

# APPENDIX A

## SUPPORTING DATA

**US HIGHWAY 40 BERTHOUD PASS SCAP**

Highway Segment	Treatment BMPs								
	Treatment Distance (mi)	Small Basin	Large Basin	Inlet Trap	Bench Trap (lf)	Pan Trap (lf)	Total Captured (cy)	Sediment Loading (cy)	Percent Captured
Westbound 244.35 to 244.3	1.35	5	5	1	350	0	215	270	80%
Eastbound 243.0 to 244.3	1.30	8	4	2	0	0	208	260	80%
Westbound 243.0 to 232.8	9.98	12	40	4	12,840	3,696	1,808	1,996	91%
Eastbound 232.8 to 243.0	9.92	56	23	28	1,750	0	1,414	1,984	71%
Corridor totals	22.55	81	72	35	14,940	0	3,645	4,510	81%
Corridor totals	Collection BMPs								
	Clean Water Bypass (lf)	Pan Drain (lf)	Knee Wall/ Pan Drain (lf)	Concrete Curb (lf)	Rundowns	Proposed Cross Drains	Existing Pan Drain (lf)	Existing Curb (lf)	Existing Basins
	22,950	48,590	16,550	4,520	36	3	11,700	5,200	3

600 tons/mile/year sand/solids application based on 400 t/mi average and 800 t/mi maximum  
 400 cu-yd/mile at 1.5 t/cy  
 Small basin 13-cy capacity (6W x 20L x 3D) 80%  
 Large basin 37-cy capacity (10W x 20L x 5D) 80%  
 Inlet trap 4-cy capacity (3W x 10L x 4D) 80%  
 Bench trap L x 0.07 (6W x L x 0.33D) 50%  
 Pan trap L x 0.02 (3W x L x 0.17D) 50%

**SCAP HIGHWAY DRAINAGE CHANNEL, EROSION, AND SEDIMENTATION  
INSPECTION FORM**

Milepost Range \_\_\_\_\_ Roadway \_\_\_\_\_  
 Survey Date \_\_\_\_\_ Time \_\_\_\_\_ Observers \_\_\_\_\_

Condition Categories: E=Excellent A=Acceptable F=Failed 1=Stable 2=Active

Description	Map MP	BMP	Sediment	Erosion	Vegetation	Photo	Time
							1
							2
							3
							4
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Comments/Observations:  
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BMP Codes: LB=large basin SB=small basin BRT=Berthoud trap BT=bench trap RD=rundown  
 VP=valley pan PD=pan drain KW=toe slope knee wall CC=concrete curb

