Pipe Link: L-A120P2		Upstream		Downstream	
Scenario:	Existing-Revised	Invert:	0.51 ft	Invert:	0.76 ft
From Node:	N-A120	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-A110	Geometry: Horseshoe		Geometry: Horseshoe	
Link Count:	1	Max Depth:	5.67 ft	Max Depth:	5.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	74.00 ft	Op Table:		Op Table:	
FHWA Code:	9	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.20	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: L-A120P3		Upstream		Downstream	
Scenario:	Existing-Revised	Invert:	0.85 ft	Invert:	0.76 ft
From Node:	N-A120	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-A110	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	74.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.20	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: L-A120P4		Upstream		Downstream	
Scenario:	Existing-Revised	Invert:	0.53 ft	Invert:	0.76 ft
From Node:	N-A120	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-A110	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	74.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.20	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: L-A120P5		Upstream		Downstream	
Scenario:	Existing-Revised	Invert:	0.06 ft	Invert:	0.73 ft
From Node:	N-A120	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-A110	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	74.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.20	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: L-A120P6		Upstream		Downstream	
Scenario:	Existing-Revised	Invert:	1.42 ft	Invert:	2.20 ft
From Node:	N-A120	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-A110	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.20	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: L-A120P7		Upstream		Downstream	
Scenario:	Existing-Revised	Invert:	2.00 ft	Invert:	2.54 ft
From Node:	N-A120	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-A110	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	

Entr Loss Coef:	0.20	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.20	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Channel Link: L-B010C1		Upstream		Downstream	
Scenario:	Existing-Revised	Invert:	0.53 ft	Invert:	0.03 ft
From Node:	N-B010	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	N-A120	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	X-B010-1	Cross Section:	X-B010-1
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1500.00 ft				
Contraction Coef:	0.10				
Expansion Coef:	0.30				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Comment: SLT: shortened cross section to match channel control volume (20170730)

Weir Link: L-B020Wbr			
Scenario:	Existing-Revised	Bottom Clip	
From Node:	N-B020	Default:	0.00 ft
To Node:	N-B010	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	10.89 ft	Discharge Coefficients	
Control Elevation:	10.89 ft	Weir Default:	3.200
Cross Section:	X-B020W1-W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Wier added for new bridge by Transystems. JPI 5/12/15

Rating Curve: L-B020B1	
Scenario:	Existing-Revised
Type:	Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.03	1.03	0.00
1.03	1.82	25.00
1.03	2.26	50.00
1.03	2.61	75.00
1.03	2.88	100.00
1.03	3.12	125.00
1.03	3.31	150.00
1.03	3.50	175.00
1.03	3.68	200.00
1.03	3.83	225.00
1.03	3.99	250.00
1.03	4.13	275.00
1.03	4.27	300.00
1.53	1.53	0.00
1.53	1.82	25.00
1.53	2.25	50.00
1.53	2.62	75.00
1.53	2.91	100.00
1.53	3.13	125.00
1.53	3.32	150.00
1.53	3.50	175.00
1.53	3.68	200.00
1.53	3.83	225.00
1.53	3.99	250.00
1.53	4.13	275.00
1.53	4.27	300.00
1.53	4.40	325.00
1.53	4.52	350.00
1.53	4.65	375.00
1.53	4.76	400.00
2.53	2.53	0.00
2.53	2.54	25.00
2.53	2.57	50.00
2.53	2.81	75.00
2.53	2.96	100.00
2.53	3.13	125.00
2.53	3.32	150.00
2.53	3.50	175.00
2.53	3.67	200.00
2.53	3.84	225.00
2.53	3.99	250.00
2.53	4.15	275.00
2.53	4.29	300.00
2.53	4.42	325.00
2.53	4.55	350.00
2.53	4.67	375.00
2.53	4.78	400.00
2.53	4.88	425.00
2.53	4.99	450.00
2.53	5.09	475.00
2.53	5.18	500.00
3.03	3.03	0.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
3.03	3.05	50.00
3.03	3.10	100.00
3.03	3.17	150.00
3.03	3.74	200.00
3.03	4.01	250.00
3.03	4.27	300.00
3.03	4.53	350.00
3.03	4.77	400.00
3.03	4.99	450.00
3.03	5.20	500.00
3.03	5.38	550.00
3.03	6.13	600.00
3.53	3.53	0.00
3.53	3.54	50.00
3.53	3.56	100.00
3.53	3.61	150.00
3.53	3.66	200.00
3.53	4.15	250.00
3.53	4.36	300.00
3.53	4.57	350.00
3.53	4.78	400.00
3.53	4.98	450.00
3.53	5.17	500.00
3.53	5.36	550.00
3.53	6.12	600.00
3.53	6.31	650.00
3.53	6.49	700.00
3.53	6.65	750.00
3.53	6.80	800.00
4.03	4.03	0.00
4.03	4.03	50.00
4.03	4.05	100.00
4.03	4.07	150.00
4.03	4.11	200.00
4.03	4.15	250.00
4.03	4.20	300.00
4.03	4.73	350.00
4.03	4.89	400.00
4.03	5.06	450.00
4.03	5.22	500.00
4.03	5.39	550.00
4.03	6.09	600.00
4.03	6.26	650.00
4.03	6.44	700.00
4.03	6.61	750.00
4.03	6.78	800.00
4.03	6.89	850.00
4.03	6.97	900.00
4.03	6.98	950.00
4.03	7.04	1000.00
4.53	4.53	0.00
4.53	4.53	50.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
4.53	4.54	100.00
4.53	4.56	150.00
4.53	4.58	200.00
4.53	4.60	250.00
4.53	4.64	300.00
4.53	5.03	350.00
4.53	5.43	400.00
4.53	5.59	450.00
4.53	5.76	500.00
4.53	5.92	550.00
4.53	6.09	600.00
4.53	6.26	650.00
4.53	6.42	700.00
4.53	6.57	750.00
4.53	6.68	800.00
4.53	6.79	850.00
4.53	6.83	900.00
4.53	6.90	950.00
4.53	7.01	1000.00
4.53	7.12	1050.00
4.53	7.24	1100.00
4.53	7.35	1150.00
4.53	7.47	1200.00
5.03	5.03	0.00
5.03	5.05	50.00
5.03	5.09	100.00
5.03	5.16	150.00
5.03	5.25	200.00
5.03	5.35	250.00
5.03	5.45	300.00
5.03	5.56	350.00
5.03	5.67	400.00
5.03	5.79	450.00
5.03	5.91	500.00
5.03	6.03	550.00
5.03	6.16	600.00
5.03	6.24	650.00
5.03	6.33	700.00
5.03	6.42	750.00
5.03	6.52	800.00
5.03	6.63	850.00
5.03	6.74	900.00
5.03	6.86	950.00
5.03	6.97	1000.00
5.03	7.09	1050.00
5.03	7.21	1100.00
5.03	7.33	1150.00
5.03	7.44	1200.00
5.03	7.54	1250.00
5.03	7.65	1300.00
5.03	7.77	1350.00
5.03	7.89	1400.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
5.03	8.01	1450.00
5.53	5.53	0.00
5.53	5.54	50.00
5.53	5.56	100.00
5.53	5.60	150.00
5.53	5.65	200.00
5.53	5.70	250.00
5.53	5.77	300.00
5.53	5.84	350.00
5.53	5.91	400.00
5.53	5.99	450.00
5.53	6.07	500.00
5.53	6.15	550.00
5.53	6.23	600.00
5.53	6.31	650.00
5.53	6.41	700.00
5.53	6.51	750.00
5.53	6.61	800.00
5.53	6.71	850.00
5.53	6.81	900.00
5.53	6.91	950.00
5.53	7.01	1000.00
5.53	7.11	1050.00
5.53	7.21	1100.00
5.53	7.31	1150.00
5.53	7.42	1200.00
5.53	7.52	1250.00
5.53	7.63	1300.00
5.53	7.74	1350.00
5.53	7.88	1400.00
5.53	7.99	1450.00
5.53	8.09	1500.00
6.03	6.03	0.00
6.03	6.03	50.00
6.03	6.05	100.00
6.03	6.07	150.00
6.03	6.10	200.00
6.03	6.14	250.00
6.03	6.19	300.00
6.03	6.24	350.00
6.03	6.30	400.00
6.03	6.35	450.00
6.03	6.42	500.00
6.03	6.48	550.00
6.03	6.54	600.00
6.03	6.60	650.00
6.03	6.68	700.00
6.03	6.75	750.00
6.03	6.82	800.00
6.03	6.89	850.00
6.03	6.97	900.00
6.03	7.06	950.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
6.03	7.15	1000.00
6.03	7.24	1050.00
6.03	7.33	1100.00
6.03	7.42	1150.00
6.03	7.50	1200.00
6.03	7.59	1250.00
6.03	7.68	1300.00
6.03	7.81	1350.00
6.03	7.92	1400.00
6.03	8.02	1450.00
6.03	8.11	1500.00
6.03	8.17	1550.00
6.03	8.22	1600.00
6.03	8.25	1650.00
6.03	8.31	1700.00
6.03	8.35	1750.00
6.03	8.39	1800.00
6.03	8.44	1850.00
6.03	8.51	1900.00
6.03	8.69	2100.00
6.53	6.53	0.00
6.53	6.53	50.00
6.53	6.54	100.00
6.53	6.56	150.00
6.53	6.58	200.00
6.53	6.61	250.00
6.53	6.64	300.00
6.53	6.68	350.00
6.53	6.72	400.00
6.53	6.76	450.00
6.53	6.81	500.00
6.53	6.86	550.00
6.53	6.91	600.00
6.53	6.97	650.00
6.53	7.02	700.00
6.53	7.07	750.00
6.53	7.13	800.00
6.53	7.19	850.00
6.53	7.25	900.00
6.53	7.31	950.00
6.53	7.38	1000.00
6.53	7.45	1050.00
6.53	7.53	1100.00
6.53	7.60	1150.00
6.53	7.68	1200.00
6.53	7.75	1250.00
6.53	7.81	1300.00
6.53	7.86	1350.00
6.53	7.92	1400.00
6.53	7.97	1450.00
6.53	8.03	1500.00
6.53	8.08	1550.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
6.53	8.13	1600.00
6.53	8.18	1650.00
6.53	8.22	1700.00
6.53	8.29	1750.00
6.53	8.34	1800.00
6.53	8.40	1850.00
6.53	8.40	1900.00
6.53	8.45	1950.00
6.53	8.47	2000.00
6.53	8.38	2050.00
6.53	8.40	2100.00
6.53	8.44	2150.00
6.53	8.50	2200.00
6.53	8.56	2250.00
6.53	8.67	2300.00
6.53	8.80	2350.00
6.53	8.89	2400.00
7.03	7.03	0.00
7.03	7.03	50.00
7.03	7.04	100.00
7.03	7.05	150.00
7.03	7.06	200.00
7.03	7.08	250.00
7.03	7.10	300.00
7.03	7.13	350.00
7.03	7.16	400.00
7.03	7.19	450.00
7.03	7.22	500.00
7.03	7.25	550.00
7.03	7.29	600.00
7.03	7.33	650.00
7.03	7.37	700.00
7.03	7.41	750.00
7.03	7.45	800.00
7.03	7.49	850.00
7.03	7.53	900.00
7.03	7.57	950.00
7.03	7.61	1000.00
7.03	7.65	1050.00
7.03	7.70	1100.00
7.03	7.74	1150.00
7.03	7.79	1200.00
7.03	7.84	1250.00
7.03	7.88	1300.00
7.03	7.93	1350.00
7.03	7.98	1400.00
7.03	8.02	1450.00
7.03	8.07	1500.00
7.03	8.12	1550.00
7.03	8.18	1600.00
7.03	8.23	1650.00
7.03	8.24	1700.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
7.03	8.29	1750.00
7.03	8.31	1800.00
7.03	8.34	1850.00
7.03	8.27	1900.00
7.03	8.29	1950.00
7.03	8.32	2000.00
7.03	8.37	2050.00
7.03	8.42	2100.00
7.03	8.48	2150.00
7.03	8.55	2200.00
7.03	8.62	2250.00
7.03	8.74	2300.00
7.03	8.82	2350.00
7.03	8.91	2400.00
7.03	9.01	2450.00
7.03	9.11	2500.00
7.03	9.21	2550.00
7.03	9.31	2600.00
7.03	9.40	2650.00
7.03	9.50	2700.00
7.53	7.53	0.00
7.53	7.53	50.00
7.53	7.53	100.00
7.53	7.54	150.00
7.53	7.55	200.00
7.53	7.56	250.00
7.53	7.57	300.00
7.53	7.59	350.00
7.53	7.60	400.00
7.53	7.62	450.00
7.53	7.64	500.00
7.53	7.66	550.00
7.53	7.68	600.00
7.53	7.71	650.00
7.53	7.74	700.00
7.53	7.76	750.00
7.53	7.79	800.00
7.53	7.82	850.00
7.53	7.85	900.00
7.53	7.88	950.00
7.53	7.92	1000.00
7.53	7.95	1050.00
7.53	7.98	1100.00
7.53	8.01	1150.00
7.53	8.04	1200.00
7.53	8.06	1250.00
7.53	8.09	1300.00
7.53	8.11	1350.00
7.53	8.14	1400.00
7.53	8.15	1450.00
7.53	8.15	1500.00
7.53	8.16	1550.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
7.53	8.19	1600.00
7.53	8.21	1650.00
7.53	8.24	1700.00
7.53	8.28	1750.00
7.53	8.31	1800.00
7.53	8.35	1850.00
7.53	8.40	1900.00
7.53	8.44	1950.00
7.53	8.49	2000.00
7.53	8.54	2050.00
7.53	8.61	2100.00
7.53	8.67	2150.00
7.53	8.75	2200.00
7.53	8.81	2250.00
7.53	8.88	2300.00
7.53	8.94	2350.00
7.53	9.02	2400.00
7.53	9.09	2450.00
7.53	9.17	2500.00
7.53	9.24	2550.00
7.53	9.32	2600.00
7.53	9.39	2650.00
7.53	9.47	2700.00
8.03	8.03	0.00
8.03	8.03	50.00
8.03	8.03	100.00
8.03	8.03	150.00
8.03	8.04	200.00
8.03	8.04	250.00
8.03	8.05	300.00
8.03	8.05	350.00
8.03	8.06	400.00
8.03	8.07	450.00
8.03	8.08	500.00
8.03	8.09	550.00
8.03	8.10	600.00
8.03	8.11	650.00
8.03	8.12	700.00
8.03	8.13	750.00
8.03	8.15	800.00
8.03	8.17	850.00
8.03	8.18	900.00
8.03	8.20	950.00
8.03	8.22	1000.00
8.03	8.24	1050.00
8.03	8.26	1100.00
8.03	8.28	1150.00
8.03	8.30	1200.00
8.03	8.32	1250.00
8.03	8.35	1300.00
8.03	8.37	1350.00
8.03	8.40	1400.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
8.03	8.42	1450.00
8.03	8.45	1500.00
8.03	8.48	1550.00
8.03	8.51	1600.00
8.03	8.54	1650.00
8.03	8.58	1700.00
8.03	8.62	1750.00
8.03	8.66	1800.00
8.03	8.70	1850.00
8.03	8.74	1900.00
8.03	8.79	1950.00
8.03	8.83	2000.00
8.03	8.88	2050.00
8.03	8.93	2100.00
8.03	8.97	2150.00
8.03	9.02	2200.00
8.03	9.08	2250.00
8.03	9.13	2300.00
8.03	9.18	2350.00
8.03	9.24	2400.00
8.03	9.29	2450.00
8.03	9.35	2500.00
8.03	9.41	2550.00
8.03	9.47	2600.00
8.03	9.53	2650.00
8.03	9.59	2700.00
8.53	8.53	0.00
8.53	8.53	50.00
8.53	8.53	100.00
8.53	8.53	150.00
8.53	8.54	200.00
8.53	8.54	250.00
8.53	8.54	300.00
8.53	8.55	350.00
8.53	8.56	400.00
8.53	8.56	450.00
8.53	8.57	500.00
8.53	8.58	550.00
8.53	8.59	600.00
8.53	8.60	650.00
8.53	8.61	700.00
8.53	8.62	750.00
8.53	8.63	800.00
8.53	8.65	850.00
8.53	8.66	900.00
8.53	8.68	950.00
8.53	8.69	1000.00
8.53	8.71	1050.00
8.53	8.73	1100.00
8.53	8.75	1150.00
8.53	8.77	1200.00
8.53	8.79	1250.00

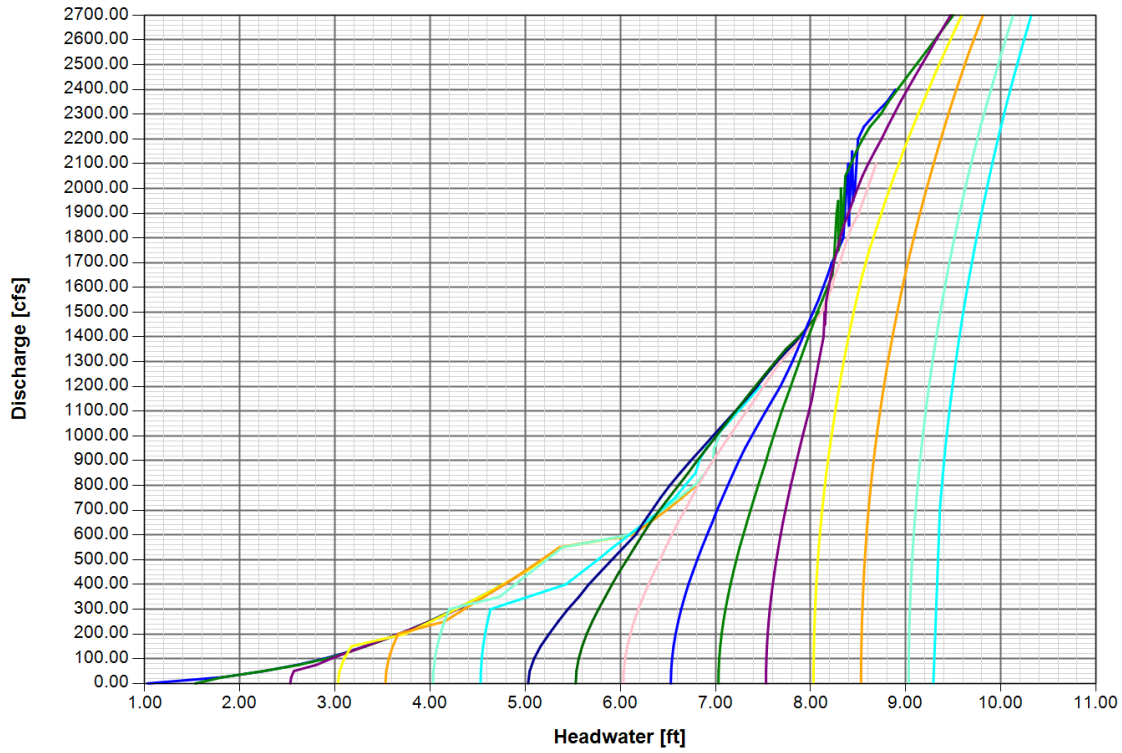
Tailwater [ft]	Headwater [ft]	Discharge [cfs]
8.53	8.81	1300.00
8.53	8.84	1350.00
8.53	8.86	1400.00
8.53	8.88	1450.00
8.53	8.91	1500.00
8.53	8.94	1550.00
8.53	8.96	1600.00
8.53	8.99	1650.00
8.53	9.02	1700.00
8.53	9.05	1750.00
8.53	9.08	1800.00
8.53	9.12	1850.00
8.53	9.15	1900.00
8.53	9.18	1950.00
8.53	9.22	2000.00
8.53	9.26	2050.00
8.53	9.29	2100.00
8.53	9.33	2150.00
8.53	9.37	2200.00
8.53	9.41	2250.00
8.53	9.45	2300.00
8.53	9.49	2350.00
8.53	9.53	2400.00
8.53	9.58	2450.00
8.53	9.62	2500.00
8.53	9.67	2550.00
8.53	9.71	2600.00
8.53	9.76	2650.00
8.53	9.81	2700.00
9.03	9.03	0.00
9.03	9.03	50.00
9.03	9.03	100.00
9.03	9.03	150.00
9.03	9.04	200.00
9.03	9.04	250.00
9.03	9.04	300.00
9.03	9.05	350.00
9.03	9.05	400.00
9.03	9.06	450.00
9.03	9.07	500.00
9.03	9.07	550.00
9.03	9.08	600.00
9.03	9.09	650.00
9.03	9.10	700.00
9.03	9.11	750.00
9.03	9.13	800.00
9.03	9.14	850.00
9.03	9.15	900.00
9.03	9.16	950.00
9.03	9.18	1000.00
9.03	9.19	1050.00
9.03	9.21	1100.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
9.03	9.23	1150.00
9.03	9.24	1200.00
9.03	9.26	1250.00
9.03	9.28	1300.00
9.03	9.30	1350.00
9.03	9.32	1400.00
9.03	9.34	1450.00
9.03	9.36	1500.00
9.03	9.39	1550.00
9.03	9.41	1600.00
9.03	9.43	1650.00
9.03	9.46	1700.00
9.03	9.48	1750.00
9.03	9.51	1800.00
9.03	9.54	1850.00
9.03	9.57	1900.00
9.03	9.59	1950.00
9.03	9.62	2000.00
9.03	9.65	2050.00
9.03	9.69	2100.00
9.03	9.72	2150.00
9.03	9.75	2200.00
9.03	9.78	2250.00
9.03	9.82	2300.00
9.03	9.86	2350.00
9.03	9.90	2400.00
9.03	9.93	2450.00
9.03	9.97	2500.00
9.03	10.01	2550.00
9.03	10.05	2600.00
9.03	10.09	2650.00
9.03	10.13	2700.00
9.29	9.29	0.00
9.29	9.36	700.00
9.29	9.37	750.00
9.29	9.38	800.00
9.29	9.39	850.00
9.29	9.40	900.00
9.29	9.42	950.00
9.29	9.43	1000.00
9.29	9.44	1050.00
9.29	9.46	1100.00
9.29	9.47	1150.00
9.29	9.49	1200.00
9.29	9.51	1250.00
9.29	9.53	1300.00
9.29	9.54	1350.00
9.29	9.56	1400.00
9.29	9.58	1450.00
9.29	9.60	1500.00
9.29	9.63	1550.00
9.29	9.65	1600.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
9.29	9.67	1650.00
9.29	9.69	1700.00
9.29	9.72	1750.00
9.29	9.74	1800.00
9.29	9.77	1850.00
9.29	9.80	1900.00
9.29	9.82	1950.00
9.29	9.85	2000.00
9.29	9.88	2050.00
9.29	9.91	2100.00
9.29	9.94	2150.00
9.29	9.97	2200.00
9.29	10.00	2250.00
9.29	10.03	2300.00
9.29	10.07	2350.00
9.29	10.10	2400.00
9.29	10.13	2450.00
9.29	10.17	2500.00
9.29	10.21	2550.00
9.29	10.24	2600.00
9.29	10.28	2650.00
9.29	10.32	2700.00

Comment: SLT: oringinal Woolpert rating curves were suspect with an n-value of 0.18 for the btm. These were chgd using n=0.018 for vertical walls and 0.04 for slopes and btm (20171026)

Rating Curve: L-B020B1 Scenario: Existing-Revised



Channel Cross Section: X-B010-1

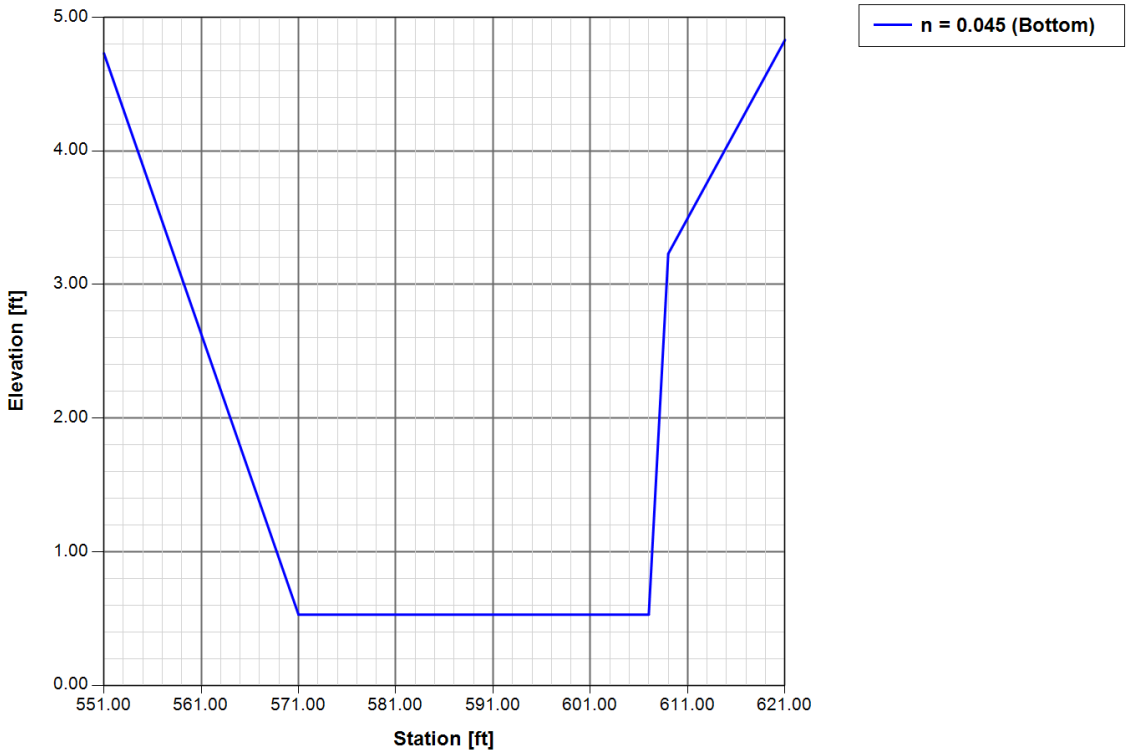
Scenario: Existing-Revised
Lid: No
Conveyance Method: ICPRv3

Bottom Point Table

Order	Station [ft]	Elevation [ft]	Manning's N
7	551.00	4.73	0.1800
8	571.00	0.53	0.0450
9	607.00	0.53	0.0450
10	609.00	3.23	0.0450
11	621.00	4.83	0.0450

Comment: SLT: shortened cross section to match channel control volume (20170730)

Channel Cross Section: X-B010-1 Scenario: X-B010-1



Weir Cross Section: X-B020W1-W

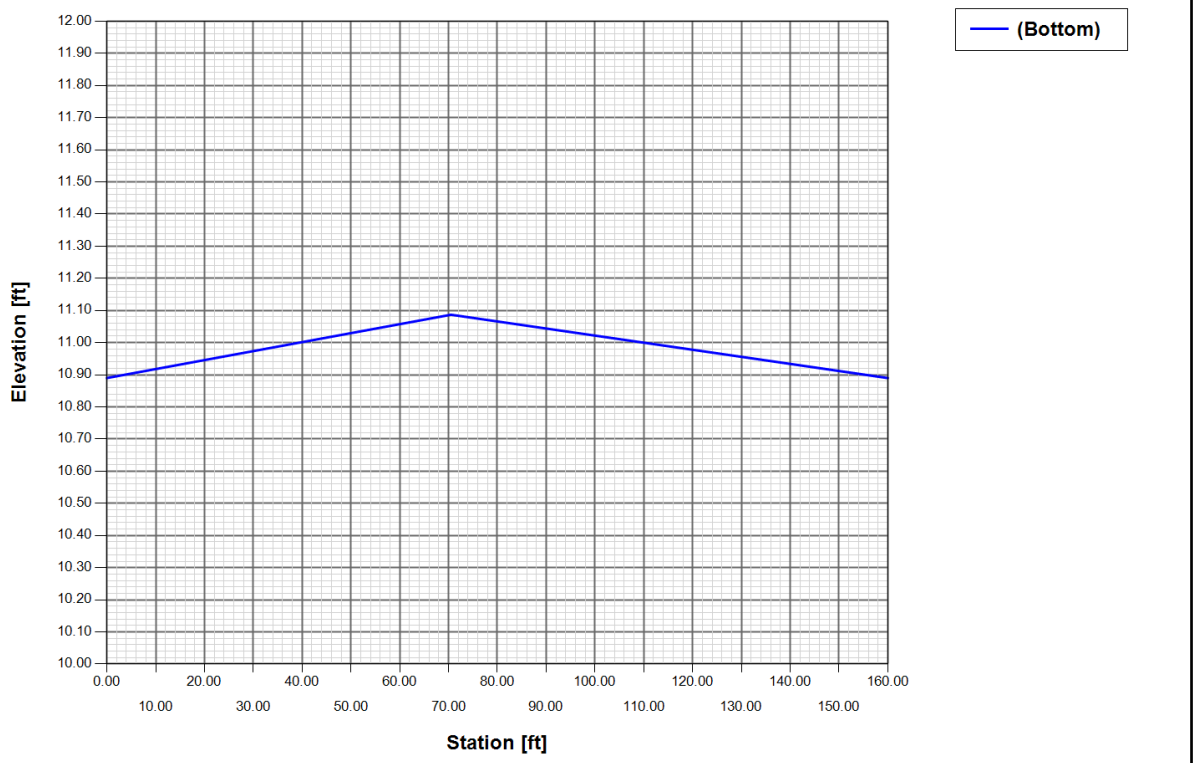
Scenario: Existing-Revised
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	10.89
1	70.50	11.09
2	160.00	10.89

Comment: Wier cross section added for new transystems bridge. JPI 5/12/15

Weir Cross Section: X-B020W1-W Scenario: X-B020W1-W



Node: N-A010

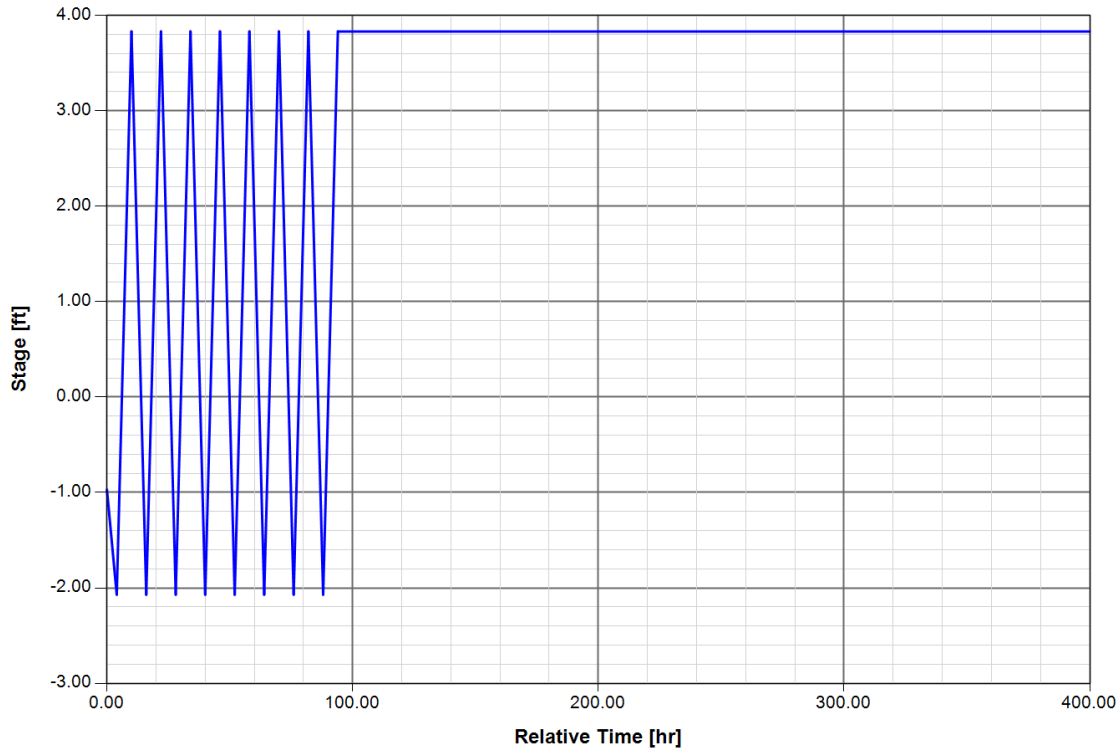
Scenario: Existing-Revised
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -0.97 ft
Warning Stage: 3.00 ft
Boundary Stage: N-A010

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-0.97
0	0	0	4.0000	-2.07
0	0	0	10.0000	3.83
0	0	0	16.0000	-2.07
0	0	0	22.0000	3.83
0	0	0	28.0000	-2.07
0	0	0	34.0000	3.83
0	0	0	40.0000	-2.07
0	0	0	46.0000	3.83
0	0	0	52.0000	-2.07
0	0	0	58.0000	3.83
0	0	0	64.0000	-2.07

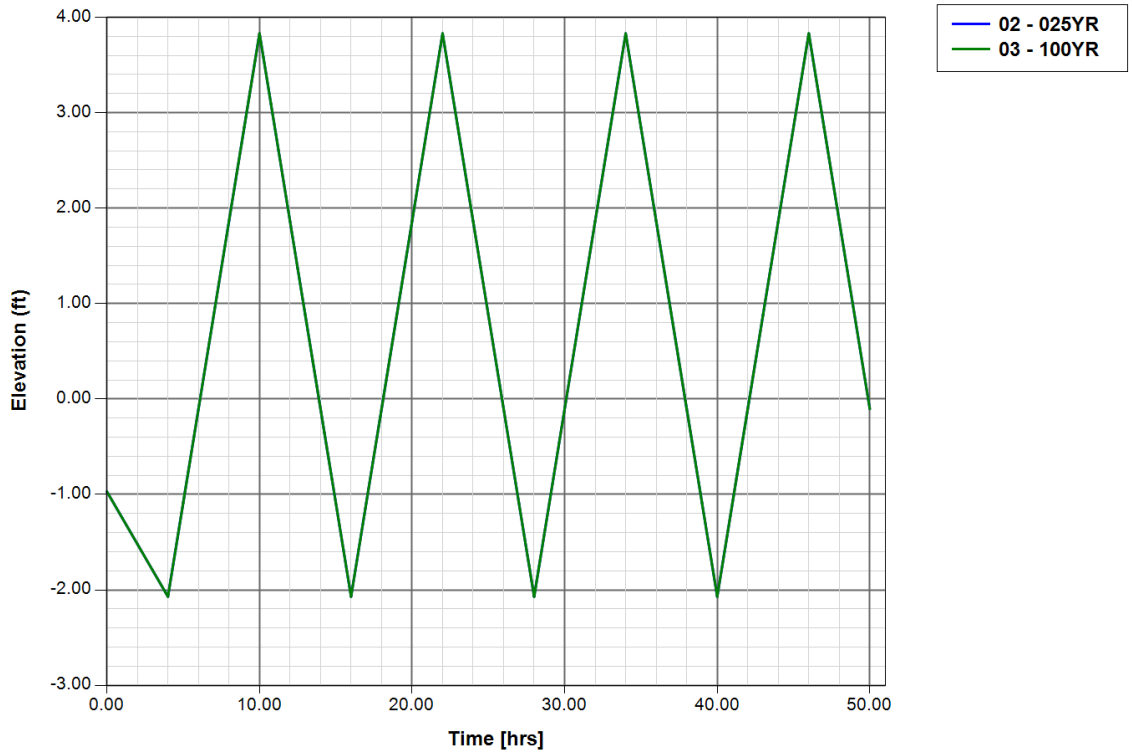
Year	Month	Day	Hour	Stage [ft]
0	0	0	70.0000	3.83
0	0	0	76.0000	-2.07
0	0	0	82.0000	3.83
0	0	0	88.0000	-2.07
0	0	0	94.0000	3.83
0	0	0	400.0000	3.83

Comment:

Node: N-A010 Scenario: Existing-Revised



Node Stage: N-A010 [Existing-Revised]

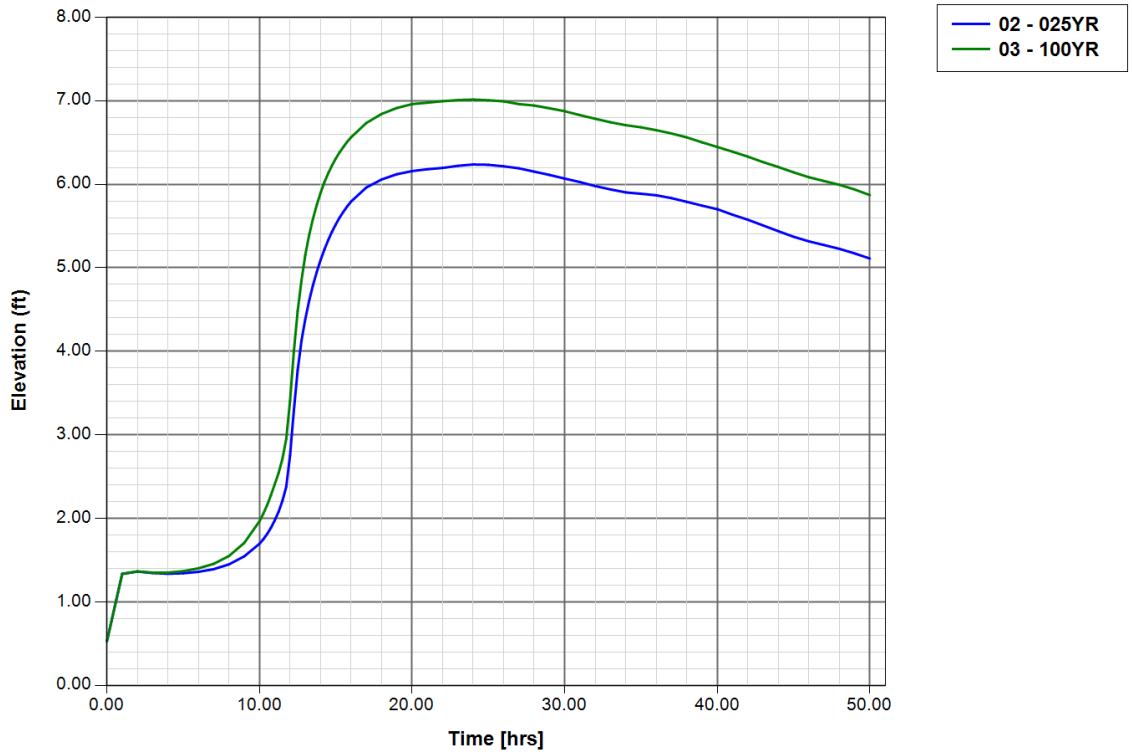


Node: N-A110

Scenario:	Existing-Revised
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	0.53 ft
Warning Stage:	7.03 ft

Comment:

Node Stage: N-A110 [Existing-Revised]



Node: N-B020

Scenario:	Existing-Revised
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	0.93 ft
Warning Stage:	7.58 ft

Comment:

Node Stage: N-B020 [Existing-Revised]