

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

January 31, 2011

Douglas J. Saltsgaver, PE
ENGINEERING RESOURCE GROUP, INC
2413 GRAND AVENUE
DES MOINES, IA 50312

Re: Engineering Plan Review
Hyvee Gas Road Improvements
PL2010009

Dear Mr. Saltsgaver:

The Public Works Department received drawings for this site dated January 13, 2011. These plans were received by our department on January 21, 2011. We have completed our review and offer the following comments.

Engineering Review

1. Road Improvement Plans Sheet C12.0 - Pavement section shall meet requirements found in the City's Design and Construction Manual Section 5200 (Table LS-2) for Commercial/Industrial Local Collector street classification. Option A: 2 in. AC Surface, 7.5 in. AC Base, 6 in. MoDOT Type 5 Base, 9 in. Subgrade Stabilization; Option B: 2 in. AC Surface, 7.5 in. AC Base, 6 in. MoDOT Type 5 Base, Geogrid.
2. Revise and resubmit cost estimate as necessary.

Traffic Review

1. Traffic Signal Plans - The luminaire mounting height shall be 40 feet rather than 30 feet.
2. Road Improvement Plans - Pavement Markings, Crosswalk Lines shall be 6" rather than 4" (see standard details).
3. Road Improvement Plans - Pavement Markings, Stop Lines shall be 24" rather than 12" (see standard details).
4. Road Improvement Plans - Pavement Markings, the right turn arrows (at the proposed traffic signal) shall be centered in the right-turn lane.
5. Road Improvement Plans - Pavement Markings, there is a solid lane line adjacent to (within 1' offset) the intermittent lane line for eastbound traffic (at the proposed traffic signal) that should be deleted.
6. Road Improvement Plans - Pavement Markings, the left turn arrow at station 7+20 should be located near station 6+87 in accordance with the standard details.
7. Road Improvement Plans - Pavement Markings, offset the eastbound left-turn lane stop line

location to match existing at the intersection of Ward Road. The left-turn lane is offset west of Ward Road to prevent conflict with the northbound left turn movement. The painted median and turn arrows should be modified for this change.

8. Road Improvement Plans - Pavement Markings, Existing markings for westbound traffic may not need to be replaced. Please verify and note whether these markings should be removed and replaced.
9. Staff will need a letter from MoDOT that indicates state approval of the improvement plans and signal plans. Staff will also need a letter from the property owner adjacent to the traffic signal stating agreement with the proposed improvements.

Feel free to contact Tony Reames at (816) 969-1826 or e-mail to Tony.Reames@cityofls.net should you have any questions or comments.

Sincerely,

Tony Reames, PE
Staff Engineer

CC: Michael Park, PE, City Traffic Engineer
Bill Lyon, Public Works Inspections