

APPENDIX K
Hydrology and Hydraulics Figures

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Dallas Floodway EIS Alt. 1 vs Existing
Trinity River Main Stem

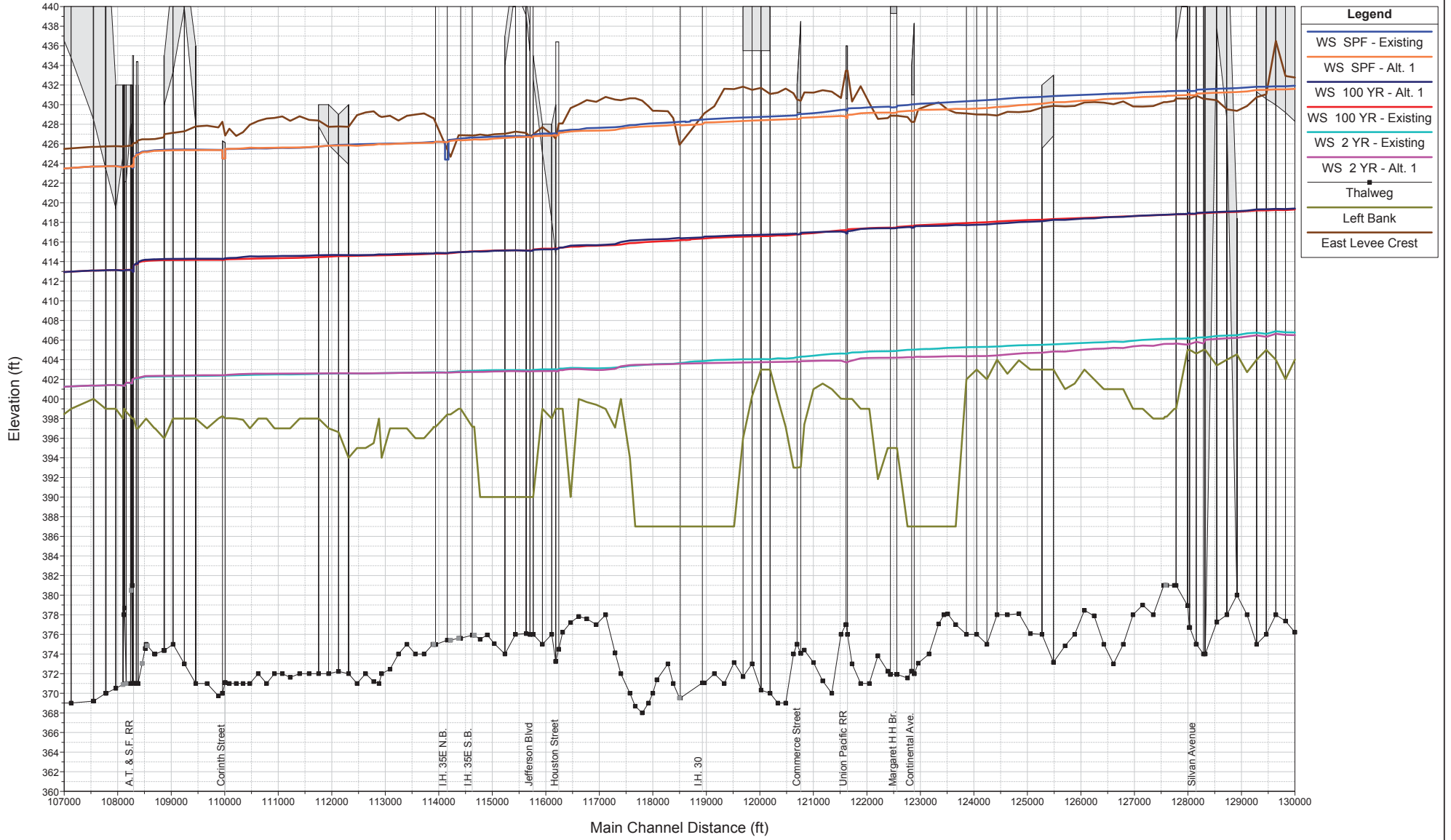


Figure 1

Dallas Floodway EIS Alt. 1 vs Existing
Trinity River Main Stem

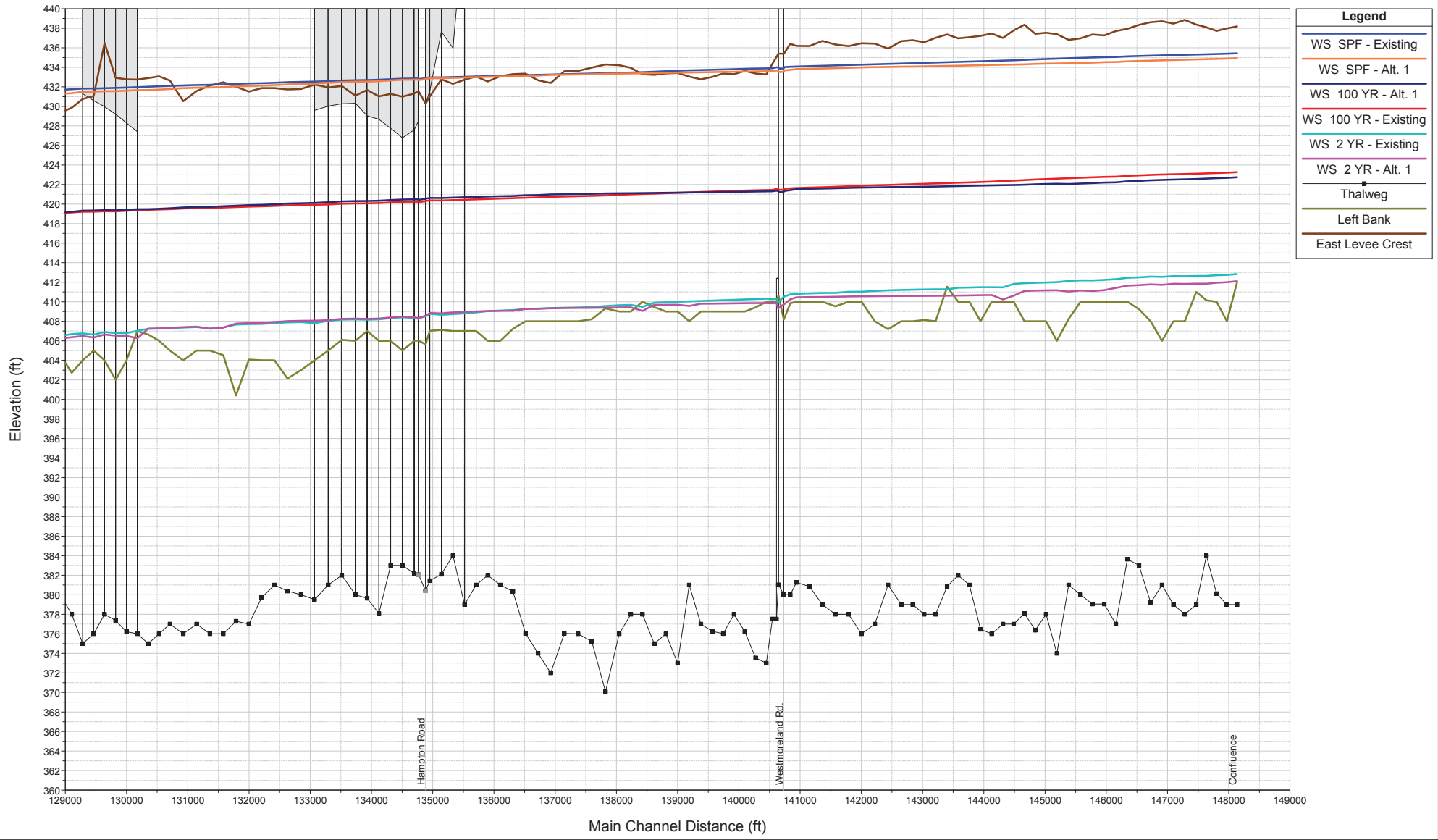


Figure 2

Dallas Floodway EIS Alt. 1 vs Existing
Trinity River Main Stem

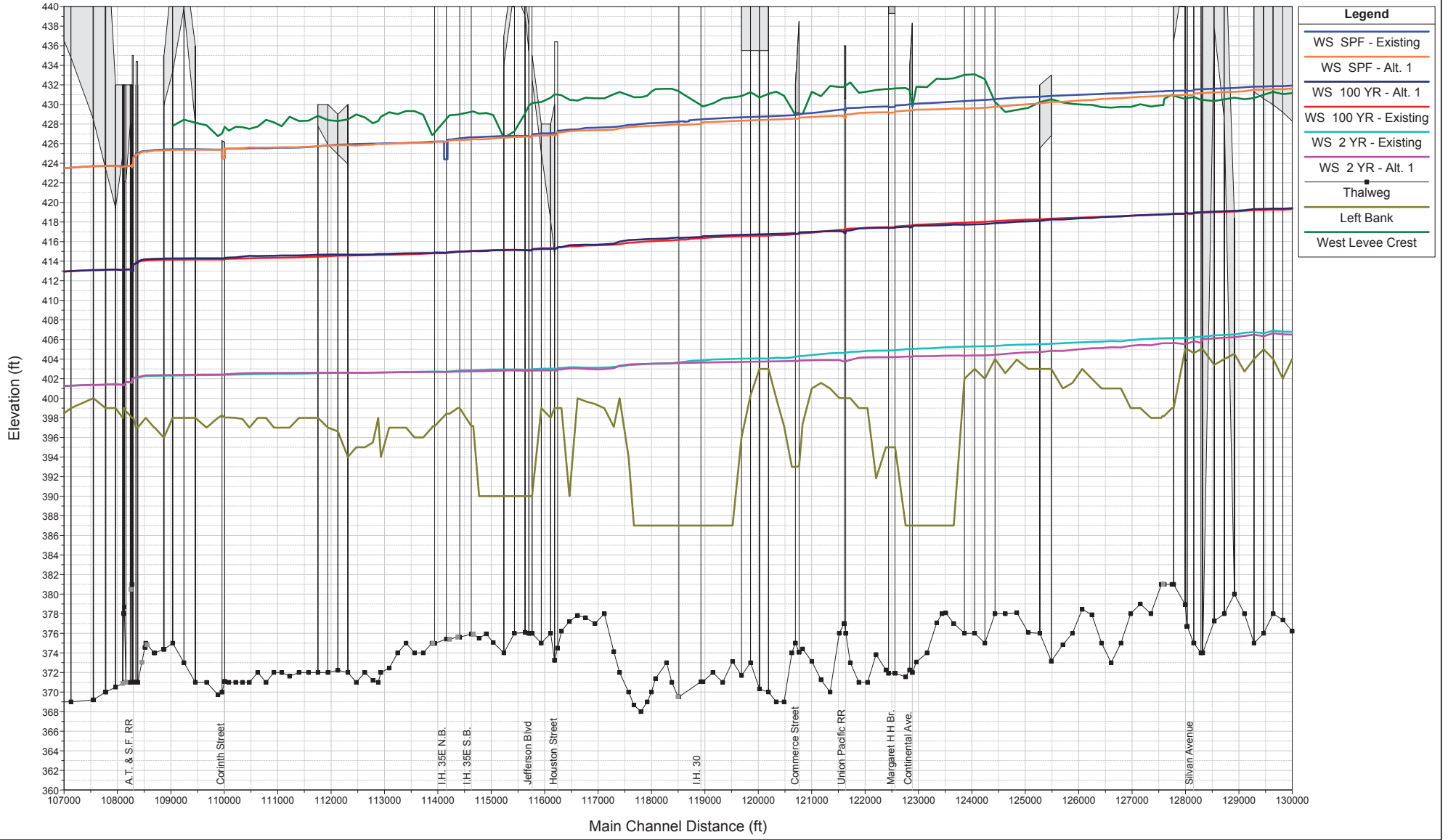


Figure 3

Dallas Floodway EIS Alt. 1 vs Existing
Trinity River Main Stem

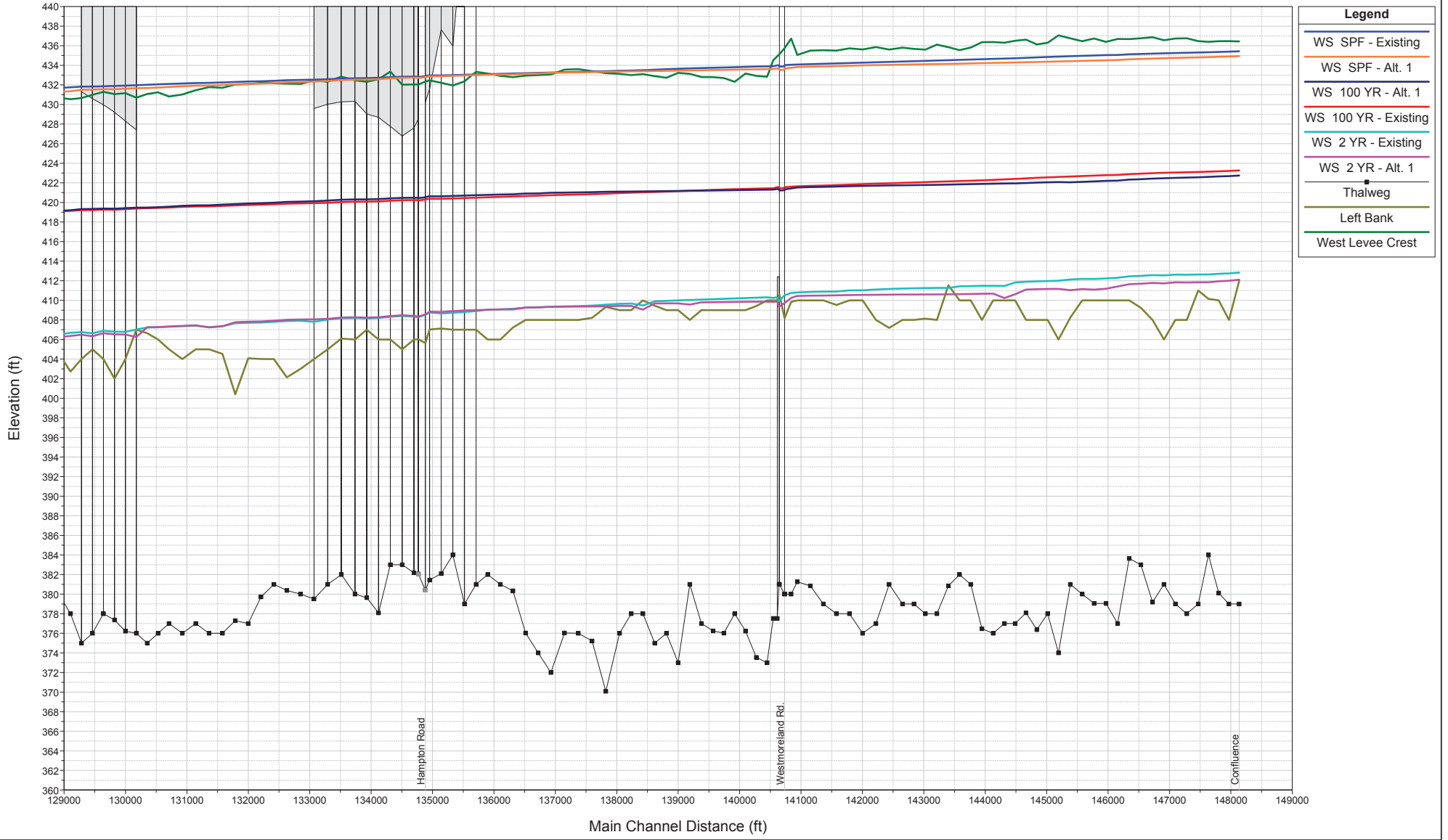


Figure 4

Dallas Floodway EIS Alt. 1 vs Existing
Elm Fork Trinity River

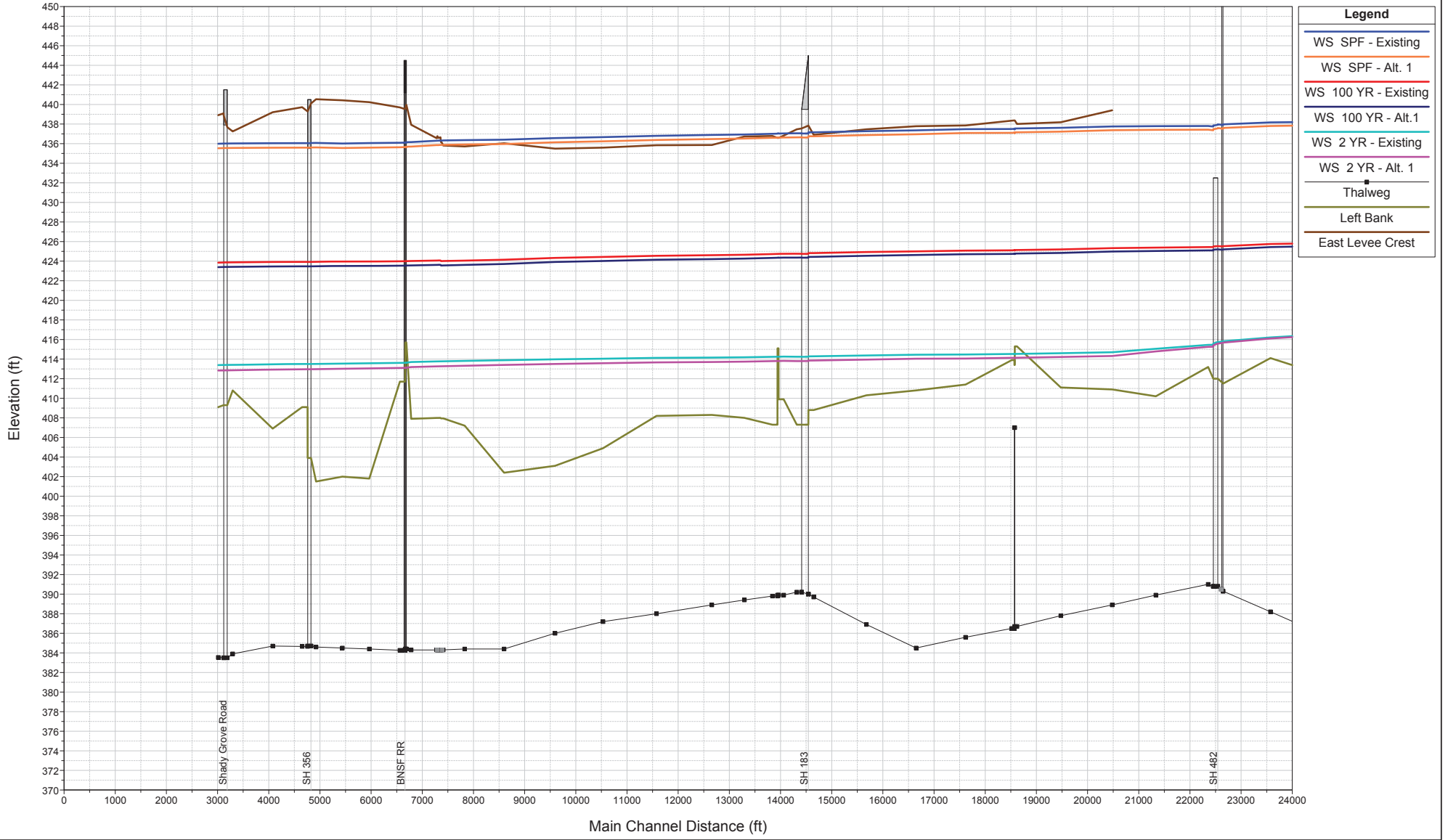


Figure 5

Dallas Floodway EIS Alt. 1 vs Existing
West Fork Trinity River

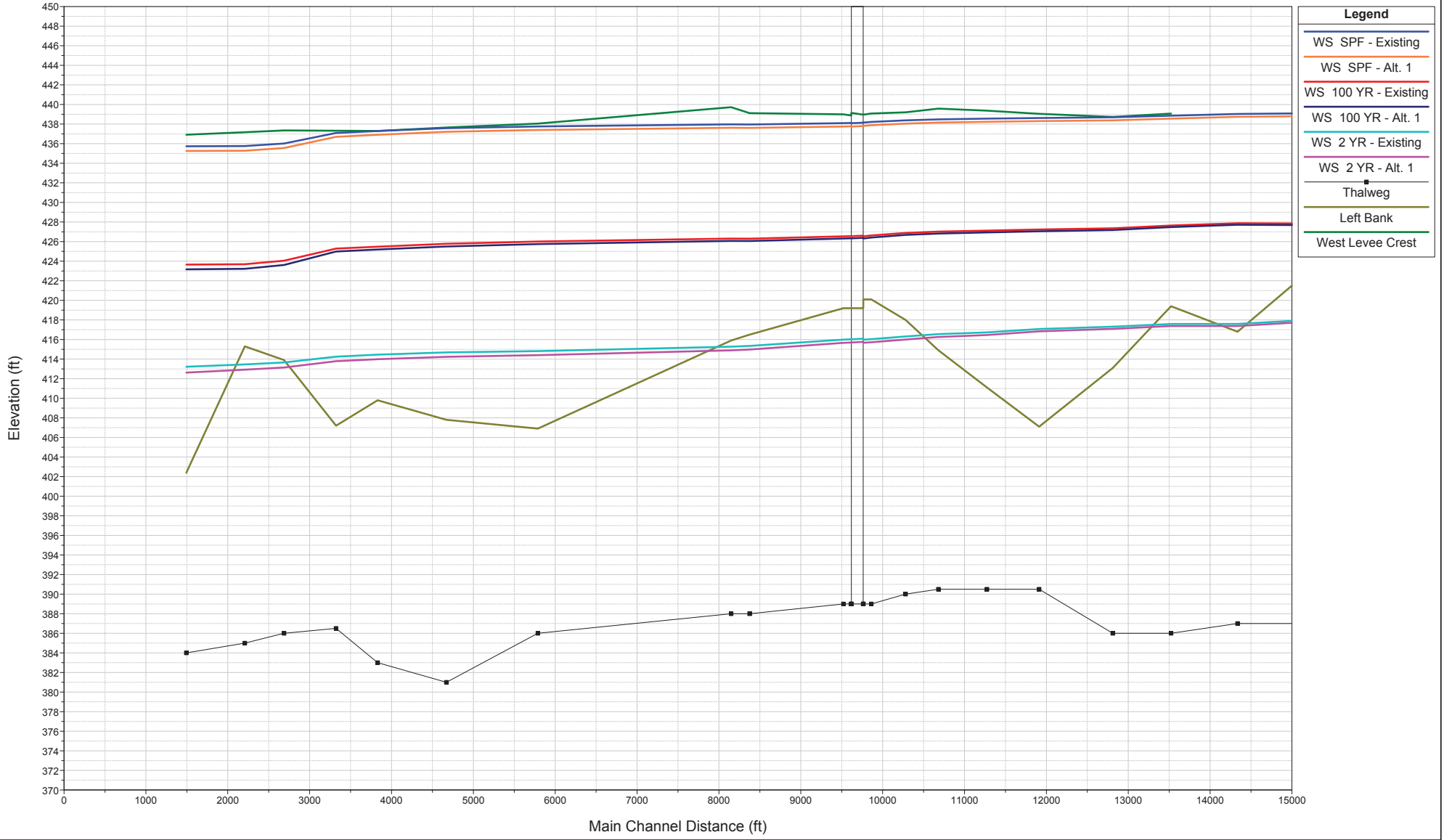


Figure 6

Dallas Floodway EIS Alt. 2 (Design Anticipating Trinity Parkway Construction) vs Existing
Trinity River Main Stem

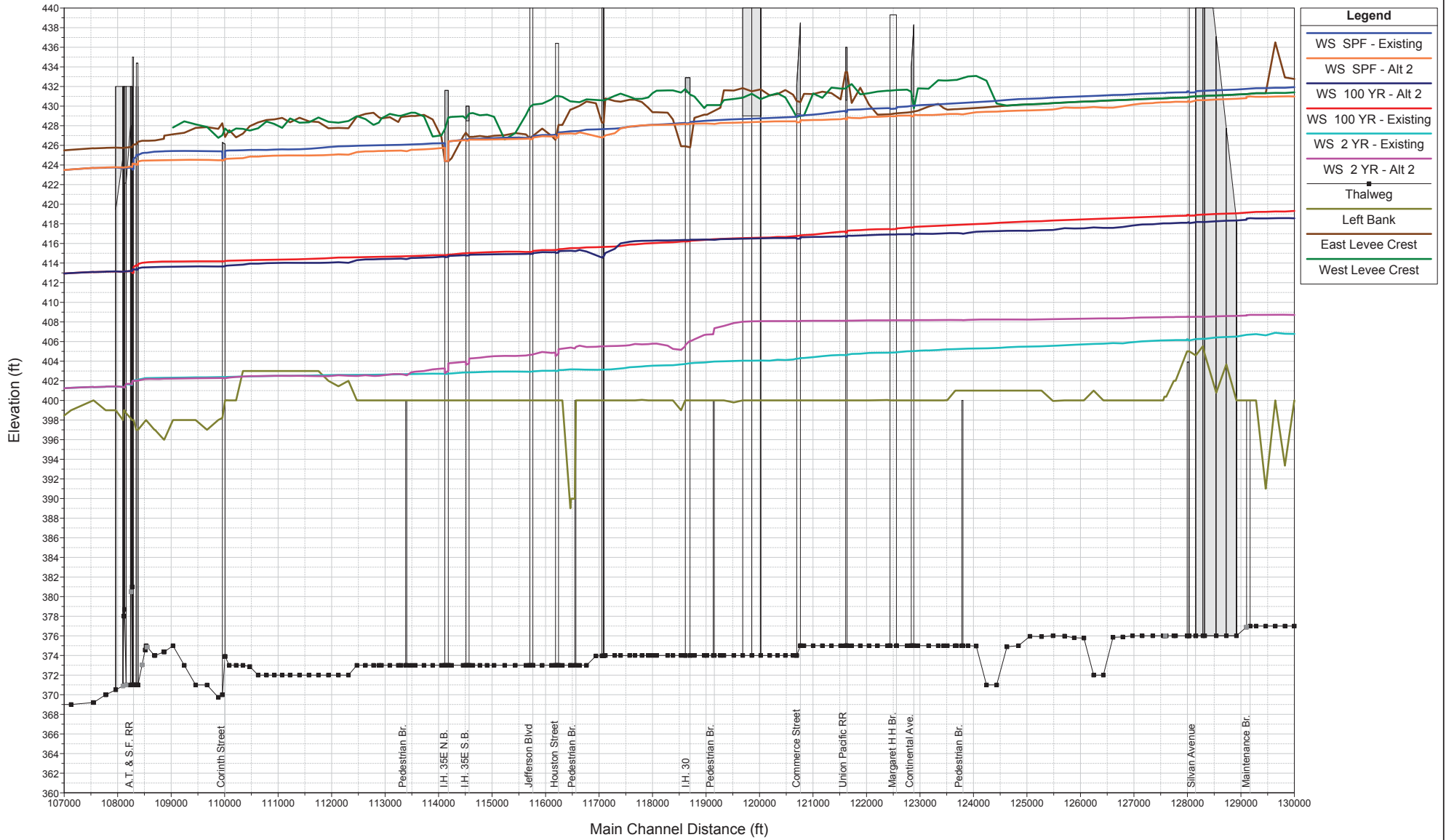


Figure 7

Dallas Floodway EIS Alt. 2 (Design Anticipating Trinity Parkway Construction) vs Existing
Trinity River Main Stem

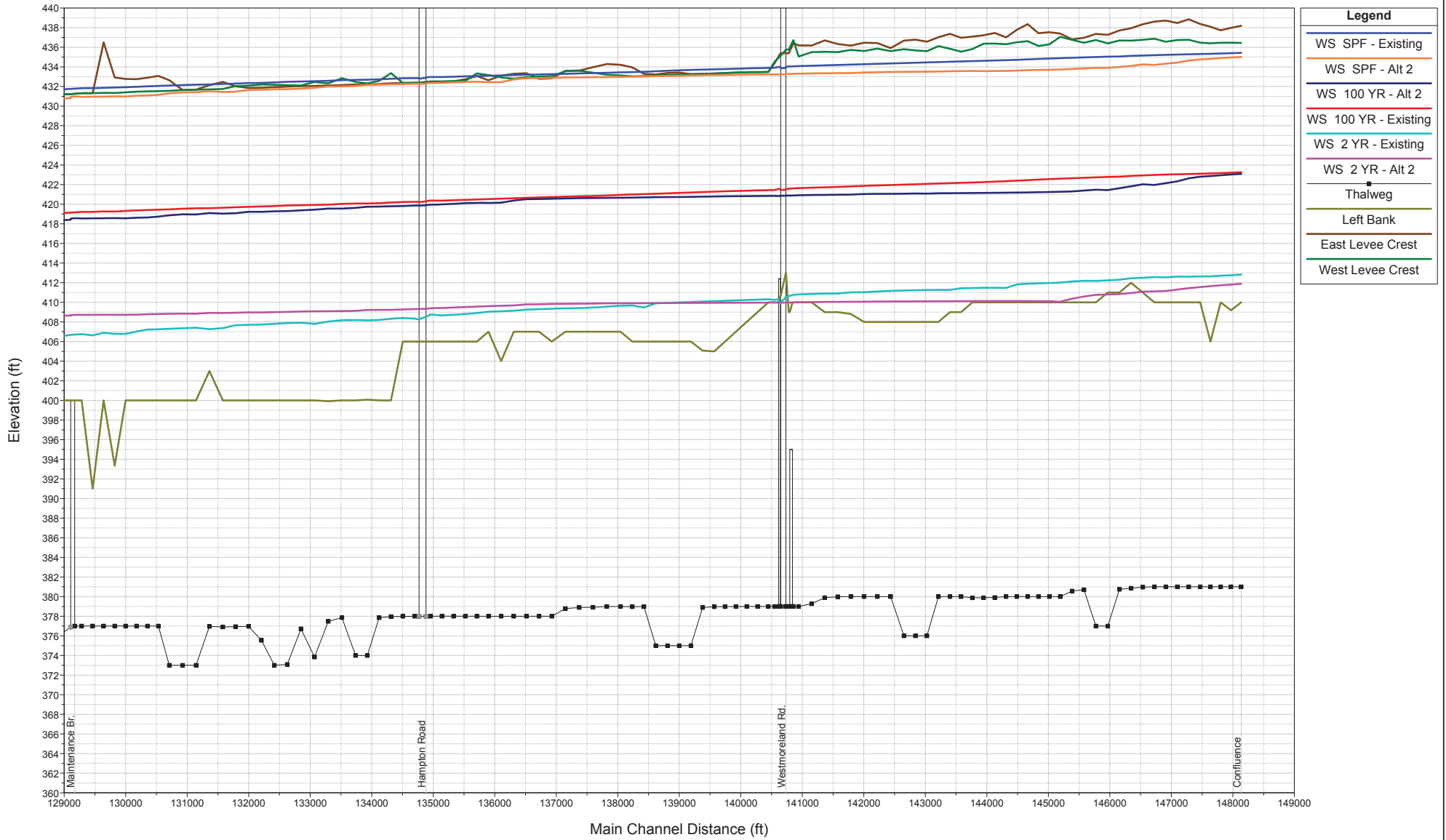


Figure 8

Dallas Floodway EIS Alt. 2 (Design Anticipating Trinity Parkway Construction) vs Existing
 Elm Fork Trinity River

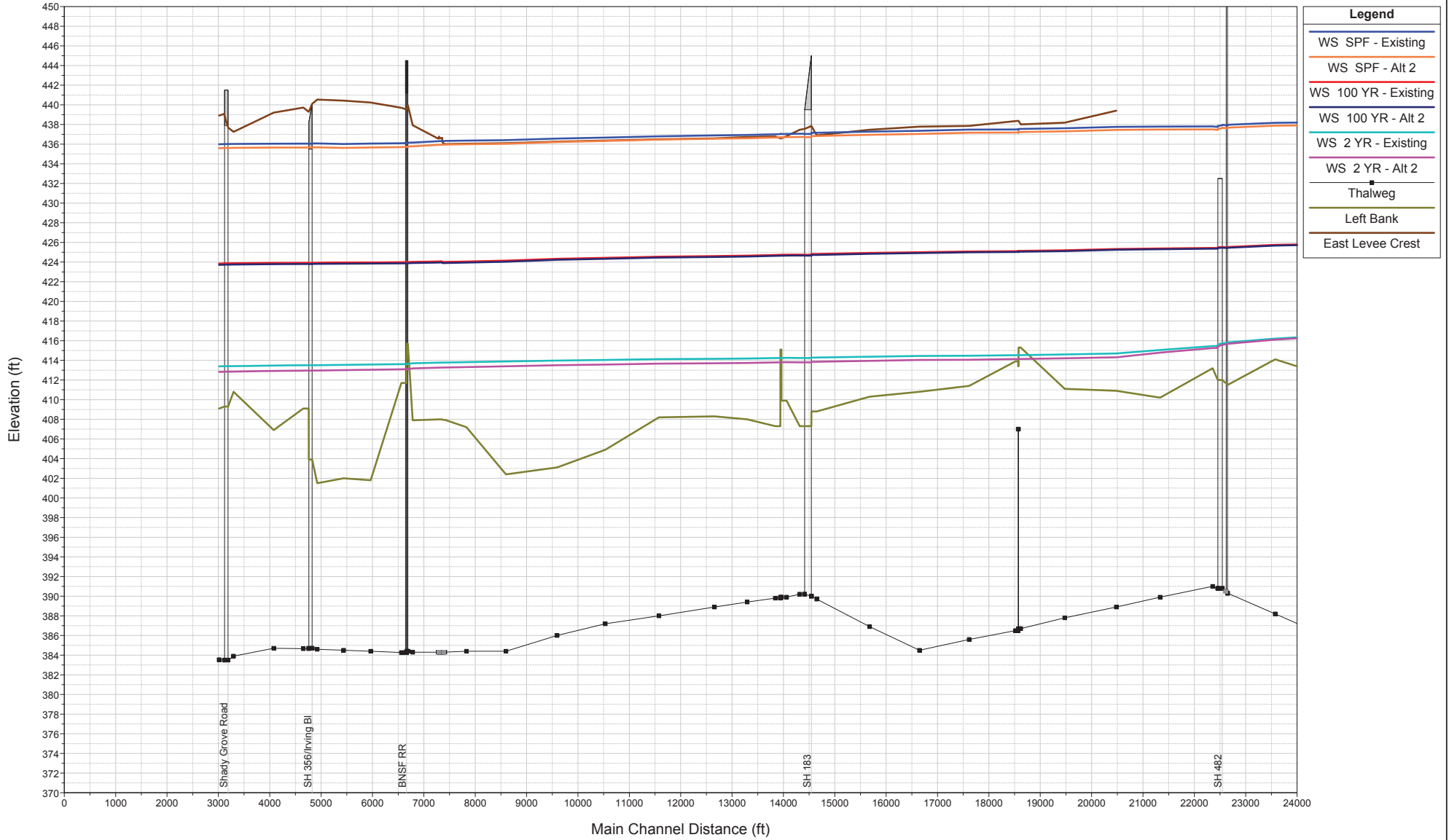


Figure 9

Dallas Floodway EIS Alt. 2 (Design Anticipating Trinity Parkway Construction) vs Existing
West Fork Trinity River

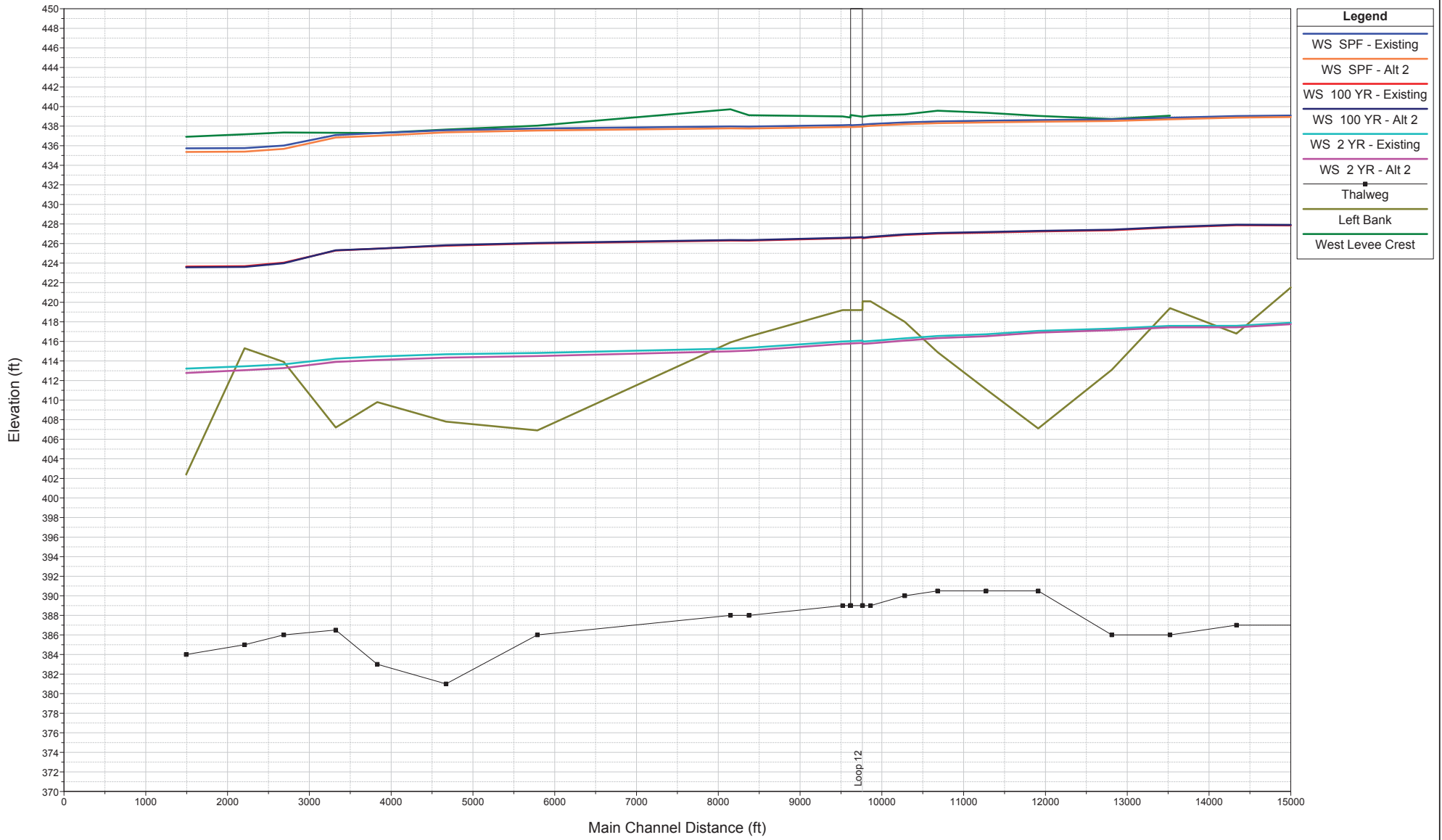


Figure 10

Table 1. Water Surface Elevations in the Floodway under the Existing Conditions (2040 Discharges) and the Future Without Project Condition (2040 Discharges)

Location	River Station	100 Year Flood Event W.S. Elev.			SPF Flood Event W.S. Elev.		
		Existing Condition	Future Without Project Condition	Difference	Existing Condition	Future Without Project Condition	Difference
Trinity River Main Stem							
DS of ATSF RR	107551	413.09	413.09	0.00	423.69	423.69	0.00
US of DART Rail	109035	414.17	414.28	+0.11	425.42	425.35	-0.07
Corinth St.	110009	414.22	414.34	+0.12	425.46	425.49	+0.03
IH 35E	114773	415.05	415.02	-0.03	426.65	426.44	-0.21
Houston St.	116243	415.42	415.42	0.00	427.32	427.14	-0.18
IH 30	118966	416.36	416.55	+0.19	428.49	428.18	-0.31
Commerce St.	120765	416.83	416.95	+0.12	429.04	428.66	-0.38
UPRR	121639	417.29	417.10	-0.19	429.62	428.97	-0.65
MHH Bridge	122562	417.54	417.45	-0.09	429.89	429.28	-0.61
Sylvan Ave.	128158	418.91	418.97	+0.06	431.53	431.13	-0.40
Hampton Rd.	134883	420.32	420.55	+0.23	432.93	432.81	-0.12
Westmoreland	140734	421.55	421.33	-0.22	434.02	433.68	-0.34
Confluence	148136	423.27	422.75	-0.52	435.43	434.93	-0.50
Elm Fork Trinity River							
Shady Grove Rd.	3190	423.87	423.41	-0.46	436.02	435.54	-0.47
SH 356	4826	423.93	423.48	-0.45	436.07	435.60	-0.47
BNSF	6689	424.01	423.56	-0.45	436.15	435.68	-0.46
SH 183	14544	424.78	424.39	-0.39	437.12	436.70	-0.41
US East Levee	18521	425.11	424.74	-0.37	437.49	437.10	-0.39
SH 482	22546	425.54	425.21	-0.33	437.97	437.59	-0.37
Loop 12	29438	426.79	426.56	-0.23	438.59	438.24	-0.35
West Fork Trinity River							
Loop 12	9763	426.61	426.39	-0.22	438.17	437.83	-0.34
US West Levee	12811	427.36	427.18	-0.18	438.70	438.38	-0.32
MacArthur Blvd	28841	436.10	436.10	0.00	444.13	444.11	-0.02

Table 2. Water Surface Elevations in the Floodway under the Existing Condition (2040 Discharges) and Alternative 2 (Design Anticipating Trinity Parkway Construction) Condition (2040 Discharges)

Location	River Station	100 Year Flood Event W.S. Elev.			SPF Flood Event W.S. Elev.		
		Existing Condition	Alternative 2	Difference	Existing Condition	Alternative 2	Difference
Trinity River Main Stem							
DS of ATSF RR	107551	413.09	413.09	0.00	423.69	423.69	0.00
US of DART Rail	109035	413.91	413.63	-0.28	425.42	424.51	-0.91
Corinth St.	110009	414.22	413.72	-0.50	425.46	424.62	-0.84
IH 35E	114773	415.04	414.86	-0.19	426.65	426.59	-0.06
Houston St.	116243	415.42	415.21	-0.21	427.32	427.17	-0.15
IH 30	118966	416.27	416.38	+0.11	428.49	428.21	-0.18
Commerce St.	120765	416.83	416.64	-0.19	429.04	428.57	-0.47
UPRR	121639	417.29	416.80	-0.49	429.62	428.84	-0.78
MHH Bridge	122562	417.54	416.93	-0.61	429.89	429.03	-0.86
Sylvan Ave.	128158	418.91	418.19	-0.72	431.53	430.60	-0.93
Hampton Rd.	134883	420.32	419.91	-0.41	432.93	432.31	-0.62
Westmoreland	140734	421.55	420.88	-0.67	434.02	433.28	-0.74
Confluence	148136	423.27	423.09	-0.18	435.43	435.01	-0.42
Elm Fork Trinity River							
Shady Grove Rd.	3190	423.87	423.74	-0.13	436.02	435.61	-0.41
SH 356	4826	423.93	423.81	-0.12	436.07	435.67	-0.40
BNSF	6689	424.01	423.89	-0.12	436.15	435.77	-0.38
SH 183	14544	424.78	424.69	-0.09	437.12	436.79	-0.33
US East Levee	18521	425.11	425.02	-0.09	437.49	437.18	-0.31
SH 482	22546	425.54	425.46	-0.08	437.97	437.68	-0.29
Loop 12	29438	426.79	426.74	-0.05	438.59	438.31	-0.28
West Fork Trinity River							
Loop 12	9763	426.61	426.67	+0.06	438.17	437.99	-0.19
US West Levee	12811	427.36	427.42	+0.06	438.70	438.53	-0.18
MacArthur Blvd	28841	436.10	436.10	0.00	444.13	444.08	-0.05