#### Oversight / NHS

FHWA REGION VIII OVERSIGHT?

■ NO □ YES

NATIONAL HIGHWAY SYSTEM?

□ NO ■ YES

# DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

Related Projects:

P. E. UNDER PROJECT: Project Number Project Code:

FSA 0503-081 19751

R.O.W. Projects:

R.O.W. Project Description

FSA 0503-081 19751

TARIHATION OF LENGTH & DECICAL DATA

TABOLATION OF LENGTH & DES.	IGN DATA		]
	FEET		_
STATION	ROADWAY	MAJOR	
	US 50	STR.,	
SIN FSA 0503-081 ON US 50			C
EGIN APPROACH TO PROJECT ON US 50 = M.P. 307.0			C

BEGIN McCULLOCH BLVD INTERSECTION IMPROVEMENTS STA. 700+37.13 = MP 307.34 END McCULLOCH BLVD INTERSECTION IMPROVEMENTS STA. 721+41.51 = MP 307.67 1,754.0

NO WORK ZONE MP 307.67 TO 309.78 BEGIN US 50 WIDENING AND OVERLAY STA. 97+13.10 = MP 309.78

14,560,5 BEGIN STRUCTURE K-18-CW STA: 242+73.64 = M.P. 312.56 END STRUCTURE K-18-CW

END US 50 WIDENING AND OVERLAY STA: 274+12.08 = MP 313:15 2,901.6 BEGIN APPROACH TO PROJECT = MP 313:5 END FSA 0503-081 ON US 50 TOTAL 19.216.2 233.1 SUMMARY OF PROJECT LENGTH FEET MILES

MAJOR STRUCTURE PROJECT GROSS LENGTH 19,449.3 DESIGN DATA US 50 (EB)

STA, 245+06,76 = MP 312,60

MAXIMUM RADIUS OF CURVE 6,844 FT. MAXIMUM GRADE 5,20% MINIMUM S.S.D. HORIZONTAL 495 FT 495 FT. MINIMUM S.S.D. VERTICAL MAXIMUM DESIGN SPEED 2035 DESIGN TRAFFIC DHV = 4,493 vphADT = 43,425 vpdDHV TRUCK % 6 40% CLEAR ZONE DISTANCE (TANGENT) 24 FT. CLEAR ZONE DISTANCE (XXX MIN. RADIUS) 24 FT. 18 FT CONSTRUCTION CLEAR ZONE (MIN 18')

BEGIN McCULLOCH BLVD INT. **IMPROVEMENTS** M.P. 307.34

0.04

233 1

233.1

END McCULLOCH BLVD INT. IMPROVEMENTS M.P. 307.67

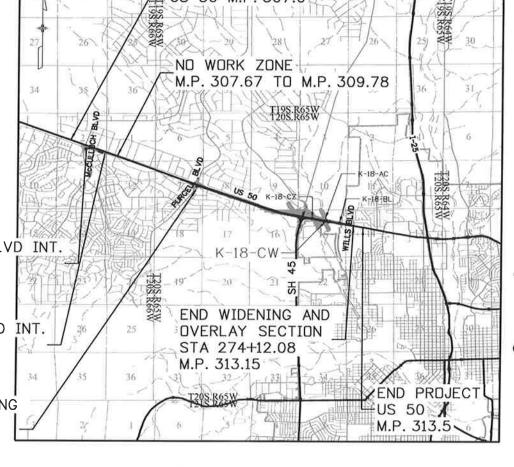
BEGIN US 50 WIDENING AND OVERLAY STA 97+13.10

M.P. 309.78

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED FEDERAL AID PROJECT NO. FSA 0503-081 UNITED STATES HIGHWAY NO. 50 **PUEBLO COUNTY** CONSTRUCTION PROJECT CODE NO.19751

BEGIN PROJECT

US 50 M.P. 307.0



SHEET NO. INDEX OF SHEETS

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102-117 GRADING AND DRAINAGE PLANS 118-119 POND DETAILS 120-128

DRAINAGE DETAILS 129-140 CROSS PIPE PLAN AND PROFILES 141-144 STORM SYSTEM PLAN AND PROFILE 145-146 STORM SYSTEM LATERAL PROFILES

147-178 BRIDGE PLANS

179 RAILROAD BRIDGE SLOPE PAVING MODIFICATIONS

180 HEADWALL DETAIL (R-1) 181a-182a ENVIRONMENTAL PLAN 183-200 ENVIRONMENTAL PLAN 200-204 STORMWATER MANAGEMENT NOTES

205-220 STORMWATER MANAGEMENT PLAN - INITIAL 221-236 STORMWATER MANAGEMENT PLAN - FINAL (R-D) 237a TABULATION OF TRAFFIC ENGINEERING ITEMS

238-245 CONSTRUCTION PHASING

246-278 CONSTRUCTION TRAFFIC CONTROL (CTC) 279-282 TRAFFIC SIGNAL PLANS AND TABULATION 283 - 285 SIGNING AND PAVEMENT MARKING TABULATION

286-301 SIGNING AND STRIPING PLAN 302-303 CLASS III CROSS SECTIONS 304 ITS PLAN AND TABULATION

PROJECT LOCATION MAP

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Unit Information	DTD	6
JFS@A	J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120	

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Colorado	Department of Tr	ansportation
co S	902 Erie Avenue Pueblo, CD 81001 Phone: 719-562-5509	FAX: 719-546-5702

DTD

Region 2

As Constructed	Project No./Code					
	Contractor:					
No Revisions:	Resident Engineer:	FSA 0503-081				
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INDEX	CONTRACT	CONTRACT ITEM	UNIT	ROA	ADWAY						STRUCTURE	K-18-CW				OJECT DTALS
K PAGE SHEET	ITEM NO.	GONTION OF THEM	ONIT	PLAN	AS CONST.						PLAN	AS CONST,			PLAN	AS C
	212-00006	Seeding (Native)	ACRE	19.6											19.6	+
	212-00010	Seeding (Lawn)	LB	5											5	
	212-00025	Seeding (Shrubs)	LB	5											5	
	212-00032	Soil Conditioning	ACRE	10											10	
	212-00040	Soil Preparation (Lawn)	ACRE	1											1	
	213-00002	Mulching (Weed Free Hay)	ACRE	20											20	$\vdash$
	213-00061	Mulch Tackifier	LB	6											6	
	213-00150	Bonded Fiber Matrix	ACRE	1											1	
	214-00205	Deciduous Tree (5 Gallon Container)	EACH	2											2	Т
	214-01015	Willow Cuttings	EACH	1,100											1,100	
	216-00042	Soil Retention Blanket (Biodegradable													1,100	1
		Straw/Coconut)	SY	2,420											2,420	
		Turf Reinforcement Mat (Class 1)	SY	17											17	
	217-00020	Herbicide Treatment	HOUR	80											80	$\vdash$
	240-00010	Removal of Nests	HOUR	40											40	
	240-00020	Netting	SY	50											50	
R-D-	240-00100	Prairie Dog Management	L S	1											1	
	250-00010	Environmental Health and Safety Management	L S	1					1						1	
	250-00050	Monitoring Technician	HOUR	80				-	-				1 1		80	
	250-00110	Health and Safety Officer	HOUR	80											80	
	250-00200	Material Handling (Stockpile)	CY	100											100	
	250-00210	Solid Waste Disposal	CY	50											50	
:	250-00220	Hazardous Waste Disposal	CY	50						<b> </b>					50	
	304-06000	Aggregate Base Course (Class 6)	TON	57,645											57,645	-
	306-01000	Reconditioning	SY	29,529											29,529	
	403-00720	Hot Mix Asphalt (Patching) (Asphalt)	TON	105											105	
	403-33841	Hot Mix Asphalt (Grading S) (100) (PG 64-22)	TON	20,957											20,957	
	403-34841	Hot Mix Asphalt (Grading SX) (100) (PG 64-22)	TON								243				243	
		Hot Mix Asphalt (Grading SX) (100) (PG 76-28)	TON	15,555					-						15,555	
	- 1	Emulsified Asphalt (Slow-Setting)	GAL	13,023											13,023	
		Concrete Pavement (6 Inch)	SY	20											20	
		Geotextile (Erosion Control) (Closs 1)	SY								4,199					
1 1		Geotextile (Drainage) (Class 1)	SY	567							r, 133				4,199	
	.20 00112	Total (Signings) (Oldas 1)		307											567	

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

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Colorado	Department of Tr	ansportation
COCO	902 Erie Avenue Pueblo, CD 81001 Phone: 719-562-5509	FAX: 719-546-570

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As Constructed	US 50 PURCELL BLVD.	WEST	Project No./Code				
No Revisions:	FORCELL BLVD.	TO WILLS BLVD.	FSA 0503-081				
Revised:	Designer:	Structure Numbers	19751				
Void:	Detailer: Subset:	Subset Sheets: of	Sheet Number 12a				

INDEX	CONTRACT	CONTRACT ITEM	LINIT	ROA	DWAY					STRUCTURE	K-18-CW			PROJE( TOTAL:
PAGE SHEET	ITEM NO.	CONTRACT HEM	UNIT	PLAN	AS CONST.					PLAN	AS CONST,			PLAN AS
	614-87011	Fiber Optic Cable (Single Mode) (24 Fiber)	LF	50										50
	614-87524	Splice Fiber Optic Cable (24 Strand)	EACH	1										1
1 1 1		Prestressed Concrete I (BT42)	LF							770				1770
		Field Office (Closs 2)								730				730
1 1 1			EACH	1										1
		Field Laboratory (Class 2)	EACH	1										1
	620-00020	Sanitary Facility	EACH	1										1
	621-00450	Detour Pavement	SY	611										611
	625-00000	Construction Surveying	LS	1										1
	626-00000	Mobilization	LS	1										1
	626-01000	Public Information Services	LS	1										'
	627-00007	Epoxy Pavement Marking (Special)	GAL	179										120
		Pavement Marking Paint (Waterborne)												179
			GAL	400										400
		Thermoplastic Pavement Marking (Word-Symbol)	SF	93										93
	627-30210	Thermoplastic Pavement Marking (Xwalk—Stopline)	SF	903			1							903
	630-00000	Flagging	HOUR	3,808										3,808
6	630-00007	Traffic Control Inspection	DAY	127										127
1	630-00012	Traffic Control Management	DAY	238										238
	630-80001	Flashing Beacon (Portable)	EACH	10										10
1 6	630-80335	Barricade (Type 3 M-A) (Temporary)	EACH	3										3
		Construction Traffic Sign (Panel Size A)	EACH	43										
		Construction Traffic Sign (Panel Size B)										1		43
			EACH	91										91
1 1		Construction Traffic Sign (Special)	SF	165										165
6	630-80358	Advance Warning Flashing or Sequencing Arrow Panel (C Type)	EACH	6										
	- 1	Portable Message Sign Panel	DAY	4										6
	- 1													4
		Drum Channelizing Device (With Light) (Flashing)	EACH	<del>75</del> 200										<del>75</del> 200
	- 1	Concrete Barrier (Temporary)	LF	3,000										3,000
6	30-80380	Troffic Cone	EACH	100										100
6	30~85011	Impact Attenuator (Temporary)	DAY	50										50
		FORCE ACCOUNT								- 1				
7		F/A Minor Contract Revisions	F A	1										1
7	00-70011	F/A Portnering	FA	1										1
1 1			FA	1										
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J. F. SATD AND ASSOCIATES	76
5898 South Rapp Street Littleton, Colorado 80120	16

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Colorado Department of Transportation

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

DTD

As Constructed		50 WEST /D. TO WILLS BLVD.	Project No./C
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NDEX	CONTRACT	CONTRACT ITEM	UNIT	ROA	NDWAY							STRUCTURE	K-18-CW			PR TO	OJECT DTALS
PAGE SHEET	ITEM NO.	CONTINACT TIEW	ONL	PLAN	AS CONST.							PLAN	AS CONST.			PLAN	AS
	700-70016	F/A Fuel Cost Adjustment	FA	1												1	
	700-70018	F/A Roadway Smoothness Incentive	FA	1												1	
	700-70019	F/A Asphalt Cement Cost Adjustment	FA	1												1	
	700-70021	F/A On-The-Job Trainee	HOUR	1,920												1,920	
	700-70031	F/A INTERIM SURFACE REPAIR	FA	1												1	
	700-70082	F/A Furnish & Install Electrical Service	FA	1					_							1	+
1	700-70380	F/A Erosion Control	FA	1												1	
	700-70594	F/A DRB Standing Committee	FA	î												1	
	700-73351	F/A Removal of Asbestos and Lead Based Paint	FA	1												1	
R-D 7	700-70035	F/A Prairie Dog Management (Burrowing Owl)	FA	1												1	
		F/A Adjust Utility	FA	1						-						1	-
	37 333	.,	10 205														
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Colorado	Department of Tr	ansportation
CO	902 Erie Avenue Pueblo, CD 81001 Phone: 719-562-5509	FAX: 719-546-5702
Region 2		DTD

As Constructed		WEST TO WILLS BLVD.	Project No./Code		
No Revisions:	TOROLLE BLVD.	FSA 0503-081			
Revised:	Designer:	Structure	19751		
	Detailer:	Numbers	10701		
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# Know what's below.

#### ENVIRONMENTAL GENERAL NOTES:

1. IF CONSTRUCTION IS TO OCCUR DURING THE MIGRATORY BIRD NESTING SEASON, (BETWEEN APRIL 1 MAD AUGUST 31 AND BETWEEN MARCH 15 AND OCTOBER 31 FOR WESTERN BURROWING DWLS) THE CONTRACTOR SHALL FOLLOW COOT'S PROJECT SPECIAL PROVISION 240, (PROTECTION OF MIGRATORY BIRDS), WHICH REQUIRES A SURVEY. THE COOT PROJECT ENGINEER SHALL DESIGNATE A QUALIFIED BIOLOGIST TO PERFORM THE SURVEY.

1. IF CONSTRUCTION IS TO OCCUR DURING THE MIGRATORY BIRD NESTING SEASON (BETWEEN APRIL 1 AND AUGUST 31), THE CONTRACTOR SHALL FOLLOW COOT'S PROJECT SPECIAL PROVISION 240 PROTECTION OF MIGRATORY BIRDS WHICH REQUIRES A SURVEY ALSO, IF CONSTRUCTION IS TO OCCUR BETWEEN THE NESTING SEASON FOR WESTERN BURROWING DWLS (MARCH 15 AND OCTOBER 31), THE CONTRACTOR SHALL FOLLOW COOT'S PROJECT SPECIAL PROVISION 240 (BLACK FAILED PRAIRIE DOG MANAGEMENT (WESTERN BURROWING DWL), WHICH REQUIRES A SURVEY. THE COOT PROJECT ENGINEER SHALL DESIGNATE A QUALIFIED BIOLOGIST TO PERFORM THE SURVEYS

ENGINEER SHALL DESIGNATE A QUALIFIED BIOLOGIST TO PERFORM THE SURVEYS.

IF MIGRATORY BIRDS ARE IDENTIFIED, CODT REGION 2 ENVIRONMENTAL PERSONNEL SHALL COORDINATE WITH THE DESIGN PROJECT MANAGER TO SHOW BIRD NESTS AND POTENTIAL NESTING HABITAT IN THE PLAN. THE COOT BIOLOGIST SHALL RECORD THE LOCATION OF EACH PROTECTED NEST, BIRD SPECIES, PROTECTION METHODS USED, AND DATE INSTALLED. A COPY OF THESE RECORDS SHALL BE PROVIDED TO THE ENGINEER. THESE PROTECTION METHODS SHALL REMAIN IN PLACE DURING THE NESTING SEASON (BETWEEN APRIL 1 AND AUGUST 31).

2. THE CONTRACTOR SHALL PERFORM CONSTRUCTION ACTIVITIES TO AVOID UNNECCESARY IMPACTS TO VEGETATION, INCLUDING TREES AND SHRUBS. PROTECTIVE FENCING WILL BE USED TO IDENTIFY THESE AREAS, AS NOTED ON THE STORMWATER MANAGEMENT PLAN. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT THEIR OWN EXPENSE. TREES NOT DESIGNATED FOR REMOVAL WILL BE PROTECTED WITH ORANGE FENCING (PLASTIC). THE CONTRACTOR SHALL NOT PARK ANY VEHICLES OR EQUIPMENT OR DISTURB ANY AREA NOT APPROVED BY THE ENGINEER.

3. RIPARIAN/ STREAM BANK (SENATE BILL 40) RESOURCES ALONG WILD HORSE DRY CREEK WILL BE RESTORED, AS NOTED IN THE STORMWATER MANAGEMENT PLAN. PLANTING OF TREES AND SHRUBS WILL FOLLOW CDDT'S STANDARD SPECIFICATION 214 - PLANTING AND PROJECT SPECIAL PROVISION 217 HERBICIDE TREATMENT.

THE CONTRACTOR SHALL REMOVE TWO TREES AS SHOWN ON PAGES ENV-3 AND ENV-13. THE LOCATION AND TYPE OF TREES TO BE RE-PLANTED BY THE CONTRACTOR SHALL BE AS DIRECTED BY COOT ENGINEER AND REGION 2 ENVIRONMENTAL STAFF.

4. EROSION CONTROL BEST MANAGEMENT PRACTICES INCLUDED IN THE STORMWATER MANAGEMENT PLAN WILL ADDRESS THE POTENTIAL IMPACTS TO THE PLAINS LEOPARD FROG, NORTHERN LEOPARD FROG AND TRIPLOID COLORADO CHECKERED WHIPTAIL. IF CONSTRUCTION ACTIVITIES ARE TO OCCUR BETWEEN MARCH 1 AND JULY 31 AT SITES THAT CONTAIN HABITAT FOR THE PLAINS LEOPARD FROG AND NORTHERN LEOPARD FROG (WILLIAMS CREEK AND WILD HORSE DRY CREEK, THE CDOT STAFF BIOLOGIST AND THE COLORADO PARKS AND WILDLIFE WILL BE CONSULTED PRIOR TO CONSTRUCTION TO DETERMINE ACTIONS NECESSARY TO AVOID AND MINIMIZE IMPACTS. ALSO, APPLICATION OF HERBICIDES NEAR PERMANENT BODIES OF WATER WILL BE RESTRICTED DURING THE PERIOD OF FROG METAMORPHOSIS (JUNE TO AUGUST).

EROSION CONTROL BEST MANAGEMENT PRACTICES INCLUDED IN THE STORMWATER MANAGEMENT PLAN WILL ALSO ADDRESS THE POTENTIAL IMPACTS TO THE MASSASAUGA RATTLESNAKE AND THE TRIPLOID COLORADO CHECKERED WHIPTAIL. IF CONSTRUCTION ACTIVITIES ARE TO OCCUR BETWEEN MARCH 1 AND JULY 31 AT SITES THAT CONTAIN HABITAT FOR THE MASSASAUGA RATTLESNAKE, THE CDOT STAFF BIOLOGIST WILL BE CONSULTED PRIOR TO CONSTRUCTION TO DETERMINE ACTIONS NECESSARY TO AVOID AND MINIMIZE IMPACTS.

5. THE CONTRACTOR SHALL OBTAIN ANY OR ALL APPLICABLE AIR POLLUTION EMISSION NOTICE (APEN) OR FUGITIVE DUST CONTROL PLAN APPROVALS REQUIRED BY THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) AND LOCAL REGULATORY AGENCIES FOR THIS PROJECT (PER SUBSECTION 107.24 OF THE STANDARD SPECIFICATIONS). THE CONTRACTOR SHALL PROVIDE COPY(S) OF THE APPROVED PERMITS OR NOTIFICATIONS TO THE PROJECT ENGINEER PRIOR TO CONSTRUCTION OR COMMENCEMENT OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE APPLICATION FOR AND MANAGEMENT OF THIS PERMIT.

6. THE CONTRACTOR SHALL MAINTAIN EQUIPMENT ON A REGULAR BASIS EQUIPMENT WILL BE SUBJECT TO INSPECTION BY THE ENGINEER TO ENSURE MAINTENANCE ALSO, THE CONTRACTOR SHALL NOT ALLOW EXCESSIVE IDLING OF INACTIVE EQUIPMENT OR VEHICLES.

7. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A DUST CONTROL PLAN THAT DETAILS METHODS FOR MITIGATION OF FUGITIVE DUST RESULTING FROM THE WORK, INCLUDING DUST FROM THE BRIDGE. THE DUST CONTROL PLAN SHALL BE APPROVED BY THE ENGINEER PRIOR TO WORK COMMENCEMENT. PREPARATION OF THIS PLAN SHALL BE INCLUDED IN THE COST OF THE WORK AND SHALL NOT BE PAID FOR SEPARATELY.

WATER SHALL BE USED AS A DUST PALLIATIVE AS DETAILED IN COOT STANDARD SPECIFICATION 209 WHERE REQUIRED. LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER. WATER FOR A DUST PALLIATIVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK. CONTAMINATED GROUNDWATER SHALL NOT BE USED AS A DUST PALLIATIVE.

DUST CONTROL FOR THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.

8. THE CONTRACTOR IS ADVISED THAT KNOWN SOIL AND GROUNDWATER CONTAMINATION HAS BEEN IDENTIFIED IN THE EASTERN PORTION OF THE PROJECT LIMITS BETWEEN WILLS BLVD AND THE BURLINGTON NORTHERN SANTA FE RAILROAD TRACKS. IF ANY CONTAMINATED SOILS ARE ENCOUNTERED, THEY SHALL BE PROPERLY BE STOCKPILED, SAMPLED, AND DISPOSED OF IN ACCORDANCE WITH SUBSECTION 250.03(d) OF THE STANDARD SPECIFICATIONS AND THE CONTRACTOR'S HEALTH AND SAFETY PLAN. PAYMENT FOR THIS WORK, IF ENCOUNTERED SHALL BE IN ACCORDANCE WITH THIS CONTRACT.

9. GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN PROJECT LIMITS AS SHOWN ON SHEET ENV-15. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF GROUNDWATER WELLS PRIOR TO CONSTRUCTION. IF NECESSARY, WELL ABANDONMENT/RELOCATION/RESET SHALL BE IN ACCORDANCE WITH SUBSECTION 202 OF THE COOT STANDARD SPECIFICATIONS AND IN COORDINATION WITH COOT ENVIRONMENTAL STAFF.

10. THIS PROJECT REQUIRES A COLORADO DISCHARGE PERMIT SYSTEM CONSTRUCTION DEWATERING PERMIT. THE CONTRACTOR WILL OBTAIN THE DEWATERING PERMIT PRIOR TO CONSTRUCTION.

11. THIS PROJECT REQUIRES A COLORADO DISCHARGE PERMIT SYSTEM STORMWATER CONSTRUCTION PERMIT (CDPS-SCP). ALL PERMIT REQUIREMENTS SHALL BE ADHERED TO BY THE CONTRACTOR. CDOT WILL OBTAIN THE CDPS-SCP PRIOR TO ADVERTISEMENT AND TRANSFER TO THE CONTRACTOR.

12. WETLANDS EXIST WITHIN THE LIMITS OF THE PROJECT AS SHOWN ON SHEETS ENV-13 THROUGH ENV-14.10 DAYS PRIOR TO MOBILIZATION, THE COOT ENGINEERING PROJECT MANAGER WILL BE NOTIFIED, WHO WILL SCHEDULE WITH A QUALIFIED BIOLOGIST FOR A WETLANDS / RIPARIAN FIELD REVIEW. THE QUALIFIED BIOLOGIST WILL LOCATE AND DELINEATE WITH MARKERS, SUCH AS PIN FLAGS, SENSITIVE RIPARIAN AND / OR WETLAND AREAS TO AVOID AND / OR PROTECT. ONCE THE ABOVE RIPARIAN / WETLAND AREAS ARE MARKED, THE CONTRACTOR WILL INSTALL SAFETY BARRIER FENCING (ORANGE FENCING) TO PROTECT WETLANDS / RIPARIAN AREAS FROM CONSTRUCTION ACTIVITIES.

13. IF HISTORICAL OR ARCHAEOLOGICAL MATERIALS ARE ENCOUNTERED OR UNEARTHED DURING CONSTRUCTION, WORK WILL BE HALTED IMMEDIATELY IN THE VICINITY OF THE FIND. THE CODT ENGINEER SHALL CONTACT THE CODT CULTURAL RESOURCES SPECIALIST PROMPTLY. THE PROCESS IS DUTLINED IN SUBSECTION 107.23 OF COOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR PROCEDURES REGARDING UNEXPECTED DISCOVERIES DURING CONSTRUCTION.

14. THE CONTRACTOR IS ADVISED THERE ARE AREAS OF PALEONTOLOGICAL CONCERN WITHIN THE LIMITS OF THE PROJECT. IF ANY SUB-SURFACE FOSSILS OR OTHER POTENTIALLY SIGNIFICANT FOSSILS ARE FOUND ANYWHERE WITHIN THE US 50 WEST PROJECT LIMITS DURING CONSTRUCTION, WORK IN THE IMMEDIATE VICINITY SHALL BE TEMPORARILY SUSPENDED. THE COOT PROJECT ENGINEER SHALL NOTIFY THE COOT PALEONTOLOGIST TO ASSESS THE SIGNIFICANCE OF THE FIND AND MAKE TURTHER RECOMMENDATIONS.

15. THE CONTRACTOR SHALL FOLLOW COOT'S PROJECT SPECIAL PROVISION 201 (CLEARING AND GRUBBING)
FOR ALL ACTIVITIES THAT AFFECT BLACK TAILED PRAIRIE DOGS WITHIN THE PROJECT FOOTPRINT, PAYMENT FOR
BTPD MITIGATION WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK.
COOT'S BTPD POLICY CAN BE FOUND IN SUBSECTION 102—PROJECT PLANS AND OTHER DATA.

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15. THE CONTRACTOR SHALL FOLLOW COOT'S PROJECT SPECIAL PROVISION 240 BLACK-TAILED PRAIRIE DOG MANAGEMENT (WESTERN BURROWING OWL) FOR ALL ACTIVITIES THAT AFFECT BLACK TAILED PRAIRIE DOGS WITHIN THE PROJECT FORTERINT SOOT'S BIPD POLICY CAN BE FOUND IN SUBSECTION 102- PROJECT PLANS AND OTHER DATA.

16. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE
AS SHOWN ON THE PLANS AND CROSS SECTIONS. THE CDOT PROJECT ENGINEER SHALL CONTACT THE CDOT ENVIRONMENTAL
STAFF IF ANY DISTURBANCE BEYOND THESE LIMITS IS EXPECTED TO OCCUR.

17. THE CONTRACTOR SHALL CONSIDER THE SCHEDULE FOR NIGHT WORK TO TRY AND AVOID WORKING WITHIN 500 FEET OF RESIDENCES THAT MAY BE IMPACTED BY TEMPORARY LIGHTING OR CONSTRUCTION NOISE.

18. NOXIOUS WEED MANAGEMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL FOLLOW THE PROCEDURES IDENTIFIED IN THE PROJECT SPECIAL PROVISION 217 - HERBICIDE TREATMENT. ONLY A COLORADO LICENSED SUPERVISOR OR CERTIFIED OPERATOR SHALL APPLY HERBICIDES. ALL HERBICIDES WILL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. IN ADDITION TO THE SPECIFIC MANAGEMENT ACTIONS LISTED IN PROJECT SPECIAL PROVISION 217 - HERBICIDE TREATMENT, THE FOLLOWING PREVENTATIVE MEASURES SHALL BE IMPLEMENTED TO MINIMIZE THE SPREAD OF NOXIOUS WEEDS IN CONSTRUCTION AREAS:

- THE AREA OF GROUND DISTURBANCE WILL BE KEPT TO THE MINIMUM NECESSARY.
- MINIMIZE IMPORTED TOPSOIL DURING CONSTRUCTION.
- AREAS WITH DENSE NOXIOUS WEED POPULATIONS WILL NOT BE USED FOR TOPSOIL SALVAGE.
- ALL AREAS PLANNED FOR TOP SOIL SALVAGE WILL BE TREATED FOR NOXIOUS WEEDS PRIOR TO SALVAGE.
   ONLY HERBICIDES APPROVED FOR USE IN WATER WILL BE USED IN OR WITHIN 25 FEET OF WETLANDS OR OTHER WATER FEATURES.
- BROADCAST HERBICIDE SPRAYING WILL ONLY BE APPROVED THROUGH WRITTEN CONSENT OF THE ENGINEER AND SHALL BE APPLIED WHEN WEATHER CONDITIONS (INCLUDING WIND) ARE SUITABLE FOR SUCH WORK.
- ENGINEER WILL BE NOTIFIED 24 HOURS PRIOR TO HERBICIDE APPLICATION.

Print Date: 11/20/2014			Sheet Revisions		Colorado	Department of Transportation	As Constructed	US 50	) WEST	Project No./Code
File Name: 19506LAND_ENVI_Plan01.dgn		Date:	Comments	Init.	72 /	Department of Transportation	718 CONSTITUCTES	ENVIRONMENTA	L PLAN SHEETS	110ject 140.7 code
Horiz, Scale: 1:1 Vert, Scale: As Noted	ŒĐ	11/20/14	REVISED COMMENT	KAB	GDO	902 Frie Avenue	No Revisions:		L NOTES	FSA 0503-081
6300 South Syracuse Way, Suite 600 Centennial, CO 80111	0				co 🖓	Pueblo, CD 81001	Revised:	Designer: KAB	Structure	10751
HOLT & Phone: 303.721.1440					V	Phone: 719-562-5509 FAX: 719-546-5702	1.01,000.		Numbers	19751
OLLEVIG   Fax: 303.721.0832					Region 2	DTD	Void:	Sheet Subset: ENVIRO	Subset Sheets: ENV-1 of 19	Sheet Number 181a



#### NOXIOUS WEEDS TREATMENT INFORMATION

NOXIOUS WEED	TREATMENT NAME	AREA (S.Y.)
CANADA THISTLE	AMINOPYRALID	45
DIFFUSE KNAPWEED	AMINOPYRALID	410
HOARY CRESS	METSULFURON	80
LEAFY SPURGE	AMINOPYRALID	20
MUSK THISTLE	AMINOPYRALID	185
PERENNIAL PEPPERWEED	GLYPHOSATE	200
TAMARISK	TRICLOPYR	1370

#### APPROXIMATE SUMMARY OF ENVIRONMENTAL QUANTITIES

ITEM NO	NAME	AMDUNT	PAY UNIT
202-00010	REMOVAL OF TREE	2	EA
202-04100	ABANDON WELL	4	EA
214-00205	DECIDUOUS TREE (5 GAL)	2	EA
214-01015	WILLOW CUTTING	1100	EA
217-00020	HERBICIDE TREATMENT	80	HOUR
240-00010	REMOVAL OF NESTS	40	HOUR
240-00000	VARATRICO VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV	V50V	VSVV
240-00100	PRAIRIE DOC MANACEMENT	1	LS.
250-00010	ENVIRONMENTAL HEALTH AND SAFETY MANAGEMENT	$\frac{1}{1}$	LS
250-00050	MONITORING TECHNICIAN	80	HR
250-00110	HEALTH AND SAFETY OFFICER	80	HR
250-00200	MATERIAL HANDLING (STOCKPILE)	100	CY
	SOLID WASTE DISPOSAL	50	CY
250-00210			I
250-00210 250-00220	HAZARDOUS WASTE DISPOSAL	50	CY

Print Date: 11/20/2014		
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Horiz. Scale: 1:1	Vert. Scale: As Noted	Œ
FELSBURG HOLT & ULLEVIG	6300 South Syracuse Way, Suite 600 Centennial, CO 80111 Phone: 303.721.1440 Fax: 303.721.0832	

	Date:	Comments	Init.
ŒĐ	11/20/14	REMOVE QUANTITY	KAB
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Department of Tr	ansportation
902 Erie Avenue Pueblo, CO 81001	
	Department of Tr 902 Erie Avenue Pueblo, CD 81001 Phone: 719-562-5509

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Region 2

	As Constructed	FNVIDO		WEST		Project No.	./Code
	No Revisions:	ENVIRONMENTAL PLAN SHEETS GENERAL NOTES			FSA 0503-081		
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١		Detailer:	KAB	Numbers		10/01	
Void:	Void:	Sheet Subset:	ENVIRO	Subset Sh	eets: ENV-2 of 19	Sheet Number	182a

## TABULATION OF TRAFFIC ENGINEERING ITEMS

30 12,700 1 4 1 46 2 6 2 3 1 2
12,700 1 4 1 46 2 6 2 3 1 2
1 4 1 46 2 6 2 3 1 2
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ITEM NUMBER	ITEM DESCRIPTION	UNIT	PROJECT TOTALS
627-00007	EPOXY PAVEMENT MARKING (SPECIAL)	GAL	179
627-00011	PAVEMENT MARKING PAINT (WATERBORNE)	GAL	400
627-30405	PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL)	SF	93
627-30410	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOPLINE)	SF	903
630-00000	FLAGGING	HR	3,808
630-00007	TRAFFIC CONTROL INSPECTION	DAY	127
630-00012	TRAFFIC CONTROL MANAGEMENT	DAY	238
630-80001	FLASHING BEACON (PORTABLE)	EA	10
630-80335	BARRICADE (TYPE 3 M-A) (TEMPORARY)	EA	3
630-80341	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A)	EA	43
630-80342	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)	EA	91
630-80344	CONSTRUCTION TRAFFIC SIGN (SPECIAL)	SF	165
630-80358	ADVANCE WARNING FLASHING OR SEQUENCING ARROW PANEL (C TYPE)	EA	6
~630-80350~~	PORTABLE MESSAGESIGH	NEAN	~~~~~
630-80363	DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)	EA	<del>75</del> 200
630-80370	CONCRETE BARRIER (TEMPORARY)	LF	3,000
630-80380	TRAFFIC CONE	EA	100
630-85011	IMPACT ATTENUATOR (TEMPORARY)	DAY	50

## SCHEDULE OF TRAFFIC CONTROL DEVICES

			P	PANEL SIZE		
SIGN CODE	LEGEND	DIMENSION	Α	В	Specia	
			EA	EA	SF	
FASTER	COLORADO AT WORK SIGN (SPECIAL)	66X60			165	
G20-5	WORK ZONE	36X24	20			
G20-10	XYZ/CONSTRUCTION/THANKS YOU/555-555-5555	48X48		8		
G20-11	ROAD WORK INFORMATION	48X48		7		
M1-4	U.S. ROUTE SIGN	36X36	1			
M1-5A	STATE ROUTE SIGN	36X36	1			
M3-3	CARDINAL DIRECTION	36X18	1			
M3-4	CARDINAL DIRECTION	36X18	1			
M5-1L	ADVANCE TURN ARROW	30X21	2			
R1-2	YIELD	36X36	1			
R2-1	SPEED LIMIT	36X48		21		
R2-6(ap)	FINES/DOUBLE	36X24	6			
R3-7r	MANDATORY MOVEMENT RIGHT	30X30	1			
R4-1	DO NOT PASS	36X48		2		
R11-2	ROAD/CLOSED 48>			4		
R52-6a	BEGIN FINES DOUBLE IN WORK ZONE 36			7		
R52-6b				8		
W1-2I	HORIZONTAL ALIGNMENT LEFT	48X48		2		
W1-4BL	REVERSE CURVE	48X48		2		
W1-4I	REVERSE CURVE	48X48		1		
W1-6r	ONE-DIRECTION LARGE ARROW RIGHT	60X30		2		
W1-9-3a	MIDDLE LANE CLOSED	48X48		2		
W3-3	SIGNAL AHEAD	48X48		2		
W4-1r	MERGE RIGHT	48X48		1		
W5-1	ROAD NARROWS	48X48		2		
W5-2	BRIDGE NARROWS	48X48		2		
W9-2I	LANE ENDS MERGE LEFT	48X48		1		
W12-1			1			
W16-2a	ADVANCE DISTANCE	30X24	8	_		
W20-1	ROAD WORK	48X48	0	8		
W21-5	SHOULDER WORK	48X48		2		
W24-1aL	DOUBLE REVERSE CURVE LEFT	48X48		5		
W24-1aL W24-1aR	DOUBLE REVERSE CURVE RIGHT	48X48	-	2		
AA54-IQIV	PROJECT TOTALS	40/40				

NOTE: SCHEDULE OF TRAFFIC CONTROL DEVICES PROVIDED FOR INFORMATION ONLY.

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	J. F. SATO AND ASSOCIATES		
JF3073	5898 South Rapp Street Littleton, Colorado 80120		

	Sheet Revisions		
	Date:	Comments	Init.
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Colorado Department of Transportation

Region 2

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

As Constructed			WEST .TO WILLS BLVD.	Project No./Code
No Revisions:			NEERING ITEMS	FSA 0503-081
Revised:	Designer:	ACE	Structure	19751
	Detailer:	ACE	Numbers	
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