

## KANSAS GEOLOGICAL SURVEY

The University of Kansas  
1930 Constant Ave  
Lawrence KS 66047-3726  
phone 785-864-3965  
fax 785-864-5317  
[www.kgs.ku.edu](http://www.kgs.ku.edu)

February 16, 2007

Mr. Levi J. Henry, City Administrator  
City of Horton  
205 E. 8<sup>th</sup> Street  
PO Box 30  
Horton, Kansas 66439-0030

**RE: City of Horton, Kansas  
CDBG Environmental Assessment  
Central Avenue Street Improvements**

Dear Mr. Henry:

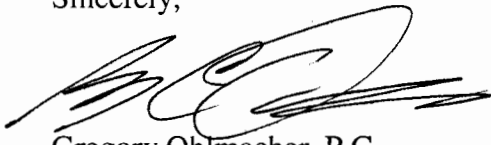
I have received your request for comment by the Kansas Geological Survey (KGS) on an application for a Community Development Block Grant (CDBG) funds to construct improvements to the City of Horton's existing street system. The project consists of a total reconstruction of Central Avenue from 15<sup>th</sup> Street to 10<sup>th</sup> Street (along the boundary between S32 and S33 T4S R17E).

I examined the USGS Horton 7½-minute topographic map, a 2002 orthophotograph, the NRCS Brown County Soil Survey, and a report on the geology and ground water of Brown County (Bayne and Schoewe, 1967, KGS Bulletin 186). The geologic map indicates that the site is on Quaternary Glacial Drift. The site is on Grundy and Shelby soils, which are soils developed on glacial till. The Brown County soil report lacks any engineering characteristics for the soil units; however, the soil report from neighboring Atchison County indicates that Grundy soils have high shrink-swell potential and that Shelby soils have moderate shrink-swell potential. The shrink-swell issue should not affect funding of this project, but should be addressed during the design phase. The Kansas Geological Survey has no knowledge of other geologic issues affecting this application.

The above discussion represents our best assessment based on the information that the Kansas Geological Survey has about this locality and/or proposed project at the time of this writing. Other geologic conditions, not discussed herein, or for which the Kansas Geological Survey has no knowledge, may affect the viability or safe operation of this facility or property. The information provided in this letter is from regional or countywide studies and should not be used as a substitute for detailed site characterization by a licensed geologist or engineer. It is the responsibility of the applicant to provide any required site characterizations.

If you have any questions, please contact me at (785) 864-2194 or [ohlmac@kgs.ku.edu](mailto:ohlmac@kgs.ku.edu).

Sincerely,

A handwritten signature in black ink, appearing to read 'G. Ohlmacher', with a stylized, sweeping flourish extending to the right.

Gregory Ohlmacher, P.G.  
Associate Scientist



Dale White, Mayor  
Ken Krug, Commissioner  
Kevin Stirton, Commissioner  
Bryan Stirton, Commissioner  
Steve Davies, Commissioner

Administrative Offices  
Levi Henry, City Administrator  
Candy Schmitt, City Clerk  
Carol Stirton, Deputy Clerk  
Lisa Merz, Utilities Clerk

February 2, 2007

*Ohlmacher*

Mr. ~~Donald Whittemore, Senior Scientist~~  
Kansas Geological Survey  
The University of Kansas  
1930 Constant Avenue, Campus West  
Lawrence, Kansas 66047-3726

**Re: City of Horton, Kansas  
CDBG Environmental Assessment  
Central Avenue Street Improvements**

Dear Mr. Whittemore:

The City of Horton, Kansas, located in Brown County, is applying for Community Development Block Grant (CDBG) funds to construct improvements to the City's *existing* street system. As a part of the CDBG environmental review process, comments on this proposed project by your agency are hereby requested. In order for your agency's comments to be considered, they must be received in writing at the **letterhead address** listed below on or before **Wednesday, March 6, 2007**. If your agency does not respond by the specified date, it will be considered as a "no comment" on the project.

The project is to consist of the total reconstruction of Central Avenue from 15<sup>th</sup> Street south to 10<sup>th</sup> Street, including replacement curbing, guttering, storm water inlets and drainage tiles, and sidewalks. Enclosed for your review is a project location map.

Information about this project may be obtained by contacting Levi Henry, Horton City Administrator, by phone at (785) 486-2681 or by e-mail at [levi.henry@hortonkansas.net](mailto:levi.henry@hortonkansas.net).

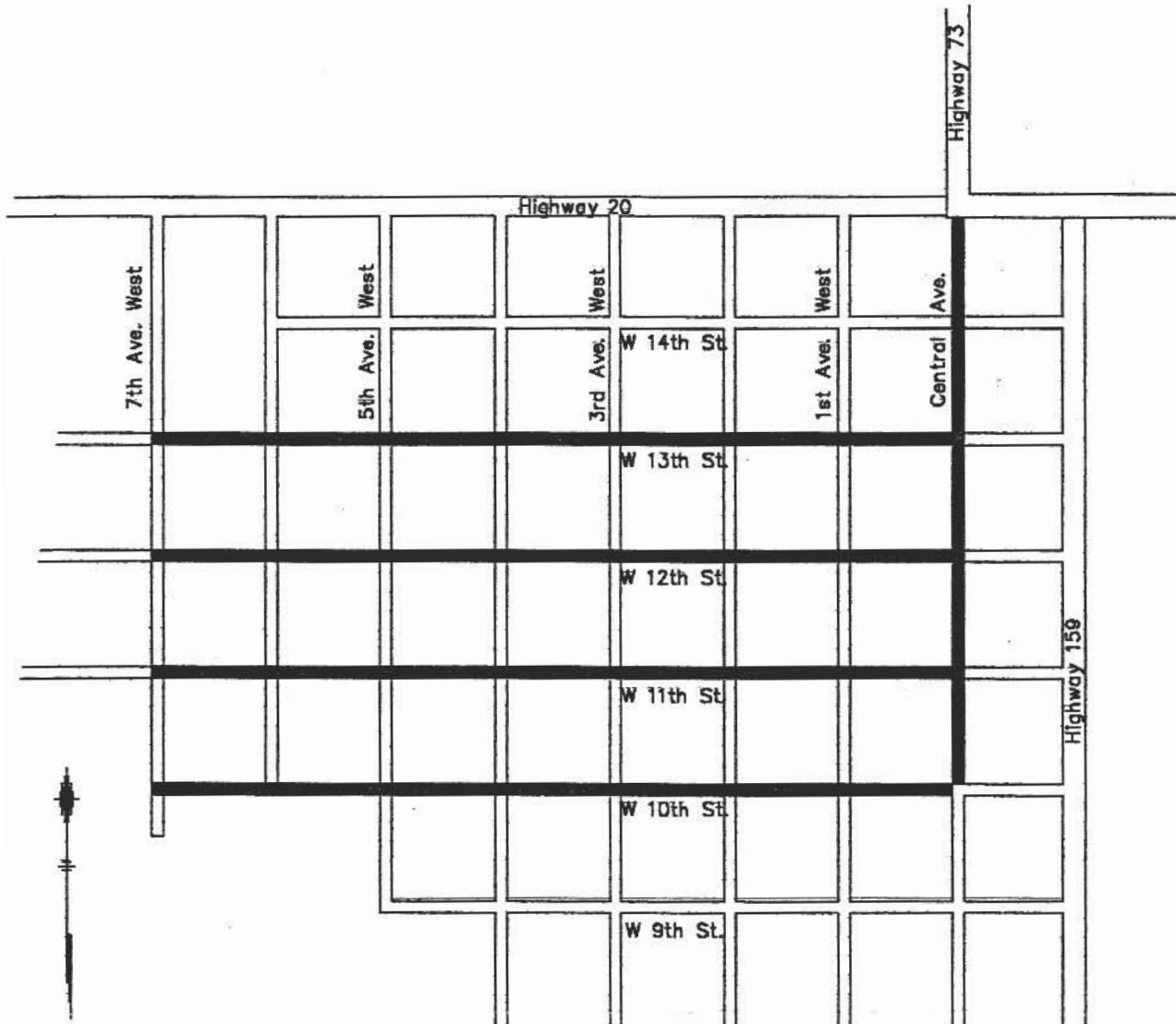
Sincerely,

Levi J. Henry  
City Administrator  
City of Horton

Enclosure

# City of Horton

## Street Improvement Project



NOT TO SCALE

### Proposed Improvements



2007 Street Improvement Project



Five year plan