

## SECTION 1240 - FREE BORES UNDER ROADWAYS, DRIVEWAYS, AND ROADWAY CULVERT PIPES

### PART 1 - GENERAL

#### 1.1 SCOPE OF WORK:

Provide all labor, materials, equipment and services required to furnish and install all free bores shown on the drawings and/or specified herein. This work shall consist of a free bore under roadways, driveways, roadway culvert pipes or facilities at locations as directed on the drawings and by the ENGINEER.

<u>Carrier Pipe Diameter</u>	<u>Maximum Auger Diameter</u>
6"	10"
8"	12"
10"	14"
12"	16"
16"	21"
18"	23"
20"	25"
24"	30"

#### 1.2 SUBMITTALS:

- A. Descriptive literature, catalog cuts, and dimensional prints clearly indicating all dimensions and materials of construction, shall be submitted on all items specified herein to the ENGINEER for review before ordering.
- B. At the time of submission, the CONTRACTOR shall, in writing, call ENGINEER's attention to any deviations that the submittals may have from the requirements of the ENGINEER's Contract drawings and specifications.

### PART 2 - EXECUTION

- A. The CONTRACTOR shall excavate his own pits, as he may deem necessary, and will set his own line and grade stakes which shall be checked by the ENGINEER. Permits, as required, will be furnished or obtained by the OWNER, but shall be in the CONTRACTOR's hands before any excavating is commenced.
- B. In the event an obstruction is encountered in boring which cannot be removed and it becomes necessary to withdraw the auger and commence elsewhere, the hole from which the auger is withdrawn shall be completely backfilled with coarse sand rammed in.
- C. Before award of the Contract, the CONTRACTOR shall furnish a statement of his experience of such work, or if inexperienced, shall advise the OWNER as to whom he will sublet the work and give a statement of the experience of the sub-contractor, which shall be satisfactory to the OWNER.

### PART 3 - BASIS OF PAYMENT

#### 3.1 Free Bores Under Roadways:

Payment for free boring under roadways shall be at the price bid per linear foot measured along the centerline of the pipe as finally installed, not to exceed a distance equal to the width of the pavement at said centerline plus five feet (5') beyond the edge of the pavement at both edges unless otherwise shown on the drawings or directed by the ENGINEER. Such price and payment shall be in addition to the bid price for the carrier pipe (e.g. water main, sewer main, sewer lateral, etc.) and shall include all equipment, labor, tools, watchmen, and incidental costs.

3.2 Free Bores Under Driveways:

Payment for free boring under driveways shall be at the price bid per linear foot measured along the centerline of the pipe as finally installed, not to exceed a distance equal to the width of the driveway at said centerline plus five feet (5') beyond the edge of the driveway at both edges unless otherwise shown on the drawings or directed by the ENGINEER. Such price and payment shall be in addition to the bid price for the carrier pipe (e.g. water main, sewer main, sewer lateral, etc.) and shall include all equipment, labor, tools, watchmen, and incidental costs.

3.3 Free Bores Under Roadway Culvert Pipes:

Payment for free boring under roadway culvert pipes shall be at the price bid per linear foot measured along the centerline of the pipe as finally installed, not to exceed a distance equal to the outside diameter of the culvert pipe at said centerline plus eight feet (8') unless otherwise shown on the drawings or directed by the ENGINEER. Such price and payment shall be in addition to the bid price for the carrier pipe (e.g. water main, sewer main, sewer lateral, etc.) and shall include all equipment, labor, tools, watchmen, and incidental costs.

3.4 Free Bores Under Other Facilities:

Payment for free boring under other facilities not mentioned above or for free boring under multiple adjacent items shall be at the lump sum bid price or the price bid per linear foot (according to the proposal forms) measured along the centerline of the pipe as finally installed not to exceed the distance shown on the plans unless otherwise directed by the ENGINEER. Such price and payment shall be in addition to the bid price for the carrier pipe (e.g. water main, sewer main, sewer lateral, etc.) and shall include all equipment, labor, tools, watchmen, and incidental costs.

END OF SECTION