

SR 303 AND STOW RD SIDEWALK IMPROVEMENTS / STOW RD TO STONE RD SIDEWALK IMPROVEMENTS
TABLE ONE - ALTERNATIVE RANKING MATRIX FOR SR 303 FROM HAYDEN PKWY TO STOW RD

RANKING CATEGORY	Weighting Factor ¹	ALTERNATIVE NO. 1A (NORTH)			ALTERNATIVE NO. 1B (SOUTH)		
		Comments	Raw Score ¹	Weighted Score	Comments	Raw Score ¹	Weighted Score
Construction Cost	5	School speed limit sign will have to be moved. There is a section of an existing brick sidewalk that will need removed. 100' of handrail needed. 150' of swales needed. 1105' of curb needed. A 250' retaining wall is needed.	1	5	Lower costs by connecting to 300' of existing sidewalk. 50' ditch needed. 500' of curb needed.	3	15
Connectivity	3	Connects to Pinebrook Subdivision (28 households) Cohasset Drive (24 households), and Wellgate Drive (10 households).	2	6	Connects to Elmcrest Subdivision (37 households) and Canterbury on the Lake (51 households). Connects to existing sidewalk on south side of SR303 near Hayden Parkway.	3	9
Safety	5	Crosswalk needed to connect to existing sidewalk on south side of SR 303. If Stow Rd sidewalk is on the east side there would need to be a crosswalk across Stow Rd.	2	10	Would need to cross the road to reach Stow Rd sidewalk.	3	15
ROW Impacts - Impacts to Residents	5	There is 200' of grading beyond the roadway which will require a work agreement with residents. There are 8 private brick columns which encroach on the ROW and will need removed. There is 120' of private fence with a brick base that encroaches on the ROW and will need removed. There is 405' of private fence that enroaches on the ROW and will need removed.	1	5	There is 150' of grading beyond the roadway which will require a work agreement with residents.	2	10
Environmental Impacts - Specifically Wetland and Tree Impacts	4	Sidewalk will encounter 135 sq. ft. of wetland. There are 18 trees that would need removed.	2	8	No wetlands or tree removals.	3	12
Utility Impacts	4	Utilities that will need relocated: school speed limit sign, 2 utility poles, and 3 catch basins.	2	8	Utilities that will need relocated: 5 catch basins, 3 utility poles, and 1 utility pole with a light.	2	8
Schedule	3	No difference in schedule.	0	0	No difference in schedule.	0	0
TOTAL			42			69	
OVERALL RANK			2			1	

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.

SR 303 AND STOW RD SIDEWALK IMPROVEMENTS / STOW RD TO STONE RD SIDEWALK IMPROVEMENTS
TABLE TWO - ALTERNATIVE RANKING MATRIX FOR STOW RD FROM SR 303 TO HUDSON SPRINGS PARK

RANKING CATEGORY	Weighting Factor ¹	ALTERNATIVE NO. 2A (WEST)			ALTERNATIVE NO. 2B (EAST)		
		Comments	Raw Score ¹	Weighted Score	Comments	Raw Score ¹	Weighted Score
Construction Cost	5	300' of swale needed. 450' of curb needed. 400' of handrail is needed. A 50' retaining wall is needed.	2	10	Lower construction costs by using existing 573' of sidewalk in front of Seton Catholic School. Goes through concrete slope protection near STA 432+50. 300' of swale needed. 1200' of curb needed.	2	10
Connectivity	3	Connects to Joslyn Ln (4 households), Red Coach Ln (6 households), and Bicentennial Woods Trail.	1	3	Connects to Hudson Springs Park and Deer Hollow Estates (72 households) which connects to East Hudson Hills on the north side of SR 303. Connects to Seton Catholic School.	3	9
Safety	5	Would need a mid block crossing to reach Hudson Springs Park which is less desirable than a signalized crossing at an intersection. Would need to cross the road to reach sidewalk on south side of SR 303.	2	10	Would need to cross the road to reach sidewalk on south side of SR 303.	3	15
ROW Impacts - Impacts to Residents	5	Paces through private wooden bridge to mailbox near STA 307+00. Will need to purchase 300' of ROW. There is 550' of grading past the ROW that will need acquired in a work agreement.	2	10	Will need to purchase 300' of ROW. There is 650' of grading past the ROW that will need acquired in a work agreement.	2	10
Environmental Impacts - Specifically Wetland and Tree Impacts	4	Sidwalk will come in contact with no wetlands and require no tree removals.	3	12	Sidewalk will encounter 100 sq. ft. of wetland. There are 5 trees that will need removed.	2	8
Utility Impacts	4	Utilites that will need relocated: 9 utility poles, traffic box, communication cabinet, 5 catch basins, and 2 sanitary manholes.	1	4	Utilites that will need relocated: 2 utility poles, school speed limit sign, 4 catch basins, and a storm manhole.	2	8
Schedule	3	Will need to wait for the relocation of the 18 utilites listed above which includes 9 utility poles.	2	6	Will need to wait for the relocation of the 8 utilities listed above.	2	6
TOTAL			55		66		
OVERALL RANK			2		1		

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.

SR 303 AND STOW RD SIDEWALK IMPROVEMENTS / STOW RD TO STONE RD SIDEWALK IMPROVEMENTS
TABLE THREE - ALTERNATIVE RANKING MATRIX FOR SR 303 FROM STOW RD TO STONE RD

RANKING CATEGORY	Weighting Factor ¹	ALTERNATIVE NO. 3A (NORTH)			ALTERNATIVE NO. 3B (SOUTH)		
		Comments	Raw Score ¹	Weighted Score	Comments	Raw Score ¹	Weighted Score
Construction Cost	5	Welcome to Hudson sign will need moved. 200' of sidewalk near cemetery with large hill. Will need a 150' retaining wall. 1,230' of curb needed. 955' of swale needed. 350' of handrail needed.	1	5	Lower costs by using 335' of existing sidewalk in front of Canterbury on the Lakes subdivision. Will need 100' of retaining walls. 960' of curb needed. 1,195' of swale needed. 200' of handrail needed.	2	10
Connectivity	3	Connects to East Hudson Hills (72 households) which connects to Deer Hollow on the east side of Stow Rd. Connects to St. Andrews Commons (75 households) and Last Valley Ln (5 households).	2	6	Connects to Canterbury on the Lakes (216 households) and Mills Meadows (13 households).	3	9
Safety	5	No difference in safety.	0	0	No difference in safety.	0	0
ROW Impacts - Impacts to Residents	5	There is 400' of grading beyond the ROW which will need to be aquired in a work agreement. Would need to purchahse permanent ROW near the cemetary for the retaining wall on the cemetary propety.	1	5	There is 400' of grading beyond the ROW which will need to be aquired in a work agreement.	2	10
Environmental Impacts - Specifically Wetland and Tree Impacts	4	Sidewalk will encounter a total of 90 sq. ft. of wetland. There are 4 trees that will need removed.	2	8	Sidewalk passes through 372 sq. ft. of wetland. There are 10 trees that will need removed.	2	8
Utility Impacts	4	Utilites that will need relocated: electric box,4 catch basins, 2 utility poles, 3 sanitary manholes.	2	8	Utilites that will need relocated: electric box, traffic box, 2 fire hydrants, utility pole, utility pole with light, and 2 catch basins.	2	8
Schedule	3	No difference in schedule.	0	0	No difference in schedule.	0	0
TOTAL			32		45		
OVERALL RANK			2		1		

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.