

Section 02612

PRECAST REINFORCED CONCRETE BOX SEWERS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Precast reinforced concrete box sewers.

1.02 MEASUREMENT AND PAYMENT

- A. Unit Prices.
 - 1. No payment will be made for precast reinforced concrete box sewer under this Section. Include payment in unit price for Sections 02631 - Storm Sewers.
 - 2. Refer to Section 01270 - Measurement and Payment for unit price procedures.
- B. Stipulated Price (Lump Sum). If Contract is Stipulated Price Contract, payment for work in this section is included in total Stipulated Price.

1.03 REFERENCES

- A. ASTM C 789 - Standard Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers.
- B. ASTM C 850 - Standard Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers with Less Than 2 feet of Cover Subjected to Highway Loadings.

1.04 SUBMITTALS

- A. Conform to requirements of Section 01330 - Submittal Procedures.
- B. Submit shop drawings and data on box sections, fittings, gaskets, and appurtenances for approval. Indicate conformance to reference standards.

PART 2 PRODUCTS

2.01 PRECAST REINFORCED CONCRETE BOX SEWERS

- A. Conform to ASTM C 789 or ASTM C 850, as indicated on Drawings.
- B. Pipe and boxes shall be machine-made or cast by process, which will provide for uniform placement of concrete in forms and compaction by mechanical devices to produce dense, structurally sound concrete.

2.02 CONCRETE

- A. Conform to requirements of Section 03315 - Concrete for Utility Construction.
- B. Use concrete mixed in central batch plant or other batching facility from which quality and uniformity of concrete can be assured. Transit-mixed concrete is not acceptable.

PART 3 EXECUTION

3.01 BEDDING

- A. Bed box sections on foundation of firm and stable material accurately shaped to conform to their bases. Install bedding as specified in Section 02317 - Excavation and Backfill for Utilities. When required by Drawings, use special bedding material. When single-cell box sections are placed in parallel for multi-cell installation place in conformance with details shown on Drawings.

3.02 PLACEMENT

- A. Carefully lower box sections to bottom of trench and lay accurately in line and grade, with spigot or tongue end downstream entering bell or groove end to full depth and in such manner as not to drag foreign material into annular space.

3.03 JOINTING

- A. Join box sections together and match so that they will form continuous smooth and uniform invert.

3.04 BACKFILLING

- A. After box has been properly jointed and bedded, commence backfilling.
- B. Backfill in accordance with Section 02317 - Excavation and Backfill for Utilities.

END OF SECTION