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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY			K-18-DA			K-18-BL			K-18-CZ Box Culvert			PROJECT TOTALS	
BOOK	PAGE	SHEET				PLAN	AS CONST.		PLAN	AS CONST.		PLAN	AS CONST.		PLAN	AS CONST.		PLAN	AS CONST.
			201-00000	Clearing and Grubbing	L S	1												1	
			202-00019	Removal of Inlet	EACH	2												2	
			202-00026	Removal of Slope and Ditch Paving	SY	328												328	
			202-00027	Removal of Riprap	SY	164												164	
			202-00035	Removal of Pipe	LF	145												145	
			202-00037	Removal of End Section	EACH	8												8	
			202-00090	Removal of Delineator	EACH	53												53	
			202-00195	Removal of Median Cover	SY	101												101	
			202-00203	Removal of Curb and Gutter	LF	398												398	
			202-00220	Removal of Asphalt Mat	SY	23,832												23,832	
			202-00240	Removal of Asphalt Mat (Planing)	SY	31,716												31,716	
			202-00250	Removal of Pavement Marking	SF	2,500												2,500	
			202-00400	Removal of Bridge	EACH				1									1	
			202-00495	Removal of Portions of Present Structure	L S									1				1	
			202-00810	Removal of Ground Sign	EACH	13												13	
			202-00821	Removal of Sign Panel	EACH	10												10	
			202-00827	Removal of Pull Box	EACH	7												7	
			202-00831	Removal of Traffic Signal Head	EACH	1												1	
			202-00840	Removal of Traffic Signal Pole	EACH	2												2	
			202-00848	Removal of Traffic Signal Controller and Cabinet	EACH	1												1	
			202-00858	Removal of Pedestal Pole	EACH	1												1	
			202-01130	Removal of Guardrail Type 3	LF	914												914	
			202-01300	Removal of End Anchorage	EACH	6												6	
			202-04002	Clean Culvert	EACH	7												7	
			203-00010	Unclassified Excavation (Complete In Place)	CY	72,044												72,044	
			203-00066	Embankment Material (Complete In Place) (R40)	CY	62,478												62,478	
			203-00400	Rock Excavation	CY									748				748	
			203-01500	Blading	HOUR	300												300	
			203-01510	Backhoe	HOUR	300												300	
			203-01550	Dozing	HOUR	300												300	
			203-01597	Potholing	HOUR	100												100	
			206-00000	Structure Excavation	CY				581					909				1,490	
			206-00100	Structure Backfill (Class 1)	CY				813					1,326				2,139	

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US 50 WEST WESTBOUND
 TABULATION
 SUMMARY OF APPROXIMATE QTY


Designer: ACE
 Detailer: ACE
 Subset: TAB

Structure Numbers
 Subset Sheets: 01 of 07

Project No./Code
 STA 0503-085
 20344
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BOOK	PAGE	SHEET				PLAN	AS CONST.		PLAN	AS CONST.		PLAN	AS CONST.		PLAN	AS CONST.		PLAN	AS CONST.
			206-00360	Mechanical Reinforcement of Soil	CY				729									729	
			206-00510	Filter Material (Class A)	CY	63												63	
			206-01781	Shoring (Area 1)	L S				1									1	
			206-01782	Shoring (Area 2)	L S				1									1	
			207-00205	Topsoil	CY	7,744												7,744	
			208-00007	Erosion Log Type 2 (8 Inch)	LF	1,300												1,300	
			208-00020	Silt Fence	LF	6,900												6,900	
			208-00035	Aggregate Bag	LF	400												400	
			208-00045	Concrete Washout Structure	EACH	4												4	
			208-00051	Storm Drain Inlet Protection (Type I)	LF	20												20	
			208-00053	Storm Drain Inlet Protection (Type I)	EACH	1												1	
			208-00070	Vehicle Tracking Pad	EACH	4												4	
			208-00103	Removal and Disposal of Sediment (Labor)	HOUR	400												400	
			208-00105	Removal and Disposal of Sediment (Equipment)	HOUR	400												400	
			208-00106	Sweeping (Sediment Removal)	HOUR	800												800	
			208-00107	Removal of Trash	HOUR	300												300	
			208-00207	Erosion Control Management	DAY	300												300	
			208-00400	Water Control	L S				0.5					0.5				1	
			210-00476	Reset Microwave Vehicle Radar Detector (MVRD)	EACH	2												2	
			210-00815	Reset Sign Panel	EACH	2												2	
			210-00825	Reset Flashing Beacon	EACH	3												3	
			210-00831	Reset Traffic Signal Head	EACH	4												4	
			210-00848	Reset Traffic Signal Controller and Cabinet	EACH	1												1	
			210-00865	Reset Pedestrian Signal Head	EACH	2												2	
			210-00890	Reset Intersection Detection System (Camera)	EACH	5												5	
			210-01000	Reset Fence	LF	1,117												1,117	
			210-01190	Reset Tensioned Cable Barrier	LF	1,270												1,270	
			210-02900	Relay Riprap	CY				679									679	
			211-03005	Dewatering	L S				0.5					0.5				1	
			212-00006	Seeding (Native)	ACRE	14.4												14.4	
			212-00032	Soil Conditioning	ACRE	14.4												14.4	
			213-00002	Mulching (Weed Free Hay)	ACRE	7.5												7.5	
			213-00061	Mulch Tackifier	LB	1,504												1,504	

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US 50 WEST WESTBOUND
 TABULATION
 SUMMARY OF APPROXIMATE QTY
 Designer: ACE Structure Numbers
 Detailer: ACE
 Subset: TAB Subset Sheets: 02 of 07

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 STA 0503-085
 20344
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BOOK	PAGE	SHEET				PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.		
			214-00145	Plant Protection Fence	LF	1,000														1,000	
			214-01015	Willow Cuttings	EACH	1,100														1,100	
			216-00201	Soil Retention Blanket (Straw-Coconut) (Biodegradable Class 1)	SY	33,300														33,300	
			217-00015	Noxious Weed Management	SY	1,230														1,230	
			240-00010	Removal of Nests	HOUR	10														10	
			240-00020	Netting	SY	50														50	
			250-00010	Environmental Health and Safety Management	L S	1														1	
			250-00050	Monitoring Technician	HOUR	40														40	
			250-00110	Health and Safety Officer	HOUR	40														40	
			250-00120	Material Sampling and Delivery	EACH	5														5	
			250-00200	Material Handling (Stockpile)	CY	50														50	
			250-00210	Solid Waste Disposal	CY	50														50	
			250-00220	Hazardous Waste Disposal	CY	50														50	
			304-06000	Aggregate Base Course (Class 6)	TON	22,531.43														22,531.43	
			403-00720	Hot Mix Asphalt (Patching) (Asphalt)	TON	100														100	
			403-34841	Hot Mix Asphalt (Grading SX) (100) (PG 64-22)	TON	23,571.09														23,571.09	
			403-34871	Hot Mix Asphalt (Grading SX) (100) (PG 76-28)	TON	11,377.87			245											11,622.87	
			411-10255	Emulsified Asphalt (Slow-Setting)	GAL	15,694														15,694	
			420-00102	Geotextile (Erosion Control) (Class 1)	SY				2,910											2,910	
			420-00112	Geotextile (Drainage) (Class 1)	SY	34														34	
			502-11253	Steel Piling (HP 12x53)	LF				581											581	
			503-00012	Drilled Caisson (12 Inch)	LF	4														4	
			503-00036	Drilled Caisson (36 Inch)	LF	45														45	
			503-00048	Drilled Caisson (48 Inch)	LF				250											250	
			503-00054	Drilled Caisson (54 Inch)	LF	51														51	
			506-00206	Riprap (6 Inch)	CY	52														52	
			506-00209	Riprap (9 Inch)	CY	99														99	
			506-00218	Riprap (18 Inch)	CY				2,326											2,326	
			507-00100	Concrete Slope and Ditch Paving (Reinforced)	CY	10														10	
			509-08201	Retrofit/Repair Type I	EACH							22								22	
			509-08202	Retrofit/Repair Type II	EACH							20								20	
			515-00120	Waterproofing (Membrane)	SY				1,512											1,512	

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US 50 WEST WESTBOUND
 TABULATION
 SUMMARY OF APPROXIMATE QTY

Designer: ACE	Structure Numbers
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Subset: TAB	Subset Sheets: 03 of 07

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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY		K-18-DA		K-18-BL		K-18-CZ Box Culvert		PROJECT TOTALS		
BOOK	PAGE	SHEET				PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	
			518-01004	Bridge Expansion Device (0-4 Inch)	LF			152							152	
			601-01000	Concrete Class B	CY	11.6									11.6	
			601-03030	Concrete Class D (Box Culvert)	CY							608			608	
			601-03040	Concrete Class D (Bridge)	CY			850							850	
			602-00000	Reinforcing Steel	LB			25,185				95,345			120,530	
			602-00020	Reinforcing Steel (Epoxy Coated)	LB			143,665							143,665	
			603-01185	18 Inch Reinforced Concrete Pipe (Complete In Place)	LF	20									20	
			603-01245	24 Inch Reinforced Concrete Pipe (Complete In Place)	LF	584									584	
			603-02185	23x14 Inch Reinforced Concrete Pipe (Complete In Place)	LF	68									68	
			603-05024	24 Inch Reinforced Concrete End Section	EACH	11									11	
			603-05118	23x14 Inch Reinforced Concrete End Section Elliptical	EACH	1									1	
			603-10240	24 Inch Corrugated Steel Pipe	LF	103									103	
			603-30024	24 Inch Steel End Section	EACH	2									2	
			603-50015	15 Inch Plastic Pipe	LF			68							68	
			604-00305	Inlet Type C (5 Foot)	EACH	1									1	
			604-00506	Inlet Type D (Special) (5 Foot)	EACH	2									2	
			604-19210	Inlet Type R L 10 (10 Foot)	EACH	1									1	
			604-30010	Manhole Slab Base (10 Foot)	EACH	1									1	
			606-00301	Guardrail Type 3 (6-3 Post Spacing) Midwest Guardrail System (MGS) Type 3 W-Beam 31 Inches.	LF	2,236									2,236	
			606-00350	Guardrail Type 3 (Double) (6-3 Post Spacing)	LF	50									50	
			606-00710	Guardrail Type 7 (Style CA)	LF	10									10	
			606-00716	Guardrail Type 7 (Style CA) (Special)	LF	138									138	
			606-01340	End Anchorage Type 3D (31 in MGS)	EACH	1									1	
			606-01370	Transition Type 3G (31 in MGS)	EACH	6									6	
			606-01380	Transition Type 3H (31 in MGS)	EACH	1									1	
			606-01460	Median Terminal	EACH	2									2	
			606-02003	End Anchorage (Nonflared)	EACH	3									3	
			606-02005	End Anchorage (Flared)	EACH	1									1	
			606-11000	Bridge Rail Type 10	LF			467							467	
			606-20014	Tensioned Cable Barrier (TL-4)	LF	5,042									5,042	

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US 50 WEST WESTBOUND
TABULATION
SUMMARY OF APPROXIMATE QTY

Designer:	ACE	Structure Numbers	
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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY				K-18-DA				K-18-BL				K-18-CZ Box Culvert				PROJECT TOTALS	
BOOK	PAGE	SHEET				PLAN	AS CONST.			PLAN	AS CONST.			PLAN	AS CONST.			PLAN	AS CONST.			PLAN	AS CONST.
			606-21010	End Anchorage (Tensioned Cable Barrier)	EACH	4															4		
			609-21011	Curb and Gutter Type 2 (Section I-M)	LF	1,851															1,851		
			609-21021	Curb and Gutter Type 2 (Section II-M)	LF	314															314		
			610-00024	Median Cover Material (4 Inch Patterned Concrete)	SF	9,619															9,619		
			612-00001	Delineator (Type I)	EACH	139															139		
			612-00002	Delineator (Type II)	EACH	20															20		
			612-00003	Delineator (Type III)	EACH	9															9		
			613-00200	2 Inch Electrical Conduit	LF	1,406				482											1,888		
			613-00206	2 Inch Electrical Conduit (Bored)	LF	290															290		
			613-00306	3 Inch Electrical Conduit (Bored)	LF	580															580		
			613-01200	2 Inch Electrical Conduit (Plastic)	LF	2,030															2,030		
			613-01300	3 Inch Electrical Conduit (Plastic)	LF	65															65		
			613-07023	Pull Box (24"x36"x24")	EACH	2															2		
			613-07039	Pull Box (30"x48"x18")	EACH	4															4		
			613-10000	Wiring	L S	1															1		
			613-13004	Luminaire (Special)(LED)(130 Watt)	EACH	5															5		
			613-13006	Luminare (LED) (8500 Lumens)	EACH	3															3		
			613-34400	Light Standard Metal (40 Foot)	EACH	5															5		
			613-40010	Light Standard Foundation	EACH	5															5		
			613-50105	Lighting Control Center (Pedestal Only)	EACH	1															1		
			613-50355	Power Transformer	EACH	1															1		
			614-00011	Sign Panel (Class I)	SF	100															100		
			614-00012	Sign Panel (Class II)	SF	495															495		
			614-00013	Sign Panel (Class III)	SF	661															661		
			614-00615	Steel Sign Post (W 6x15)	LF	29															29		
			614-01502	Steel Sign Support (2-Inch Round)(Post & Socket)	LF	8															8		
			614-01572	Steel Sign Support (2-1/2 Inch Round NP-40) (Post & Slipbase)	LF	424															424		
			614-03002	Concrete Footing (Type 2)	EACH	2															2		
			614-42000	Monotube Overhead Sign Bridge (20 Inch Diameter)	EACH	1															1		
			614-70150	Pedestrian Signal Face (16) (Countdown)	EACH	2															2		
			614-70336	Traffic Signal Face (12-12-12)	EACH	10															10		
			614-70448	Traffic Signal Face (12-12-12-12)	EACH	4															4		

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US 50 WEST WESTBOUND
TABULATION
SUMMARY OF APPROXIMATE QTY

Designer:	ACE	Structure Numbers	
Detailer:	ACE	Subset Sheets:	05 of 07
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Project No./Code	STA 0503-085
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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY			K-18-DA			K-18-BL			K-18-CZ Box Culvert			PROJECT TOTALS	
BOOK	PAGE	SHEET				PLAN	AS CONST.		PLAN	AS CONST.		PLAN	AS CONST.		PLAN	AS CONST.		PLAN	AS CONST.
			614-72855	Traffic Signal Controller Cabinet	EACH	1												1	
			614-72860	Pedestrian Push Button	EACH	2												2	
			614-72886	Intersection Detection System (Camera)	EACH	1												1	
			614-80000	Flashing Beacon	EACH	2												2	
			614-80385	Rumble Strip	LF	17,200												17,200	
			614-81145	Traffic Signal-Light Pole Steel (1-45 Foot Mast Arm)	EACH	1												1	
			614-81155	Traffic Signal-Light Pole Steel (1-55 Foot Mast Arm)	EACH	2												2	
			614-87350	Test Fiber Optic Cable	L S	1												1	
			614-87424	Fiber Optic Cable (Single Mode) (24 Strands)	LF	690												690	
			614-87524	Splice Fiber Optic Cable (24 Strand)	EACH	2												2	
			614-87624	Terminate Fiber Optic Cable (24 Strand)	EACH	2												2	
			618-00142	Prestressed Concrete I (BT42)	LF				1,270									1,270	
			620-00002	Field Office (Class 2)	EACH	1												1	
			620-00012	Field Laboratory (Class 2)	EACH	1												1	
			620-00020	Sanitary Facility	EACH	2												2	
			621-00450	Detour Pavement	SY	275												275	
			625-00000	Construction Surveying	L S	1												1	
			626-00000	Mobilization	L S	1												1	
			626-01103	Public Information Services (Tier III)	L S	1												1	
			627-00008	Modified Epoxy Pavement Marking	GAL	187												187	
			627-00011	Pavement Marking Paint (Waterborne)	GAL	400												400	
			627-30405	Preformed Thermoplastic Pavement Marking (Word-Symbol)	SF	504												504	
			627-30410	Preformed Thermoplastic Pavement Marking (Xwalk-Stop Line)	SF	1,325												1,325	
			630-00000	Flagging	HOUR	5,000												5,000	
			630-00007	Traffic Control Inspection	DAY	220												220	
			630-00012	Traffic Control Management	DAY	300												300	
			630-80001	Flashing Beacon (Portable)	EACH	24												24	
			630-80335	Barricade (Type 3 M-A) (Temporary)	EACH	6												6	
			630-80341	Construction Traffic Sign (Panel Size A)	EACH	22												22	
			630-80342	Construction Traffic Sign (Panel Size B)	EACH	98												98	
			630-80344	Construction Traffic Sign (Special)	SF	165												165	

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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY		K-18-DA				K-18-BL				K-18-CZ Box Culvert				PROJECT TOTALS		
BOOK	PAGE	SHEET				PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.			
			630-80355	Portable Message Sign Panel	EACH	4														4		
			630-80358	Advance Warning Flashing or Sequencing Arrow Panel (C Type)	EACH	4														4		
			630-80360	Drum Channelizing Device	EACH	200														200		
			630-80363	Drum Channelizing Device (With Light) (Flashing)	EACH	175														175		
			630-80370	Concrete Barrier (Temporary)	LF	3,200														3,200		
			630-80380	Traffic Cone	EACH	500														500		
			630-85011	Impact Attenuator (Temporary)	DAY	400														400		
			630-85041	Mobile Attenuator	DAY	200														200		
			700-70010	FORCE ACCOUNT =====	F A	1														1		
			700-70011	F/A Partnering	F A	1														1		
			700-70012	F/A Asphalt Pavement Incentive	F A	1														1		
			700-70016	F/A Fuel Cost Adjustment	F A	1														1		
			700-70018	F/A Roadway Smoothness Incentive	F A	1														1		
			700-70019	F/A Asphalt Cement Cost Adjustment	F A	1														1		
			700-70023	F/A On-The-Job Trainee	F A	1														1		
			700-70032	F/A Emergency Repair	F A	1														1		
			700-70034	F/A F/A Removal of Asbestos and Lead Based Paint	F A	1														1		
			700-70035	F/A F/A Prairie Dog Management	F A	1														1		
			700-70040	F/A Railroad	F A	1														1		
			700-70060	F/A Adjust F/A Adjust Utilities	F A	1														1		
			700-70082	F/A Furnish & Install Electrical Service	F A	1														1		
			700-70380	F/A Erosion Control	F A	1														1		
			700-70426	F/A Stabilization	F A	1														1		
			700-70589	F/A Environmental Health & Safety Management	F A	1														1		
			700-70594	F/A DRB Standing Committee	F A	1														1		
			900-00008	F/A OCIP (Third Party)	F A	1														1		
																					1	

Print Date: 3/13/2017		Sheet Revisions				As Constructed	US 50 WEST WESTBOUND				Project No./Code		
File Name: 20344TAB_SAO7.dgn		Date:	Comments	Init.			No Revisions:	TABULATION				STA 0503-085	
Horiz. Scale: 1:1 Vert. Scale:							Revised:	SUMMARY OF APPROXIMATE QTY				20344	
JFS&A J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702	Designer: ACE Structure Detailer: ACE Numbers	Subset Sheets: 07 of 07				Sheet Number 19		