

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

Wednesday, December 15, 2010

Applicant: HY-VEE INC
5820 WESTOWN PKWY
WEST DES MOINES, IA 50266

Re: Engineering Plan Review
Road Improvements
PL2010009

Dear: HY-VEE INC

The Public Works Department received drawings for this site dated 30 Nov 2010. These plans were received by our department on Wednesday, November 17, 2010. We have completed our review and offer the following comments.

Engineering Review

1. Remove the label "interim" from the City Manager's title on the cover sheet.
2. Ensure corrections to the Final Development Plan are shown on the roadway plans.

Traffic Review

1. Insert City of Lee's Summit Temporary Traffic Control Standard Drawings to supplement the construction staging plan. Standard Drawings are available on the City's Website.
2. Insert City of Lee's Summit Pavement Marking Standard Drawings to supplement the pavement marking plan. Standard Drawings are available on the City's Website.
3. Paving Plans - Begin the widening (e.g. 245' lane transition) at the southeast curb radii PT, approximately Station 1+60. This will allow for some tangent lane alignment through the intersection (estimated 20'-25') prior to the stop line rather than misaligned vehicle entry.
4. Add 5' (or 6' if adjacent to curb) sidewalk along the south side of 3rd Street from Station 7+00 to approximately Station 9+50, terminating at shoulder. An ADA Ramp will be needed near Station 7+50 and a detail of this ramp should be provided.
5. Add 6' sidewalk behind the curb along the north side of 3rd Street with ADA ramp between approximate Station 5+20 and extending west to the residential driveway. This will provided opportunity for safe pedestrian passage at the signal. (See signal comments and marking comments for added pedestrian accommodations). Add a curb ramp detail for this additional ADA Curb Ramp.
6. Pavement marking plans should be labeled Marking or Striping Plan rather than Paving Plan.
7. Pavement Markings - Change arrow locations to comply with Standard Drawings. Use only one left-turn arrow for each direction between Station 5+00 and 7+50 (TWLTL) located from

each end of turn lane according to Standard.

8. Pavement Markings - Westbound 3rd Street should match existing lane widths to extent possible. Existing markings may not need to be replaced for westbound traffic. Eastbound lane widths should be 11' each, including turn lanes until approximately Station 8+25 where the lane widths begin to deviate to match existing lane alignment. Check lane alignment across the Ward/Oldham intersection. Lane widths shall not be less than 11'.
9. Pavement Markings - Offset the left-turn lane stop line location to match existing. The left-turn lane is offset west of Ward Road to prevent conflict with the Northbound Left turning movement. Adjust the painted median and left-turn arrows back to the revised stop line location.
10. Pavement Markings - Note 1, remove the reference to "paint" as material may not be "paint" or mixture of materials.
11. Pavement Markings - Note, all symbols, x-walk and stop lines shall be preformed thermoplastic material and all longitudinal lines shall be City specification High Build Paint.
12. Lanes shall not be less than 11' in width (measured from the lane line or edge of pavement, excluding curb and gutter).
13. Amend Demolition Plans for recommended changes and additions.
14. Traffic Signal Plans - Update Emergency Contact Numbers.
15. Traffic Signal Plans, General Notes - #12, Trenched is misspelled and remove reference to unit price or payment.
16. Traffic Signal Plans, General Notes - Remove the block number from the Street Name Sign. A new Standard is available if desired.
17. Traffic Signal Plans - Show pedestrian buttons on plans.
18. Traffic Signal Plans - Add a pedestrian crossing phase 8 for the east approach to the intersection. Add necessary pedestrian heads, push buttons and cable (new heads and push buttons located on Post 2 and Pole 1). Update plan, wiring diagram and quantities.
19. Pavement Markings - The crosswalk markings shall be the City's typical intersection markings (i.e. two solid white long lines) rather than the typical mid-block/school markings. Crosswalk and Stop Line shall be at least 4' separated.
20. Staff will need a letter from MoDOT that indicates MoDOT has reviewed and approved the construction plans that impact their right-of-way and traffic signal.
21. Staff will need a letter signed by the property owner adjacent to the traffic signal (driveway impacted) stating agreement with the proposed improvements.

A 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.

- Any water line larger than 2" in diameter, valves, hydrants, and backflow preventer with vault, if outside the building
- All storm water piping, structures, and detention/retention facilities
- All sanitary sewer manholes and piping between manholes, including private mains

- All public infrastructure, both onsite and offsite
- 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 Tony Reames at (816) 969-1826 or e-mail to Tony.Reames@cityofls.net should you have any questions or comments.

Sincerely,

Tony Reames, Staff Engineer

C: Bill Lyon, Public Works Inspections
cc: