

DESIGN DATA

MATERIAL: CLASS & CONCRETE REINFORCING STEEL

f'c = 4 KSfy = 60 KSI LOADING: HL-93

DESIGN:

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION ASTM C890 ASTM C913

GENERAL NOTES

- 1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
- 2. FOR DETAILS OF GRATES SEE ROADWAY STANDARDS GPI-5. COST OF GRATES SHALL BE INCLUDED IN THE COST OF THE STRUCTURE.
- 3. THERE SHALL BE A MINIMUM VERTICAL DISTANCE OF 6 INCHES BETWEEN AN OPENING AND ANY EDGE.
- 4. PROVIDE LIFTING DEVICES IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS
- 5. PROVIDE GRADE 60 REINFORCING STEEL CONFORMING TO ASTM A615 OR EQUIVALENT AREA OF WELDED WIRE REINFORCING CONFORMING TO Δ STM Δ 1064
- 6. PROVIDE A MINIMUM CLEAR COVER OF 11/2 INCHES TO REINFORCING STEEL.
- 7. IF THE MANUFACTURER ELECTS TO USE WALLS OR SLABS WITH A THICKNESS OF 8 INCHES OR GREATER, THE WALLS OR SLABS WILL REQUIRE A SECONDARY LAYER OF REINFORCING STEEL EQUAL TO 0.11 $\rm IN^{2}/FT$ EACH WAY IN THE SECONDARY LAYER.
- 8. BLOCKOUTS IN WALLS MAY BE FORMED FOR GRATE SUPPORT.
- 9. MAXIMUM OPENING DIAMETER SHALL BE 4 INCHES LARGER THAN OUTSIDE DIAMETER OF PIPE
- 10. DO NOT GROUT RUBBER GASKET JOINTS WITHOUT THE MANUFACTURER'S RECOMMENDATIONS.
- 11. THE FOUNDATION SHALL BE STABILIZED OR REMOVED AND REPLACED WITH FIRM AND STABLE FOUNDATION MATERIAL. A MINIMUM 3 INCHES THICK LEVELING COURSE SHALL BE PROVIDED BELOW THE BASE AREA OF THE INLET AND EXTEND 6 INCHES BEYOND THE BASE AREA. THE LEVELING COURSE SHALL BE CONSTRUCTED WITH AGGREGATE BASE TYPE A. COSTS ASSOCIATED WITH THE FOUNDATION AND LEVELING COURSE SHALL BE INCLUDED IN THE PRICE BID OF THE STRUCTURE.
- 12. FLEXURAL REINFORCING STEEL SHALL NOT EXCEED SPACING OF 6 INCHES CENTER TO CENTER.
- 13. THE CONCRETE APRON SHALL BE CONSTRUCTED WITH CLASS C CONCRETE AND 6X6 W6.5XW6.5 WIRE MESH. COST OF APRON SHALL BE INCLUDED IN THE COST OF THE STRUCTURE.

	BASIS OF PAYMENT	
ITEM NO.	ITEM	UNIT
611(G)	PRECAST INLET (GPI TYPE 1 DES. 1)	EA
611(G)	PRECAST INLET (GPI TYPE 1 DES. 2)	EA
611(G)	PRECAST INLET (GPI TYPE 1 DES. 3)	EA
611(G)	PRECAST INLET (GPI TYPE 1 DES. 4)	EA
611(G)	PRECAST INLET (GPI TYPE 1 DES. 5)	EA
611(G)	PRECAST INLET (GPI TYPE 1 DES. 6)	EA
611(G)	PRECAST INLET (GPI TYPE 2 DES. 7)	EA
611(G)	PRECAST INLET (GPI TYPE 2 DES. 8)	EA
611(G)	PRECAST INLET (GPI TYPE 2 DES. 9)	EA
611(G)	PRECAST INLET (GPI TYPE 2 DES. 10)	EA
611(G)	PRECAST INLET (GPI TYPE 2 DES. 11)	EA
611(G)	PRECAST INLET (GPI TYPE 2 DES. 12)	EA
611(H)	ADD'L DEPTH IN PRECAST INLET (GPI TYPE 1 DES. \bigtriangleup)	VF
611(H)	ADD'L DEPTH IN PRECAST INLET (GPI TYPE 2 DES. 🔶)	VF

♦ SPECIFY TYPE 2 INLET DESIGN NUMBER. SEE CHART ON LEFT

APPROVED BY

OKLAHOMA Transportation

ROADWAY ENGINEER:



CONCRETE

2019 SPECIFICATIONS

PGPI

DWE

ROADWAY DESIGN DIVISION STANDARD

PRECAST GRATED PIPE DROP INLET

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_DATE: 4/1/2025