


SUMMARY OF EARTHWORK QUANTITIES

UNCLASSIFIED EXCAVATION		CUBIC YARDS
FOR ROADWAY		
US 50 MAIN LINE		
WEST END TO PUEBLO BLVD (STA 507+37.86 TO STA 552+79.28)		8,958
PUEBLO BLVD TO WHC BRIDGE (STA 553+63 TO 577+33.95)		11,095
WHC BRIDGE TO BNSF BRIDGE (STA 579+97.1 TO 597+86.00)		18,369
US 50 OFF RAMP (STA 445+30.00 TO 460+93.88)		14,773
US 50 ON RAMP (STA 400+00.00 TO 411+68.00)		3,437
PUEBLO BLVD		2,935
FOR CUT SLOPE TREATMENT		1,921
WATER QUALITY POND C		6,885
WATER QUALITY POND D		3,671
TOTAL		72,044
MUCK EXCAVATION		CUBIC YARDS
STATION XXX+XX TO XXX+XX		0
TOTAL		0
EMBANKMENT MATERIAL (NET)		CUBIC YARDS
FOR ROADWAY:		
US 50 MAIN LINE		
WEST END TO PUEBLO BLVD (STA 507+37.86 TO STA 552+79.28)	REGULAR EMBANKMENT	13,241
	TOP 2' OF EMB. (MIN. "R: 40)	25,824
PUEBLO BLVD TO WHC BRIDGE (STA 553+63 TO 577+33.95)	REGULAR EMBANKMENT	14,007
	TOP 2' OF EMB. (MIN. "R: 40)	19,808
WHC BRIDGE TO BNSF BRIDGE (STA 579+97.1 TO 597+86.00)	REGULAR EMBANKMENT	225
	TOP 2' OF EMB. (MIN. "R: 40)	7,917
US 50 OFF RAMP (STA 445+30.00 TO 460+93.88)	REGULAR EMBANKMENT	2
	TOP 2' OF EMB. (MIN. "R: 40)	3,946
US 50 ON RAMP (STA 400+00.00 TO 411+68.00)	REGULAR EMBANKMENT	828
	TOP 2' OF EMB. (MIN. "R: 40)	2,395
PUEBLO BLVD	REGULAR EMBANKMENT	865
	TOP 2' OF EMB. (MIN. "R: 40)	2,588
WATER QUALITY POND C		2,274
WATER QUALITY POND D		380
TOTAL		94,300
COMPACTION (AASHTO T 99)		CUBIC YARDS
TOTAL EMBANKMENT (NET)		94,300
BASES OF CUTS AND FILLS		10,370
TOTAL		104,670
BORROW		CUBIC YARDS
FROM CONTRACTOR'S SOURCE (MIN. R40)		62,478
TOTAL		62,478
FOR INFORMATION ONLY EARTHWORK QUANTITIES BALANCE		
UNCLASSIFIED EXCAVATION		Cubic Yards
Total Unclassified Excavation		72,044
Total Borrow		62,478
TOTAL		134,522
EMBANKMENT (NET)		
TOTAL		94,300
EMBANKMENT (NET) TIMES COMPACTION FACTOR		1.15
TOTAL		108,445
UNCLASSIFIED EXCAVATION		Cubic Yards
TOTAL		72,044
EMBANKMENT (NET)		
TOTAL		94,300
EMBANKMENT (NET) TIMES COMPACTION FACTOR		1.15
TOTAL		108,445

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 **J.F. SATO AND ASSOCIATES**
 5898 South Rapp Street
 Littleton, Colorado 80120

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



902 Erie Avenue
 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702

Region 2 **DTD**

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No Revisions:
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**US 50 WEST WESTBOUND
 TABULATION OF
 EARTHWORK**

Designer:	ACE	Structure	
Detailer:	ACE	Numbers	
Subset:	TAB	Subset Sheets:	01 of 06


Project No./Code
STA 0503-085
20344
Sheet Number 20

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202-00019 202-00026 202-00027 202-00035 202-00037 202-00195 202-00203 202-00220 202-00240 202-00700 202-01130 202-01300 210-01000 210-01190

TABULATION OF REMOVALS AND RESETS

Station		Location	Side	Removal of Inlet	Removal of Slope and Ditch Paving	Removal of Riprap	Removal of Pipe	Removal of End Section	Removal of Median Cover	Removal of Curb and Gutter	Removal of Asphalt Mat	Removal of Asphalt Mat (Planing)	Removal of Light Standard	Removal of Guardrail Type 3	Removal of End Anchorage	Reset Fence	Reset Tensioned Cable Barrier	Notes
From	To			EA	SY	SY	LF	EA	SY	LF	SY	SY	EA	LF	EA	LF	LF	
507+37.86	514+00.00	US 50	LT								2,649							WEST END MILL & OVERLAY AREA
507+37.86	517+00.00	US 50	LT & RT							1,356						962	962	FULL DEPTH RECONSTRUCTION ADJ. TO EB
512+98.58		US 50	LT					1										
517+00.00	520+07.94	US 50												1			308	CABLE BARRIER END ANCHOR FROM EB PROJECT
403+00.00	411+68.13	US 50 ON RAMP	LT & RT							3,678								ON RAMP FULL DEPTH RECONSTRUCTION
411+68.13	416+00.00										1,835							
526+98.63		US 50	RT					1										
532+15.65		US 50	RT	1														MEDIAN INLET
534+68.35		US 50	LT					1										
416+00.00	430+00.00	US 50 ON RAMP	LT & RT								5,905							
542+87.82		US 50	LT					1										
430+00.00	439+88.00	US 50 ON RAMP	LT & RT								4,387							
551+23.84		US 50	LT					1										
130+00.00	131+55.61	PUEBLO BLVD	RT							109								SAWCUT & WIDENING
130+00.00	138+50.00	PUEBLO BLVD	LT & RT								9,188							
132+95.13	137+67.72	PUEBLO BLVD	RT							320								SAWCUT & WIDENING
138+21.60	138+50.00	PUEBLO BLVD	RT							24								SAWCUT & WIDENING
441+00.00	444+50.00	US 50 OFF RAMP	LT & RT								2,090							
554+81.61	554+82.26	US 50	LT		160													ASPHALT SLOPE AND DITCH PAVING
556+06.19	556+06.21	US 50	LT				83	1										
444+50.00	445+29.09	US 50 OFF RAMP	LT & RT								442							
445+30.00	458+88.35	US 50 OFF RAMP	LT & RT							6,424								REMOVAL OF EXISTING US 50 WB
572+00.00	576+84.53	US 50	LT							2,052								
575+18.69	577+72.84	US 50	LT & RT										267	1				AT EXISTING EB BRIDGE
575+53.94	576+86.42	US 50	LT										220	2				AT EXISTING WB BRIDGE
576+21.54	579+39.06	US 50	LT												155			AT WILD HORSE DRY CREEK
578+43.45	580+70.35	US 50	LT										427	2				AT EXISTING WB BRIDGE
578+47.07	586+00.00	US 50	LT & RT							4,963								
583+31.93	583+71.41	US 50	LT				40	2										
586+00.00	595+80.03	US 50	LT & RT							4,663								
589+69.79	590+61.16	US 50	RT						101	190								WEST OF RAILROAD BRIDGE
593+38.66	594+69.33	US 50	LT		168													RAILROAD BRIDGE SLOPE PAVING
594+61.76	595+79.83	US 50	LT			164												
595+79.55	596+15.75	US 50	LT	1			22											MODIFY US 50 WB STORM SYSTEM
595+79.83	597+86.85	US 50	LT							208								
138+50.00	144+37.83	PUEBLO BLVD	RT							158	3,940							
128+66.37	130+00.00	PUEBLO BLVD	RT							85	1,280							
PROJECT TOTAL				2	328	164	145	8	101	398	23,832	31,716	0	914	6	1,117	1,270	

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 **J.F. SATO AND ASSOCIATES**
 5898 South Rapp Street
 Littleton, Colorado 80120

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Colorado Department of Transportation
 902 Erie Avenue
 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702
Region 2 **DTD**

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**US 50 WEST WESTBOUND
 TABULATION OF
 REMOVALS AND RESETS**

Designer: ACE
 Detailer: ACE
 Subset: TAB

Structure Numbers
 Subset Sheets: 02 of 06

Project No./Code
 STA 0503-085
 20344
 Sheet Number **21**

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606-00301 606-00350 606-00710 606-00716 606-01340 606-01370 606-01380 606-01460 606-02003 606-02005 606-20014 606-21010


Station		SIDE	Guardrail Type 3 (31 in. MGS) (6-3 Post Spacing)	Guardrail Type 3 (Double) (31 in. MGS) (6-3 Post Spacing)	Guardrail Type 7 (Style CA)	Guardrail Type 7 (Style CA) (Special)	End Anchorage Type 3D (31 in. MGS)	Transition Type 3G	Transition Type 3H	Median Terminal	End Anchorage (Nonflared)	End Anchorage (Flared)	Tensioned Cable Barrier (TL-4)	End Anchorage (Tensioned Cable Barrier)	Remarks
From	To		LF	LF	LF	LF	Each	Each	Each	Each	Each	Each	LF	Each	
520+07.94	552+55.30	RT											3,251	2	TIE INTO EXISTING CABLE
553+67.22	571+57.66	RT											1,791	2	
570+58.88	571+10.11	RT								1					AT SIGN BRIDGE
571+10.11	577+50.00	RT	650					1							SIGN BRIDGE TO BRIDGE
571+10.11	577+63.86	RT	650					1							SIGN BRIDGE TO BRIDGE
572+66.21	577+15.72	LT	450				1		1						SIGN BRIDGE TO BRIDGE
579+78.86	581+78.86	LT	200					1			1				WB BRIDGE
580+13.05	581+11.57	RT	100					1							EB BRIDGE
580+14.73	581+11.57	RT	100												WB BRIDGE
581+11.57	581+69.04	RT		62.5						1					
593+34.91	594+72.93	LT				138		1							BNSF RR BRIDGE
594+92.20	595+42.20	LT	50								1				BNSF RR BRIDGE
405+21.36	405+54.20	LT	12.5		10			1				1			SHIELD OHE POLE
TOTALS			2,213	63	10	138	1	6	1	2	2	1	5,042	4	

Note: Guardrail post shall be steel with synthetic blocks.

612-00001 612-00002 612-00003

Station		Side	Spacing (FT)	Curve Radius (FT)	Type I			Type II		Type III			Notes
From	To				Crystal Each	Green Each	Yellow Each	Crystal Each	Yellow Each	Yellow Each	Green Each	Blue-2Yellow Each	
507+37.86	520+31.08	Lt.	528			3							
507+37.86	516+37.86	Rt.	100				9					Acceleration Lane on US 50	
520+31.08	530+57.13	Lt.&Rt.	247	6,800	7	7							
530+57.13	571+10.11	Lt.&Rt.	528		10	10		4	1				
571+10.11	577+63.83	Rt.	37.5			20			1			For US 50 EB	
571+10.11	577+34.99	Lt.	528		4								
579+59.59	582+33.93	Lt.	37.5		8				1				
579+94.94	581+61.14	Rt.	37.5			5			1				
582+33.93	593+34.91	Lt.&Rt.	528		5	6					4	Median Crossover	
593+34.91	595+97.28	Lt.				1				1			
401+12.54	411+68.13	Lt.&Rt.	160	2,867	9	9						On Ramp	
445+30.00	446+07.50	Lt.&Rt.	528		1	1						Off Ramp	
446+07.50	449+71.29	Lt.&Rt.	127	1,840	3	3						Off Ramp	
449+71.29	453+67.60	Lt.&Rt.	528		3	3						Off Ramp	
453+67.60	458+77.80	Lt.&Rt.	120	1,640	7	7						Off Ramp	
128+66.37	131+38.59	Rt.	100		3							Pueblo Blvd	
131+38.59	137+68.89	Rt.	528		4							Pueblo Blvd	
138+20.00	144+37.82	Rt.	100				7					Pueblo Blvd width reduction	
SUBTOTALS					64	1	74	16	4	4	1	4	
PROJECT TOTALS						139		20		9			

For Information Only: It is Estimated that 53 (Each) Removal of Delineators will be required.

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 J.F. SATO AND ASSOCIATES
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 Littleton, Colorado 80120

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 902 Erie Avenue
 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702
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US 50 WEST WESTBOUND
 TABULATION OF
 GUARDRAIL AND DELINEATORS
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20344
Sheet Number 22

202-04002 206-00510 420-00112 506-00206 506-00209 601-01000 603-01185 603-01245 603-02185 603-05024 603-05118 603-10240 603-30024 604-00305 604-00506 604-19210

Tabulation of Drainage Structures

Structure Number	Station	Invert Offset (LF)	Side	Clean Culvert	Filter Mat (Class A)	Geotextile (Drainage) (Class I)	Riprap (6 Inch)	Riprap (9 Inch)	Concrete Class B	Reinforced Concrete Pipe (Complete In Place)		Reinforced Concrete Pipe Elliptical (Complete In Place)	Reinforced Concrete End Section	Reinforced Concrete End Section Elliptical	Corrugated Steel Pipe	Steel End Section	Inlet			
										18"	24"						Type C	Type D (Special) (5 Ft)	Inlet Type R L 10 (10 Foot)	
										LF	LF	LF	EACH	EACH	LF	EACH	H	H	H	
				EACH	CY	SY	CY	CY	CY								5	5	10	
P-101	512+98.64	67.26	LT	1										20	1					
P-102	526+98.39	89.50	LT	1										33	1					
IN-101	532+22.46	20.75	LT	1												1				
P-103	534+91.76	91.18	LT	1	3	8		4			48	1								
P-104	542+92.51	93.27	LT	1							9	1								
P-105	551+12.37	93.94	LT	1									1							
P-106	552+60.00 TO 554+00	73.00	LT								128	2								
MH1	556+06.19	20.23	LT																	
P-107	556+06.20	114.99	LT	1							129	1								
P-108	569+26.02 TO 569+80.78	64.44 TO 129.67	LT		3	8		4			73	2								
P-112	583+18.58 TO 583+79.20	60.27 TO 58.69	LT								49	2								
P-111	596+17.57	36.53	LT							20										
IN-104	596+17.57	36.53	LT																1	
Water Quality Pond																				
IN-102	575+55.32	155.46	LT																1	
P-109	575+55.32 TO 576+28.79	155.46 TO 195.39	LT		4	10		7			75	1								
P-110	579+21.00 TO 579+92.41	69.48 TO 108.73	LT		3	8		4			73	1							1	
IN-103	579+92.41	108.73	LT																	
Pond C	575+08.75	139.50	LT		28		29	42	6.2											
Pond D	580+20.53	105.34	LT		22		23	38	5.4											
PROJECT TOTALS					7	63	34	52	99	11.6	20	584	68	11	1	103	2	1	2	1

NOTE: STATION AND OFFSET CORRESPOND TO F.E.S. INVERT WHERE APPLICABLE

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J. F. SATO AND ASSOCIATES
5898 South Rapp Street
Littleton, Colorado 80120



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Region 2

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**US 50 WEST WESTBOUND
TABULATION OF
DRAINAGE**

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Subset:	TAB		

Project No./Code

STA 0503-085

20344

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