



INLET SPACING DESIGN

PID : 116570 **Date :** 02/01/2024 **Project :** ERI-6

Location : Sta. 660+69

Description : Inlet at Plum Creek

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 6.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)	
657+94	Begin																		
660+69	I-3D	275.00	0.90	0.10	8.00	7.32	15.33	0.0013	0.0400	0.0156	4.00	0.0625	3.61	*****	*****	0.33	0.175	4.99	Sag
661+39	Begin																		
660+69	I-3D	70.00	0.90	0.03	4.69	2.29	10.00	0.0013	0.0400	0.0156	4.00	0.0625	4.41	*****	*****	0.12	0.120	3.01	End

SUMP DATA

Total Flow (cfs) : 0.44

Ponded Depth (ft.) : 0.059

Spread on Pavement (ft.) : 1.06



INLET SPACING DESIGN

PID : 116570 Date : 07/30/2025 Project : ERI-6

Location : Sta. 682+86 RT

Description :D602-HW608

Designer :

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)
172+08	Begin																	
171+00	CB-3A	108.00	0.90	0.14	5.42	1.08	10.00	0.0093	0.0800	0.0156	2.00	0.0000	4.41	0.55	0.01	0.56	0.190	3.94



INLET SPACING DESIGN

PID : 116570 Date : 07/30/2025 Project : ERI-6

Location : Sta. 682+87

Description :D603

Designer :

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)
183+69	Begin																	
182+50	CB-3A	150.00	0.90	0.11	2.91	1.03	10.00	0.0200	0.0800	0.0156	2.00	0.0000	4.41	0.44	0.00	0.44	0.152	1.90



INLET SPACING DESIGN

PID : 116570 Date : 07/30/2025 Project : ERI-6

Location : Sta. 684+59RT

Description :D604

Designer :

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)	
172+08	Begin																		
172+88	CB-3	81.00	0.90	0.10	4.35	0.58	10.00	0.0200	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.40	0.147	1.84	Sag
173+44	Begin																		
172+88	CB-3	55.00	0.90	0.10	4.63	0.39	10.00	0.0200	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.40	0.147	1.84	End

SUMP DATA

Total Flow (cfs) : 0.79

Ponded Depth (ft.) : 0.069

Spread on Pavement (ft.) : 3.36



INLET SPACING DESIGN

PID : 116570 Date : 07/30/2025 Project : ERI-6

Location : Sta. 686+12 RT, 1687+03 RT

Description :D605-D607

Designer :

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)
173+50	Begin																	
174+41	CB-3A	97.00	0.90	0.11	3.17	1.02	10.00	0.0085	0.0800	0.0156	2.00	0.0000	4.41	0.44	0.00	0.44	0.178	3.16
175+30	CB-3A	90.00	0.90	0.08	2.15	0.92	10.00	0.0085	0.0800	0.0156	2.00	0.0000	4.41	0.30	0.00	0.30	0.156	1.95



INLET SPACING DESIGN

PID : 116570 **Date :** 07/30/2025 **Project :** ERI-6

Location : Sta. 686+12 LT

Description : D606 684+63-686+11

Designer :

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)
684+63	Begin																	
686+11	CB-3A	55.00	0.90	0.09	3.74	0.57	10.00	0.0092	0.0800	0.0156	2.00	0.0000	4.41	0.36	0.00	0.36	0.163	2.21



INLET SPACING DESIGN

PID : 116570 **Date :** 07/30/2025 **Project :** ERI-006

Location : Camp RAB

Description : Pavement Spread - D704

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)	
211+00	Begin																		
212+43	CB-3	143.00	0.90	0.11	5.14	1.95	10.00	0.0050	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.44	0.195	4.21	Sag
213+80	Begin																		
212+43	CB-3	137.00	0.90	0.08	2.84	1.32	10.00	0.0100	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.32	0.154	1.92	End

SUMP DATA

Total Flow (cfs) : 0.75

Ponded Depth (ft.) : 0.066

Spread on Pavement (ft.) : 3.12



INLET SPACING DESIGN

PID : 116570 Date : 07/30/2025 Project : ERI-006

Location : Camp RAB

Description : Pavement Spread - D712

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 6.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)	
330+60	Begin																		
331+52	CB-3	92.00	0.90	0.10	12.14	0.93	13.07	0.0100	0.0800	0.0156	2.00	0.0000	3.91	*****	*****	0.35	0.160	2.00	Sag
741+18	Begin																		
740+30	CB-3A	88.00	0.90	0.11	4.21	1.10	10.00	0.0060	0.0800	0.0156	2.00	0.0000	4.41	0.43	0.00	0.44	0.189	3.85	
739+15	CB-3A	115.00	0.90	0.18	9.76	1.51	11.27	0.0052	0.0800	0.0156	2.00	0.0000	4.18	0.63	0.05	0.68	0.221	5.90	
331+52	CB-3	135.00	0.90	0.13	12.14	1.80	13.93	0.0052	0.0800	0.0156	2.00	0.0000	3.79	*****	*****	0.50	0.201	4.64	End

SUMP DATA

Total Flow (cfs) : 0.85

Ponded Depth (ft.) : 0.074

Spread on Pavement (ft.) : 3.69



INLET SPACING DESIGN

PID : 116570 Date : 07/30/2025 Project : ERI-006

Location : Camp RAB

Description : Pavement Spread - D711

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)	
260+00	Begin																		
260+87	CB-3	87.00	0.90	0.09	4.47	1.33	10.00	0.0040	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.36	0.189	3.86	Sag
741+18	Begin																		
739+13	CB-3A	200.00	0.90	0.11	2.49	0.77	10.00	0.0900	0.0800	0.0156	2.00	0.0000	4.41	0.44	0.00	0.44	0.115	1.44	
260+87	CB-3	133.00	0.90	0.08	2.70	1.69	10.00	0.0060	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.32	0.169	2.59	End

SUMP DATA

Total Flow (cfs) : 0.67

Ponded Depth (ft.) : 0.058

Spread on Pavement (ft.) : 2.63



INLET SPACING DESIGN

PID : 116570 **Date :** 07/30/2025 **Project :** ERI-006

Location : Camp RAB

Description : Pavement Spread - D710

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)
321+82	Begin																	
321+47	CB-3	35.00	0.90	0.10	4.80	0.25	10.00	0.0200	0.0800	0.0156	2.00	0.0000	4.41	0.40	0.00	0.40	0.147	1.84



INLET SPACING DESIGN

PID : 116570 **Date :** 07/30/2025 **Project :** ERI-006

Location : Camp RAB

Description : Pavement Spread - D709

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)	
330+00	Begin																		
330+28	CB-3	28.00	0.90	0.04	7.26	0.38	10.00	0.0070	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.16	0.127	1.59	Sag
330+60	Begin																		
330+28	CB-3	32.00	0.90	0.07	7.26	0.33	10.00	0.0100	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.28	0.146	1.83	End

SUMP DATA

Total Flow (cfs) : 0.44

Ponded Depth (ft.) : 0.032

Spread on Pavement (ft.) : 1.80



INLET SPACING DESIGN

PID : 116570 **Date :** 07/30/2025 **Project :** ERI-006

Location : Camp RAB

Description : Pavement Spread - D708

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)
313+66	Begin																	
314+21	CB-3	55.00	0.90	0.15	4.90	0.53	10.00	0.0100	0.0800	0.0156	2.00	0.0000	4.41	0.59	0.00	0.59	0.192	4.07



INLET SPACING DESIGN

PID : 116570 Date : 07/30/2025 Project : ERI-006

Location : Camp RAB

Description : Pavement Spread - D707

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)	
231+22	Begin																		
231+37	CB-3	15.00	0.90	0.01	2.49	0.44	10.00	0.0020	0.0800	0.0156	2.00	0.0400	4.41	*****	*****	0.04	0.095	1.19	Sag
232+45	Begin																		
231+37	CB-3	108.00	0.90	0.13	4.81	1.24	10.00	0.0070	0.0800	0.0156	2.00	0.0400	4.41	*****	*****	0.52	0.194	4.21	End

SUMP DATA

Total Flow (cfs) : 0.56

Ponded Depth (ft.) : 0.046

Spread on Pavement (ft.) : 1.82



INLET SPACING DESIGN

PID : 116570 Date : 07/30/2025 Project : ERI-006

Location : Camp RAB

Description : Pavement Spread - D706

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)	
311+50	Begin																		
313+00	CB-3	150.00	0.90	0.10	2.45	1.51	10.00	0.0095	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.40	0.169	2.57	Sag
313+66	Begin																		
313+00	CB-3	66.00	0.90	0.06	2.45	0.67	10.00	0.0100	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.24	0.138	1.73	End

SUMP DATA

Total Flow (cfs) : 0.63

Ponded Depth (ft.) : 0.054

Spread on Pavement (ft.) : 2.38



INLET SPACING DESIGN

PID : 116570 Date : 07/30/2025 Project : ERI-006

Location : Camp RAB

Description : Pavement Spread - D705

Designer : BLS

Rainfall Area: A

Storm Frequency (yr.) : 5

Total Allow. Spread (ft.) : 4.00

Allowable Depth (ft.) 0.42

STATION	C.B. Type	GUTTER LENGTH (ft.)	RUNOFF COEF	AREA (acres)	CONC. TIME (min.)	GUTTER TIME (min.)	TIME USED (min.)	LONG. SLOPE (ft./ft.)	GUTT. SLOPE (ft./ft.)	PAVT. SLOPE (ft./ft.)	GUTT. WIDTH (ft.)	LOCAL DEPRESS. (ft.)	RAIN FALL (in./hrs.)	INTERCPTD FLOW (cfs.)	BYPASS FLOW (cfs.)	TOTAL FLOW (cfs.)	DEPTH FLOW (ft.)	PAVT. SPREAD (ft.)	
303+92	Begin																		
304+08	CB-3	16.00	0.90	0.05	2.20	0.35	10.00	0.0020	0.0800	0.0156	2.00	0.0000	4.41	*****	*****	0.20	0.174	2.91	Sag
304+08	Begin																		
304+47	CB-3	39.00	0.90	0.05	10.00	0.52	10.52	0.0070	0.0800	0.0156	2.00	0.0000	4.31	*****	*****	0.19	0.137	1.71	End

SUMP DATA

Total Flow (cfs) : 0.39

Ponded Depth (ft.) : 0.026

Spread on Pavement (ft.) : 1.73