

Barlow Road Corridor - Texex Road to Darrow Road (SR 91)
Alternate Summary
2/17/2016

Alternate	Description	Construction Cost	Lane Width	Shoulder Width	Total Pavement Width	Total Pavement Widening	Geometry	Drainage	Impacts
Existing			9' +/-	0'	18'-19'	N/A	Substandard crest and sag curves cross slope varies	Shallow swales with intermittent shallow drainage system	N/A
1	Minimal widening with a 3" asphalt overlay. Rural section with ditches and no curbing	\$2.9 million*	11'	0.5'	23'	3'	Perpetuate Existing	Perpetuate the existing drainage conditions	Moderate impacts. Temporary easements required for grading. Only permanent R/W anticipated is the corner properties at SR 91 and Barlow. Anticipated parcels affected - 35 Anticipated trees removed - 100-125
1A	Minimal widening with full depth pavement reclamation and minor vertical geometry corrections. Rural section with ditches and no curbing.	\$2.9 million*	11'	0.5'	23'	3'	Minor Improvements to correct vertical geometry and correct cross slope	Perpetuate the existing drainage conditions	Moderate impacts. Temporary easements required for grading. Only permanent R/W anticipated is the corner properties at SR 91 and Barlow. Anticipated parcels affected - 35 Anticipated trees removed - 100-125
1B	Minimal widening with full depth pavement reclamation and minor vertical geometry corrections. Rural section with ditches and no curbing.	\$2.1 million*	11'	0.5'	23'	3'	No Improvements to correct vertical geometry or cross slope	Perpetuate the existing drainage conditions	Moderate impacts. Temporary easements required for grading. Only permanent R/W anticipated is the corner properties at SR 91 and Barlow. Anticipated parcels affected - 35 Anticipated trees removed - 100-125
2	Minor widening with geometry correction. Rural section with ditches and no curbing.	\$4.0 million*	11'	1.5'	25'	5'	The majority of the vertical and horizontal curves are brought to current standards and correct cross slope.	Relocate and regrade ditches on both sides of Barlow Road. Installation of a new storm sewer is required	More extensive impacts than Alternate 1 and 1A but still only require temporary easements for grading. Only permanent R/W anticipated is the corner properties at SR 91 and Barlow. Anticipated parcels affected - 51 Anticipated trees removed - 160-185
3	Moderate widening with geometry correction. Rural section with ditches and no curbing.	\$4.1 million*	12'	1.5'	27'	7'	The majority of the vertical and horizontal curves are brought to current standards and correct cross slope.	Relocate, regrade, and widen ditches on both sides of Barlow Road. Installation of a new storm sewer	Permanent R/W anticipated for a large portion of the northern side of Barlow Road to install pedestrian path and widen the ditch. Anticipated parcels affected - 76 Anticipated trees removed - 225-250
4	Full depth reconstruction. Urban section with curbing and storm sewer.	\$5.7 million*	12'	1'	26'	4'	The entire roadway is brought up to current design standards	Ditch removal and installation of a new storm sewer	Moderate impacts. Temporary easements required for grading. Only permanent R/W anticipated is the corner properties at SR 91 and Barlow. Anticipated parcels affected - 35 Anticipated trees removed - 100-125

* Included in construction estimates

Additional Costs	
7' Path from Ellsworth Meadows to the Bike & Hike Trail	\$140,000 *
5' Walk from Ellsworth Meadows to SR 91	\$160,000 *
Bioretention Cell	\$10,000 *
Railroad Grade Correction	\$250,000 *
Terex and Barlow Intersection Improvements	\$350,000
Barlow and Terex Traffic Signal	\$150,000
Railroad Crossing Gates	\$250,000
10' Path from Ellsworth to Bike and Hike Trail	\$540,000