




SW Denney Road - SW 105th Ave to Scholls Ferry Rd

Alternatives Analysis Matrix

November 9, 2023

  	Alternative 1 3-Lane City Standard Section	Alternative 2 3-Lane & 2-Lane Combination City Standard Section	Alternative 3 3-Lane & 2-Lane Combination with North Side Shared-Use Path	Preferred Alternative 3-Lane & 2-Lane Combination City Standard Section with Shared-Use Path
EVALUATION CRITERIA				
Total Additional Right of Way Required*	16,606 SF	13,390 SF	10,693 SF	13,640 SF
Number of Properties Requiring ROW Acquisition*	21	17	16	15
Total Trees Impacted	65	53	63	36
Total Significant Grove Trees Impacted	11	6	6	2
Eastbound Left Turn Lane at 104th Ave and Oakwood Dr	Yes	Yes	Yes	Yes
Eastbound Left Turn Lane at Scholls Ferry Rd Signalized Intersection Meeting 2045 turn lane storage of 250'	Yes	No, Provides 150' of Storage	No, Provides 150' of Storage	Yes
Design Exceptions/Design Variance	Curb tight sidewalk	Curb tight sidewalk	No on-street bike lane Curb tight sidewalk	Design speed, curb tight sidewalk, minimum sidewalk/planter width, curb return radii, ramp configuration
Natural Resource (Wetlands and Buffers) Impacts	No Impacts	No Impacts	No Impacts	No impacts
Opportunity for Stormwater Planters	Limited space to meet standards	Adequate space to meet standards	Adequate space to meet standards	Adequate space to meet standards
Location of Existing Utilities	Sanitary, storm, and water generally within new roadway (curb to curb).	Sanitary, storm, and water under new curb and landscape strip.	Sanitary, storm, and water under new curb and landscape strip.	Sanitary, storm, and water under new curb and landscape strip.
Overhead Utility Impacts	Requires Utility Pole Relocation	Requires Utility Pole Relocation	Requires Utility Pole Relocation	Requires Utility Pole Relocation
Enhanced Pedestrian Crossing	Yes; RRFB at SW 103rd Ave	Yes; RRFB at SW 103rd Ave	Yes; RRFB at SW 103rd Ave	Yes; RRFB at SW 103rd Ave
Potential Refinements	Buffered Bike Lanes Segments of Curb Tight Sidewalk On-Street Parking with Additional Widening	Buffered Bike Lanes Segments of Curb Tight Sidewalk On-Street Parking with Additional Widening	Buffered Bike Lanes (South Side) Segments of Curb Tight Sidewalk On-Street On-Parking with Additional Widening	
* Permanent ROW only. Does not include temporary easements				