

Watertown City Council

Date: January 22, 2019

Agenda Item: 2019 Mill & Overlay**Request for Action:** Discussion and Direction for Shoulder Widening on Newton**Department:** Engineering**Background:**

City Council authorized preparation of plans and specifications for the 2019 Mill & Overlay project, which includes mill and overlay of Newton Ave and widening of the shoulder from the north end of Kings Highland Park to approximately 200 feet north of Aragon Dr to better accommodate pedestrians and bicycles along the corridor. As part of the discussion Council wanted to review the shoulder widening and pedestrian/bicycle locations along the entire corridor prior to final plan completion.

Bolton & Menk gathered topographic survey to help verify potential construction concerns (i.e.: construction limits, existing utilities impacts, tree & landscaping impacts, etc.) and laid out the proposed roadway geometry for three scenarios. All of which would utilize 11-foot-wide thru lanes.

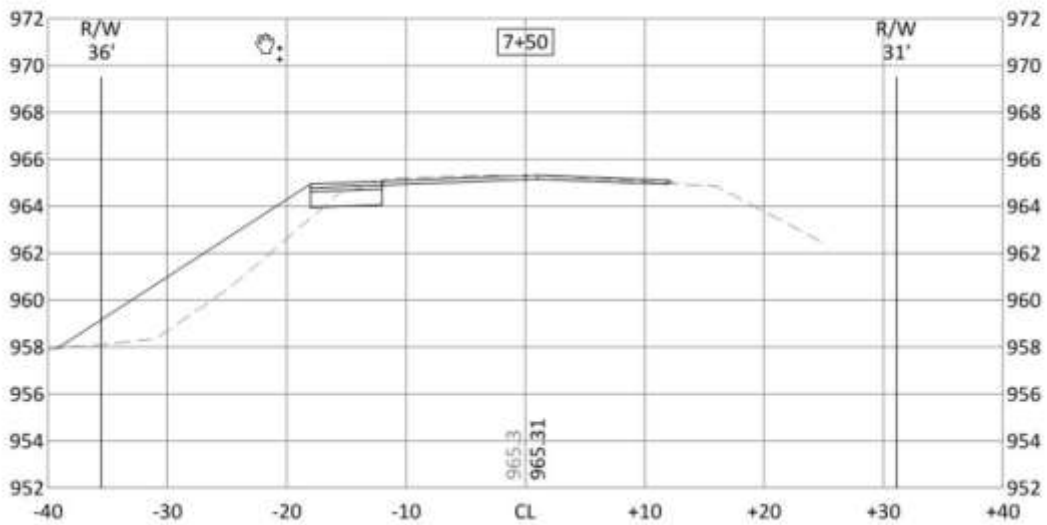
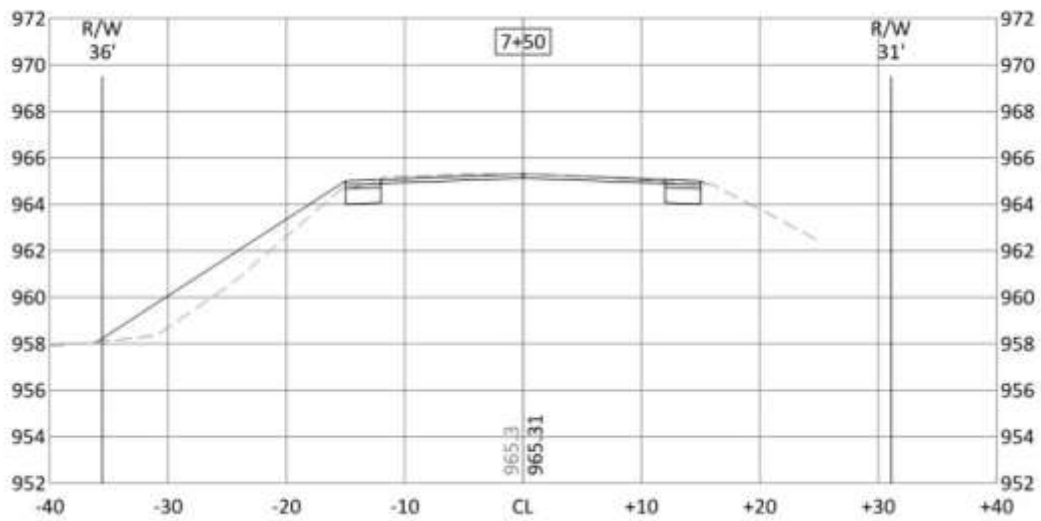
Option 1: Widening three-foot shoulders on both sides which provides four-foot shoulders.

Option 2: Widening six-foot shoulders on the east side and providing an eight-foot shoulder.

Option 3: Widening six-foot shoulders on the west side and providing an eight-foot shoulder.

In laying out the proposed striping, it was identified that the roadway centerline already shifts to the east in the blocks between Stevens Street and County Road 10 to accommodate existing on street parking. Due to this scenario it is not recommended to pursue Option 2: Widening six-foot shoulder on the east side.

In reviewing the construction limits for Option 3: Widening six-foot shoulders on the west side, it was identified that 3:1 slopes tie down outside of the existing right of way and would therefore require a temporary construction easement. This occurs 250' south of Ivanhoe Drive to 100' south of Ivanhoe Drive. The existing slopes are currently steeper than 3:1, however with the intent of accommodating pedestrians and bicycles on the shoulder, a 3:1 slope or flatter is recommended. In addition to a temporary construction easement, it would add construction costs to salvage/reinstall a wood fence, adjust hydrants, clear additional trees, and possibly adjust overhead utility poles. The cross section located 150' south of Ivanhoe Drive for Option 1 and Option 2 can be seen on the following page.



Staff is recommending discussion and direction.

Attachments:

Option 1 Overview Map

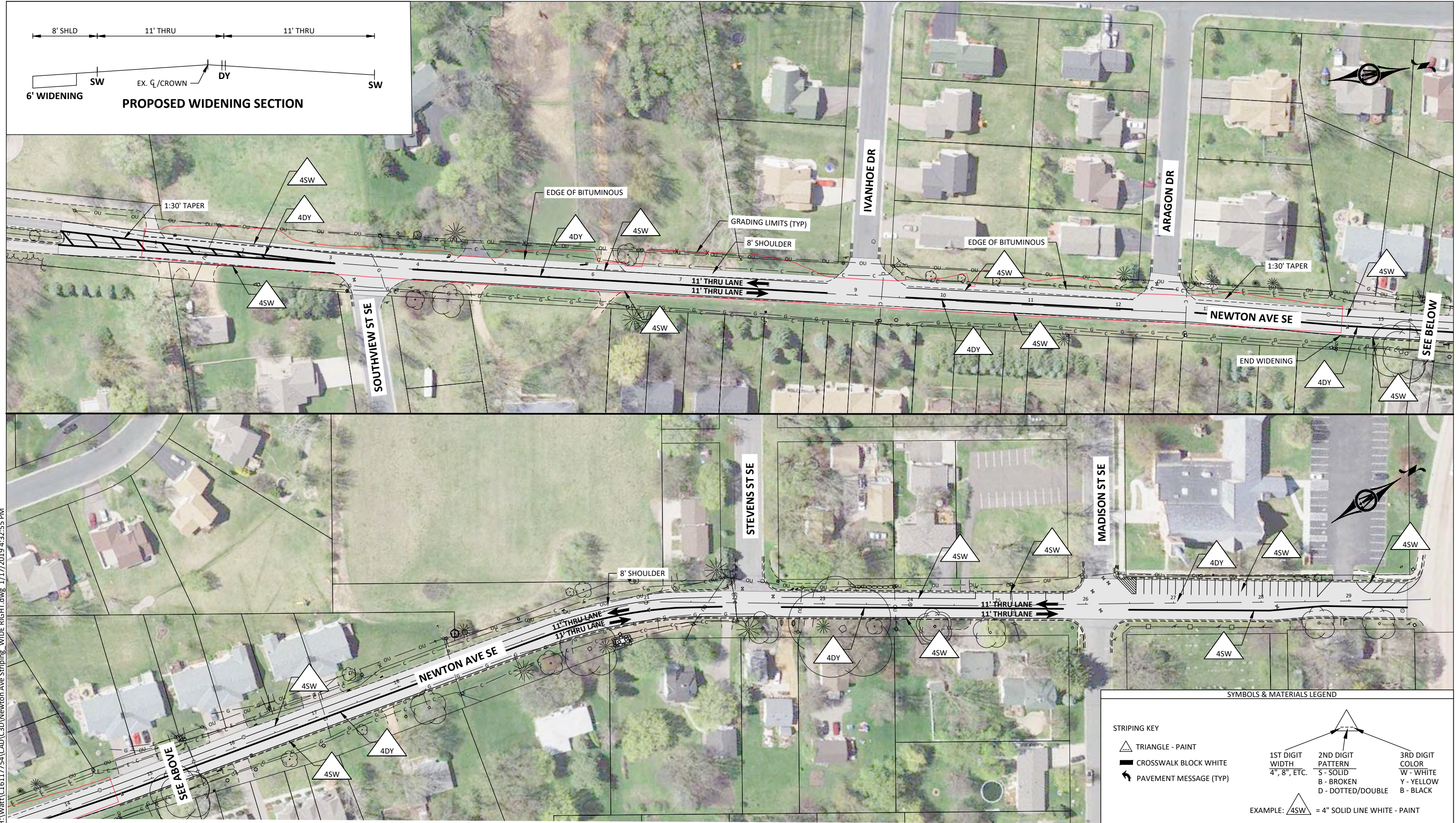
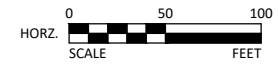
Option 3 Overview Map

Newton Avenue Striping

Watertown, Minnesota

Option 3: Widen 6' on West Side for 8' Shoulder

January 2019



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