

RAVENNA STREET SIDEWALK IMPROVEMENTS

TABLE ONE - RANKING MATRIX FOR RAVENNA STREET FROM SOUTH HAYDEN TO STOW ROAD

| RANKING CATEGORY | Weighting Factor ¹ | ALTERNATIVE NO. 1 (NORTH) | | | ALTERNATIVE NO. 2 (SOUTH) | | |
|---|-------------------------------|--|------------------------|----------------|--|------------------------|----------------|
| | | Comments | Raw Score ¹ | Weighted Score | Comments | Raw Score ¹ | Weighted Score |
| Construction Cost | 5 | Approx. 4,150 feet of new sidewalk. Approx. 2200' of swales/ditch needed. 500' of curb needed. Estimated Construction Cost=\$1,070,950-\$1,175,000 | 3 | 15 | Approx. 4,250 feet of new sidewalk. Approx. 3500' of swales/ditch needed. 750' of curb needed. Estimated Construction Cost =\$1,223,000-\$1,329,250 | 2 | 10 |
| Connectivity | 5 | Connects to existing sidewalk on S. Hayden Parkway. Connects to future sidewalk along west side of Stow Road (to be constructed in 2026). | 4 | 20 | Connection to existing sidewalk and trail on south side of Ravenna Street . | 4 | 20 |
| Safety | 5 | The sidewalk will be on the same side of the road as existing sidewalk on S. Hayden Parkway, therefor pedestrians would not need to cross Ravenna Street to access the new sidewalk. No crosswalk needed to access future sidewalk on along the west side of Stow Road (to be constructed in 2026). Pedestrians will still need to cross Ravenna Street to reach the existing sidewalk and trail on the south side of Ravenna Street The majority of the corridor has a 7'-11' buffer between the sidewalk and Ravenna Street. (Recommended minimum offset is 6') | 4 | 20 | Pedestrians on the north side will need to cross Ravenna Street to reach the new sidewalk. If the sidewalk is placed on the south of Ravenna Street, it connects to the existing sidewalk along the south side of Ravenna Street, however, pedestrians would need to cross Ravenna Street at Stow Road to use future Stow Road sidewalk (Construction in 2026). The majority of the corridor has a 7'-11' buffer between the sidewalk and Ravenna Street. (Recommended minimum offset is 6') | 3 | 15 |
| ROW Impacts - Impacts to Resident Property | 4 | 8 parcels will require a temporary work agreement with residents. | 2 | 8 | 7 parcels will require a temporary work agreement with residents. There is also 155' of <u>permanent</u> Right-of-Way (private property) will need to be purchased for the sidewalk, grading and drainage structures. | 1 | 4 |
| Environmental Impacts - Specifically Wetland, FEMA & Tree Impacts | 4 | Sidewalk will impact 61 sq. ft. of wetland. There are 14 trees (Mostly at City property) that will need removed. 4 Evergreens need pruned. . | 3 | 12 | Sidewalk will impact 963 sq. ft. of wetland. There are 15 trees that will need removed. | 2 | 8 |
| Utility Impacts | 4 | 3 Catch basins need modified Utilities that will need adjusted to grade: 2 gas valves, 1 sanitary manhole rim | 2 | 8 | 13 Power Poles will need removed and reset. 4 Catch basin needs modified. | 1 | 4 |
| Schedule | 3 | No difference in schedule. | 0 | 0 | No difference in schedule. | 0 | 0 |
| TOTAL | | | 83 | | 61 | | |
| OVERALL RANK | | | 1 | | 2 | | |

Notes:

- 1.) Raw score was evaluated on a 1 to 3 scale with "1" being least favorable (or significant concern) and "3" being most favorable (or little to no concern). Alternatives were not ranked relative to one another.
- 2.) Each ranking category was weighted on a 1 to 5 scale with "1" being of lowest importance and "5" being of highest importance.