

Table 2-1. Design Changes Summary Table

Segment	Design Element	2016 Permit	2020 Permit Application
Acreage Reliever Road 2 to 4 lanes	Median width	40 - 42 ft	No change
	Sidewalk/Bike Lanes	Two 6' sidewalks and two 6' bike lanes	No change
	Drainage	Stormwater collected in swales with discharge to Joint Use Pond	No change
	FEMA Floodplain Encroachment	Zone B, no issue	North of 40th St N Changed to Zone AE in 2017. However existing road is above floodplain. No encroachment.
	Wetland Impacts	N/A	N/A
SR 7 Extension, new road construction from 60 th St to south of M Canal	Median width	22 ft	15.5 ft
	Sidewalk/Bike Lanes	Two 6' sidewalks and two 6' bike lanes	One 12' shared use path on south side of road
	Drainage	Open ditch on south side of road	Stormwater runoff is collected and piped to Acreage Reliever Road system and discharged into Joint Use Pond, reduced wetland impacts by 5 acres
	FEMA Floodplain Encroachment	Zone B, no issue	Changed to Zone AE in 2017. Updated Floodplain maps show encroachment. Mitigation provided using rock trench.
	Wetland Impacts	20.74 acres	15.67 acres
M Canal Bridge	Sidewalk/Bike Lanes	Two 6' sidewalks and two 6' bike lanes	One 12' shared use path on east side of bridge
SR 7 Extension, new road construction from north of M Canal to Northlake Blvd	Median width	22 ft	15.5 ft
	Sidewalk/Bike Lanes	Two 6' sidewalks and two 6' bike lanes	One 12' shared use path on east side of road
	Retaining Wall	Used in limited areas	Limits extended to further optimize capacity of conveyance channel, increase stabilization and reduce wetland impacts

	Drainage	Stormwater runoff collected and treated in roadside swale, ultimate discharge to Ibis Lakes system	Relocate discharge from Ibis Lakes System to north of Northlake Blvd. Added conveyance channel as part of treatment train. Added sheet pile to stabilize the conveyance channel and reduce wetland impacts
	FEMA Floodplain Encroachment	Zone B, no issue	Changed to Zone AE in 2017. Updated Floodplain maps show minor encroachment. Mitigation provided by scrapping down a small area of uplands.
	Wetland Impacts	39.47 acres	41.37 acres (increased due to impacts from conveyance channel)
	Spillway Bridge	3-span bridge with 2 rows of piles in spillway	1-span bridge with no piles in spillway
		No temporary bridge considered in permit	Include temporary bridge for construction purposes. Temporary bridge will have temporary impacts to 0.21 acres of wetlands, wetlands will be restored.