

Project: Hudson - Stow Rd Sidewalks
 Project #: R240249.00
 Prepared By: JES
 Reviewed By: SEG
 Approved By: ACR
 Date: 10/22/24



Recommendation:

Based on the above evaluation GAI's recommendation is for:

- 5' concrete sidewalk on the west side of Stow Rd - **Alternative No. 1**
- 8' asphalt trail on the west side of Stow Rd - **Alternative No. 2**
- 5' concrete sidewalk on the east side of Stow Rd - **Alternative No. 3**
- 8' asphalt trail on the east side of Stow Rd - **Alternative No. 4**

ALTERNATIVE RANKING MATRIX FOR STOW ROAD SIDEWALK PROJECT: BEGINNING AT RAVENNA ST/STOW RD INTERSECTION, TERMINATING AT SR-303/STOW RD INTERSECTION

| RANKING CATEGORY | Weighting Factor ¹ | ALTERNATIVE NO. 1: 5' SIDEWALK - WEST | | | ALTERNATIVE NO. 2: 8' TRAIL - WEST | | | ALTERNATIVE NO. 3: 5' SIDEWALK - EAST | | | ALTERNATIVE NO. 4: 8' TRAIL - EAST | | |
|--|-------------------------------|---|------|----------------|---|------|----------------|---|------|----------------|---|------|----------------|
| | | Comments | Rank | Weighted Score | Comments | Rank | Weighted Score | Comments | Rank | Weighted Score | Comments | Rank | Weighted Score |
| Connectivity | 5 | 62 homes are located within a 1/4 mile corridor to the west. Refer to exhibit for more detail. | 3 | 15 | 62 homes are located within a 1/4 mile corridor to the west. Refer to exhibit for more detail. | 3 | 15 | 65 homes are located within a 1/4 mile corridor to the west. Refer to exhibit for more detail. | 4 | 20 | 65 homes are located within a 1/4 mile corridor to the west. Refer to exhibit for more detail. | 4 | 20 |
| Construction Cost | 5 | Least expensive Major costs: Concrete, storm sewers, temp. ROW | 4 | 20 | 2nd Most Expensive Major costs: Asphalt, storm sewers, temp. ROW, permanent ROW, structural BMPs | 2 | 10 | 2nd Least Expensive Major costs: Concrete, storm sewers, temp. ROW | 3 | 15 | Most Expensive Major costs: Asphalt, storm sewers, temp. ROW, permanent ROW, structural BMPs | 1 | 5 |
| Maintenance Cost | 5 | Design life~25-30 years | 4 | 20 | Design life~15-20 years | 3 | 15 | Design life~25-30 years | 4 | 20 | Design life~15-20 years | 3 | 15 |
| Estimated ROW Impacts | 5 | Temp. ROW: 24 parcels, 1.00 acre affected Perm. ROW: 1 parcel, 0.01 acre affected | 4 | 20 | Temp. ROW: 24 parcels, 1.00 acre affected Perm. ROW: 2 parcels, 0.02 acre affected May require additional ROW for structural BMPs | 2 | 10 | Temp. ROW: 23 parcels, 1.20 acres affected Perm. ROW: 1 parcels, 0.01 acres affected | 4 | 20 | Temp. ROW: 23 parcels, 1.32 acres affected Perm. ROW: 6 parcels, 0.05 acres affected May require additional ROW for structural BMPs | 1 | 5 |
| Safety | 5 | One road crossing: Canterbury Ln | 4 | 20 | One road crossing: Canterbury Ln | 4 | 20 | Two road crossings: Canterbury Ln, Ravenna St | 2 | 10 | Two road crossings: Canterbury Ln, Ravenna St | 2 | 10 |
| Utility Impact | 5 | Pole relocation - min. 3 poles, Possible gas line relocation - approx. 3,000 LF | 4 | 20 | Pole relocation - min. 3 poles, Possible gas line relocation - approx. 3,000 LF | 3 | 15 | Pole relocation - up to 15 poles Possible gas line relocation - approx. 3,300 LF Possible impacts to fiber optic line | 2 | 10 | Pole relocation - up to 28 poles Possible gas line relocation - approx. 3,300 LF Possible impacts to fiber optic line | 1 | 5 |
| Storm Water Quality | 4 | BMP requirements can likely be achieved using non-structural means. | 4 | 16 | Likely to require structural BMPs | 1 | 4 | BMP requirements can likely be achieved using non-structural means. | 3 | 12 | Likely to require structural BMPs | 2 | 8 |
| Schedule (Utility Relocation and Construction) | 3 | Similar construction timeframes, least utility coordination anticipated | 4 | 12 | Similar construction timeframes, 2nd least utility coordination anticipated | 3 | 9 | Similar construction timeframes, more utility coordination anticipated | 2 | 6 | Similar construction timeframes, significant utility coordination anticipated (most) | 1 | 3 |
| Wetland Impacts | 2 | No wetland impacts are anticipated in any Alternative. All items are scored evenly to account for this. | 4 | 8 | No wetland impacts are anticipated in any Alternative. All items are scored evenly to account for this. | 4 | 8 | No wetland impacts are anticipated in any Alternative. All items are scored evenly to account for this. | 4 | 8 | No wetland impacts are anticipated in any Alternative. All items are scored evenly to account for this. | 4 | 8 |
| TOTAL WEIGHTED SCORE | | | | 151 | | | 106 | | | 121 | | | 79 |