



November 13, 2012

Public Information Meeting

Drainage Study Review for Old Cheney Road and Salt Creek Near Wilderness Park City No.: 705323

Presented By:



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In 2004, a drainage study of the stream along Old Cheney Road between Warlick Boulevard and Salt Creek was completed to review the flooding along Old Cheney Road. The study determined multiple improvements within the drainage area and the following improvements were made in 2009:

- Two 10-foot diameter culvert pipes were constructed underneath the Burlington Northern Santa Fe Railroad.
- The above ground 48-inch sanitary sewer main conflict was removed from the stream.

Currently, the City of Lincoln has hired Kirkham Michael to update the 2004 drainage study. The following areas have been updated and the following improvements have been identified:

- Existing stream analysis updated to reflect 2009 improvements and stream erosion.
- Drainage inefficiencies, channel erosion and capacity improvements identified for alternatives.
- Four design alternatives are being presented.
- Larger design alternative exhibits are available upon request.

Fact Sheet

Alternative 1:



- No significant improvements to the channel.
- Old Cheney Road would flood from channel overflow at less than a 2-year storm event.

Preliminary construction only cost estimate: \$48,000

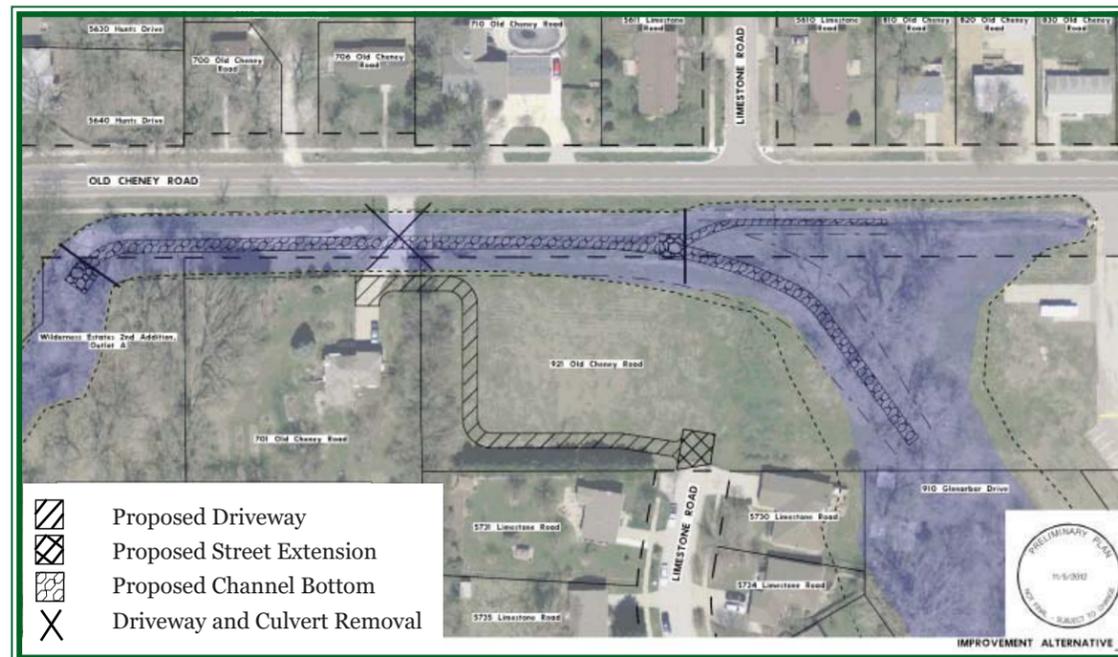
Alternative 2:



- No significant improvements to the channel.
- The existing driveway would be removed and relocated and the culvert would be removed.
- Old Cheney Road would flood from channel overflow at greater than a 4-year storm event.

Preliminary construction only cost estimate: \$84,000

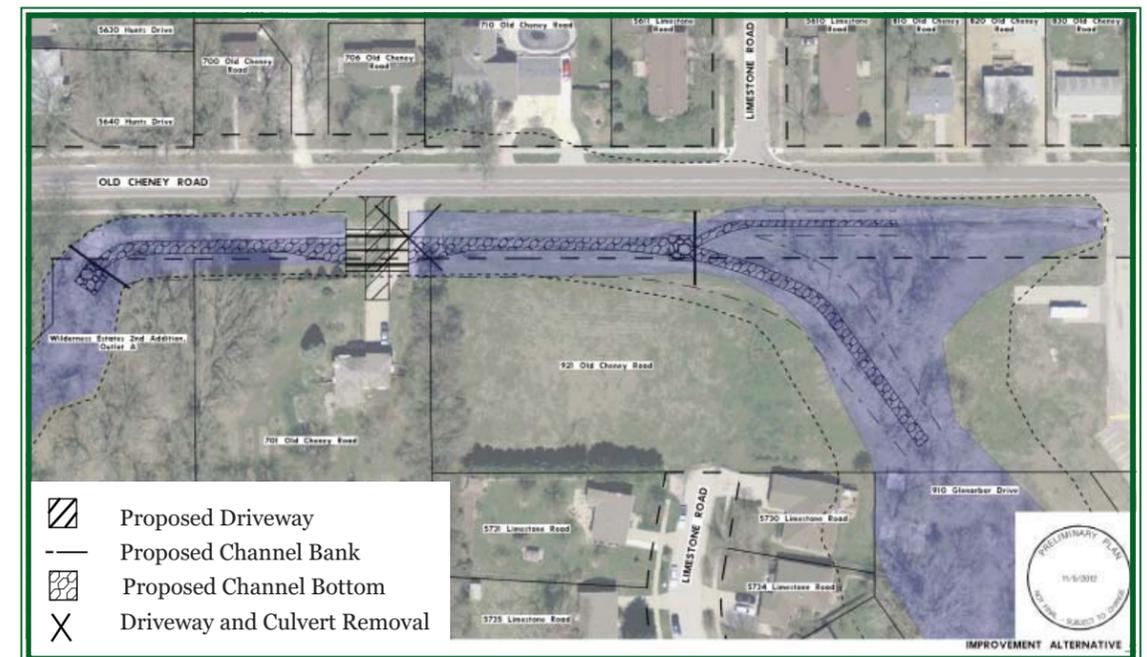
Alternative 3:



- The existing driveway would be removed and relocated and the culvert would be removed.
- The channel along Old Cheney Road would be widened to 10 feet and deepened 2 feet.
- Old Cheney Road would flood from channel overflow at greater than a 25-year storm event.

Preliminary construction only cost estimate: \$124,000

Alternative 4:



- The existing driveway and culvert would be removed and replaced.
- The channel along Old Cheney Road would be widened to 10 feet and deepened 2 feet.
- Old Cheney would flood from channel overflow at greater than a 10-year storm event.

Preliminary construction only cost estimate: \$186,000