

# City of Lee's Summit

PUBLIC WORKS DEPARTMENT/ENGINEERING DIVISION

220 SE Green Street

Lee's Summit, Missouri 64063

(816) 969-1800 FAX (816) 969-1810

September 20, 2011

Applicant: TRANSYSTEMS  
2400 PERSHING ROAD, SUITE 400  
KANSAS CITY, MO 64108

Re: Engineering Plan Review  
Hyvee Gas Traffic Signal Installation  
PL2010009

Dear: TRANSYSTEMS

The Public Works Department received drawings for this site dated 18 January 2011. These plans were received by our department on 21 January 2011. We have completed our review and offer the following comments.

## Engineering Review

1. Final plan submittals must consist of a minimum of two (2) sets of full size 22" by 34" plans and two (2) sets of half size 11" by 17" plans. Please note that the City of Lee's Summit cannot accept any plan sets larger than 22" by 34".
2. The plan set was not sealed by a professional engineer in the State of Missouri.

## Traffic Review

1. The traffic signal plans required the following change to comply with recent revisions to the City's design criteria that reflect recent MUTCD modifications. These changes have minimal impact but nevertheless will need to be reflected in the plans:
  - Pole 4 shall have a 38' Mast Arm rather than 32' Mast Arm. This change should be reflected in the mast arm length designation on the plan sheet (sheet 3). The R10-12 Sign should then be shown to the left of the type H signal head.
  - The summary of quantities (sheet 6), Poles Table should reflect a 38' Mast Arm for Pole 4 rather than 32' Mast Arm and Bases and Pull Boxes Table should indicate a type B13 base for Pole 4 rather than B10.

IA sealed Engineer's Opinion of Probable Construction Costs should accompany your final submittal copies. Public Works' review and inspection fee is based on that cost. The following items, both materials and installation, should be included in the itemized estimate.

- All public infrastructure including the traffic signal improvements
- All storm water piping, structures, and detention/retention facilities
- All sanitary sewer manholes and piping between manholes, including private mains
- All water line improvements
- All grading for detention/retention ponds
- All erosion control devices
- The connection of the building sewer stub to the public main
- All private street construction, excluding parking lots, drive approaches and sidewalks

Feel free to contact Gene A. Williams at (816) 969-1800 or e-mail to [gene.williams@cityofls.net](mailto:gene.williams@cityofls.net) should you have any questions or comments.

Sincerely,

Gene A. Williams, P.E., Senior Staff Engineer