" wide white stop bar striping/marking installed based on the measured quantity.

16. TRAFFIC CONTROL

Measurement shall be on a lump sum (LS) basis for all labor, equipment, materials, rentals, and supplies involved in full time traffic control for the total duration of construction activities as required.

Payment shall be a partial lump sum (LS) amount for the previous month based on the prorated percentage completion of the total contract amount and schedule duration (e.g. for each month of the planned 2-month project, the Contractor can submit a payment request for 1/2 the bid amount for traffic control each month).

DAYBREAK WATERLINE

17. REMOVE & REPLACE ASPHALT PAVEMENT, 3" AC ON 12" ABC

Measurement will be based on the square yards (SY) of asphalt pavement section (includes both the aggregate base course and the asphalt concrete pavement section) constructed to the required extents and depths.

Payment will be made on the bid unit price per square yard (SY) based on the measured quantity.

18. REMOVE METER BOX & RELOCATE WATER METER

Measurement will be based on each (EA) of existing meter box removed and water meter relocated as approved and accepted by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

19. CONNECT TO EXISTING WATER LINE, 6" DIA

Measurement shall be based on each (EA) connection made to an existing 6" diameter water line.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

20. CONNECT TO EXISTING WATER LINE, 2" DIA

Measurement shall be based on each (EA) connection made to an existing 2" diameter water line.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

21. INSTALL WATER LINE, PVC C900 PIPE, 4" DIA

Measurement will be based on the linear feet (LF) of 4" diameter C900 PVC pipe water line (DR18, 235 PSI) with all fittings included, installed complete, as measured on the ground by the City Inspector. Existing site features and items that need to be removed, stored, and replaced are included in this item. Applications of decomposed granite or other landscape surfacing material are included in this item.

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

22. INSTALL WATER LINE, PVC C900 PIPE, 8" DIA

Measurement will be based on the linear feet (LF) of 8" diameter C900 PVC pipe water line (DR18, 235 PSI) with all fittings included, installed complete, as measured on the ground by the City Inspector. Existing site features and items that need to be removed, stored, and replaced are included in this item. Applications of decomposed granite or other landscape surfacing material are included in this item.

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

23. INSTALL WATER SERVICE SADDLE, 4" X 3/4"

Measurement will be based on each (EA) 4" x 3/4" water service saddle installed complete with a 3/4" corporation curb stop, as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

24. INSTALL WATER SERVICE SADDLE, 8" X 3/4"

Measurement will be based on each (EA) 8" x 3/4" water service saddle installed complete with a 3/4" corporation curb stop, as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

25. INSTALL WATER SERVICE SADDLE, 8" X 1"

Measurement will be based on each (EA) 8" x 1" water service saddle installed complete with a 1" corporation curb stop, as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

26. INSTALL WATER SERVICE LINE, TYPE K COPPER, 3/4" DIA

Measurement shall be based on linear feet (LF) of the completed installation of 3/4" TYPE K COPPER water service pipe as measured on the ground and determined by the City Inspector. This work item shall include the cost to connect to the new water line, reconnect to the water meter, and to properly plug and abandon the existing water service pipe.

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

27. INSTALL WATER SERVICE LINE, TYPE K COPPER, 1" DIA

Measurement shall be based on linear feet (LF) of the completed installation of 1" TYPE K COPPER water service pipe as measured on the ground and determined by the City Inspector. This work item shall include the cost to connect to the new water line and to properly plug and abandon the existing water service pipe.

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

28. INSTALL GATE VALVE, 4" DIA

Measurement will be based on each (EA) completed 4" water line gate valve, box, and cover installation as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

29. INSTALL GATE VALVE, 8" DIA

Measurement will be based on each (EA) completed 8" water line gate valve, box, and cover installation as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

30. INSTALL METER BOX, MAG DTL 319 BOX NO 1324

Measurement will be based on each (EA) water meter box properly installed complete as accepted by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

31. INSTALL AIR RELEASE VALVE

Measurement will be based on each (EA) completed installation of the air release valve assembly as measured on the ground by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

32. INSTALL CURB STOP WITH FLUSHING PIPE

Measurement will be based on each (EA) curb stop with flushing pipe with water meter box frame and cover installed complete and fully functional as confirmed by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

33. CAP & ABANDON EXISTING WATER LINE, 6" DIA

Measurement shall be based on each (EA) capped and abandoned end of the existing 6" diameter water line as measured and accepted by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

34. CAP & ABANDON EXISTING WATER LINE, 2" DIA

Measurement shall be based on each (EA) capped and abandoned end of the existing 2" diameter water line as measured and accepted by the City Inspector.

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

35. TRAFFIC CONTROL

Measurement shall be on a lump sum (LS) basis for all labor, equipment, materials, rentals, and supplies involved in full time traffic control for the total duration of construction activities as required.

Payment shall be a partial lump sum (LS) amount for the previous month based on the prorated percentage completion of the total contract amount and schedule duration (e.g. for each month of the planned 3-month project, the Contractor can submit a payment request for 1/3 the bid amount for traffic control each month).

APPLICABLE TO 4TH STREET AND DAYBREAK WATERLINE REPLACEMENT

(36) MOBILIZATION, (37) BONDING, AND (38) TAXES

'Mobilization' will be measured as a complete lump sum (LS) item of work.

Payment will be made at the lump sum (LS) price indicated on the Bid Schedule.

The lump sum amount shall be considered full compensation for the work as described herein and necessary for complete mobilization to the site, demobilization, and clean-up before leaving the site. The lump sum amount shall be considered full compensation for all work associated with this bid item, whether specifically stated or not.

Include in the lump sum price all costs to mobilize for the project such as moving equipment, trucks, and personnel, both to the site and off the site upon completion of the work. Also include expenses for bonds, taxes, licenses, permits, project insurance, project coordination, materials, quality control testing, testing coordination, submittals, storage of materials, removal and disposal of construction debris, and the temporary supplies, power, and telephone, all necessary for the execution of the work.

Payment will be made in two portions:

- 1) The first payment shall be made with the Contractor's initial billing invoice and shall be 70% of the contract lump sum amount for mobilization and 100% of the actual costs for bonding and taxes.
- 2) The final payment shall be made as part of the Contractor's final close-out billing invoice once the project has been fully completed and accepted by the CITY OF GLOBE and shall be the remaining 30% of the contract lump sum amount for mobilization to cover the de-mobilization and site restoration.