

Table 3: High Water Elevations of Existing and Proposed Option @ 50-216-015

Flow Return Period (Years)	*Peak Flow Q (cfs)	Existing Bridge	2 Cell - 11'x9' CIP Box Culvert
2	168	1484.56	1483.59
5	422	1486.81	1485.52
10	646	1488.00	1486.80
25	997	1489.50	1488.26
50	1,299	1491.36	1489.55
100	1,619	1491.72	1491.05
500	2,459	1492.15	1492.01
Low Chord / Top Inside of Culvert		1490.54	1488.15
100-yr Freeboard		N/A	N/A
Overtopping Flow (cfs)		1,850	1,670
Overtopping Elevation		1486.63	1486.63

Table 3: High Water Elevations of Existing and Proposed Option @ 50-219-015

				Model Includes LGE Channel Re-alignment Project	
Flow Return Period (Years)	*Peak Flow Q (cfs)	Existing Bridge	3 Cell - 12'x6' CIP Box Culvert	Existing Bridge	3 Cell - 12'x6' CIP Box Culvert
2	100	1482.55	1481.43	1482.24	1480.58
5	250	1483.62	1482.83	1483.37	1481.98
10	384	1484.16	1483.85	1483.89	1482.87
25	593	1484.67	1484.59	1484.40	1483.99
50	771	1485.09	1485.05	1485.10	1484.88
100	961	1485.61	1485.30	1485.62	1485.60
500	1,461	1485.98	1486.04	1486.55	1486.55
Low Chord / Top Inside of Culvert		1485.24	1484.03	1485.24	1484.03
100-yr Freeboard		None (Pressure)	N/A	N/A	N/A
Overtopping Flow (cfs)		1,380	1,400	1,190	1,160
Overtopping Elevation		1485.53	1485.53	1485.53	1485.53

Table 2: High Water Elevations of Existing and Proposed Option @ 50-277-015

Flow Return Period (Years)	*Peak Flow Q (cfs)	Existing Bridge	4 Cell - 11'x9' CIP Box Culvert
2	426	1546.45	1545.62
5	1,050	1547.49	1546.73
10	1,610	1547.65	1547.41
25	2,460	1548.76	1548.52
50	3,200	1549.79	1549.55
100	4,000	1550.81	1550.40
500	6,080	1551.32	1551.20
Low Chord / Top Inside of Culvert		1550.1	1547.97
100-yr Freeboard		N/A	N/A
Overtopping Flow (cfs)		3,290	3,460
Overtopping Elevation		1549.71	1549.71