

PRELIMINARY ALTERNATIVE EVALUATION

CRITERIA	UTILITY IMPACTS	MAINTENANCE OF TRAFFIC	GEOTECHNICAL CONSIDERATIONS	ACCESS IMPLICATIONS	WATER QUALITY / HYDROLOGICAL IMPACTS	WETLANDS IMPACTS	RELOCATION IMPACTS	COMMUNITY SERVICES	RIGHT-OF-WAY IMPACTS	CONSTRUCTION COST
ALTERNATIVE 1	Several Utility Impacts anticipated to existing electrical, water, sewer, signals, and fiber optic facilities.	No significant Maintenance of Traffic problems anticipated during construction.	Some hydric soils (unsuitable) are likely to be encountered along the west side of the road just north of the Sebastian River High School and along both the east and west sides south of 87 Street. Significant amounts of hydric soils are also present east of the Treasure Coast Elementary to approximately 66 Avenue.	Generally would cause only temporary minor disruptions during construction and no permanent access disruptions. However, it would impact internal circulation access of a potential future residential development abutting CR 510 across from the Treasure Coast Elementary School.	Generally features a modest amount of impervious area except in the area east of the Treasure Coast Elementary School to 66 Avenue. Some turbidity might be present in the vicinity of the Lateral "D" and Lateral "L" Canals during construction, however, these impacts will be temporary. In general, this project will be an improvement since currently there is no treatment and the replacement of existing culverts to bridges will provide an additional benefit.	Minor potential wetland impacts along the east side of CR 510 and north of Mako Way. It will also impact an existing freshwater pond across from the Treasure Coast Elementary School. In addition, this alternative would impact some wetlands in the vicinity of the Lateral "L" Canal crossing area and the South Prong Slough.	One potential residential relocation within the Hill Side Subdivision.	Generally no major impacts are anticipated, however one recently constructed bus stop shelter in front of the Sebastian River High School would need to be replaced.	Right-of-way impacts estimated at approximately 50.52 acres.	Construction cost estimated at approximately \$103 million.
ALTERNATIVE 2	Generally similar to Alternative 1 but with potentially greater impacts to existing transmission poles along the south side of CR 510 east of the Treasure Coast Elementary School to 66 Ave.	Generally similar to Alternative 1.	Generally similar to Alternative 1 but higher impacts within the area east of the Treasure Coast Elementary School to 66 Avenue due to the wider typical section footprint within this area.	Generally similar to Alternative 1.	Generally similar to Alternative 1 but with slightly higher impervious area.	Generally similar to Alternative 1 but with slightly higher impervious area within the project segment east of the Treasure Coast Elementary School to 66 Avenue.	Two potential residential relocations within the Hill Side Subdivision and one potential business relocation.	Generally similar to Alternative 1 but slightly greater impact to the internal circulation of the RCMA Day Care Center.	Right-of-way impacts are estimated at approximately 54.24 acres with a greater number of parcels impacted.	Construction cost estimated at approximately \$95 million.