



**PIGEON FORGE**  
T.E.N.N.E.S.S.E.E

DEPARTMENT OF PUBLIC WORKS

MARK MILLER  
DIRECTOR

### **NOTICE OF BID**

The City of Pigeon Forge is receiving bids on traffic poles and mast arms.

Specifications may be obtained from the Public Works Department in City Hall between the hours of 8:00 a.m. and 4:30 p.m., Monday thru Friday.

All bids must be in sealed envelope with bidders name and address on outside and marked "Bid on Poles and Mast Arms Teaster Lane and Ridge Road."

Bids will be received until 2:00 pm, May 7, 2019, at which time they will be opened and read aloud.

The City reserves the right to reject any or all bids or to accept the bid most favorable to the City.

This 29th day of March, 2019.

Department of Public Works  
Pigeon Forge, Tennessee

## Specifications

All poles to be black

P1 – Height 22', Arm 55'

P2 – Height 22', Arm 45'

P3 – Height 22', Arm 35'

P4 – Height 22', Arm 35'

All questions directed to J. Shap Stiles, P.E. of Gresham Smith, 865-299-6138.

## Shipping and Delivery of Items and Bids

Shipment delivery: Pigeon Forge Street Department  
2602 Teaster Lane  
Pigeon Forge, TN 37863

Bid hand delivery: Pigeon Forge Public Works  
3211 Rena Street  
Pigeon Forge, TN 37863

Bid mail delivery: Pigeon Forge Public Works  
PO Box 1350  
Pigeon Forge, TN 37868

STATE

OF

TENNESSEE

(Rev. 02-03-07)

January 1, 2015

**SPECIAL PROVISION**

**REGARDING**

**HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS**

**Scope:**

The design requirements of this Special Provision shall apply to Section 713-Highway Signing, Section 714-Roadway and Structure Lighting, and Section 730-Traffic Signals of the Standard Specifications for Road and Bridge Construction, January 1, 2015

**Description:**

The design of the supports for overhead sign bridges, cantilever and butterfly configurations, high mast lighting, luminaires and traffic signals shall be in accordance with the American Association of Highway and Transportation Officials (AASHTO) Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, current edition, with addenda.

**General Conditions:**

All overhead sign bridge, cantilever and butterfly sign structures, traffic signal mast arm structures and high mast light poles, as well as any luminaire poles 90-ft or greater in height, shall be designed using the Fatigue Category 1 provisions found in the subject specifications except that, design for galloping-induced fatigue, is excluded. Fatigue designs are not required for luminaire poles less than 90-ft in height, span-wire poles or roadside sign poles.

In lieu of designing for galloping-induced fatigue in mast arm pole assemblies, a 60-inch by 16-inch by 0.125 gauge aluminum or galvanized steel panel shall be installed near the end of the mast arm with the long axis of the panel collinear with the long axis of the mast. The panel shall be mounted at such a height as to provide a least a 6-inch clearance from the top of the signal assembly or sign blank located on the mast arm within the length of the anti-galloping panel. The panel and attachment hardware shall be shown on the shop drawings, and is considered an item included in the price bid for the mast arm assembly.

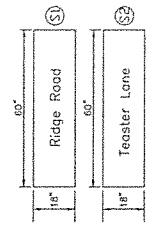
Additionally, all mast arm connections to the support pole shall be accomplished using a wrap-around ring stiffener assembly.

The following design coordinating instructions are as follows:

- The Basic Wind Speed shall be 90 mph.
- The Design Life/Recurrence Interval shall be 50-years.
- The speed for calculating Truck-induced gust loads shall be 65 mph.

REVISION	DATE	BY	CHKD.

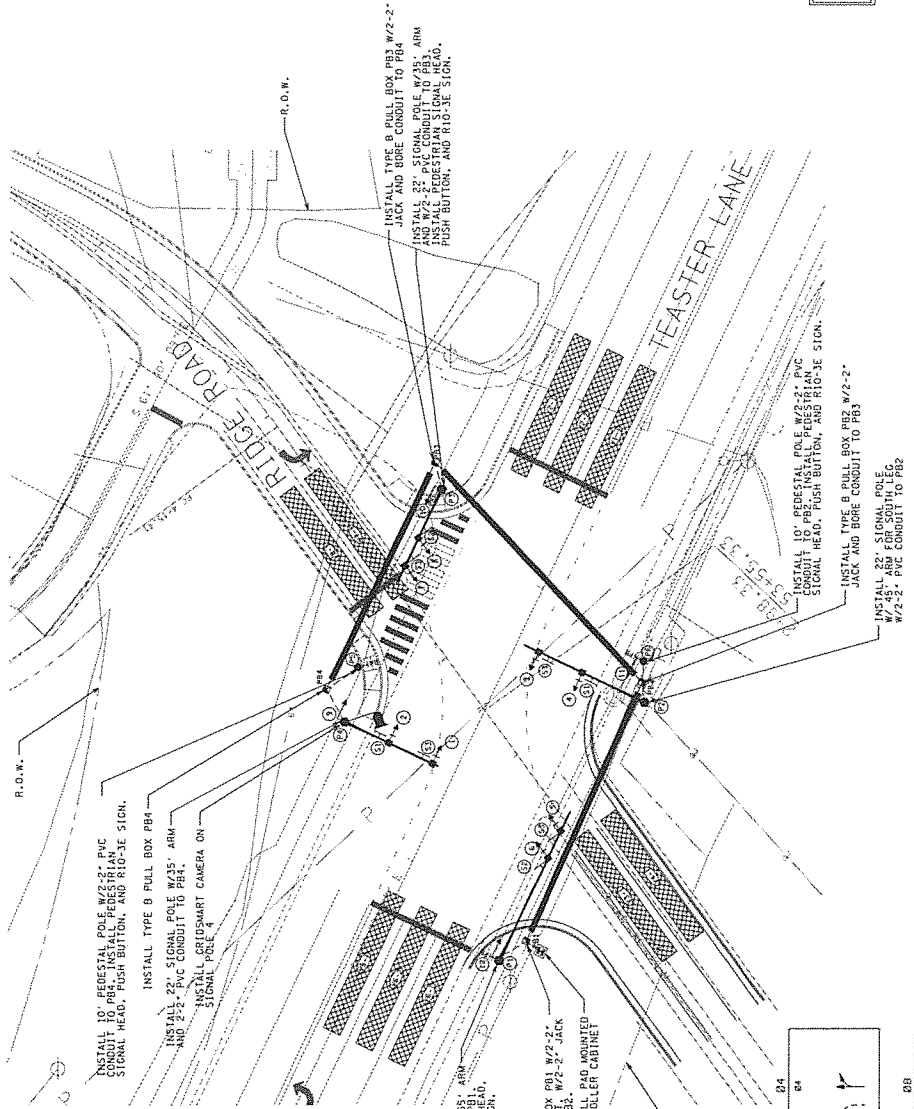
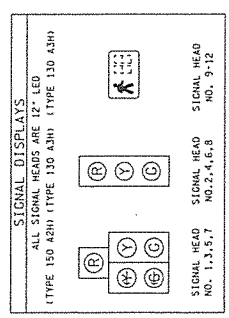
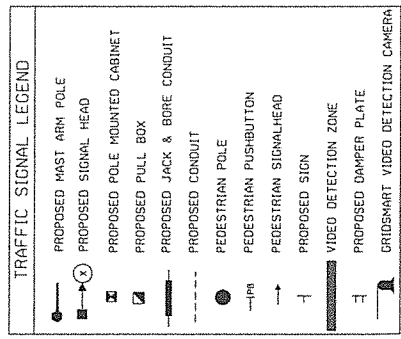
**SIGN DETAILS**



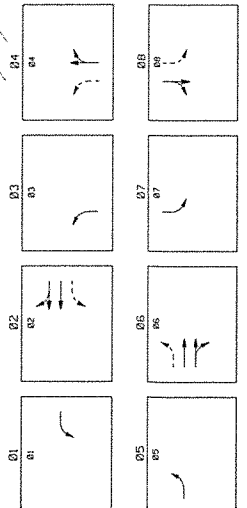
- HIGHWAY FONT
- 8" U.C. LETTERS
- 6" L.C. LETTERS
- WHITE LETTERING
- GREEN BACKGROUND



ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.  
 ALL ELEVATIONS ARE REFERENCED TO THE ROAD 1981.



**PHASING DIAGRAM**



# BID SHEET

Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Contact: \_\_\_\_\_ Phone: \_\_\_\_\_

Fax: \_\_\_\_\_ Email: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Item	each	total
Poles	_____	_____
Arms	_____	_____

**TOTAL BID:** \_\_\_\_\_

Delivery Time: \_\_\_\_\_