

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: STM R200-231  
Project Code: 21393

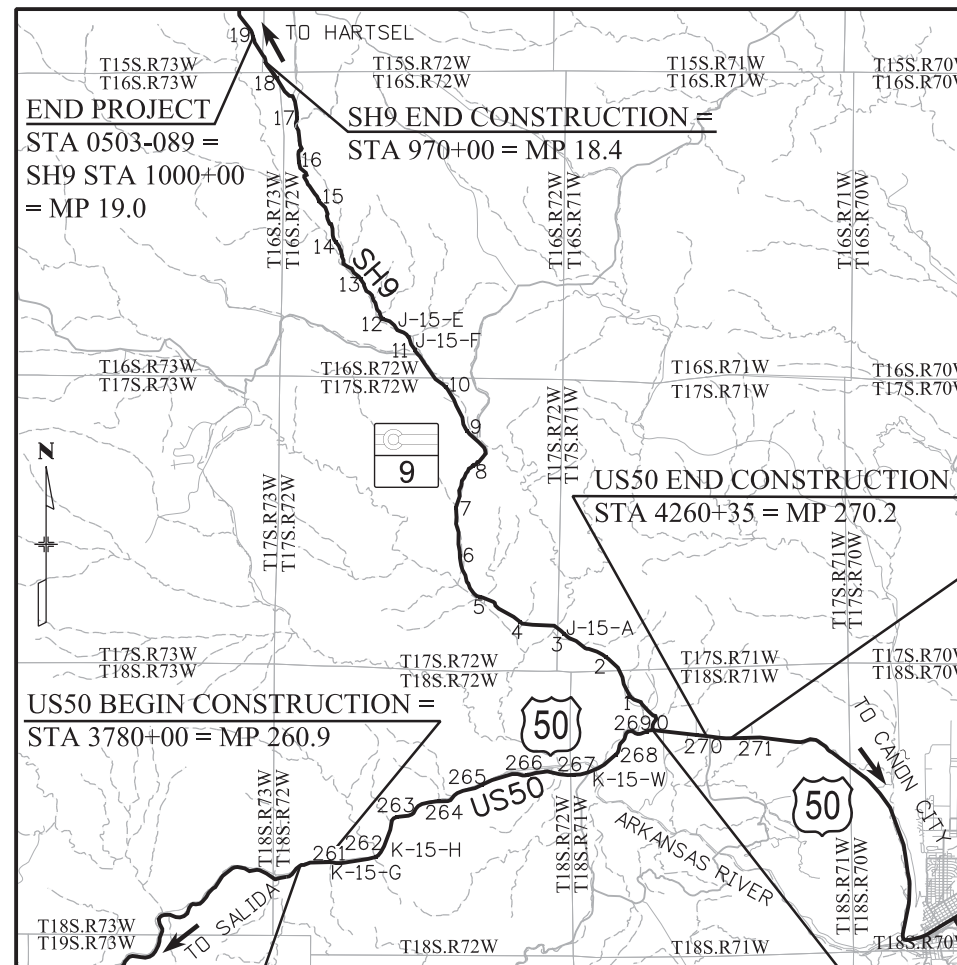
### R.O.W. Projects:

R.O.W. Project Description

### TABULATION OF LENGTH & DESIGN DATA

STATION	FEET		MAJOR STR.
	SH 9	US 50	
BEGIN PROJECT/BEGIN CONSTRUCTION STA 0503-089 =			
SH 9 STA 0+00 = M.P. 0.0			
SH 9 STA 0+00 TO 165+11	16,511		98
SH 9 STA 165+11 TO 166+09 - STR J-15-A			
SH 9 STA 166+09 TO 594+84	42,875		132
SH 9 STA 594+84 TO 596+16 - STR J-15-F			
SH 9 STA 596+16 TO 635+88	3,972		24
SH 9 STA 635+88 TO 636+12 - STR J-15-E			
SH 9 STA 636+12 TO 970+00	33,388		
END CONSTRUCTION =			
SH 9 STA 970+00 = M.P. 18.4			
SH 9 STA 970+00 TO 1000+00 = NO WORK	3,000		
END PROJECT STA 0503-089 =			
SH 9 STA 1000+00 = M.P. 19.0			
BEGIN PROJECT STA 0503-089 =			
US 50 STA 3750+00, M.P. 260.3		3,000	
US 50 STA 3750+00 TO 3780+00 = NO WORK			
BEGIN CONSTRUCTION =			
US 50 STA 3780+00 = M.P. 260.9			
US 50 STA 3780+00 TO 3781+85		185	43
US 50 STA 3781+85 TO 3782+28 - STR K-15-G			
US 50 STA 3782+28 TO 3830+29		4,801	33
US 50 STA 3830+29 TO 3830+62 - STR K-15-H			
US 50 STA 3830+62 TO 4114+84		28,422	240
US 50 STA 4114+84 TO 4117+24 - STR K-15-W			
US 50 STA 4117+24 TO 4260+35		14,311	
END CONSTRUCTION =			
US 50 STA 4260+35, M.P. 270.2			
US 50 STA 4260+35 TO 4291+00 = NO WORK		3,065	
END PROJECT STA 0503-089 =			
US 50 STA 4291+00 = M.P. 270.8			
<b>TOTAL</b>	<b>99,746</b>	<b>53,784</b>	<b>570</b>
<b>SUMMARY OF PROJECT LENGTH</b>	<b>FEET</b>		<b>MILES</b>
MAJOR STRUCTURE	570		0.11
PROJECT GROSS LENGTH	154,100		29.19
PROJECT NET LENGTH	145,035		27.47
<b>DESIGN DATA</b>	SH 9	US 50	
MAXIMUM RADIUS OF CURVE	N/A	N/A	
MAXIMUM GRADE	N/A	N/A	
MINIMUM S.S.D. HORIZONTAL	N/A	N/A	
MINIMUM S.S.D. VERTICAL	N/A	N/A	
MAXIMUM DESIGN SPEED	N/A	N/A	
2037 DESIGN TRAFFIC	DHV = 368	DHV = 702	
	ADT = 2300	ADT = 5400	
DHV TRUCK %	8.60%	10.20%	
CLEAR ZONE DISTANCE (TANGENT)	N/A	N/A	
CLEAR ZONE DISTANCE (CURVE)	N/A	N/A	
CONSTRUCTION CLEAR ZONE (MIN 18')	18'	18'	

## HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED COLORADO PROJECT NO. STA 0503-089 US HIGHWAY NO. 50 / STATE HIGHWAY NO. 9 FREMONT COUNTY CONSTRUCTION PROJECT CODE NO. 21255



BEGIN PROJECT  
STA 0503-089 =  
US50 STA 3750+00  
= MP 260.3

PROJECT LOCATION MAP



END PROJECT  
STA 0503-089 =  
US50 STA 4291+00  
= MP 270.8

BEGIN PROJECT/ SH9 BEGIN CONSTRUCTION  
STA 0503-089 =  
SH9 STA 0+00  
= MP 0.0

SHEET NO.	INDEX OF SHEETS
1	TITLE SHEET
2	STANDARD PLANS LIST
3 - 4	SH 9 TYPICAL SECTION
5	US 50 TYPICAL SECTION
6 - 7	GENERAL NOTES
8	SH9/US50 OVERVIEW AND CONTROL
9 - 14	SUMMARY OF APPROXIMATE QUANTITIES
15 - 16	TABULATION OF SURFACING MATERIALS
17 - 21	TABULATION OF APPROACHES AND PULLOUTS
22 - 25	TABULATION OF CULVERTS
26 - 28	TABULATION OF STRIPING
29 - 55	TABULATION OF SIGNING
56 - 59	TABULATION OF GUARDRAIL
60	TABULATION OF DELINEATORS/TABULATION OF CURB
61	TABULATION OF TEMPORARY TRAFFIC CONTROL
62 - 63	ROADWAY DETAIL - APPROACHES AND PULLOUTS
64	ROADWAY DETAIL - MISCELLANEOUS DETAILS
65	ROADWAY DETAIL - JUNCTION US 50/SH 9
66 - 67	ROADWAY DETAIL - US 50 EASTBOUND LEFT TURN
68 - 69	ROADWAY DETAIL - SH 9 MP 0.0 TO MP 1.0
70 - 76	SH9 ROADWAY PLAN
77 - 80	US50 ROADWAY PLAN
81 - 88	STORMWATER MANAGEMENT PLAN
89 - 95	SH 9 STORMWATER SITE MAP
96 - 99	US 50 STORMWATER SITE MAP
100	STORMWATER SITE MAP J-15-A
101	STORMWATER SITE MAP K-15-W
102	STORMWATER SITE MAP K-15-H
103	STORMWATER SITE MAP K-15-G
104	STRUCTURE PLAN - GENERAL INFORMATION
105	STRUCTURE PLAN - SUMMARY OF QUANTITIES
106	GENERAL LAYOUT J-15-E
107	GENERAL LAYOUT J-15-A
108	TYPICAL SECTION J-15-A
109	GENERAL LAYOUT K-15-W
110	TYPICAL SECTION K-15-W
111	RAIL AND FENCE REPAIR DETAILS K-15-W
112	GENERAL LAYOUT K-15-H
113	TYPICAL SECTION K-15-H
114	GENERAL LAYOUT K-15-G
115	TYPICAL SECTION K-15-G
116	DECK REHABILITATION DETAILS
117	BRIDGE RAIL TYPE 10R REPLACEMENT RAIL
118	JOINT DETAILS

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Print Date: 2/1/2017  
 File Name: 21255DES\_TitleSht.dgn  
 Horiz. Scale: 1:21120 Vert. Scale: N/A

**TRANSPORTATION**  
**AECOM**  
 AECOM Technical Services, Inc.  
 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920  
 T 719.531.0001 www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  
  
 1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323 FAX: 719-227-3298  
 Region 2 DW

As Constructed  
 No Revisions:  
 Revised:  
 Void:

Contract Information  
 Contractor:  
 Resident Engineer:  
 Project Engineer:  
 PROJECT STARTED: / / ACCEPTED: / /  
 Comments:

Project No./Code  
 STA 0503-089  
 21255  
 Sheet Number 1

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PLAN NUMBER	NEW OR REVISED	M STANDARD TITLE	PAGE NUMBER
M-100-1		STANDARD SYMBOLS (3 SHEETS).....	1-3
M-100-2		ACRONYMS AND ABBREVIATIONS (4 SHEETS).....	4-7
M-203-1	■	APPROACH ROADS (REVISED ON JULY 08, 2013).....	<del>8</del>
M-203-2		DITCH TYPES.....	9
M-203-11		SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS).....	10-12
M-203-12		SUPERELEVATION STREETS (2 SHEETS).....	13-14
M-206-1		EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS).....	15-16
M-206-2		EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS).....	17-18
M-208-1	■	TEMPORARY EROSION CONTROL (11 SHEETS) (REVISED ON MARCH 29, 2016).....	<del>19-30</del>
M-210-1		MAILBOX SUPPORTS (2 SHEETS).....	31-32
M-214-1		PLANTING DETAILS.....	33
M-216-1	□	SOIL RETENTION COVERING (2 SHEETS) (NEW ON JULY 16, 2015).....	
M-412-1	□	CONCRETE PAVEMENT JOINTS (5 SHEETS) (REVISED ON JULY 24, 2012).....	<del>34-38</del>
M-510-1		STRUCTURAL PLATE PIPE H-20 LOADING.....	39
M-601-1	□	SINGLE CONCRETE BOX CULVERT (2 SHEETS) (REVISED ON NOVEMBER 25, 2015).....	<del>40-41</del>
M-601-2	□	DOUBLE CONCRETE BOX CULVERT (2 SHEETS) (REVISED ON NOVEMBER 25, 2015).....	<del>42-43</del>
M-601-3	□	TRIPLE CONCRETE BOX CULVERT (2 SHEETS) (REVISED ON NOVEMBER 25, 2015).....	<del>44-45</del>
M-601-10		HEADWALL FOR PIPES.....	46
M-601-11		TYPE "S" SADDLE HEADWALLS FOR PIPE.....	47
M-601-12		HEADWALLS AND PIPE OUTLET PAVING.....	48
M-601-20		WINGWALLS FOR PIPE OR BOX CULVERTS.....	49
M-603-1	■	METAL PIPE (4 SHEETS). (REVISED ON OCTOBER 02, 2014).....	<del>50-53</del>
M-603-2	□	REINFORCED CONCRETE PIPE (REVISED ON OCTOBER 02, 2014).....	<del>54</del>
M-603-3		PRECAST CONCRETE BOX CULVERT.....	55
M-603-4	□	CORRUGATED POLYETHYLENE PIPE (AASHTO M294) (REVISED ON OCT. 02, 2014).....	<del>56</del>
M-603-5	□	POLYVINYL CHLORIDE (PVC) PIPE (AASHTO M304) (REVISED ON OCT. 02, 2014).....	<del>57</del>
M-603-6	□	STEEL REINFORCED POLYETHYLENE RIBBED PIPE (AASHTO MP 20) (NEW ON APRIL 30, 2015).....	
M-603-10		CONCRETE AND METAL END SECTIONS (2 SHEETS).....	58-59
M-604-10		INLET, TYPE C.....	60
M-604-11		INLET, TYPE D.....	61
M-604-12		CURB INLET TYPE R (2 SHEETS).....	62-63
M-604-13		CONCRETE INLET TYPE 13.....	64
M-604-20		MANHOLES (3 SHEETS).....	65-67
M-604-25		VANE GRATE INLET (5 SHEETS).....	68-72
M-605-1		SUBSURFACE DRAINS.....	73
M-606-1	□	GUARDRAIL TYPE 3 W-BEAM (20 SHEETS) (REVISED ON OCTOBER 27, 2014).....	<del>74-92</del>
M-606-1	■	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 3 W-BEAM 31 INCHES (20 SHEETS) (REVISED ON DECEMBER 29, 2015).....	
M-606-13	□	GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS)..... (REVISED ON AUGUST 30, 2013)	<del>93-96</del>
M-606-14		PRECAST TYPE 7 CONCRETE BARRIER (3 SHEETS).....	97-99

PLAN NUMBER	NEW OR REVISED	M STANDARD TITLE	PAGE NUMBER
M-607-1		WIRE FENCES AND GATES (3 SHEETS).....	100-102
M-607-2		CHAIN LINK FENCE (3 SHEETS).....	103-105
M-607-3		BARRIER FENCE.....	106
M-607-4	□	DEER FENCE, GATES, AND GAME RAMPS (5 SHEETS)..... (REVISED ON APRIL 30, 2015)	<del>107-109</del>
M-607-10		PICKET SNOW FENCE.....	110
M-607-15		ROAD CLOSURE GATE (9 SHEETS).....	111-119
M-608-1	□	CURB RAMPS (7 SHEETS) (REVISED ON JUNE 16, 2014).....	<del>120-125</del>
M-609-1	■	CURBS, GUTTERS, AND SIDEWALKS (4 SHEETS) (REVISED ON JULY 24, 2012).....	<del>126-129</del>
M-611-1		CATTLE GUARD (2 SHEETS).....	130-131
M-611-2	□	DEER GUARD (2 SHEETS) (NEW ON APRIL 30, 2015).....	
M-613-1		ROADWAY LIGHTING (4 SHEETS).....	132-135
M-614-1		RUMBLE STRIPS (3 SHEETS).....	136-138
M-614-2		SAND BARREL ARRAYS (2 SHEETS).....	139-140
M-615-1		EMBANKMENT PROTECTOR TYPE 3.....	141
M-615-2		EMBANKMENT PROTECTOR TYPE 5.....	142
M-616-1		INVERTED SIPHON.....	143
M-620-1		FIELD LABORATORY CLASS 1.....	144
M-620-2		FIELD LABORATORY CLASS 2 (2 SHEETS).....	145-146
M-620-11		FIELD OFFICE CLASS 1.....	147
M-620-12		FIELD OFFICE CLASS 2.....	148
M-629-1		SURVEY MONUMENTS (2 SHEETS).....	149-150

PLAN NUMBER	NEW OR REVISED	S STANDARD TITLE	PAGE NUMBER
S-612-1	■	DELINEATOR INSTALLATIONS (7 SHEETS) (REVISED ON DECEMBER 1, 2016).....	151-157
S-614-1	■	GROUND SIGN PLACEMENT (2 SHEETS) (REVISED ON DECEMBER 12, 2014).....	<del>158-159</del>
S-614-2	■	CLASS I SIGNS (REVISED ON JUNE 24, 2016).....	<del>160</del>
S-614-3		CLASS II SIGNS.....	161
S-614-4	□	CLASS III SIGNS (3 SHEETS) (REVISED ON DECEMBER 17, 2014).....	<del>162-164</del>
S-614-5		BREAK-AWAY SIGN SUPPORT DETAILS FOR GROUND SIGNS (2 SHEETS).....	165-166
S-614-6	□	CONCRETE FOOTINGS AND SIGN ISLANDS FOR CLASS III SIGNS (2 SHEETS) (REVISED ON SEPTEMBER 16, 2013).....	<del>167-168</del>
S-614-8	■	TUBULAR STEEL SIGN SUPPORT DETAILS (6 SHEETS) (REVISED ON DECEMBER 1, 2016).....	<del>169-173</del>
S-614-9	□	PEDESTRIAN PUSH BUTTON POST ASSEMBLY (REVISED ON MAY 24, 2016).....	<del>174</del>
S-614-10		MARKER ASSEMBLY INSTALLATIONS.....	175
S-614-11		MILEPOST SIGN DETAIL FOR HIGH SNOW AREAS.....	176
S-614-12		STRUCTURE NUMBER INSTALLATION.....	177
S-614-14		FLASHING BEACON AND SIGN INSTALLATIONS (3 SHEETS).....	178-180
S-614-20		TYPICAL POLE MOUNT SIGN INSTALLATIONS.....	181
S-614-21	□	CONCRETE BARRIER SIGN POST INSTALLATIONS..... (REVISED ON MAY 24, 2016)	<del>182</del>
S-614-22		TYPICAL MULTI-SIGN INSTALLATIONS.....	183
S-614-40	□	TYPICAL TRAFFIC SIGNAL INSTALLATION DETAILS (5 SHEETS) (REVISED ON JUNE 17, 2016).....	<del>184-188</del>
S-614-40A	□	ALTERNATIVE TRAFFIC SIGNAL INSTALLATION DETAILS (4 SHEETS) (REVISED ON JUNE 17, 2016).....	<del>189-192</del>
S-614-41	□	TEMPORARY SPAN WIRE SIGNALS (REVISED ON APRIL 2, 2015).....	<del>193</del>
S-614-42		CABINET FOUNDATION DETAIL (4 SHEETS).....	194-197
S-614-43		TRAFFIC LOOP AND MISCELLANEOUS SIGNAL DETAILS (10 SHEETS).....	198-207
S-614-44	□	PEDESTAL POLE SIGNALS (2 SHEETS) (REVISED ON JUNE 17, 2016).....	
S-614-50	□	STATIC SIGN MONOTUBE STRUCTURES (12 SHEETS) (REVISED ON JUNE 17, 2016).....	<del>208-219</del>
S-614-60	□	DYNAMIC SIGN MONOTUBE STRUCTURES (14 SHEETS) (REVISED ON JUNE 17, 2016).....	<del>220-233</del>
S-627-1	■	PAVEMENT MARKINGS (5 SHEETS) (REVISED ON JUNE 10, 2014).....	<del>234-238</del>
S-630-1	■	TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION (24 SHEETS) (REVISED ON JUNE 23, 2016).....	<del>239-258</del>
S-630-2	■	BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP) AND VERTICAL PANELS (REVISED ON JUNE 23, 2016).....	<del>259</del>
S-630-3		FLASHING BEACON (PORTABLE) DETAILS.....	260
S-630-4		STEEL SIGN SUPPORT (TEMPORARY) INSTALLATION DETAILS (2 SHEETS).....	261-262
S-630-5	□	PORTABLE RUMBLE STRIPS (TEMPORARY) (2 SHEETS) (REVISED ON AUGUST 13, 2015).....	<del>263-264</del>
S-630-6		EMERGENCY PULL-OFF AREA (TEMPORARY).....	265
S-630-7		ROLLING ROADBLOCKS FOR TRAFFIC CONTROL.....	266-268 (3 SHEETS)

**COLORADO**  
**DEPARTMENT OF TRANSPORTATION**  
**M&S STANDARDS PLANS LIST**  
 July 04, 2012  
 Revised on December 1, 2016

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

NEW OR REVISED STANDARD PLAN SHEETS APPLICABLE TO THIS PROJECT, INDICATED BY A MARKED BOX ■, WILL BE ATTACHED TO THE PLANS.

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File Name: 21255DES_StdPlans.dgn
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<b>TRANSPORTATION</b>
<b>AECOM</b> Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001      www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**  
  
 1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323    FAX: 719-227-3298  
**Region 2**      **DW**

As Constructed	STANDARD PLANS LIST	
No Revisions:	Designer: JAB	Structure Numbers
Revised:	Detailer: LMB	
Void:	Subset: STDPLANS	Subset Sheets: 1 of 1

Project No./Code
STA 0503-089
21255
Sheet Number 2

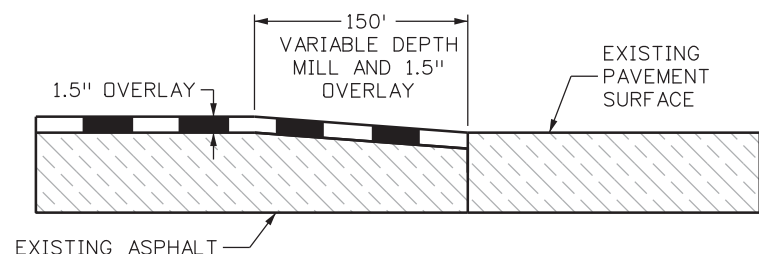
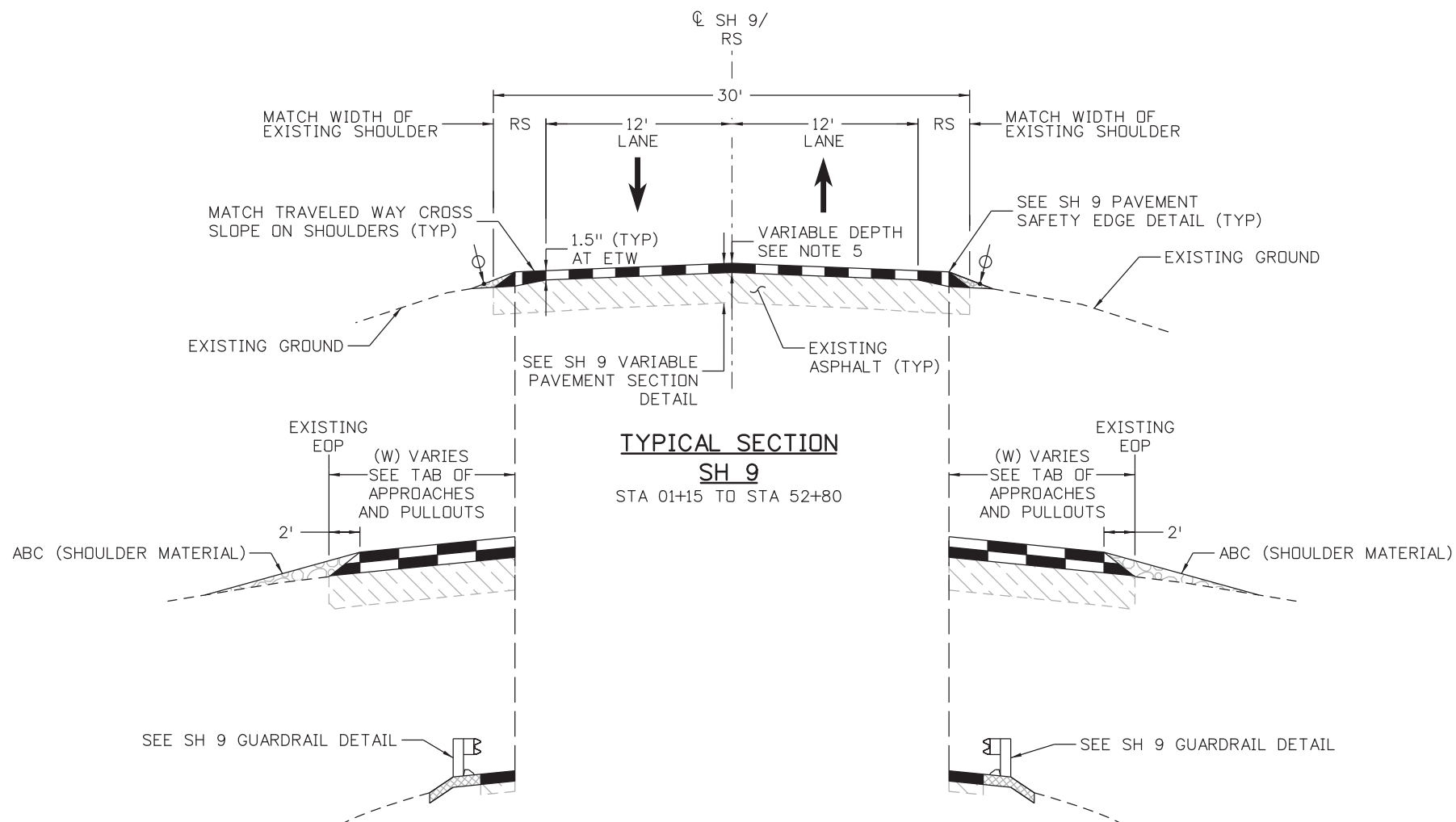


**LEGEND:**

- MATCH EXISTING CROSS SLOPE
- ⊕ GRADING LOCATIONS SHALL BE DETERMINED BY THE ENGINEER. PAID AS ABC (SHOULDER MATERIAL)
- \* WHERE POSSIBLE GRADE THIS AREA FLAT AS DETERMINED BY THE ENGINEER
- RS RUMBLE STRIP: OMIT AT APPROACHES, CONTINUE THROUGH PASSING ZONES. USE INTERMITTENT RUMBLE STRIP ON SHOULDERS PER M-614-1

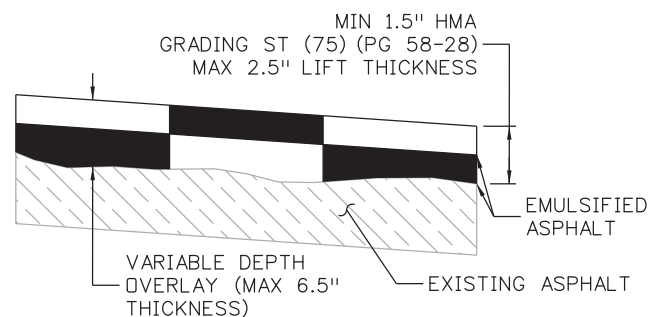
**NOTES:**

- 1) CURB TYPE 6, WHERE SPECIFIED IN THE TABULATION OF GUARDRAIL, SHALL BE PLACED DIRECTLY IN FRONT OF GUARDRAIL POSTS.
- 2) TYPICAL SECTION DATA IS BASED ON THE BEST AVAILABLE INFORMATION. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY EACH SECTION.
- 3) SAFETY EDGE SHALL BE CONSTRUCTED IN ALL AREAS WITHOUT GUARDRAIL. (SEE DETAIL)
- 4) STA 0+00 TO STA 1+15: SH9/US50 JUNCTION. SEE TABULATION OF SURFACING MATERIALS.
- 5) CORRECT PROFILE DEFICIENCIES. SEE ROADWAY DETAIL SH9 MP 0.0 TO MP 1.0 FOR EXISTING PROFILE.
- 6) SEE NEXT SHEET FOR SH9 PAVEMENT STABILIZATION DATA.



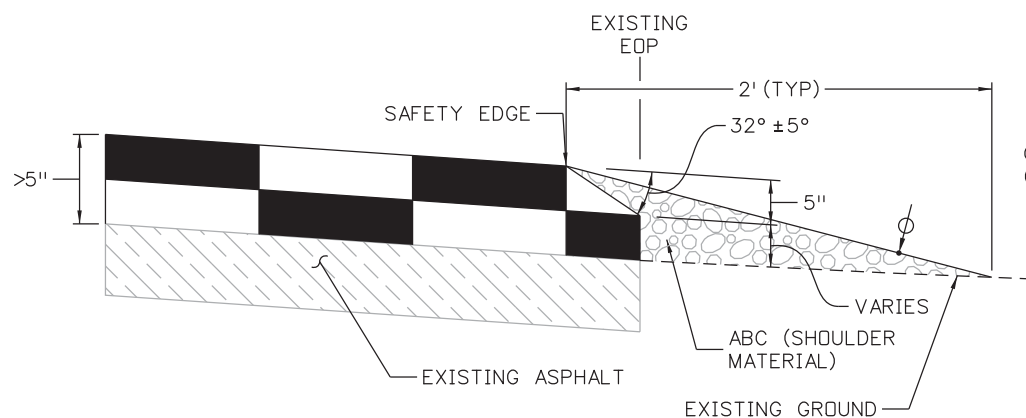
**ASPHALT MILL TRANSITION DETAIL**

SEE TABULATION OF SURFACING MATERIALS FOR LOCATIONS

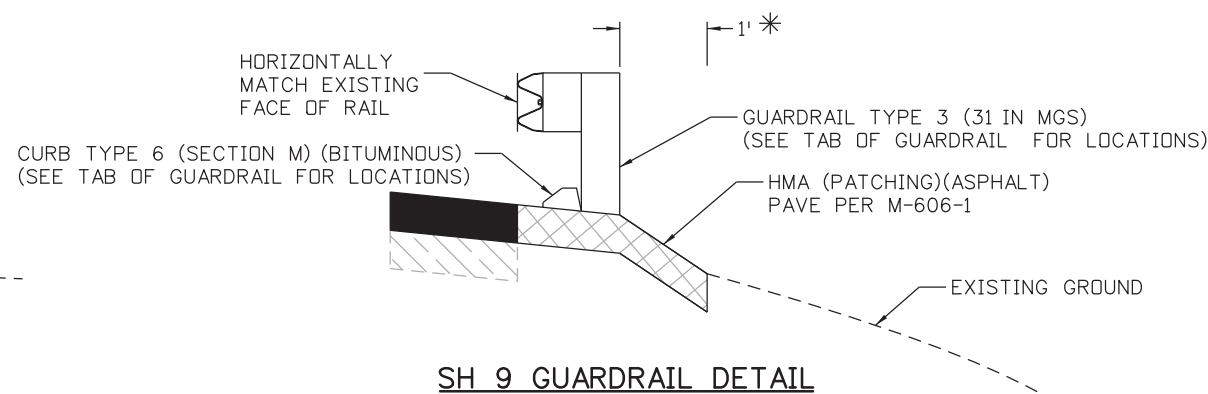


**SH 9 VARIABLE PAVEMENT SECTION DETAIL**

STA 01+15 TO STA 52+80



**SH 9 PAVEMENT SAFETY EDGE DETAIL**



**SH 9 GUARDRAIL DETAIL**

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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



1480 Quail Lake, Suite A  
Colorado Springs, CO 80906  
Phone: 719-634-2323    FAX: 719-227-3298

Region 2      DW

As Constructed
No Revisions:
Revised:
Void:

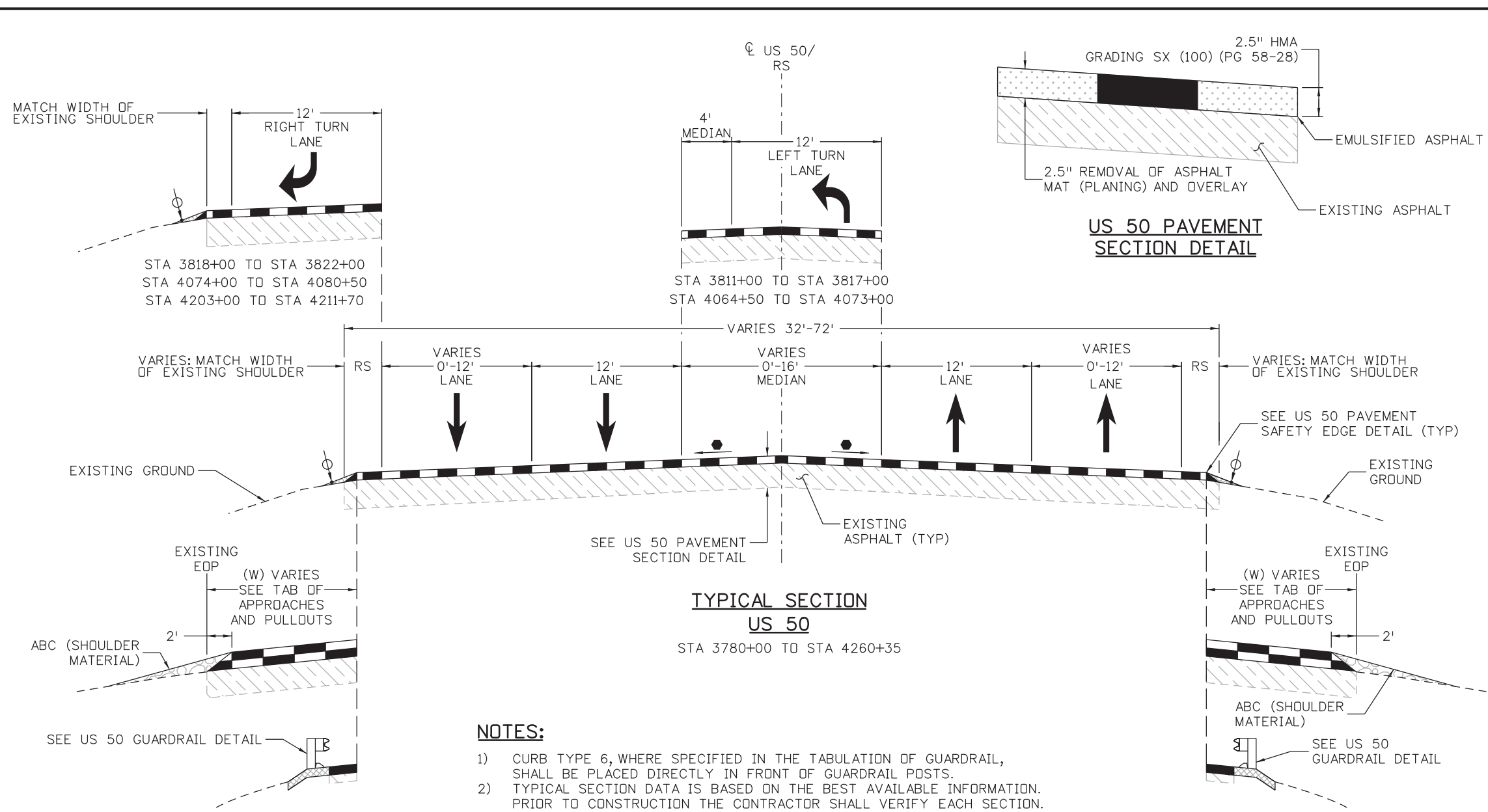
SH 9 TYPICAL SECTION			
Designer:	JAB	Structure Numbers	
Detailer:	LMB		
Subset:	TYPICAL	Subset Sheets: 1 of 3	

Project No./Code
STA 0503-089
21255
Sheet Number 3





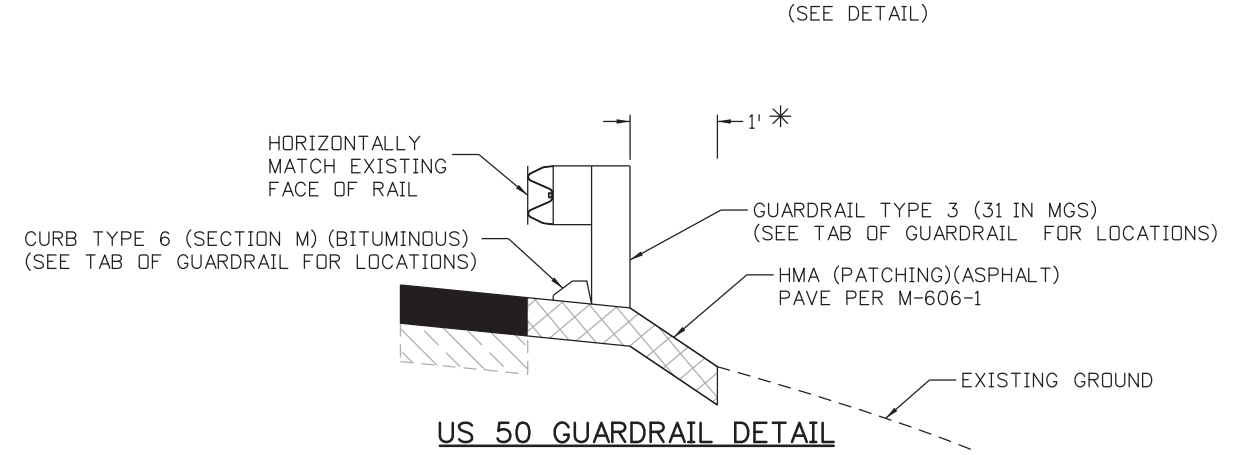
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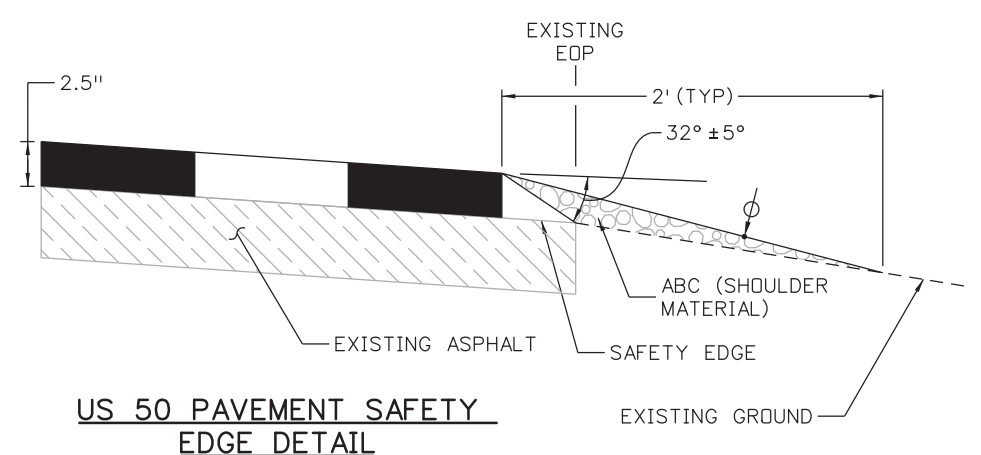
NH 0503-089 (21255)		
Design Parameters		
	2 1/2" Mill/Fill	Widening Section
Design Life (Years)	10	20
18-Kip ESALS:	880,000	1,925,000
Heavy Trucks (Cumulative):	1,155,660	2,708,780
Operational Speed (MPH):	55	55
Effective Binder Content (%):	11.2	11.3
Voids (%):	5.1	6.7
Widening Pavement Thickness (in):	---	6
ABC Class 6 Thickness (in):	---	12
Milling Thickness (in):	2.5	---
Overlay Thickness (in):	2.5	---
HMA Grading:	SX	SX
HMA Design Gyration:	100	100
HMA Grading (top lift)	PG 58-28	PG 58-28
HMA Grading (bottom lifts)	---	PG 58-28

Distress Prediction Summary				
	Target	Predicted	Target	Predicted
Terminal IRI (in/mile):	200	93.39	200	130.2
Reliability (%):	90	100	90	99.99
Permanent Deformation (in):	0.65	0.11	0.65	0.18
Reliability (%):	90	100	90	100
AC Total Fatigue Cracking (%):	35	7.45	---	---
Reliability (%):	90	100	---	---
AC Total Transverse Cracking (ft/mile):	2500	70.47	---	---
Reliability (%):	90	100	---	---
Permanent Deformation - AC Only (in):	0.5	0.11	0.5	0.08
Reliability (%):	90	100	90	100
AC Bottom-Up Fatigue Cracking (%):	25	0	25	7.39
Reliability (%):	90	100	90	100
AC Thermal Cracking (ft/mile):	1500	0.03	1500	145.96
Reliability (%):	90	100	90	100
AC Top-Down Fatigue Cracking (ft/mile):	2500	261.1	2500	624.97
Reliability (%):	90	100	90	100

- NOTES:**
- CURB TYPE 6, WHERE SPECIFIED IN THE TABULATION OF GUARDRAIL, SHALL BE PLACED DIRECTLY IN FRONT OF GUARDRAIL POSTS.
  - TYPICAL SECTION DATA IS BASED ON THE BEST AVAILABLE INFORMATION. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY EACH SECTION.
  - SAFETY EDGE SHALL BE CONSTRUCTED IN ALL AREAS WITHOUT GUARDRAIL. (SEE DETAIL)



- LEGEND:**
- MATCH EXISTING CROSS SLOPE
  - ⊕ GRADING LOCATIONS SHALL BE DETERMINED BY THE ENGINEER AND PAID AS ABC (SHOULDER MATERIAL)
  - \* WHERE POSSIBLE GRADE THIS AREA FLAT AS DETERMINED BY THE ENGINEER
  - RS RUMBLE STRIP: OMIT AT APPROACHES, CONTINUE THROUGH PASSING ZONES. USE INTERMITTENT RUMBLE STRIP ON SHOULDERS PER M-614-1



Print Date: 1/24/2017	<b>Sheet Revisions</b>			Colorado Department of Transportation		As Constructed		US 50 TYPICAL SECTION		Project No./Code			
File Name: 21255DES_TypSect03.dgn	Date:	Comments	Init.	1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 Region 2 DW		No Revisions:		Designer: JAB Detailer: LMB Subset: TYPICAL		STA 0503-089			
Horiz. Scale: 1:10 Vert. Scale: N/A						Revised:				Structure Numbers		21255	
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1. FOR PRELIMINARY PLAN QUANTITIES OF MATERIALS, THE FOLLOWING RATES OF APPLICATION WERE USED:
  - TACK COAT DILUTED EMULSIFIED ASPHALT.....@ 0.05 GALS./SQ. YD.(UNDILUTED)
  - HOT MIX ASPHALT.....@ 110 LBS./SQ. YD./INCH
  - AGGREGATE BASE COURSE CLASS-6.....@ 133 LBS./CU. FT.
  - AGGREGATE BASE COURSE (SPECIAL).....@ 125 LBS./CU. FT.
  - AGGREGATE BASE COURSE (SHOULDERING MATERIAL).....@ 125 LBS./CU. FT.
  - MODIFIED EPOXY PAVEMENT MARKING (INLAID).....@ 80 SF./GAL.
2. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.
3. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER. WATER SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF WORK.
4. THE FOLLOWING SHALL BE FURNISHED WITH EACH BITUMINOUS PAVER:
  - A. A SKI TYPE DEVICE AT LEAST 30 FEET IN LENGTH.
  - B. SHORT SKI OR SHOE.
  - C. 500 FEET OF CONTROL LINE AND STAKES.
5. ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
6. ASPHALT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 401.16 OF THE 2011 COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. TRAVEL LANES ON US 50 ARE SUBJECT TO SMOOTHNESS INCENTIVE/DISINCENTIVE PAYMENTS. US 50 PAVEMENT SMOOTHNESS SHALL BE MRI CATEGORY I. TRAVEL LANES ON SH 9 WILL NOT BE SUBJECT TO SMOOTHNESS INCENTIVE. SH 9 PAVEMENT SMOOTHNESS SHALL BE MRI CATEGORY IV.
8. ROAD APPROACHES WHICH REQUIRE BITUMINOUS PAVEMENT SHALL BE PRIMED AND PAVED AS SPECIFIED IN THE TABULATION OF APPROACHES AND PULLOUTS, OR AS FOLLOWS:
 

PUBLIC APPROACHES SHALL BE PAVED 50 FEET OUT FROM THE EDGE OF SHOULDER OR TO THE RIGHT-OF-WAY LINE, WHICHEVER IS LESS. RESIDENTIAL OR FIELD ENTRANCES SHALL BE PAVED 4 FEET OUT FROM THE EDGE OF SHOULDER. THREE OR MORE RESIDENCES OR COMMERCIAL PROPERTIES SHALL BE PAVED 20 FEET OUT FROM THE EDGE OF SHOULDER OR TO THE RIGHT-OF-WAY LINE, WHICHEVER IS LESS. IF EXISTING APPROACH PAVEMENT IS LESS THAN DETAILED ABOVE, THEN THE PROJECT SHALL OVERLAY ONLY TO THE EDGE OF EXISTING PAVEMENT.
9. THE CONTRACTOR SHALL NOT PARK ANY VEHICLES OR EQUIPMENT IN, OR DISTURB ANY AREAS NOT APPROVED BY THE ENGINEER.
10. MILLINGS SHALL BECOME THE PROPERTY OF THE STATE, EXCEPT AS DETAILED IN THE PROJECT SPECIAL PROVISIONS.
11. PRIOR TO PLACING BITUMINOUS PAVEMENT, THE PAVED SURFACE SHALL BE SWEEPED AND CLEANED. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE HOT MIX ASPHALT PAVEMENT ITEM.
12. OVERLAY OF PLANED AREAS SHALL COMMENCE WITHIN 5 WORKING DAYS FOLLOWING THE PLANING UNLESS OTHERWISE APPROVED BY THE ENGINEER.
13. MOISTURE-DENSITY CONTROL WILL BE REQUIRED FOR THE FULL DEPTH OF THOSE EMBANKMENTS ON THIS PROJECT.
14. EXCAVATION REQUIRED FOR COMPACTION OF BASES OF CUTS AND FILLS WILL BE CONSIDERED AS SUBSIDIARY TO THAT OPERATION AND WILL NOT BE PAID FOR SEPARATELY.
15. IT IS ESTIMATED THAT 8 REMOVALS OF TREE WILL BE REQUIRED ON THIS PROJECT.
16. IT IS ESTIMATED THAT 20 HOURS OF BLADING WILL BE REQUIRED ON THIS PROJECT.
17. IT IS ESTIMATED THAT 20 HOURS OF HYDRAULIC EXCAVATOR WILL BE REQUIRED ON THIS PROJECT.
18. IT IS ESTIMATED THAT 60 HOURS WILL BE REQUIRED FOR POTHOLING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH THE APPROPRIATE UTILITY REPRESENTATIVES TO BE ONSITE DURING POTHOLING AND SHALL LIKEWISE BE RESPONSIBLE FOR DETERMINING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAYBE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL REFER TO THE UTILITY SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
19. IT IS ESTIMATED THAT 2 ROAD CLOSURE GATES WILL BE REQUIRED ON THIS PROJECT.

20. RUMBLE STRIPS SHALL BE INSTALLED ON THE SOUTHBOUND APPROACH OF SH 9 TO US 50 IN ACCORDANCE WITH CDOT STANDARD M-614-1, FOR "STOP SIGN APPROACH".
21. IT IS ESTIMATED THAT 271,500 LF OF RUMBLE STRIP WILL BE REQUIRED ON THIS PROJECT. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH CDOT STANDARD M-614-1.
22. IT IS ESTIMATED THAT 1 FIELD OFFICE (CLASS 2) WILL BE REQUIRED ON THIS PROJECT.
23. IT IS ESTIMATED THAT 1 FIELD LABORATORY (CLASS 2) WILL BE REQUIRED ON THIS PROJECT.
24. IT IS ESTIMATED THAT 1 FIELD LABORATORY (STATE FURNISHED) WILL BE REQUIRED ON THIS PROJECT.
25. IT IS ESTIMATED THAT 2 SANITARY FACILITIES WILL BE REQUIRED ON THIS PROJECT.
26. MOBILIZATION WILL BE REQUIRED ON THIS PROJECT AND PAID FOR AS LUMP SUM.
27. PUBLIC INFORMATION SERVICES (TIER III) WILL BE REQUIRED ON THIS PROJECT AND PAID FOR AS LUMP SUM. SEE SPECIAL PROVISIONS FOR DETAILS.
28. NO RIGHT-OF-WAY ACQUISITION WILL BE NEEDED FOR THIS PROJECT. ALL WORK WILL BE COMPLETED ENTIRELY WITHIN THE EXISTING RIGHT-OF-WAY.
29. WHERE NEW PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE USING A CUTTING SAW OR OTHER METHOD AS APPROVED BY THE ENGINEER. SAW CUTTING ASPHALT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF REMOVAL OF ASPHALT MAT.
30. ALL SURVEYING NECESSARY TO COMPLETE THE PROJECT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK.
31. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION DESIGNATED TO REMAIN FROM DAMAGE DURING CONSTRUCTION OPERATIONS. ANY MONUMENTS DISTURBED BY THE CONTRACTOR THAT ARE NOT DESIGNATED FOR RELOCATION, SHALL BE RESET AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR AND ENGINEER SHALL NOTE THOSE MONUMENTS IN THE FIELD PRIOR TO CONSTRUCTION.
32. CLEAN CULVERT SHALL BE CONDUCTED IN A MANNER THAT DOES NOT DISCHARGE FLUID OUTSIDE THE WORK AREA.
33. TRANSITION TO EXISTING ASPHALT ASSUMES A PLANING RATE OF 1/8":50' OR 150' TOTAL.
34. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2011 CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PROJECT SPECIAL PROVISIONS, M&S STANDARDS, STANDARD SPECIAL PROVISIONS, AND THESE DRAWINGS.
35. MILE POST REFERENCES ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR.
36. ALL RANGE POINTS, TIES, BENCH MARKS, OR OTHER SURVEY CONTROL POINTS WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION MUST BE PRESERVED.
37. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES, IN ADDITION TO NORMAL CONSTRUCTION PROCEDURES, SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER, AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS AS APPROVED.
38. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL UTILITIES AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE ENGINEER OR APPLICABLE ENTITY.
39. THE CONTRACTOR SHALL MAINTAIN PAVEMENT MARKINGS ON THE ROADWAY DURING ALL PHASES OF CONSTRUCTION IN ACCORDANCE WITH MUTCD AND CDOT STANDARDS.
40. FINAL GRADING OF PAVING SHALL PROVIDE POSITIVE DRAINAGE. WATER POCKETS AND POOLING OF WATER ON THE ROADWAY WILL NOT BE ACCEPTED, AND SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
41. ALL WORK WITHIN AND ADJACENT TO RAILROAD RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH RAILROAD REQUIREMENTS AND THE PROJECT SPECIFICATIONS. ANY WORK PERFORMED WITHIN 25 FEET OF RAILROAD TRACK CENTERLINE SHALL REQUIRE FLAGGING. COSTS ASSOCIATED WITH ANY REQUIRED FLAGGING SHALL BE PAID UNDER ITEM F/A RAILROAD FLAGGING.

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**Colorado Department of Transportation**  
 1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323    FAX: 719-227-3298  
**Region 2**      **DW**

As Constructed	GENERAL NOTES	
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Project No./Code
STA 0503-089
21255
Sheet Number      6




42. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SITE SPECIFIC STAGING PLAN FOR ACCESS TO THE WORK AREAS AND FIELD FACILITIES TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF TEMPORARY INGRESS/EGRESS WILL NOT BE PAID FOR SEPARATELY. EARTHWORK, DRAINAGE, AND OTHER ITEMS RELATED TO THE ACCESS SHALL BE SUBSIDIARY TO THE WORK INCLUDING EROSION CONTROL MEASURES FOR RESTORATION OF THE SITE TO ORIGINAL CONDITION.


**ENVIRONMENTAL NOTES:**

1. CONSTRUCTION PERSONNEL SHOULD BE TRAINED TO RECOGNIZE SIGNS OF POSSIBLE CONTAMINATION IN SOIL SUCH AS ODORS AND STAINING, ESPECIALLY WITHIN THE VICINITY OF STRUCTURES AND UTILITIES.
2. OWNERS OF SUBSURFACE UTILITIES SHOULD BE CONTACTED IN AREAS WHERE EXCAVATION IS TO BE CONDUCTED IN ORDER TO ASSESS WHETHER ANY OF THE UTILITIES ARE CONTAINED IN TRANSITE™ ASBESTOS PIPE.
3. PENDING CDOT REVIEW AND RECOMMENDATION, INSPECTIONS FOR ASBESTOS CONTAINING MATERIALS, AND LEAD BASED PAINT SHOULD BE CONDUCTED ON STRUCTURES AND UTILITIES THAT WOULD BE MOVED OR IMPACTED AS A RESULT OF THE PROPOSED PROJECT.
4. FOLLOW CDOT STANDARD SPECIAL SPECIFICATION 250.
5. IF TREE AND SHRUB REMOVAL, GROUND DISTURBING ACTIVITIES, OR WORK ON STRUCTURES OCCURS DURING THE MIGRATORY BIRD BREEDING SEASON (APRIL 1 - AUGUST 31), A FULL NEST SURVEY OF THE PROJECT AREA IS REQUIRED PRIOR TO CONSTRUCTION AS DETAILED IN CDOT SECTION 240 OF THE STANDARD SPECIFICATIONS. THE SURVEY SHALL BE CONDUCTED WITHIN SEVEN DAYS IMMEDIATELY PRIOR TO THE BEGINNING OF WORK. IF AN ACTIVE NEST CONTAINING EGGS OR YOUNG BIRDS IS FOUND, THE TREE OR SHRUB CONTAINING THE ACTIVE NEST SHALL REMAIN UNDISTURBED AND PROTECTED UNTIL THE NEST BECOMES INACTIVE. THE NEST SHALL BE PROTECTED BY PLACING FENCE (PLASTIC) A MINIMUM DISTANCE OF 50 FEET FROM EACH NEST TO BE UNDISTURBED. THIS BUFFER DIMENSION MAY BE CHANGED IF DETERMINED APPROPRIATE BY THE CDOT BIOLOGIST AND APPROVED BY THE ENGINEER. WORK SHALL NOT PROCEED WITHIN THE FENCED BUFFER AREA UNTIL THE YOUNG HAVE FLEDGED OR THE NESTS HAVE BECOME INACTIVE. TO SCHEDULE A FULL NEST SURVEY PLEASE CALL CRAIG CLARK AT 719-227-3252.
6. PALEONTOLOGICAL RESOURCES ARE KNOWN TO EXIST WITHIN THE PROJECT LIMITS, PARTICULARLY ALONG US HIGHWAY 50. THE CONTRACTOR SHALL SUSPEND WORK TO SEEK AND ACQUIRE THE APPROVAL OF CDOT PALEONTOLOGISTS IF THE CONTRACTOR AND ENGINEER DETERMINE THAT IT IS NECESSARY TO DISTURB ROCK OUTSIDE OF THE HIGHWAY OR EXPAND THE LIMITS OF DISTURBANCE BEYOND THE LIMITS OF THE EXISTING HIGHWAY.
7. ALL CONSTRUCTION ACTIVITIES WILL CONFORM WITH CDOT'S BEST MANAGEMENT PRACTICES AND CRITERIA MANUALS AS OUTLINED IN THE STORMWATER MANAGEMENT PLAN.
8. NO PARKING, OR ANY USE OF PARKS OR PUBLICS USE AREAS, INCLUDING BUREAU OF LAND MANAGEMENT AND COLORADO PARKS AND WILDLIFE AREAS SHALL BE ALLOWED.
9. IT IS ESTIMATED THAT 80 HOURS OF REMOVAL OF NESTS WILL BE REQUIRED ON THIS PROJECT.
10. IT IS ESTIMATED THAT 942 SY OF NETTING WILL BE REQUIRED ON THIS PROJECT.

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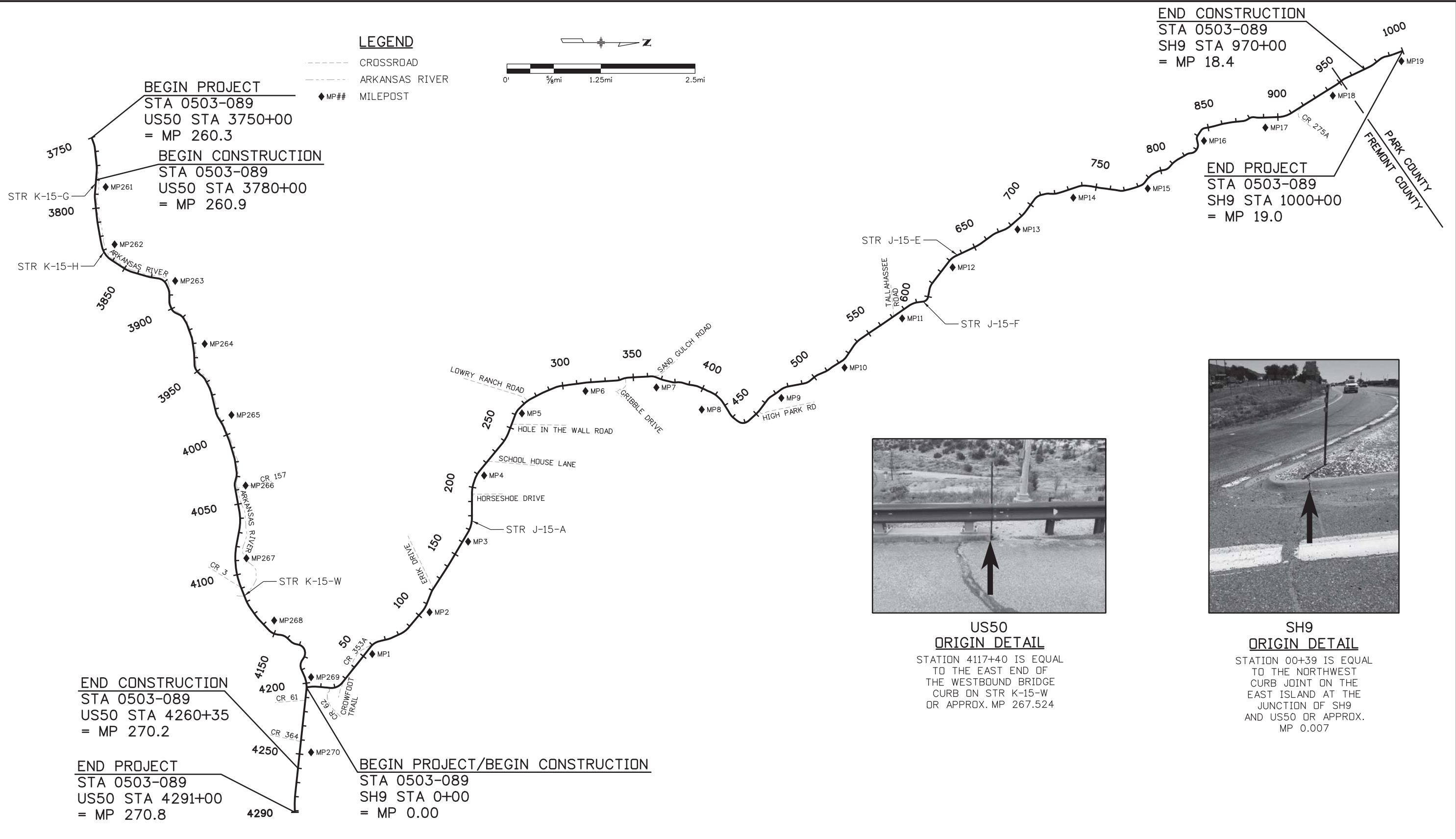

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 1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323    FAX: 719-227-3298  
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Designer:	WRS	Structure Numbers	
Detailer:	JAB		
Subset:	GEN-NOTES	Subset Sheets: 2 of 2	

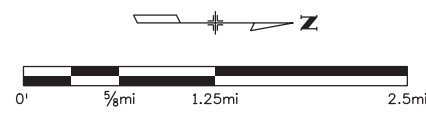
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**LEGEND**

- CROSSROAD
- ARKANSAS RIVER
- ◆ MP## MILEPOST

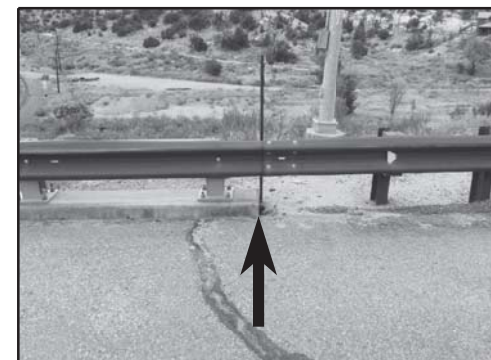


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SH9 STA 970+00  
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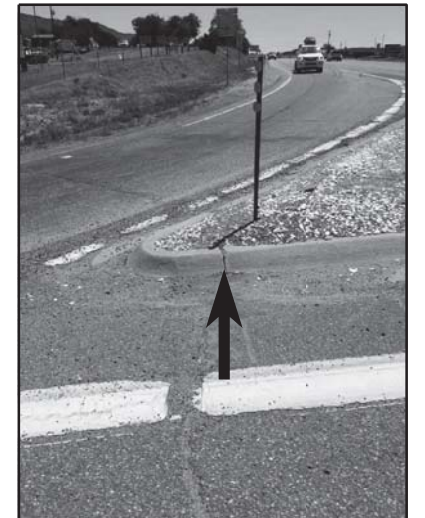
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SH9 STA 1000+00  
= MP 19.0



**US50  
ORIGIN DETAIL**

STATION 417+40 IS EQUAL TO THE EAST END OF THE WESTBOUND BRIDGE CURB ON STR K-15-W OR APPROX. MP 267.524



**SH9  
ORIGIN DETAIL**

STATION 00+39 IS EQUAL TO THE NORTHWEST CURB JOINT ON THE EAST ISLAND AT THE JUNCTION OF SH9 AND US50 OR APPROX. MP 0.007

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SH 9 / US 50 OVERVIEW AND CONTROL			
Designer:	JAB	Structure	
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Sheet Number      8



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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY - SH9		ROADWAY - US50		STRUCTURES - SH9 J-15-A		STRUCTURES - US50 K-15-W		STRUCTURES - US50 K-15-H		STRUCTURES - US50 K-15-G		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.	PLAN	AS CONST.
			202-00010	Removal of Tree	EACH					2		2		2		2				8	
			202-00090	Removal of Delineator	EACH	992		659												1,651	
			202-00201	Removal of Curb	LF	1,963														1,963	
			202-00226	Removal of Asphalt Mat (Special)	SY					469		1,067		172		144				1,852	
			202-00240	Removal of Asphalt Mat (Planing)	SY	4,373		235,561												239,934	
			202-00425	Removal of Bridge Railing	LF										87					87	
			202-00453	Removal of Portions of Present Structure (Class 2)	SY					47		54		18		29				148	
			202-00460	Removal of Portions of Present Structure (Class 3)	SY					10		22		4		22				58	
			202-00520	Removal of Expansion Joint Material	LF					60										60	
			202-00810	Removal of Ground Sign	EACH	112		57												169	
			202-00821	Removal of Sign Panel	EACH	25		9												34	
			202-01130	Removal of Guardrail Type 3	LF	3,228		89												3,317	
			202-01300	Removal of End Anchorage	EACH	24		47												71	
			202-04002	Clean Culvert	EACH	49		12												61	
			203-00000	Unclassified Excavation	CY	593		810												1,403	
			203-01500	Blading	HOUR	10		10												20	
			203-01510	Backhoe	HOUR	12		8												20	
			203-01565	Hydraulic Excavator	HOUR	10		10												20	
			203-01597	Potholing	HOUR	30		30												60	
			203-01622	Sweeping (With Pickup Broom)	HOUR	48		48												96	
			206-00065	Structure Backfill (Flow-Fill)	CY					6										6	
			208-00002	Erosion Log Type 1 (12 Inch)	LF	100		100												200	

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 T 719.531.0001      www.aecom.com

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 Colorado Springs, CO 80906  
 Phone: 719-634-2323      FAX: 719-227-3298

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SUMMARY OF APPROXIMATE QUANTITIES			
Designer:	JAB	Structure Numbers	
Detailer:	WRS	Subset Sheets: 1 of 6	
Subset:	SAQ		

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Sheet Number 9

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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY - SH9		ROADWAY - US50		STRUCTURES - SH9 J-15-A		STRUCTURES - US50 K-15-W		STRUCTURES - US50 K-15-H		STRUCTURES - US50 K-15-G		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.	PLAN	AS CONST.
			208-00020	Silt Fence	LF	100		100												200	
			208-00045	Concrete Washout Structure	EACH	3		3												6	
			208-00053	Storm Drain Inlet Protection (Type I)	EACH	5		5												10	
			208-00070	Vehicle Tracking Pad	EACH			2												2	
			208-00103	Removal and Disposal of Sediment (Labor)	HOUR	100		100												200	
			208-00105	Removal and Disposal of Sediment (Equipment)	HOUR	40		40												80	
			208-00106	Sweeping (Sediment Removal)	HOUR	72		72												144	
			208-00107	Removal of Trash	HOUR	10		10												20	
			208-00207	Erosion Control Management	DAY	75		75												150	
			210-00425	Reset Bridge Railing	LF					20										20	
			210-00810	Reset Ground Sign	EACH			3												3	
			210-00815	Reset Sign Panel	EACH			5												5	
			210-01050	Reset Chain Link Fence	LF					13										13	
			210-01200	Reset End Anchorage	EACH			1												1	
			210-04030	Modify Guardrail	LF			10,957												10,957	
			240-00010	Removal of Nests	HOUR					20		20		20		20				80	
			240-00020	Netting	SY					283		533		59		67				942	
			304-06007	Aggregate Base Course (Class 6)	CY	300		540												840	
			304-08002	Aggregate Base Course (Shoulder Material)	CY	970		811												1,781	
			304-09000	Aggregate Base Course (Special)	CY	295		325												620	
			403-00720	Hot Mix Asphalt (Patching) (Asphalt)	TON	274		323												597	
			403-34821	Hot Mix Asphalt (Grading SX) (100) (PG 58-28)	TON			28,182												28,182	

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 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920  
 T 719.531.0001      www.aecom.com

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**Colorado Department of Transportation**  
  
 1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323      FAX: 719-227-3298  
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No Revisions:	Designer: JAB	Structure Numbers
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 21255  
 Sheet Number 10



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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY - SH9		ROADWAY - US50		STRUCTURES - SH9 J-15-A		STRUCTURES - US50 K-15-W		STRUCTURES - US50 K-15-H		STRUCTURES - US50 K-15-G		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.	PLAN	AS CONST.
			403-34824	Hot Mix Asphalt (Grading SX)(100)(PG 58-28)(Special)	TON			5,052												5,052	
			403-36721	Hot Mix Asphalt (Grading ST)(75)(PG 58-28)	TON	28,710														28,710	
			411-10255	Emulsified Asphalt (Slow-Setting)	GAL	16,486		11,712												28,198	
			506-00212	Riprap (12 Inch)	CY	4		6												10	
			515-00120	Waterproofing (Membrane)	SY				469	1,067		172		146						1,854	
			518-01001	Bridge Expansion Joint (Asphaltic Plug)	LF				60											60	
			518-03000	Sawing and Sealing Bridge Joint	LF				60	80		93		67						300	
			601-03040	Concrete Class D (Bridge)	CY									4						4	
			601-03041	Concrete Class D (Bridge) (Special)	CY				8		11		3		8					30	
			601-51005	Galvanic Anodes	EACH				285		380		110		255					1,030	
			602-00000	Reinforcing Steel	LB				200		275		75		325					875	
			602-00020	Reinforcing Steel (Epoxy Coated)	LB									361						361	
			603-10120	12 Inch Corrugated Steel Pipe	LF	40		340												380	
			606-00301	Guardrail Type 3 (6-3 Post Spacing) 31 IN MGS	LF	3,300		875												4,175	
			606-01370	Transition Type 3G 31 IN MGS	EACH			7												7	
			606-01395	Transition Type 3L 31 IN MGS	EACH	4														4	
			606-02003	End Anchorage (Nonflared) 31 IN MGS	EACH			6												6	
			606-02005	End Anchorage (Flared) 31 IN MGS	EACH	20		34												54	
			606-11010	Bridge Rail Type 10R	LF									87						87	
			607-11525	Fence (Plastic)	LF				50		50		50		50					200	
			607-60620	Road Closure Gate	EACH			2												2	
			609-60011	Curb Type 6 (Section M) BITUMINOUS	LF	3,967		20												3,987	

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 Phone: 719-634-2323      FAX: 719-227-3298  
**Region 2**      DW

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No Revisions:
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Void:

SUMMARY OF APPROXIMATE QUANTITIES			
Designer:	JAB	Structure	
Detailer:	LMB	Numbers	
Subset:	SAQ	Subset Sheets:	3 of 6

Project No./Code	
	STA 0503-089
	21255
Sheet Number	11

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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY - SH9		ROADWAY - US50		STRUCTURES - SH9 J-15-A		STRUCTURES - US50 K-15-W		STRUCTURES - US50 K-15-H		STRUCTURES - US50 K-15-G		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.	PLAN	AS CONST.
			612-00001	Delineator (Type I)	EACH	702														702	
			612-00003	Delineator (Type III)	EACH	290														290	
			612-00041	Delineator (Flexible) (Type I)	EACH			435												435	
			612-00042	Delineator (Flexible) (Type II)	EACH			27												27	
			612-00043	Delineator (Flexible) (Type III)	EACH			197												197	
			614-00011	Sign Panel (Class I)	SF	378		269												647	
			614-00012	Sign Panel (Class II)	SF	1,331		624												1,955	
			614-01503	Steel Sign Support (2-Inch Round)(Post and Socket)	EACH	58		34												92	
			614-01573	Steel Sign Support (2-1/2 Inch Round NP-40)(Post & Slipbase)	EACH	94		46												140	
			614-80001	Flashing Beacon (Solar Powered)	EACH	2														2	
			614-80385	Rumble Strip	LF	192,200		79,300												271,500	
			615-00030	Embankment Protector Type 3	EACH	2		3												5	
			620-00002	Field Office (Class 2)	EACH	1														1	
			620-00012	Field Laboratory (Class 2)	EACH	1														1	
			620-00015	Field Laboratory (State Furnished)	EACH	1														1	
			620-00020	Sanitary Facility	EACH	2														2	
			626-00000	Mobilization	L S			1												1	
			626-01103	Public Information Services (Tier III)	L S			1												1	
			627-00009	Modified Epoxy Pavement Marking(Inlaid)	GAL	1,307		824												2,131	
			627-00011	Pavement Marking Paint (Waterborne)	GAL			2,045												2,045	
			627-30405	Preformed Thermoplastic Pavement Marking (Word-Symbol)	SF			418												418	

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 Phone: 719-634-2323      FAX: 719-227-3298  
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 Revised:  
 Void:

SUMMARY OF APPROXIMATE QUANTITIES			
Designer:	JAB	Structure Numbers	
Detailer:	LMB	Subset Sheets:	4 of 6
Subset:	SAQ		

**Project No./Code**  
 STA 0503-089  
 21255  
 Sheet Number 12

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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY -- SH9		ROADWAY -- US50		STRUCTURES -- SH9 J-15-A		STRUCTURES -- US50 K-15-W		STRUCTURES -- US50 K-15-H		STRUCTURES -- US50 K-15-G		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.	PLAN	AS CONST.
			627-30410	Preformed Thermoplastic Pavement Marking (Xwalk-Stop Line)	SF	47														47	
			630-00000	Flagging	HOUR	2,880		2,880												5,760	
			630-00007	Traffic Control Inspection	DAY	29		29												58	
			630-00012	Traffic Control Management	DAY	60		60												120	
			630-80001	Flashing Beacon (Portable)	EACH	4		4												8	
			630-80341	Construction Traffic Sign (Panel Size A)	EACH	2		2												4	
			630-80342	Construction Traffic Sign (Panel Size B)	EACH	32		32												64	
			630-80350	Vertical Panel	EACH	10		10												20	
			630-80355	Portable Message Sign Panel	EACH	1		2												3	
			630-80360	Drum Channelizing Device	EACH	50		50												100	
			630-80370	Concrete Barrier (Temporary)	LF					50		50		50		50				200	
			630-80380	Traffic Cone	EACH	200		200												400	
			630-80520	Mobile Pavement Marking Zone	DAY	9		5												14	
			630-85011	Impact Attenuator (Temporary)	DAY					11		15		7		25				58	
			630-85041	Mobile Attenuator	DAY	15		15												30	
			700-70010	FORCE ACCOUNT =====																	
			700-70010	F/A Minor Contract Revisions	F A			200,000												200,000	
			700-70011	F/A Partnering	F A			5,000												5,000	
			700-70016	F/A Fuel Cost Adjustment	F A			70,000												70,000	
			700-70018	F/A Roadway Smoothness Incentive	F A			83,000												83,000	
			700-70019	F/A Asphalt Cement Cost Adjustment	F A			260,000												260,000	
			700-70023	F/A On-The-Job Trainee	F A			3,840												3,840	

Print Date: 2/1/2017

File Name: 21255DES\_S0AQ05.dgn

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Void:

**SUMMARY OF APPROXIMATE QUANTITIES**

Designer:	JAB	Structure Numbers	
Detailer:	LMB	Subset Sheets:	5 of 6
Subset:	SAQ		

**Project No./Code**

STA 0503-089

21255

Sheet Number 13



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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY - SH9		ROADWAY - US50		STRUCTURES - SH9 J-15-A		STRUCTURES - US50 K-15-W		STRUCTURES - US50 K-15-H		STRUCTURES - US50 K-15-G		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.	PLAN	AS CONST.
			700-70025	F/A Quality Incentive Payment	F A			150,000												150,000	
			700-70031	F/A Interim Surface Repair	F A			50,000												50,000	
			700-70042	F/A Railroad Flagging	F A			29,000												29,000	
			700-70190	F/A Electric Service	F A			20,000												20,000	
			700-70380	F/A Erosion Control	F A			10,000												10,000	

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**Region 2**      DW

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 Revised:  
 Void:

SUMMARY OF APPROXIMATE QUANTITIES			
Designer:	JAB	Structure Numbers	
Detailer:	LMB		
Subset:	SAQ	Subset Sheets: 6 of 6	

Project No./Code  
 STA 0503-089  
 21255  
 Sheet Number 14

### TABULATION OF SURFACING MATERIALS (1 OF 2)

LOCATION	APPROX STATION	TO APPROX STATION	LENGTH	DEPTH	WIDTH RANGE		AVERAGE WIDTH	AREA	202-00240	304-08002	403-34821	403-34824	403-36721	411-10255	COMMENTS
									REMOVAL OF ASPHALT MAT (PLANING)	AGGREGATE BASE COURSE (SHOULDER MATERIAL)	HOT MIX ASPHALT (GRADING SX) (100) (PG 58-28)	HOT MIX ASPHALT (GRADING SX) (100) (58-28) (SPECIAL)	HOT MIX ASPHALT (GRADING ST) (75) (PG 58-28)	EMULSIFIED ASPHALT (SLOW-SETTING)	
									SY	CY	TON	TON	TON	GAL	
LF	IN	BEGIN	END	FT	SY	SY	CY	TON	TON	TON	GAL				
INCLUDED IN US50 QUANTITIES															
SH 9	0+00	1+15	115	-	-	-	-								
SH 9	1+15	2+65	150	1.5"	30	30	30	500	500	1			41	25	TRANSITION TO EXISTING ASPHALT ELEVATION. SEE TYPICAL SECTIONS
SH 9	2+65	52+80	5,015	2.03"	30	30	30	16,717		63			1,866	836	VARIABLE DEPTH OVERLAY: 2.03" AVERAGE DEPTH. SEE TYPICAL SECTIONS AND ROADWAY DETAILS
SH 9	52+80	163+61	11,081	1.5"	30	30	30	36,937		103			3,047	1,847	
SH 9	163+61	165+11	150	1.5"	30	30	30	500	500	1			41	25	TRANSITION TO J-15-A, SEE TYPICAL SECTIONS
SH 9	165+11	166+09	98	-	-	-	-		J-15-A SEE TABULATION OF STRUCTURES						
SH 9	166+09	167+59	150	1.5"	30	30	30	500	500	1			41	25	TRANSITION TO J-15-A, SEE TYPICAL SECTIONS
SH 9	167+59	293+30	12,571	1.5"	30	30	30	41,903		116			3,457	2,095	
SH 9	293+30	294+80	150	1.5"	30	30	30	500	500	1			41	25	TRANSITION TO EXISTING CONCRETE PAVEMENT. SEE TYPICAL SECTIONS
SH 9	294+80	296+90	210	1.5"	30	30	30	700	EXISTING CONCRETE PAVEMENT: NO WORK IN THIS AREA						
SH 9	296+90	298+40	150	1.5"	30	30	30	500	500	1			41	25	TRANSITION TO EXISTING CONCRETE PAVEMENT. SEE TYPICAL SECTIONS
SH 9	298+40	590+50	29,210	1.5"	30	30	30	97,367		270			8,033	4,868	
SH 9	590+50	592+00	150	1.5"	30	30	30	500	500	1			41	25	TRANSITION TO J-15-F. SEE TYPICAL SECTIONS
SH 9	592+00	601+10	910	-	-	-	-		J-15-F: DO NOT RESURFACE THE AREA IN THIS STATION RANGE DUE TO RECENT MILL AND FILL						
SH 9	601+10	602+60	150	1.5"	28	28	28	467	467	1			39	23	TRANSITION TO J-15-F. SEE TYPICAL SECTIONS
SH 9	602+60	635+88	3,328	1.5"	28	28	28	10,354		31			854	518	
SH 9	635+88	636+12	24	-	-	-	-		J-15-E SEE TABULATION OF STRUCTURES						
SH 9	636+12	714+00	7,788	1.5"	28	28	28	24,229		72			1,999	1,211	
SH 9	714+00	715+00	100	1.5"	28	26	27	300		1			25	15	
SH 9	715+00	950+50	23,550	1.5"	26	26	26	68,033		218			5,613	3,402	
SH 9	950+50	952+00	150	1.5"	26	26	26	433	433	1			36	22	TRANSITION TO EXISTING ASPHALT ELEVATION. SEE TYPICAL SECTIONS
US 50	3780+00	3781+85	185	2.5"	32	32	32	658	658	3	90			33	
US 50	3781+85	3782+28	43	-	-	-	-		K-15-G SEE TABULATION OF STRUCTURES						
US 50	3782+28	3796+35	1,407	2.5"	32	32	32	5,003	5,003	22	688			250	
US 50	3796+35	3799+70	335	2.5"	32	44	38	1,414	1,414	5	194			71	
US 50	3799+70	3803+75	405	2.5"	44	44	44	1,980	1,980	6	272			99	
US 50	3803+75	3808+15	440	2.5"	44	53	48.5	2,371	2,371	7	326			119	
US 50	3808+15	3808+65	50	2.5"	53	59	56	311	311	1	43			16	
US 50	3808+65	3811+20	255	2.5"	59	64	61.5	1,743	1,743	4	240			87	
US 50	3811+20	3816+50	530	2.5"	64	64	64	3,769	3,769	8	518			188	
US 50	3816+50	3818+00	150	2.5"	64	72	68	1,133	1,133	2	156			57	
US 50	3818+00	3822+00	400	2.5"	72	56	64	2,844	2,844	6	391			142	
US 50	3822+00	3827+50	550	2.5"	56	44	50	3,056	3,056	8	420			153	
US 50	3827+50	3830+29	279	2.5"	44	44	44	1,364	1,364	4	188			68	
US 50	3830+29	3830+62	33	-	-	-	-		K-15-H SEE TABULATION OF STRUCTURES						
US 50	3830+62	3871+50	4,088	2.5"	44	44	44	19,986	19,986	63	2,748			999	
US 50	3871+50	3872+00	50	2.5"	44	50	47	261	261	1	36			13	
US 50	3872+00	3880+00	800	2.5"	50	50	50	4,444	4,444	12	611			222	
US 50	3880+00	3881+00	100	2.5"	50	46	48	533	533	2	73			27	
US 50	3881+00	3884+00	300	2.5"	46	32	39	1,300	1,300	5	179			65	
US 50	3884+00	4034+00	15,000	2.5"	32	32	32	53,333	53,333	231	7,333			2,667	
US 50	4034+00	4056+00	2,200	2.5"	32	32	32	7,822	7,822	34		1,076		391	
US 50	4056+00	4060+00	400	2.5"	32	36	34	1,511	1,511	6		208		76	
US 50	4060+00	4064+50	450	2.5"	36	64	50	2,500	2,500	7		344		125	
US 50	4064+50	4071+00	650	2.5"	64	64	64	4,622	4,622	10		636		231	
US 50	4071+00	4072+00	100	2.5"	64	60	62	689	689	2		95		34	
US 50	4072+00	4075+00	300	2.5"	60	60	60	2,000	2,000	5		275		100	
SH 9 SURFACING SUBTOTAL (1 OF 2)									3,900	882	0	0	25,215	14,987	
US 50 SURFACING SUBTOTAL (1 OF 2)									124,647	454	14,506	2,634	0	6,233	

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Sheet Revisions		
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 Colorado Springs, CO 80906  
 Phone: 719-634-2323    FAX: 719-227-3298

**Region 2**      **DW**

As Constructed	TABULATION OF SURFACING MATERIALS	
No Revisions:	Designer: JAB	Structure Numbers
Revised:	Detailer: LMB	
Void:	Subset: TAB-SURFACE	Subset Sheets: 1 of 2

**Project No./Code**

STA 0503-089

21255

Sheet Number 15



**TABULATION OF SURFACING MATERIALS (2 OF 2)**

LOCATION	APPROX STATION	TO APPROX STATION	LENGTH	DEPTH	WIDTH RANGE		AVERAGE WIDTH	AREA	202-00240	304-08002	403-34821	403-34824	403-36721	411-10255	COMMENTS
					REMOVAL OF ASPHALT MAT (PLANING)	AGGREGATE BASE COURSE (SHOULDER MATERIAL)			HOT MIX ASPHALT (GRADING SX) (100) (PG 58-28)	HOT MIX ASPHALT (GRADING SX) (100) (58-28) (SPECIAL)	HOT MIX ASPHALT (GRADING ST) (75) (PG 58-28)	EMULSIFIED ASPHALT (SLOW-SETTING)			
					SY	CY			TON	TON	TON	GAL			
LF	IN	BEGIN	END	FT	SY	SY	CY	TON	TON	TON	GAL				
US 50	4075+00	4078+75	375	2.5"	60	55	57.5	2,396	2,396	6		329		120	
US 50	4078+75	4080+50	175	2.5"	55	36	45.5	885	885	3		122		44	
US 50	4080+50	4088+00	750	2.5"	36	36	36	3,000	3,000	12		413		150	
US 50	4088+00	4090+00	200	2.5"	36	32	34	756	756	3		104		38	
US 50	4090+00	4107+00	1,700	2.5"	32	32	32	6,044	6,044	26		831		302	
US 50	4107+00	4109+00	200	2.5"	32	36	34	756	756	3		104		38	
US 50	4109+00	4110+00	100	2.5"	36	36	36	400	400	2		55		20	
US 50	4110+00	4111+50	150	2.5"	36	40	38	633	633	2	87			32	
US 50	4111+50	4114+84	334	2.5"	40	40	40	1,484	1,484	5	204			74	
US 50	4114+84	4117+24	240	-	-	-	-								
K-15-W SEE TABULATION OF STRUCTURES															
US 50	4117+24	4119+00	176	2.5"	40	40	40	782	782	3	108			39	
US 50	4119+00	4124+35	535	2.5"	40	50	45	2,675	2,675	8	368			134	
US 50	4124+35	4195+00	7,065	2.5"	50	50	50	39,250	39,250	109	5,397			1,963	
US 50	4195+00	4200+00	500	2.5"	50	56	53	2,944	2,944	8	405			147	
US 50	4200+00	4201+00	100	2.5"	56	56	56	622	622	2	86			31	
US 50	4201+00	4204+50	350	2.5"	US50 / SH 9 INTERSECTION			2,678	2,678	5	368			134	
US 50	4204+50	4208+50	400	2.5"	56	56	56	2,489	2,489	6	342			124	
US 50	4208+50	4211+70	320	2.5"	56	32	44	1,564	1,564	5	215			78	
US 50	4211+70	4253+00	4,130	2.5"	32	32	32	14,684	14,684	64	2,019			734	
US 50	4253+00	4260+35	735	2.5"	32	72	52	4,247	4,247	11	584			212	MATCH LOCATION OF RECENTLY CONSTRUCTED PAVEMENT
SH 9 SURFACING SUBTOTAL (2 OF 2)									0	0	0	0	0	0	
US 50 SURFACING SUBTOTAL (2 OF 2)									83,289	283	10,183	1,958	0	4,414	

	202-00240	304-08002	403-34821	403-34824	403-36721	411-10255
	REMOVAL OF ASPHALT MAT (PLANING)	AGGREGATE BASE COURSE (SHOULDER MATERIAL)	HOT MIX ASPHALT (GRADING SX) (100) (PG 58-28)	HOT MIX ASPHALT (GRADING SX) (100) (58-28) (SPECIAL)	HOT MIX ASPHALT (GRADING ST) (75) (PG 58-28)	EMULSIFIED ASPHALT (SLOW-SETTING)
	SY	CY	TON	TON	TON	GAL
SH 9 SURFACING SUBTOTAL (1 OF 2)	3,900	882			25,215	14,987
US 50 SURFACING SUBTOTAL (1 OF 2)	124,647	454	14,506	2,634		6,233
SH 9 SURFACING SUBTOTAL (2 OF 2)						
US 50 SURFACING SUBTOTAL (2 OF 2)	83,289	283	10,183	1,958		4,414
TABULATION OF APPROACHES AND PULLOUTS - SH 9 APPROACH SUBTOTAL					801	
TABULATION OF APPROACHES AND PULLOUTS - US 50 APPROACH SUBTOTAL	1,210		706			
TABULATION OF STRUCTURES - SH 9 SUBTOTAL	75				83	
TABULATION OF STRUCTURES - US 50 SUBTOTAL			225			
SH 9 SURFACING SUBTOTAL	3,975	882	0	0	26,099	14,987
US 50 SURFACING SUBTOTAL	214,146	737	25,620	4,592	0	10,647
IRREGULARITIES (10%)	21,813	162	2,562	460	2,611	2,564
<b>PROJECT TOTAL</b>	<b>239,934</b>	<b>1,781</b>	<b>28,182</b>	<b>5,052</b>	<b>28,710</b>	<b>28,198</b>

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Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**  
  
 1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323      FAX: 719-227-3298  
**Region 2**      DW

As Constructed	TABULATION OF SURFACING MATERIALS	
No Revisions:	Designer: JAB	Structure Numbers
Revised:	Detailer: LMB	
Void:	Subset: TAB-SURFACE	Subset Sheets: 2 of 2

Project No./Code
STA 0503-089
21255
Sheet Number 16

**TABULATION OF APPROACHES AND PULLOUTS (1 OF 4)**

NAME	LOCATION	APPROX STATION	SIDE	PROP AREA	WIDTH (W)	DEPTH	202-00240	203-00000	304-06007	304-09000	403-34821	403-36721	COMMENTS
							REMOVAL OF ASPHALT MAT (PLANING)	UNCLASSIFIED EXCAVATION	AGGREGATE BASE COURSE (CLASS 6)	AGGREGATE BASE COURSE (SPECIAL)	HOT MIX ASPHALT (GRADING SX) (100) (PG 58-28)	HOT MIX ASPHALT (GRADING ST) (75) (PG 58-28)	
				SY	FT	IN	SY	CY	CY	CY	TON	TON	
	SH 9	00+30	RT	61		SEE COMMENTS		31	20			20	EAST ISLAND. SEE ROADWAY DETAILS
	SH 9	01+06	RT	358		1.0"				10			UNPAVED PULLOUT
001	SH 9	01+50	LT	16	4	1.5"						1	APPROACH FOR PRIVATE PROPERTY
005	SH 9	05+90	LT	14		1.5"						1	APPROACH FOR PRIVATE PROPERTY
CR62	SH 9	15+80	RT	72	20	1.5"						6	APPROACH FOR CR 62
015	SH 9	15+80	LT	13	4	1.5"						1	APPROACH FOR PRIVATE PROPERTY
017	SH 9	17+89	RT	72	20	1.5"						6	APPROACH FOR MULTIPLE PRIVATE PROPERTIES
	SH 9	20+50	LT	2716		1.0"				75			UNPAVED PULLOUT WITH MILLINGS
026	SH 9	26+46	RT										APPROACH FOR CROWFOOT TRAIL
CR353A-S	SH 9	38+00	LT										SOUTHERN APPROACH FOR CR 353A
46RT	SH 9	46+00	RT	14	4	1.5"						1	APPROACH FOR PRIVATE PROPERTY
46LT	SH 9	46+40	LT	52	20	1.5"						4	APPROACH FOR MULTIPLE PRIVATE PROPERTIES
CR353A-N	SH 9	59+75	LT										NORTHERN APPROACH FOR CR 353A
076	SH 9	76+75	LT	18	4	1.5"						1	APPROACH FOR PRIVATE PROPERTY
083	SH 9	83+50	RT	62	20	1.5"						5	APPROACH FOR MULTIPLE PRIVATE PROPERTIES
086	SH 9	86+60	LT										APPROACH FOR MULTIPLE PRIVATE PROPERTIES
108	SH 9	108+20	RT	24	4	1.5"						2	APPROACH FOR PRIVATE PROPERTY
ERIK DR	SH 9	120+50	LT										APPROACH FOR ERIK DR
123	SH 9	123+30	RT										APPROACH FOR PRIVATE PROPERTY
134	SH 9	134+30	RT	26	4	1.5"						2	APPROACH FOR PRIVATE PROPERTY
146	SH 9	146+00	RT										APPROACH FOR PRIVATE PROPERTY
152	SH 9	152+65	RT	19	4	1.5"						2	APPROACH FOR PRIVATE PROPERTY
156	SH 9	156+75	LT	15	4	1.5"						1	APPROACH FOR PRIVATE PROPERTY
172	SH 9	172+30	RT										APPROACH FOR PRIVATE PROPERTY
192	SH 9	192+75	LT	36	4	1.5"						3	APPROACH FOR PRIVATE PROPERTY
193	SH 9	193+80	RT										APPROACH FOR HORSESHOE DRIVE
221	SH 9	221+70	RT										APPROACH FOR SCHOOL HOUSE LANE
238	SH 9	238+40	RT										APPROACH FOR PRIVATE PROPERTY
244	SH 9	244+00	RT										APPROACH FOR PRIVATE PROPERTY
253	SH 9	253+10	RT										APPROACH FOR HOLE IN THE WALL ROAD
255	SH 9	255+75	LT	110	20	1.5"						9	APPROACH FOR MULTIPLE PRIVATE PROPERTIES
272	SH 9	272+80	LT	89	20	1.5"						7	APPROACH FOR LOWRY RANCH ROAD
288	SH 9	288+50	LT	138	20	1.5"						11	APPROACH FOR MULTIPLE PRIVATE PROPERTIES
	SH 9	296+75	LT	836		1.0"				23			UNPAVED PULLOUT
	SH 9	296+75	RT	156		1.0"				4			UNPAVED PULLOUT
311	SH 9	311+00	LT										APPROACH FOR PRIVATE PROPERTY
	SH 9	318+75	RT	144		1.0"				4			UNPAVED PULLOUT
	SH 9	318+90	LT	32		1.0"				1			UNPAVED PULLOUT
320	SH 9	320+60	LT										APPROACH FOR PRIVATE PROPERTY
344RT	SH 9	344+40	RT										APPROACH FOR GRIBBLE DRIVE
SH 9 APPROACH SUBTOTAL (1 OF 4)							0	31	20	117	0	83	
US 50 APPROACH SUBTOTAL (1 OF 4)							0	0	0	0	0	0	

**NOTES:**

- 1) WIDTHS ARE MEASURED FROM EOP AS SHOWN ON THE APPROACH DETAIL ON TABULATION OF APPROACHES SHEET 5 OF 5.
- 2) INSTALL AGGREGATE BASE COURSE (SPECIAL) TO 5' FROM EDGE OF PULLOUT FOR AREAS ALONG A WATERWAY SUCH AS THE ARKANSAS RIVER. SEE PULLOUT DETAIL ON TABULATION OF APPROACHES SHEET 5 OF 5.

Print Date: 1/24/2017	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF APPROACHES AND PULLOUTS</b>		Project No./Code	
File Name: 21255DES_Tab_Approaches01.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 Region 2 DW		No Revisions:				STA 0503-089	
Horiz. Scale: 1:1 Vert. Scale: N/A								Revised:		Designer: JAB Structure Numbers	
TRANSPORTATION						Void:		Detailer: LMB		21255	
AECOM Technical Services, Inc. 2315 Bridgeway Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001								Subset: TAB-APPROACH		Sheet Number 17	
								Subset Sheets: 1 of 5			

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**TABULATION OF APPROACHES AND PULLOUTS (2 OF 4)**

NAME	LOCATION	APPROX STATION	SIDE	PROP AREA	WIDTH (W)	DEPTH	202-00240	203-00000	304-06007	304-09000	403-34821	403-36721	COMMENTS
							REMOVAL OF ASPHALT MAT (PLANING)	UNCLASSIFIED EXCAVATION	AGGREGATE BASE COURSE (CLASS 6)	AGGREGATE BASE COURSE (SPECIAL)	HOT MIX ASPHALT (GRADING SX) (100) (PG 58-28)	HOT MIX ASPHALT (GRADING ST) (75) (PG 58-28)	
							SY	FT	IN	SY	CY	CY	
344LT	SH 9	344+75	LT										APPROACH FOR PRIVATE PROPERTY
	SH 9	360+00	RT	1070		SEE COMMENTS		357	178			353	PAVE PULLOUT FOR SNOW FLOW TURNAROUND. SEE ROADWAY DETAILS
365	SH 9	365+25	LT										APPROACH TO SAND GULCH ROAD
	SH 9	387+00	RT	240		1.0"				7			UNPAVED PULLOUT
	SH 9	401+30	RT	1182		1.0"				33			UNPAVED PULLOUT WITH MILLINGS
	SH 9	414+10	RT	286		1.0"				8			UNPAVED PULLOUT WITH MILLINGS
	SH 9	426+40	RT	161		1.0"				4			UNPAVED PULLOUT
	SH 9	438+50	LT	828		1.0"				23			UNPAVED PULLOUT
	SH 9	449+00	RT	114		SEE COMMENTS		38	19			38	PAVE PULLOUT FOR SNOW FLOW TURNAROUND. SEE ROADWAY DETAILS
	SH 9	450+00	LT	303		SEE COMMENTS		101	50			100	PAVE PULLOUT FOR SNOW FLOW TURNAROUND. SEE ROADWAY DETAILS
452	SH 9	452+50	RT	303	50	1.5"						25	APPROACH FOR HIGH PARK ROAD
	SH 9	466+80	RT	338		1.0"				9			UNPAVED PULLOUT
499	SH 9	499+30	RT	20	4	1.5"						2	APPROACH FOR PRIVATE PROPERTY
500	SH 9	500+50	LT										APPROACH FOR PRIVATE PROPERTY
503	SH 9	503+70	RT										APPROACH FOR PRIVATE PROPERTY
539	SH 9	539+70	RT	27	4	1.5"						2	APPROACH FOR PRIVATE PROPERTY
542	SH 9	542+50	LT										APPROACH FOR PRIVATE PROPERTY
	SH 9	570+40	RT	197	4	SEE COMMENTS		66	33			65	PAVE PULLOUT FOR SNOW FLOW TURNAROUND. SEE ROADWAY DETAILS
571	SH 9	571+60	LT	340	50	1.5"						28	APPROACH FOR TALLAHASSEE ROAD
	SH 9	591+60	RT	188		1.0"				5			UNPAVED PULLOUT
618	SH 9	618+30	LT	22	4	1.5"						2	APPROACH FOR PRIVATE PROPERTY
637	SH 9	637+00	RT										APPROACH FOR PRIVATE PROPERTY
654LT	SH 9	654+00	LT	22	4	1.5"						2	APPROACH FOR PRIVATE PROPERTY
654RT	SH 9	654+00	RT										APPROACH FOR PRIVATE PROPERTY
711	SH 9	711+00	LT										APPROACH FOR PRIVATE PROPERTY
	SH 9	713+50	LT	1452		1.0"				40			UNPAVED PULLOUT
752	SH 9	752+30	RT										APPROACH FOR PRIVATE PROPERTY
	SH 9	824+85	LT	271		1.0"				8			UNPAVED PULLOUT
	SH 9	836+80	RT	247		1.0"				7			UNPAVED PULLOUT
853LT	SH 9	853+30	LT	106	20	1.5"						9	APPROACH FOR ALPINE BLUFFS
853RT	SH 9	853+80	RT										APPROACH FOR PRIVATE PROPERTY
	SH 9	877+00	RT	419		1.0"				12			UNPAVED PULLOUT
CR275A	SH 9	918+05	RT	363	50	1.5"						30	APPROACH FOR CR 275A
	SH 9	953+75	LT	756		1.5"						62	OVERLAY PULLOUT
	SH 9	953+75	RT	344		1.0"				10			UNPAVED PULLOUT
	SH 9	960+00	LT	444		1.0"				12			UNPAVED PULLOUT
	US 50	3780+00	LT	110		1.0"				3			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3780+00	RT	248		1.0"				7			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
SH 9 APPROACH SUBTOTAL (2 OF 4)							0	562	280	178	0	718	
US 50 APPROACH SUBTOTAL (2 OF 4)							0	0	0	10	0	0	

**NOTES:**

- 1) WIDTHS ARE MEASURED FROM EOP AS SHOWN ON THE APPROACH DETAIL ON TABULATION OF APPROACHES SHEET 5 OF 5.
- 2) INSTALL AGGREGATE BASE COURSE (SPECIAL) TO 5' FROM EDGE OF PULLOUT FOR AREAS ALONG A WATERWAY SUCH AS THE ARKANSAS RIVER. SEE PULLOUT DETAIL ON TABULATION OF APPROACHES SHEET 5 OF 5.

Print Date: 1/24/2017	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF APPROACHES AND PULLOUTS</b>			Project No./Code	
File Name: 21255DES_Tab_Approaches02.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298		No Revisions:					STA 0503-089	
Horiz. Scale: 1:1 Vert. Scale: N/A						 DW		Revised:		Designer: JAB Structure Numbers		21255
TRANSPORTATION				 AECOM 2315 Bridgeway Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com				Void:		Detailer: LMB		Sheet Number 18
Subset: TAB-APPROACH											Subset Sheets: 2 of 5	


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### TABULATION OF APPROACHES AND PULLOUTS (3 OF 4)

NAME	LOCATION	APPROX STATION	SIDE	PROP AREA	WIDTH (W)	DEPTH	202-00240	203-00000	304-06007	304-09000	403-34821	403-36721	COMMENTS
							REMOVAL OF ASPHALT MAT (PLANING)	UNCLASSIFIED EXCAVATION	AGGREGATE BASE COURSE (CLASS 6)	AGGREGATE BASE COURSE (SPECIAL)	HOT MIX ASPHALT (GRADING SX) (100) (PG 58-28)	HOT MIX ASPHALT (GRADING ST) (75) (PG 58-28)	
				SY	FT	IN	SY	CY	CY	CY	TON	TON	
	US 50	3784+00	LT	182		1.0"				5			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3789+00	LT	56		1.0"				2			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
3809	US 50	3809+00	LT	20	4	2.0"	20			2	2		APPROACH TO SPIKEBUCK EXIT. REPLACE 4' OF EXISTING ASPHALT. PLACE 10' OF MILLINGS OUTSIDE OF APRON.
3817	US 50	3817+00	LT	29	4	2.0"	29			2	3		APPROACH TO SPIKEBUCK ENTRANCE. REPLACE 4' OF EXISTING ASPHALT. PLACE 10' OF MILLINGS OUTSIDE OF APRON.
	US 50	3840+00	RT	250		1.0"				7			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3850+00	LT	52		1.0"				1			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3860+00	LT	529	4	1.0"	22			15	2		PULLOUT WITH PAVED APRON. SEE ROADWAY DETAILS
	US 50	3872+00	LT	87		1.0"				2			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3884+00	LT	242		1.0"				7			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3893+00	LT	305		1.0"				8			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3896+00	RT	361		1.0"				10			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3903+00	RT	127		1.0"				4			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3904+00	LT	218		1.0"				6			UNPAVED PULLOUT WITH MILLINGS. PLACE ABC (SPECIAL)
	US 50	3936+00	LT	1621	16	SEE COMMENTS		810	540	40	535		SLOW VEHICLE PULLOUT. SEE ROADWAY DETAILS
	US 50	3970+00	RT	135		1.0"				4			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3984+00	LT	126		1.0"				4			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3993+50	LT	176		1.0"				5			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	3994+00	RT	247		1.0"				7			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	4008+00	LT	125		1.0"				3			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	4017+50	LT	294		1.0"				8			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	4020+00	RT	681		1.0"				19			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	4028+50	LT	145		1.0"				4			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	4033+00	RT	378		1.0"				10			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
CR157	US 50	4039+00	LT										APPROACH FOR CR 157. PROTECT EXISTING PAVEMENT
	US 50	4044+00	RT	1010		1.0"				28			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
4067	US 50	4067+00	RT	24	4	2.0"	24				3		APPROACH FOR PRIVATE PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
	US 50	4073+00	RT	867		2.0"	556				95		PARTIALLY PAVED PULLOUT. SEE ROADWAY DETAILS
4073	US 50	4073+50	LT	36	4	2.0"	36				4		APPROACH FOR PARKDALE RECREATION AREA. REPLACE 4' OF EXISTING PAVEMENT
	US 50	4085+00	LT	911		1.0"				25			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	4094+00	LT	722		1.0"				20			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
CR3	US 50	4109+00	RT										APPROACH FOR CR 3. PROTECT EXISTING PAVEMENT
4110	US 50	4110+00	LT	13	4	2.0"	13				1		APPROACH FOR PRIVATE PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4111	US 50	4111+00	RT										APPROACH FOR COMMERCIAL PROPERTY. PROTECT EXISTING CONCRETE
4119	US 50	4119+00	RT	69	4	2.0"	69				8		APPROACH FOR PRIVATE PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4120	US 50	4120+50	LT	88	20	2.0"	88				10		APPROACH FOR MULTIPLE PRIVATE PROPERTIES. REPLACE 20' OF EXISTING PAVEMENT
	US 50	4142+00	RT	411		1.0"				11			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
4145	US 50	4144+75	LT	40	4	2.0"					4		APPROACH FOR PRIVATE PROPERTY. PLACE 4' OF ASPHALT
4151	US 50	4151+00	RT	22	4	2.0"	22				2		APPROACH FOR PRIVATE PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
	US 50	4157+00	LT	292		1.0"				8			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
SH 9 APPROACH SUBTOTAL (3 OF 4)							0	0	0	0	0	0	
US 50 APPROACH SUBTOTAL (3 OF 4)							879	810	540	267	669	0	

**NOTES:**

- 1) WIDTHS ARE MEASURED FROM EOP AS SHOWN ON THE APPROACH DETAIL ON TABULATION OF APPROACHES SHEET 5 OF 5.
- 2) INSTALL AGGREGATE BASE COURSE (SPECIAL) TO 5' FROM EDGE OF PULLOUT FOR AREAS ALONG A WATERWAY SUCH AS THE ARKANSAS RIVER. SEE PULLOUT DETAIL ON TABULATION OF APPROACHES SHEET 5 OF 5.

Print Date: 1/24/2017	<b>Sheet Revisions</b>	<b>Colorado Department of Transportation</b>	<b>As Constructed</b>	<b>TABULATION OF APPROACHES AND PULLOUTS</b>	<b>Project No./Code</b>
File Name: 21255DES_Tab_Approaches03.dgn	Date:      Comments      Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	No Revisions:	Designer:      JAB Detailer:        LMB Subset:    TAB-APPROACH      Subset Sheets: 3 of 5	STA 0503-089
Horiz. Scale: 1:1      Vert. Scale: N/A			Revised:		21255
TRANSPORTATION <b>AECOM</b> AECOM Technical Services, Inc. 2315 Bridgeway Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001      www.aecom.com		DW	Void:	Sheet Number    19	

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### TABULATION OF APPROACHES AND PULLOUTS (4 OF 4)

NAME	LOCATION	APPROX STATION	SIDE	PROP AREA	WIDTH (W)	DEPTH	202-00240	203-00000	304-06007	304-09000	403-34821	403-36721	COMMENTS
							REMOVAL OF ASPHALT MAT (PLANING)	UNCLASSIFIED EXCAVATION	AGGREGATE BASE COURSE (CLASS 6)	AGGREGATE BASE COURSE (SPECIAL)	HOT MIX ASPHALT (GRADING SX) (100) (PG 58-28)	HOT MIX ASPHALT (GRADING ST) (75) (PG 58-28)	
							SY	CY	CY	CY	TON	TON	
	US 50	4163+50	LT	421		1.0"				12			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	4171+75	LT	392		1.0"				11			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
	US 50	4183+00	RT	284		1.0"				8			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
4197	US 50	4197+00	RT	24	4	2.0"	24				3		APPROACH FOR PRIVATE PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
	US 50	4201+00	LT	289		1.0"				8			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
SH9	US 50	4203+00	LT										JUNCTION OF SH 9 AND US 50. SEE TAB OF SURFACING MATERIALS
	US 50	4205+00	RT	321		1.0"				9			UNPAVED PULLOUT. PLACE ABC (SPECIAL)
4207RT	US 50	4207+00	RT	33	4	2.0"	33				4		APPROACH FOR COMMERCIAL PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4207LT	US 50	4207+70	LT	20	4	2.0"	20				2		APPROACH FOR COMMERCIAL PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4208	US 50	4208+50	RT	33	4	2.0"	33				4		APPROACH FOR COMMERCIAL PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4209	US 50	4209+00	LT	24	4	2.0"	24				3		APPROACH FOR COMMERCIAL PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4212	US 50	4212+00	LT	31	4	2.0"	31				3		APPROACH FOR COMMERCIAL PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
CR61	US 50	4212+00	RT										APPROACH FOR CR61. PROTECT EXISTING PAVEMENT
4217	US 50	4217+25	RT	27	4	2.0"	27				3		APPROACH FOR PRIVATE PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4222	US 50	4222+65	LT	20	4	2.0"	20				2		APPROACH FOR PRIVATE PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4223	US 50	4223+25	RT										APPROACH FOR PRIVATE PROPERTY. PROTECT EXISTING CONCRETE
4234	US 50	4234+00	RT	22	4	2.0"	22				2		APPROACH FOR COMMERCIAL PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4235	US 50	4235+00	RT	24	4	2.0"	24				3		APPROACH FOR COMMERCIAL PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4236	US 50	4236+50	RT	31	4	2.0"	31				3		APPROACH FOR COMMERCIAL PROPERTY. REPLACE 4' OF EXISTING PAVEMENT
4241	US 50	4241+00	LT	24	4	2.0"	24				3		APPROACH FOR MULTIPLE PRIVATE PROPERTIES. REPLACE 4' OF EXISTING PAVEMENT
CR364A	US 50	4241+00	RT	18	4	2.0"	18				2		APPROACH FOR CR 364A. REPLACE 4' OF EXISTING PAVEMENT.
SH 9 APPROACH SUBTOTAL (4 OF 4)							0	0	0	0	0	0	
US 50 APPROACH SUBTOTAL (4 OF 4)							331	0	0	48	37	0	

	202-00240	203-00000	304-06007	304-09000	403-34821	403-36721
	REMOVAL OF ASPHALT MAT (PLANING)	UNCLASSIFIED EXCAVATION	AGGREGATE BASE COURSE (CLASS 6)	AGGREGATE BASE COURSE (SPECIAL)	HOT MIX ASPHALT (GRADING SX) (100) (PG 58-28)	HOT MIX ASPHALT (GRADING ST) (75) (PG 58-28)
	SY	CY	CY	CY	TON	TON
SH 9 APPROACH SUBTOTAL (1 OF 4)		31	20	117		83
US 50 APPROACH SUBTOTAL (1 OF 4)						
SH 9 APPROACH SUBTOTAL (2 OF 4)		562	280	178		718
US 50 APPROACH SUBTOTAL (2 OF 4)				10		
SH 9 APPROACH SUBTOTAL (3 OF 4)						
US 50 APPROACH SUBTOTAL (3 OF 4)	879	810	540	267	669	
SH 9 APPROACH SUBTOTAL (4 OF 4)						
US 50 APPROACH SUBTOTAL (4 OF 4)	331			48	37	
SH 9 APPROACH SUBTOTAL	0	593	300	295	0	801
US 50 APPROACH SUBTOTAL	1,210	810	540	325	706	0
<b>PROJECT TOTAL</b>	*	<b>1,403</b>	<b>840</b>	<b>620</b>	*	*

\* CARRIED TO TABULATION OF SURFACING MATERIALS

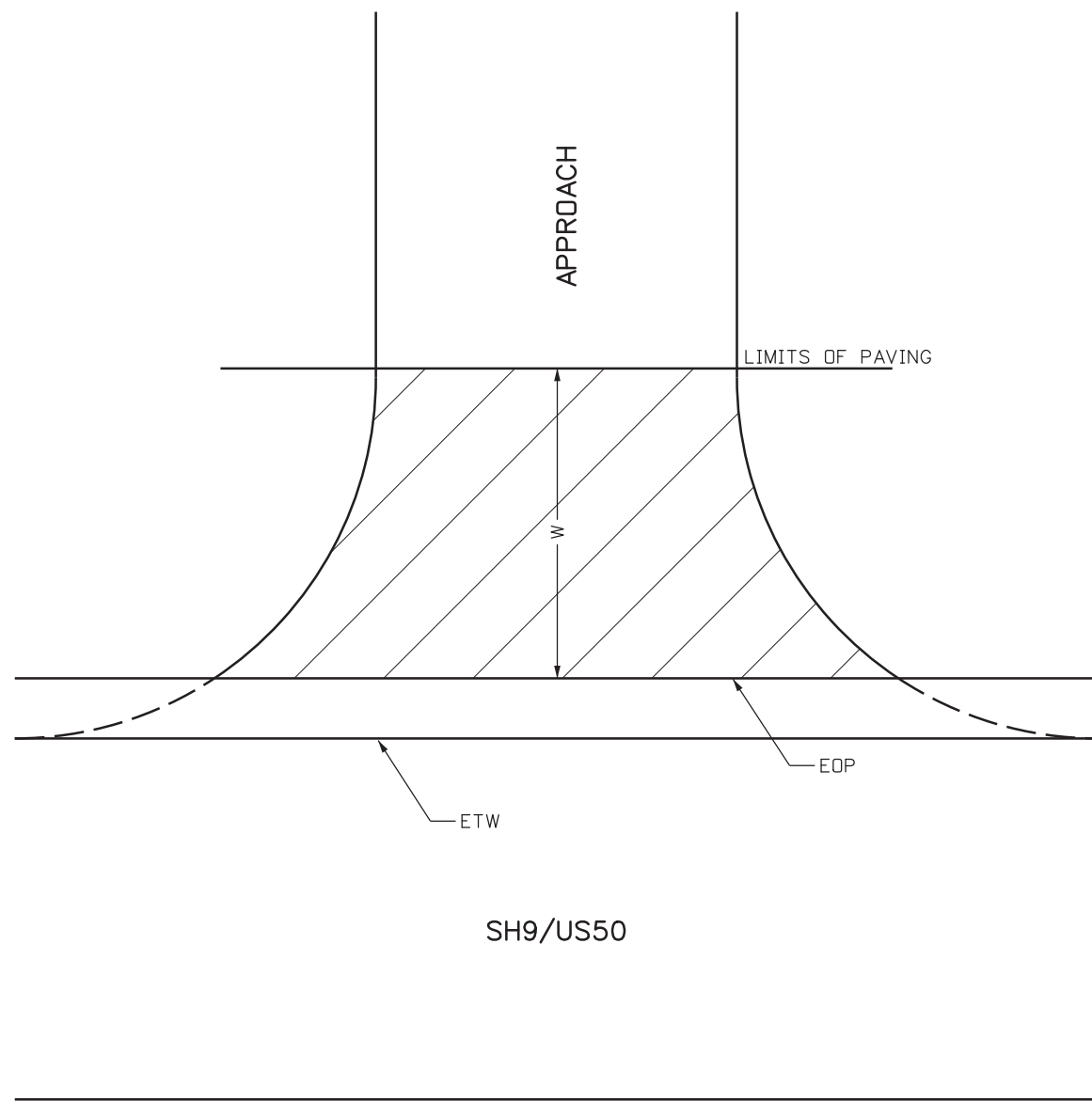
**NOTES:**

- 1) WIDTHS ARE MEASURED FROM EOP AS SHOWN ON THE APPROACH DETAIL ON TABULATION OF APPROACHES SHEET 5 OF 5.
- 2) INSTALL AGGREGATE BASE COURSE (SPECIAL) TO 5' FROM EDGE OF PULLOUT FOR AREAS ALONG A WATERWAY SUCH AS THE ARKANSAS RIVER. SEE PULLOUT DETAIL ON TABULATION OF APPROACHES SHEET 5 OF 5.

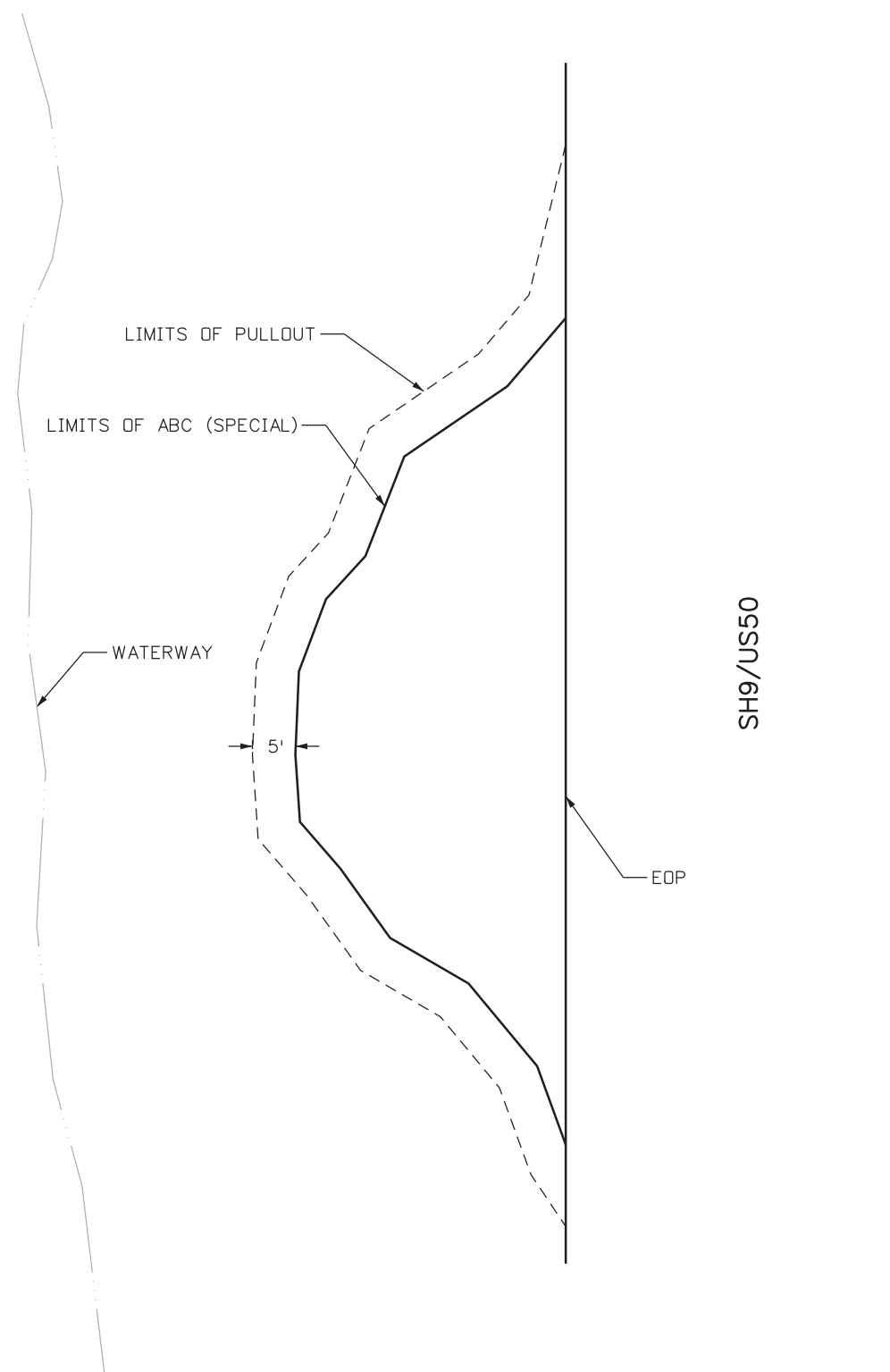
p:\617479-PWINT\ecomonline\local\AECOM\DS01\_NA\Documents\60505397-US50\_Royal Gorge West\_SH9.ctb North\900 Work\910 CAD\02 SHEETS\02\_Roadway\21255DES\_Tab\_Approaches04.dgn

Print Date: 1/24/2017 File Name: 21255DES_Tab_Approaches04.dgn Horiz. Scale: 1:1    Vert. Scale: N/A	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Date:	Comments	Init.										<b>Colorado Department of Transportation</b> 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF APPROACHES AND PULLOUTS</b> Designer: JAB    Structure Numbers Detailer: LMB Subset: TAB-APPROACH    Subset Sheets: 4 of 5	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number 20
Date:	Comments	Init.															

jason.bonini:312:29 PM: \\617479-PWINT.aecomonline.local\AECOM\_DS01\_NA\Documents\60505397-US50\_RoyalGorge\_West\_Shg\_jct\_North\900\_Work\910\_CAD\02\_SHEETS\02\_Roadway\21255DES\_Tab\_Approaches05.dgn



**APPROACH DETAIL**



**PULLOUT DETAIL**

Print Date: 12/17/2016 File Name: 21255DES_Tab_Approaches05.dgn Horiz. Scale: 1:1    Vert. Scale: N/A	<div style="font-size: 2em; font-weight: bold;">0000</div>	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Date:</th> <th style="width: 50%;">Comments</th> <th style="width: 30%;">Init.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Date:	Comments	Init.										<b>Colorado Department of Transportation</b>  1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF APPROACHES AND PULLOUTS</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Designer:</td> <td style="width: 10%;">JAB</td> <td style="width: 10%;">Structure</td> <td style="width: 10%;"></td> </tr> <tr> <td>Detailer:</td> <td>LMB</td> <td>Numbers</td> <td></td> </tr> <tr> <td>Subset:</td> <td>TAB-APPROACH</td> <td>Subset Sheets:</td> <td>5 of 5</td> </tr> </table>	Designer:	JAB	Structure		Detailer:	LMB	Numbers		Subset:	TAB-APPROACH	Subset Sheets:	5 of 5	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number 21
Date:	Comments	Init.																												
Designer:	JAB	Structure																												
Detailer:	LMB	Numbers																												
Subset:	TAB-APPROACH	Subset Sheets:	5 of 5																											

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TABULATION OF CULVERTS (1 OF 7)


CULVERT NO	LOCATION	APPROX STATION	SIDE	EXISTING CONDITION			202-04002	203-01510	612-00003	612-00043
				SIZE	NO OF PIPES	TYPE	CLEAN CULVERT	BACKHOE	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE III)
							EA	HOUR	EACH	EACH
C1	SH 9	03+77	MI	24"	1	CMP			2	
C2	SH 9	04+63	MI	24"	1	CMP			2	
C3	SH 9	13+83	MI	78"	1	CMP			2	
C3A	SH 9	26+46	RT	24"	1	CMP				
C4	SH 9	28+80	MI	72"	1	CMP			2	
C5	SH 9	34+36	MI	48"	1	CMP			2	
C6	SH 9	46+40	MI	24"	1	CMP	1		2	
C7	SH 9	46+60	LT	18"	1	CMP	1			
C8	SH 9	52+37	MI	24"	1	CMP			2	
C9	SH 9	56+90	MI	60"	1	CMP			2	
C10	SH 9	67+02	MI	24"	1	CMP			2	
C11	SH 9	76+74	MI	24"	1	CMP			2	
C12	SH 9	80+17	MI	48"	1	CMP			2	
C13	SH 9	81+87	MI	24"	1	CMP			2	
C13A	SH 9	83+50	RT	18"	1	CMP	1			
C14	SH 9	86+84	MI	24"	1	CMP		2	2	
C15	SH 9	91+89	MI	24"	1	CMP	1		2	
C16	SH 9	100+70	MI	24"	1	CMP			2	
C17	SH 9	108+04	MI	42"	1	CMP			2	
C18	SH 9	114+73	MI	48"	1	CMP			2	
C19	SH 9	123+20	RT	18"	1	CMP				
C20	SH 9	130+00	MI	66"	1	CMP			2	
C21	SH 9	134+30	RT	18"	1	CMP	1			
C22	SH 9	137+20	MI	24"	1	CMP			2	
C23	SH 9	140+35	MI	24"	1	CMP	1	2	2	
C24	SH 9	147+20	MI	48"	1	CMP			2	
C24A	SH 9	152+65	RT	18"	1	CMP	1			
C25	SH 9	155+80	MI	24"	1	CMP	1		2	
C26	SH 9	159+37	MI	24"	1	CMP			2	
C27	SH 9	159+37	RT	24"	1	CMP	1			
C28	SH 9	162+62	MI	24"	1	CMP			2	
C28A	SH 9	172+30	RT	18"	1	CMP	1			
C29	SH 9	178+80	MI	24"	1	CMP			2	
C30	SH 9	181+78	MI	24"	1	CMP			2	
C31	SH 9	185+12	MI	24"	1	CMP	1		2	
C32	SH 9	190+80	MI	24"	1	CMP			2	
C32A	SH 9	192+75	LT	18"	1	CMP	1			
C33	SH 9	197+77	MI	24"	1	CMP	1		2	
SH 9 CULVERT SUBTOTAL (1 OF 7)							13	4	58	0
US 50 CULVERT SUBTOTAL (1 OF 7)							0	0	0	0

TABULATION OF CULVERTS (2 OF 7)

CULVERT NO	LOCATION	APPROX STATION	SIDE	EXISTING CONDITION			202-04002	203-01510	612-00003	612-00043
				SIZE	NO OF PIPES	TYPE	CLEAN CULVERT	BACKHOE	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE III)
							EA	HOUR	EACH	EACH
C34	SH 9	202+70	MI	24"	1	CMP			2	
C35	SH 9	217+23	MI	24"	1	CMP		2	2	
C36	SH 9	220+32	MI	24"	1	CMP			2	
C37	SH 9	221+75	RT	18"	1	CMP	1			
C38	SH 9	230+30	MI	24"	1	CMP			2	
C39	SH 9	237+44	MI	24"	1	CMP			2	
C40	SH 9	238+46	RT	18"	1	CMP	1			
C41	SH 9	241+76	MI	24"	1	CMP			2	
C42	SH 9	244+00	RT	24"	1	CMP				
C43	SH 9	246+52	MI	24"	1	CMP			2	
C44	SH 9	252+44	MI	36"	1	CMP			2	
C45	SH 9	257+18	MI	24"	1	CMP	1		2	
C46	SH 9	263+37	MI	24"	1	CMP			2	
C47	SH 9	274+98	MI	48"	1	CMP			2	
C48	SH 9	284+60	MI	24"	1	CMP			2	
C49	SH 9	288+05	RT	24"	1	CMP	1			
C50	SH 9	291+64	MI	84"	1	CMP			2	
C51	SH 9	294+20	MI	24"	1	CMP			2	
C52	SH 9	308+82	MI	24"	1	CMP	1		2	
C53	SH 9	319+23	MI	36"	1	CMP	1		2	
C53A	SH 9	320+60	LT	24"	1	CMP				
C54	SH 9	332+66	MI	24"	1	CMP	1		2	
C55	SH 9	343+98	MI	48"	1	CMP	1		2	
C56	SH 9	344+79	LT	18"	1	CMP	1			
C57	SH 9	351+07	MI	24"	1	CMP			2	
C58	SH 9	357+64	MI	24"	1	CMP			2	
C59	SH 9	362+53	MI	24"	1	CMP			2	
C60	SH 9	366+30	MI	4' x 11'	1	CBC			2	
C61	SH 9	366+97	LT	24"	1	CMP	1			
C62	SH 9	386+10	MI	36"	1	CMP			2	
C63	SH 9	391+91	MI	18"	1	CMP	1		2	
C64	SH 9	396+30	MI	36"	1	CMP			2	
C65	SH 9	408+72	MI	6' x 6'	1	CBC			2	
C66	SH 9	412+93	MI	24"	1	CMP	1		2	
C67	SH 9	417+89	MI	24"	1	CMP			2	
C68	SH 9	420+86	MI	24"	1	CMP			2	
C69	SH 9	428+73	MI	24"	1	CMP			2	
C70	SH 9	434+01	MI	24"	1	CMP	1		2	
SH 9 CULVERT SUBTOTAL (2 OF 7)							13	2	62	0
US 50 CULVERT SUBTOTAL (2 OF 7)							0	0	0	0

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 Colorado Springs, CO 80906  
 Phone: 719-634-2323    FAX: 719-227-3298

Region 2    DW

As Constructed

No Revisions:

Revised:

Void:

TABULATION OF CULVERTS

Designer: JAB    Structure Numbers:   

Detailer: LMB   

Subset: TAB-CULVERT    Subset Sheets: 1 of 4

Project No./Code

STA 0503-089

21255

Sheet Number 22




TABULATION OF CULVERTS (3 OF 7)

CULVERT NO	LOCATION	APPROX STATION	SIDE	EXISTING CONDITION			202-04002	203-01510	612-00003	612-00043	
				SIZE	NO OF PIPES	TYPE	CLEAN CULVERT	BACKHOE	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE III)	
							EA	HOUR	EACH	EACH	
C71	SH 9	443+77	MI	24"	1	CMP			2		
C72	SH 9	447+77	MI	24"	1	CMP			2		
C73	SH 9	456+04	MI	24"	1	CMP			2		
C74	SH 9	461+56	MI	24"	1	CMP			2		
C75	SH 9	465+30	MI	24"	1	CMP			2		
C76	SH 9	471+68	MI	24"	1	CMP	1	2	2		
C77	SH 9	476+77	MI	7' x 6'	1	CBC			2		
C78	SH 9	482+70	MI	24"	1	CMP			2		
C79	SH 9	488+82	MI	24"	1	CMP			2		
C80	SH 9	490+48	MI	24"	1	CMP	1		2		
C81	SH 9	494+35	MI	24"	1	CMP	1		2		
C82	SH 9	495+91	RT	10' x 17'	1	CBC					
C83	SH 9	498+09	MI	5' x 6'	1	CBC			2		
C84	SH 9	500+42	LT	24"	1	CMP	1				
C85	SH 9	509+86	MI	24"	1	CMP			2		
C86	SH 9	520+88	MI	24"	1	CMP			2		
C87	SH 9	525+94	MI	24"	1	CMP	1		2		
C88	SH 9	527+66	MI	24"	1	CMP	1		2		
C89	SH 9	532+18	MI	24"	1	CMP			2		
C90	SH 9	536+53	MI	24"	1	CMP			2		
C90A	SH 9	542+50	LT	18"	1	CMP					
C91	SH 9	543+28	MI	7' x 6'	1	CBC			2		
C92	SH 9	552+10	MI	24"	1	CMP			2		
C93	SH 9	555+55	MI	24"	1	CMP			2		
C94	SH 9	558+30	MI	24"	1	CMP			2		
C95	SH 9	563+50	MI	24"	1	CMP			2		
C96	SH 9	572+39	MI	8' x 12'	1	CBC			2		
C97	SH 9	585+35	MI	24"	1	CMP			2		
C98	SH 9	588+91	MI	30"	1	CMP	1		2		
C99	SH 9	605+69	MI	24"	1	CMP			2		
C100	SH 9	610+62	MI	24"	1	CMP	1	2	2		
C100A	SH 9	618+30	LT	18"	1	CMP	1				
C101	SH 9	619+65	MI	24"	1	CMP	1		2		
C102	SH 9	625+64	MI	24"	1	CMP	1		2		
C103	SH 9	636+31	MI	72"	3	CMP			2		
C104	SH 9	637+03	RT	18"	1	CMP	1				
C105	SH 9	645+07	MI	24"	1	CMP	1		2		
C106	SH 9	648+60	MI	24"	1	CMP	1		2		
SH 9 CULVERT SUBTOTAL (3 OF 7)							14	4	66	0	
US 50 CULVERT SUBTOTAL (3 OF 7)							0	0	0	0	

TABULATION OF CULVERTS (4 OF 7)

CULVERT NO	LOCATION	APPROX STATION	SIDE	EXISTING CONDITION			202-04002	203-01510	612-00003	612-00043	
				SIZE	NO OF PIPES	TYPE	CLEAN CULVERT	BACKHOE	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE III)	
							EA	HOUR	EACH	EACH	
C107	SH 9	653+27	MI	48"	3	CMP			2		
C108	SH 9	654+06	RT	24"	1	CMP		2			
C109	SH 9	658+59	MI	24"	1	CMP	1		2		
C110	SH 9	663+61	MI	36"	1	CMP			2		
C111	SH 9	673+35	MI	36"	1	CMP			2		
C112	SH 9	680+80	MI	36"	1	CMP	1		2		
C113	SH 9	689+66	MI	30"	1	CMP			2		
C114	SH 9	695+07	MI	48"	2	CMP	NO WORK		2		
C115	SH 9	696+59	MI	24"	1	CMP	1		2		
C116	SH 9	698+84	MI	60"	2	CMP			2		
C117	SH 9	702+58	MI	24"	1	CMP			2		
C118	SH 9	709+14	MI	84"	2	CMP			2		
C119	SH 9	731+44	MI	18"	1	CMP	1		2		
C120	SH 9	738+03	MI	12"	1	CMP	1		2		
C121	SH 9	750+60	MI	36"	1	CMP			2		
C122	SH 9	763+79	MI	42"	1	CMP			2		
C123	SH 9	763+89	MI	24"	1	CMP			2		
C124	SH 9	771+25	MI	18"	1	CMP			2		
C125	SH 9	775+42	MI	84"	1	CMP			2		
C126	SH 9	782+48	MI	24"	1	CMP	1		2		
C127	SH 9	784+94	MI	84"	1	CMP			2		
C128	SH 9	802+81	MI	42"	1	CMP			2		
C129	SH 9	815+11	MI	18"	1	CMP			2		
C130	SH 9	825+67	MI	48"	1	CMP			2		
C131	SH 9	837+66	MI	84"	2	CMP			2		
C132	SH 9	853+65	MI	24"	1	CMP			2		
C133	SH 9	861+13	MI	24"	1	CMP			2		
C134	SH 9	871+87	MI	24"	1	CMP			2		
C135	SH 9	888+41	MI	24"	1	CMP			2		
C136	SH 9	892+98	MI	24"	1	CMP			2		
C137	SH 9	897+84	MI	24"	1	CMP			2		
C138	SH 9	900+18	MI	30"	1	CMP			2		
C139	SH 9	912+13	MI	24"	1	CMP			2		
C140	SH 9	915+03	MI	24"	1	CMP			2		
C141	SH 9	917+10	MI	30"	1	CMP			2		
C142	SH 9	920+86	MI	24"	1	CMP	1		2		
C143	SH 9	931+50	MI	24"	1	CMP			2		
C144	SH 9	941+53	MI	24"	1	CMP	1		2		
SH 9 CULVERT SUBTOTAL (4 OF 7)							8	2	74	0	
US 50 CULVERT SUBTOTAL (4 OF 7)							0	0	0	0	

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 Colorado Springs, CO 80906  
 Phone: 719-634-2323      FAX: 719-227-3298  
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 Void:  
 TABULATION OF CULVERTS  
 Designer: JAB      Structure Numbers  
 Detailer: LMB  
 Subset: TAB-CULVERT      Subset Sheets: 2 of 4

Project No./Code  
 STA 0503-089  
 21255  
 Sheet Number 23


TABULATION OF CULVERTS (5 OF 7)

CULVERT NO	LOCATION	APPROX STATION	SIDE	EXISTING CONDITION			202-04002	203-01510	612-00003	612-00043
				SIZE	NO OF PIPES	TYPE	CLEAN CULVERT	BACKHOE	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE III)
							EA	HOUR	EACH	EACH
C145	SH 9	958+66	MI	24"	1	CMP	1		2	
C146	SH 9	962+70	MI	24"	1	CMP			2	
C148	SH 9	969+23	MI	24"	1	CMP			2	
C282	US 50	3792+20	MI	36"	1	CMP				2
C281	US 50	3795+90	MI	24"	1	CMP				2
C280	US 50	3798+85	MI	5' x 6'	1	CBC				2
C279	US 50	3802+85	MI	24"	1	CMP				2
C278	US 50	3807+65	MI	7' x 6'	1	CBC				2
C277	US 50	3810+40	MI	24"	1	CMP				2
C276	US 50	3813+10	MI	24"	1	CMP				2
C275	US 50	3816+00	MI	36"	1	CMP	1			2
C274	US 50	3817+70	MI	24"	1	CMP	1			2
C273	US 50	3822+15	MI	24"	1	CMP				2
C272	US 50	3826+45	MI	7' x 10'	1	CBC				2
C271	US 50	3843+40	MI	24"	1	CMP				2
C270	US 50	3847+90	MI	42"	1	CMP				2
C269	US 50	3851+55	MI	48"	1	CMP				2
C268	US 50	3853+25	MI	24"	1	CMP				2
C267	US 50	3857+00	MI	24"	1	CMP				2
C266	US 50	3861+90	MI	5' x 6'	1	CBC				2
C265	US 50	3864+90	MI	24"	1	CMP				2
C264	US 50	3873+05	MI	24"	1	CMP				2
C263	US 50	3877+05	MI	36"	1	CMP				2
C262	US 50	3884+81	MI	36"	1	CMP				2
C261	US 50	3888+60	MI	24"	1	CMP				2
C260	US 50	3892+70	MI	24"	1	CMP				2
C259	US 50	3896+85	MI	30"	1	CMP				2
C258	US 50	3903+80	MI	36"	1	CMP				2
C257	US 50	3910+00	MI	24"	1	CMP				2
C256	US 50	3914+40	MI	24"	1	CMP				2
C255	US 50	3916+30	MI	36"	1	CMP				2
C254	US 50	3922+85	MI	24"	1	CMP				2
C253	US 50	3927+10	MI	36"	1	CMP				2
C252	US 50	3929+10	MI	36"	1	CMP				2
C251	US 50	3935+90	MI	36"	1	CMP				2
C250	US 50	3937+25	MI	36"	1	CMP				2
C249	US 50	3944+70	MI	7' x 6'	1	CBC				2
SH 9 CULVERT SUBTOTAL (5 OF 7)							1	0	6	0
US 50 CULVERT SUBTOTAL (5 OF 7)							2	0	0	68

TABULATION OF CULVERTS (6 OF 7)

CULVERT NO	LOCATION	APPROX STATION	SIDE	EXISTING CONDITION			202-04002	203-01510	612-00003	612-00043
				SIZE	NO OF PIPES	TYPE	CLEAN CULVERT	BACKHOE	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE III)
							EA	HOUR	EACH	EACH
C248	US 50	3948+20	MI	36"	1	CMP				2
C247	US 50	3959+00	MI	36"	1	CMP				2
C246	US 50	3963+40	MI	24"	1	CMP				2
C245	US 50	3970+20	MI	48"	1	CMP				2
C244	US 50	3975+80	MI	36"	1	CMP				2
C243	US 50	3977+50	MI	24"	1	CMP				2
C242	US 50	3980+65	MI	24"	1	CMP				2
C241	US 50	3983+95	MI	60"	1	CMP				2
C240	US 50	3987+85	MI	36"	1	CMP				2
C239	US 50	3990+85	MI	24"	1	CMP				2
C238	US 50	3995+60	MI	24"	1	CMP				2
C237	US 50	4001+30	MI	36"	1	CMP				2
C236	US 50	4003+30	MI	36"	1	CMP				2
C235	US 50	4008+85	MI	36"	1	CMP				2
C234	US 50	4011+80	MI	24"	1	CMP				2
C233	US 50	4018+75	MI	36"	1	CMP				2
C232	US 50	4023+10	MI	24"	1	CMP				2
C231	US 50	4029+40	MI	24"	1	CMP	1			2
C230	US 50	4035+20	MI	36"	1	CMP				2
C229	US 50	4037+80	MI	24"	1	CMP				2
C228	US 50	4042+40	MI	30"	1	CMP				2
C227	US 50	4065+85	MI	7' x 6'	1	CBC				2
C226	US 50	4068+50	MI	7' x 8'	1	CBC				2
C225	US 50	4079+70	MI	72"	1	CMP				2
C201	US 50	4111+00	RT	18"	1	CMP	1			
C224	US 50	4120+80	LT	24"	1	CMP				
C223	US 50	4125+25	MI	36"	1	CMP				2
C222	US 50	4127+65	MI	24"	1	CMP				2
C221	US 50	4132+00	MI	48"	2	CMP				2
C220	US 50	4139+40	MI	24"	1	CMP				2
C219	US 50	4146+95	MI	36"	1	CMP				2
C218	US 50	4149+85	MI	48"	1	CMP				2
C217A	US 50	4153+90	MI	48"	1	CMP				2
C217	US 50	4155+60	MI	24"	1	CMP				2
C216A	US 50	4159+30	MI	24"	1	CMP			2	2
C216	US 50	4166+25	MI	N/A	1	CMP				2
C215	US 50	4174+60	MI	24"	1	CMP				2
SH 9 CULVERT SUBTOTAL (6 OF 7)							0	0	0	0
US 50 CULVERT SUBTOTAL (6 OF 7)							2	2	0	70

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 TRANSPORTATION  
 AECOM Technical Services, Inc.  
 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920  
 T 719.531.0001      www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  
  
 Region 2  
 1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323      FAX: 719-227-3298  
 DW

As Constructed	TABULATION OF CULVERTS	
No Revisions:	Designer: JAB	Structure Numbers
Revised:	Detailer: LMB	Subset Sheets: 3 of 4
Void:	Subset: TAB-CULVERT	

Project No./Code  
 STA 0503-089  
 21255  
 Sheet Number 24



### TABULATION OF CULVERTS (7 OF 7)

CULVERT NO	LOCATION	APPROX STATION	SIDE	EXISTING CONITION			202-04002	203-01510	612-00003	612-00043
				SIZE	NO OF PIPES	TYPE	CLEAN CULVERT	BACKHOE	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE III)
							EA	HOUR	EACH	EACH
C214	US 50	4184+50	MI	24"	1	CMP				2
C213	US 50	4187+80	MI	24"	1	CMP				2
C202	US 50	4197+00	RT	18"	1	CMP	1			
C203	US 50	4207+00	RT	18"	1	CMP	1			
C212	US 50	4215+50	MI	24"	1	CMP		6		2
C204	US 50	4223+25	RT	18"	1	CMP	1			
C211	US 50	4225+00	MI	24"	1	CMP	1			2
C210	US 50	4232+70	MI	24"	1	CMP	1			2
C209	US 50	4238+30	MI	24"	1	CMP	1			2
C208	US 50	4241+35	MI	18"	1	CMP	1			2
C207	US 50	4249+95	MI	24"	1	CMP				2
C206	US 50	4256+25	MI	36"	1	CMP				2
C205	US 50	4259+40	MI	24"	1	CMP	1			2
SH 9 CULVERT SUBTOTAL (7 OF 7)							0	0	0	0
US 50 CULVERT SUBTOTAL (7 OF 7)							8	6	0	20

	202-04002	203-01510	612-00003	612-00043
	CLEAN CULVERT	BACKHOE	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE III)
	EA	HOUR	EACH	EACH
SH 9 CULVERT SUBTOTAL (1 OF 7)	13	4	58	
US 50 CULVERT SUBTOTAL (1 OF 7)				
SH 9 CULVERT SUBTOTAL (2 OF 7)	13	2	62	
US 50 CULVERT SUBTOTAL (2 OF 7)				
SH 9 CULVERT SUBTOTAL (3 OF 7)	14	4	66	
US 50 CULVERT SUBTOTAL (3 OF 7)				
SH 9 CULVERT SUBTOTAL (4 OF 7)	8	2	74	
US 50 CULVERT SUBTOTAL (4 OF 7)				
SH 9 CULVERT SUBTOTAL (5 OF 7)	1		6	
US 50 CULVERT SUBTOTAL (5 OF 7)	2			68
SH 9 CULVERT SUBTOTAL (6 OF 7)				
US 50 CULVERT SUBTOTAL (6 OF 7)	2	2		70
SH 9 CULVERT SUBTOTAL (7 OF 7)				
US 50 CULVERT SUBTOTAL (7 OF 7)	8	6		20
SH 9 CULVERT SUBTOTAL	49	12	266	0
US 50 CULVERT SUBTOTAL	12	8	0	158
<b>PROJECT TOTAL</b>	<b>61</b>	<b>20</b>	<b>*</b>	<b>*</b>

\* CARRIED TO TABULATION OF DELINEATORS

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Print Date: 12/17/2016 File Name: 21255DES_Tab_Culverts04.dgn Horiz. Scale: 1:1      Vert. Scale: N/A	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Date:	Comments	Init.										<b>Colorado Department of Transportation</b> 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b> DW	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF CULVERTS</b> Designer: JAB    Structure Numbers Detailer: LMB Subset: TAB-CULVERT    Subset Sheets: 4 of 4	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number 25
Date:	Comments	Init.															



TABULATION OF STRIPING (1 OF 3)

SH 9									
APPROX STATION	TO APPROX STATION	DIRECTION	APPROX LENGTH OF EXISTING					627-00009	
			YELLOW			WHITE		MODIFIED EPOXY PAVEMENT MARKING (INLAID)	
			4" SOLID DOUBLE (1 GAL/120 LF) CENTER	4" SKIP (1 GAL/960 LF) CENTER	4" SOLID /SKIP (1 GAL/192 LF) CENTER	4" SOLID (1 GAL/240 LF) EDGE	8" SOLID (1 GAL/120 LF) CHANNELIZING		
			LF			LF		YELLOW	WHITE
					GAL				
00+10	0+40	NB	30			65	125	0.3	1.3
00+40	15+50	NB	1510			1510		12.6	6.3
15+95	23+20	NB	725			725		6.0	3.0
23+20	37+50	NB			1430	1430		7.5	6.0
37+50	38+05	NB				55			0.2
38+05	45+80	NB			775	775		4.0	3.2
45+80	59+50	NB	1370			1370		11.4	5.7
59+50	60+25	NB				75			0.3
60+25	106+50	NB	4625			4625		38.5	19.3
106+50	117+50	NB			1100	1100		5.7	4.6
117+50	162+00	NB		4450		4450		4.6	18.5
162+00	173+00	NB			1100	1100		5.7	4.6
173+00	192+70	NB	1970			1970		16.4	8.2
192+70	193+40	NB				70			0.3
193+40	209+60	NB	1620			1620		13.5	6.8
209+60	218+35	NB			875	875		4.6	3.7
218+35	229+80	NB		1145		1145		1.2	4.8
229+80	248+00	NB			1820	1820		9.5	7.6
248+00	253+85	NB		585		585		0.6	2.4
253+85	255+60	NB			175	175		0.9	0.7
255+60	256+20	NB				60			0.3
256+20	263+00	NB			680	680		3.5	2.8
263+00	285+50	NB	2250			2250		18.8	9.4
285+50	297+15	NB			1165	1165		6.1	4.9
297+15	331+50	NB		3435		3435		3.6	14.3
331+50	353+70	NB			2220	2220		11.6	9.3
353+70	366+40	NB		1270		1270		1.3	5.3
366+40	377+00	NB			1060	1060		5.5	4.4
377+00	383+35	NB	635			635		5.3	2.7
383+35	394+00	NB			1065	1065		5.6	4.4
SH 9 STRIPING SUBTOTAL (1 OF 3)								204.3	165.3

US 50									
APPROX STATION	TO APPROX STATION	DIRECTION	APPROX LENGTH OF EXISTING					627-00009	
			YELLOW			WHITE		MODIFIED EPOXY PAVEMENT MARKING (INLAID)	
			4" SOLID DOUBLE (1 GAL/ 120 LF) CENTER	4" SKIP (1 GAL/960 LF) CENTER	4" SOLID /SKIP (1 GAL/192 LF) CENTER	4" SOLID (1 GAL/240 LF) EDGE	4" SKIP (1 GAL/960 LF) LANE		
			LF			LF		YELLOW	WHITE
					GAL				
3780+00	3800+00	WB	2000			2000		16.7	8.3
3800+00	3809+10	WB	910			910	910	7.6	4.7
3809+10	3809+70	WB	60			60		0.5	0.1
3809+70	3816+75	WB	705			705	705	5.9	3.7
3816+75	3817+40	WB					65		0.1
3817+40	3822+20	WB	480			480	480	4.0	6.5
3822+20	3825+25	WB	305			305	305	2.5	2.0
3825+25	3837+70	WB	1245			1245	1245	10.4	6.5
3837+70	3846+30	WB			860	860	860	4.5	4.5
3846+30	3856+50	WB	1020			1020	1020	8.5	5.3
3856+50	3865+70	WB			920	920	920	4.8	4.8
3865+70	3881+10	WB	1540			1540	1540	12.8	8.0
3881+10	3887+50	WB	640			640		5.3	2.7
3887+50	3908+50	WB			2100	2100		10.9	8.8
3908+50	3937+00	WB	2850			2850		23.8	11.9
3937+00	3944+50	WB			750	750		3.9	3.1
3944+50	3948+40	WB		390		390		0.4	1.6
3948+40	3953+50	WB			510	510		2.7	2.1
3953+50	3974+70	WB	2120			2120		17.7	8.8
3974+70	3993+00	WB			1830	1830		9.5	7.6
3993+00	4029+00	WB	3600			3600		30.0	15.0
4029+00	4038+00	WB			900	900		4.7	3.8
4038+00	4040+00	WB	200					1.7	
4040+00	4061+00	WB	2100			2100		17.5	8.8
4061+00	4065+00	WB	400			400	400	3.3	2.2
4065+00	4073+20	WB	820			820	820	6.8	10.3
4073+60	4078+75	WB	515			515	515	4.3	6.4
4078+75	4080+30	WB	155			155	155	1.3	0.9
4080+30	4110+00	WB	2997			2997		25.0	12.5
4110+00	4111+00	WB				100			0.4
US 50 STRIPING SUBTOTAL (1 OF 3)								247.0	161.4

NOTES:

- THE APPLICATION RATES SHOWN ABOVE IN UNITS OF GAL/LF ARE FOR ESTIMATING PURPOSES ONLY. THESE RATES INCLUDE THE LENGTH OF GAPS BETWEEN SKIPS OR DOTS. SEE THE PROJECT SPECIFICATIONS FOR ACTUAL APPLICATION RATE REQUIREMENTS.
- THE CONTRACTOR SHALL CONTACT THE CDOT TRAFFIC UNIT AT LEAST TWO WEEKS PRIOR TO LAYING OUT FINAL CENTERLINE STRIPES.

Print Date: 1/24/2017		<b>Sheet Revisions</b>				Colorado Department of Transportation 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 Region 2 DW	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF STRIPING</b>			Project No./Code STA 0503-089		
File Name: 21255DES_Tab_Stripe01.dgn		Date:	Comments	Init.							Designer: JAB Detailer: LMB	Structure Numbers	21255
Horiz. Scale: 1:1 Vert. Scale: N/A											Subset: TAB-STRIPE	Subset Sheets: 1 of 3	Sheet Number 26

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TABULATION OF STRIPING (2 OF 3)

SH 9										
APPROX STATION	TO APPROX STATION	DIRECTION	APPROX LENGTH OF EXISTING					627-00009		
			YELLOW			WHITE		MODIFIED EPOXY PAVEMENT MARKING (INLAID)		
			4" SOLID DOUBLE (1 GAL/120 LF) CENTER	4" SKIP (1 GAL/960 LF) CENTER	4" SOLID /SKIP (1 GAL/192 LF) CENTER	4" SOLID (1 GAL/240 LF) EDGE	8" SOLID (1 GAL/120 LF) CHANNELIZING			
			LF			LF		YELLOW	WHITE	
					GAL					
394+00	411+80	NB		1780		1780		1.9	7.4	
411+80	420+90	NB			910	910		4.7	3.8	
420+90	452+20	NB	3130			3130		26.1	13.0	
453+20	460+70	NB	750			750		6.3	3.1	
460+70	471+20	NB			1050	1050		5.5	4.4	
471+20	485+40	NB		1420		1420		1.5	5.9	
485+40	493+50	NB			810	810		4.2	3.4	
493+50	525+15	NB	3165			3165		26.4	13.2	
525+15	549+45	NB			2430	2430		12.7	10.1	
549+45	558+30	NB		885		885		0.9	3.7	
558+30	565+00	NB			670	670		3.5	2.8	
565+00	571+00	NB	600			600		5.0	2.5	
571+00	571+75	NB				75			0.3	
571+75	591+25	NB			1950	1950		10.2	8.1	
591+25	608+50	NB	1725			1725		14.4	7.2	
608+50	616+35	NB			785	785		4.1	3.3	
616+35	621+70	NB		535		535		0.6	2.2	
621+70	631+30	NB			960	960		5.0	4.0	
631+30	636+80	NB	550			550		4.6	2.3	
636+80	645+70	NB			890	890		4.6	3.7	
645+70	656+90	NB		1120		1120		1.2	4.7	
656+90	664+00	NB			710	710		3.7	3.0	
664+00	675+50	NB	1150			1150		9.6	4.8	
675+50	685+20	NB			970	970		5.1	4.0	
685+20	696+00	NB		1080		1080		1.1	4.5	
696+00	707+00	NB			1100	1100		5.7	4.6	
707+00	727+60	NB	2060			2060		17.2	8.6	
727+60	736+50	NB			890	890		4.6	3.7	
736+50	760+00	NB		2350		2350		2.5	9.8	
760+00	765+80	NB			580	580		3.0	2.4	
SH 9 STRIPING SUBTOTAL (2 OF 3)							195.9	154.5		

US 50										
APPROX STATION	TO APPROX STATION	DIRECTION	APPROX LENGTH OF EXISTING					627-00009		
			YELLOW			WHITE		MODIFIED EPOXY PAVEMENT MARKING (INLAID)		
			4" SOLID DOUBLE (1 GAL/ 120 LF) CENTER	4" SKIP (1 GAL/960 LF) CENTER	4" SOLID /SKIP (1 GAL/192 LF) CENTER	4" SOLID (1 GAL/240 LF) EDGE	4" SKIP (1 GAL/960 LF) LANE			4" BROKEN (1 GAL/360 LF) DOTTED
			LF			LF		YELLOW	WHITE	
					GAL					
4111+00	4152+50	WB			4150	4150		21.6	17.3	
4152+50	4201+80	WB	4930			4930		41.1	20.5	
4201+80	4202+60	WB	80			80		0.7	1.0	
4203+00	4203+70	WB	70					0.6	0.6	
4203+70	4207+25	WB	355			355		3.0	4.4	
4207+25	4207+90	WB	65					0.5	0.5	
4207+90	4208+55	WB	65			65		0.5	0.8	
4208+55	4208+90	WB	35					0.3	0.3	
4208+90	4209+30	WB	40				40	0.3	0.1	
4209+30	4211+60	WB	230			230		1.9	1.3	
4211+60	4212+30	WB	70					0.6		
4212+30	4219+20	WB			690	690		3.6	2.9	
4219+20	4238+60	WB		1940		1940		2.0	8.1	
4238+60	4250+00	WB			1140	1140		5.9	4.8	
4250+00	4260+35	WB	1035			1035		8.6	4.3	
3780+00	3804+00	EB				2400			10.0	
3804+00	3809+90	EB	590			590		4.9	2.5	
3809+90	3811+15	EB	125			125		1.0	0.7	
3811+15	3816+75	EB	560			560		4.7	7.0	
3816+75	3817+55	EB				80			0.3	
3817+55	3822+00	EB	445			445		3.7	1.9	
3822+00	4059+00	EB				23700			98.8	
4059+00	4065+00	EB	600			600		5.0	2.5	
4065+00	4068+20	EB	320			320		2.7	1.8	
4068+20	4073+25	EB				505			6.3	
4073+25	4080+00	EB	675			675		5.6	2.8	
4080+00	4110+10	EB				3010			12.5	
4111+10	4183+91	EB				7281	7281		37.9	
4183+91	4190+55	EB				664			2.8	
4190+55	4199+85	EB	930			930		7.8	3.9	
US 50 STRIPING SUBTOTAL (2 OF 3)							126.6	258.6		

NOTES:

- THE APPLICATION RATES SHOWN ABOVE IN UNITS OF GAL/LF ARE FOR ESTIMATING PURPOSES ONLY. THESE RATES INCLUDE THE LENGTH OF GAPS BETWEEN SKIPS OR DOTS. SEE THE PROJECT SPECIFICATIONS FOR ACTUAL APPLICATION RATE REQUIREMENTS.
- THE CONTRACTOR SHALL CONTACT THE CDOT TRAFFIC UNIT AT LEAST TWO WEEKS PRIOR TO LAYING OUT FINAL CENTERLINE STRIPES.

Print Date: 1/24/2017		Sheet Revisions				As Constructed No Revisions:  Revised:  Void:	TABULATION OF STRIPING			Project No./Code STA 0503-089  21255  Sheet Number 27
File Name: 21255DES_Tab_Stripe02.dgn		Date:	Comments	Init.			Designer: JAB	Structure Numbers		
Horiz. Scale: 1:1    Vert. Scale: N/A							Detailer: LMB	Subset Sheets: 2 of 3		
TRANSPORTATION AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001    www.aecom.com		Colorado Department of Transportation 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 Region 2    DW			Subset: TAB-STRIPE					

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### TABULATION OF STRIPING (3 OF 3)

SH 9									
APPROX STATION	TO APPROX STATION	DIRECTION	APPROX LENGTH OF EXISTING					627-00009	
			YELLOW			WHITE		MODIFIED EPOXY PAVEMENT MARKING (INLAID)	
			4" SOLID DOUBLE (1 GAL/120 LF) CENTER	4" SKIP (1 GAL/960 LF) CENTER	4" SOLID /SKIP (1 GAL/192 LF) CENTER	4" SOLID (1 GAL/240 LF) EDGE	8" SOLID (1 GAL/120 LF) CHANNELIZING		
			LF			LF		YELLOW	WHITE
765+80	852+90	NB	8710			8710		72.6	36.3
852+90	853+45	NB				55			0.2
853+45	860+40	NB			695	695		3.6	2.9
860+40	868+00	NB		760		760		0.8	3.2
868+00	877+00	NB			900	900		4.7	3.8
877+00	886+00	NB	900			900		7.5	3.8
886+00	903+00	NB			1700	1700		8.9	7.1
903+00	908+50	NB	550			550		4.6	2.3
908+50	917+50	NB			900	900		4.7	3.8
917+50	918+50	NB		100				0.1	
918+50	945+40	NB		2690		2690		2.8	11.2
945+40	952+00	NB			660	660		3.4	2.8
00+15	0+55	SB				60	130		1.3
00+55	37+50	SB				3695			15.4
38+00	59+50	SB				2150			9.0
60+10	120+00	SB				5990			25.0
120+60	192+50	SB				7190			30.0
193+45	255+50	SB				6205			25.9
256+20	570+50	SB				31430			131.0
571+90	853+00	SB				28110			117.1
853+60	952+00	SB				9840			41.0
<b>SH 9 STRIPING SUBTOTAL (3 OF 3)</b>								<b>113.7</b>	<b>473.1</b>

US 50									
APPROX STATION	TO APPROX STATION	DIRECTION	APPROX LENGTH OF EXISTING					627-00009	
			YELLOW			WHITE		MODIFIED EPOXY PAVEMENT MARKING (INLAID)	
			4" SOLID DOUBLE (1 GAL/ 120 LF) CENTER	4" SKIP (1 GAL/960 LF) CENTER	4" SOLID /SKIP (1 GAL/192 LF) CENTER	4" SOLID (1 GAL/240 LF) EDGE	4" SKIP (1 GAL/960 LF) LANE		
			LF			LF		YELLOW	WHITE
4199+85	4206+60	EB				675			8.4
4206+60	4206+85	EB				25			0.1
4207+20	4208+40	EB				120			0.5
4209+00	4211+70	EB				270			1.1
4212+35	4217+00	EB				465			1.9
4217+60	4260+35	EB				4275			17.8
<b>US 50 STRIPING SUBTOTAL (3 OF 3)</b>								<b>0.0</b>	<b>29.8</b>

US50/SH9								
LOCATION	APPROX STATION	DIRECTION	SYMBOL				627-30405	627-30410
			TURN ARROW (15.5 SF)	MERGE ARROW (58 SF)	STOP BAR (24")	YIELD BAR (12") (MUTCD FIG 3B-16)	PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL)	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE)
			EA	EA	LF	LF	SF	SF
SH 9	0+20	LT			13		26	
SH 9	0+20	LT				14	21	
US 50	3800+13	LT		1		58		
US 50	3804+35	LT		1		58		
US 50	3812+80	RT	1			15.5		
US 50	3816+30	RT	1			15.5		
US 50	3817+90	LT	1			15.5		
US 50	3821+70	LT	1			15.5		
US 50	4068+20	RT	1			15.5		
US 50	4072+90	RT	1			15.5		
US 50	4073+90	LT	1			15.5		
US 50	4078+60	LT	1			15.5		
US 50	4183+91	RT		1		58		
US 50	4190+77	RT		1		58		
US 50	4200+05	RT	1			15.5		
US 50	4202+50	RT	1			15.5		
US 50	4204+00	LT	1			15.5		
US 50	4207+00	LT	1			15.5		
<b>SH 9 SUBTOTAL</b>							<b>47</b>	
<b>US 50 SUBTOTAL</b>						<b>418</b>		
<b>PROJECT TOTAL</b>						<b>418</b>	<b>47</b>	

627-00009		
MODIFIED EPOXY PAVEMENT MARKING (INLAID)		
YELLOW	WHITE	GAL
SH 9 SUBTOTAL (1 OF 3)	204.3	165.3
US 50 SUBTOTAL (1 OF 3)	247.0	161.4
SH 9 SUBTOTAL (2 OF 3)	195.9	154.5
US 50 SUBTOTAL (2 OF 3)	126.6	258.6
SH 9 SUBTOTAL (3 OF 3)	113.7	473.1
US 50 SUBTOTAL (3 OF 3)	0.0	29.8
<b>SH 9 STRIPING SUBTOTAL</b>		<b>1306.8</b>
<b>US 50 STRIPING SUBTOTAL</b>		<b>823.4</b>
<b>PROJECT TOTAL</b>		<b>2131</b>

**NOTES:**

- 1) THE APPLICATION RATES SHOWN ABOVE IN UNITS OF GAL/LF ARE FOR ESTIMATING PURPOSES ONLY. THESE RATES INCLUDE THE LENGTH OF GAPS BETWEEN SKIPS OR DOTS. SEE THE PROJECT SPECIFICATIONS FOR ACTUAL APPLICATION RATE REQUIREMENTS.
- 2) THE CONTRACTOR SHALL CONTACT THE CDOT TRAFFIC UNIT AT LEAST TWO WEEKS PRIOR TO LAYING OUT FINAL CENTERLINE STRIPES.

Print Date: 1/24/2017  
 File Name: 21255DES\_Tab\_Stripe03.dgn  
 Horiz. Scale: 1:1      Vert. Scale: N/A

**TRANSPORTATION**  
**AECOM**  
 AECOM Technical Services, Inc.  
 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920  
 T 719.531.0001      www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**

1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323      FAX: 719-227-3298

**Region 2**      **DW**

**As Constructed**

No Revisions:

Revised:

Void:

**TABULATION OF STRIPING**

Designer: JAB      Structure Numbers:      LMB  
 Detailer:      LMB  
 Subset: TAB-STRIPES      Subset Sheets: 3 of 3

**Project No./Code**

STA 0503-089

21255

Sheet Number **28**

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TABULATION OF SIGNING (1 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>SH 9A - NORTHBOUND</b>																						
1	A	9A	0.04	NB	RT	M3-1	24	X	12	WHT	NORTH											
	B	9A	0.04	NB	RT	M1-5(9)	24	X	24	WHT	C-9					2.00		1				
2	X	9A	0.05	NB	RT	R2-1(65)	REMOVE			WHT	SPEED LIMIT 65	1										
3	A	9A	0.06	NB	RT	R2-1(65)	36	X	48	WHT	SPEED LIMIT 65					12.00			1			
4	A	9A	0.08	NB	RT	D2-3	96	X	42	GRN	Guffey 22 Cripple Creek 40 Fairplay 64**					28.00			2			
	X	9A	0.08	NB	RT	D2-2	REMOVE			GRN	HARTSEL 47 FAIRPLAY 64	1										
	Y	9A	0.08	NB	RT	M1-5(9)	REMOVE			WHT	C-9											
5	A	9A	0.12	NB	RT	R10-50	42	X	48	WHT	STOP WHEN SCHOOL BUS SIGNALS FLASH RED					14.00						
	X	9A	0.12	NB	RT	R10-50	REMOVE			WHT	STOP WHEN SCHOOL BUS SIGNALS FLASH RED		1									
6	A	9A	0.15	NB	RT	D6-4C	24	X	24	BLUE	Scenic Byway					4.00						
	B	9A	0.15	NB	RT	D6-4	24	X	24	WHT	AMERICA'S BYWAYS					4.00			1	U		
	C	9A	0.15	NB	RT	SPECIAL	48	X	30	BLUE	Gold Belt Tour**					10.00						
7	X	9A	0.17	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1										
	Y	9A	0.17	NB	RT	W13-1P(55)	REMOVE			YEL	55 M.P.H.											
8	X	9A	0.19	NB	RT	D6-4C	REMOVE			BLUE	Scenic Byway	1										
	Y	9A	0.19	NB	RT	SPECIAL	REMOVE			BLUE	Gold Belt Tour											
	Z	9A	0.19	NB	RT	D6-4A	REMOVE			WHT	AMERICA'S BYWAYS											
9	A	9A	0.27	NB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]					9.00			1			
	B	9A	0.27	NB	RT	W13-1P(55)	24	X	24	YEL	55 MPH					4.00						
10	A	9A	0.30	WB	RT	R1-1	36	X	36	RED	STOP					9.00						
	B	9A	0.30	NB	RT	D3-1	30	X	12	GRN	CR 62**					2.50			1	T		
	C	9A	0.30	SB	LT	D3-1	30	X	12	GRN	CR 62**					2.50						
	X	9A	0.30	WB	RT	R1-1	REMOVE			RED	STOP	1										
11	X	9A	0.94	NB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
	Y	9A	0.94	NB	RT	W13-1P(60)	REMOVE			YEL	60 M.P.H.											
12	A	9A	1.00	NB	RT	D10-1(1)	10	X	18	GRN	MILE 1				1.25			1				
	B	9A	1.00	SB	LT	D10-1(1)	10	X	18	GRN	MILE 1				1.25							
	X	9A	1.00	NB	RT	D10-1(1)	REMOVE			GRN	MILE 1	1										
	Y	9A	1.00	SB	LT	D10-1(1)	REMOVE			GRN	MILE 1											
<b>SH 9 SIGNING SUBTOTAL (1 OF 27)</b>											<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>8.50</b>	<b>99.00</b>	<b>2</b>	<b>6</b>	<b>0</b>			

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code		
File Name: 21255DES_Tab_Sign01.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 Region 2 <span style="float: right;">DW</span>		No Revisions:					STA 0503-089		
Horiz. Scale: 1:1 Vert. Scale: N/A								Revised:		Designer: JAB		Structure Numbers	
TRANSPORTATION						Void:		Detailer: LMB		21255			
AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com								Subset: TAB-SIGN		Subset Sheets: 1 of 27		Sheet Number 29	

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TABULATION OF SIGNING (2 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)			
						EA	EA	EA			EA	SF	SF	EA	EA	EA	EA	EA			
<b>SH 9A - NORTHBOUND</b>																					
13	A	9A	1.03	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]					9.00			1		
	B	9A	1.03	NB	RT	W13-1P(60)	24	X	24	YEL	60 MPH					4.00					
14	X	9A	1.20	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1									
15	A	9A	1.34	NB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]					9.00			1		
16	X	9A	1.50	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1									
	Y	9A	1.50	NB	RT	W13-1P(60)	REMOVE			YEL	60 M.P.H.										
17	A	9A	1.53	NB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]					9.00			1		
	B	9A	1.53	NB	RT	W13-1P(60)	24	X	24	YEL	60 MPH					4.00					
18	X	9A	1.84	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1									
19	A	9A	1.93	NB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]					9.00			1		
20	A	9A	2.00	NB	RT	D10-1(2)	10	X	18	GRN	MILE 2				1.25			1			
	B	9A	2.00	SB	LT	D10-1(2)	10	X	18	GRN	MILE 2				1.25						
	X	9A	2.00	NB	RT	D10-1(2)	REMOVE			GRN	MILE 2	1									
	Y	9A	2.00	SB	LT	D10-1(2)	REMOVE			GRN	MILE 2										
21	A	9A	2.18	NB	RT	W11-8	36	X	36	YEL	[EMERGENCY VEHICLE]					9.00			1		
22	X	9A	2.19	NB	RT	SPECIAL	REMOVE			YEL	FIRE DEPARTMENT	1									
	Y	9A	2.19	NB	RT	W16-2AP(500)	REMOVE			YEL	500 FT										
23	A	9A	3.00	NB	RT	D10-1(3)	10	X	18	GRN	MILE 3				1.25			1			
	B	9A	3.00	SB	LT	D10-1(3)	10	X	18	GRN	MILE 3				1.25						
	X	9A	3.00	NB	RT	D10-1(3)	REMOVE			GRN	MILE 3	1									
	Y	9A	3.00	SB	LT	D10-1(3)	REMOVE			GRN	MILE 3										
24	A	9A	3.13	NB	RT	STRID	12	X	18	WHT	J 15 A 3.14				1.50			1			
	X	9A	3.13	NB	RT	STRID	REMOVE			WHT	J 15 A	1									
25	X	9A	3.97	NB	RT	D10-1(4)	REMOVE			GRN	MILE 4	1									
	Y	9A	3.97	SB	LT	D10-1(4)	REMOVE			GRN	MILE 4										
26	A	9A	4.00	NB	RT	D10-1(4)	10	X	18	GRN	MILE 4				1.25			1			
	B	9A	4.00	SB	LT	D10-1(4)	10	X	18	GRN	MILE 4				1.25						
27	A	9A	4.75	NB	RT	W11-3	36	X	36	YEL	[DEER]					9.00			1		
	B	9A	4.75	NB	RT	W7-3AP(6)	24	X	18	YEL	NEXT 6 MILES					3.00				1	
<b>SH 9 SIGNING SUBTOTAL (2 OF 27)</b>											<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9.00</b>	<b>65.00</b>	<b>4</b>	<b>6</b>	<b>1</b>		


NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016
File Name: 21255DES_Tab_Sign02.dgn
Horiz. Scale: 1:1      Vert. Scale: N/A
TRANSPORTATION
AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001      www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



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Colorado Springs, CO 80906  
Phone: 719-634-2323    FAX: 719-227-3298

Region 2      DW

As Constructed	TABULATION OF SIGNING			
	No Revisions:			
	Revised:	Designer: JAB	Structure Numbers	
	Void:	Detailer: LMB	Subset Sheets: 2 of 27	

Project No./Code
STA 0503-089
21255
Sheet Number 30

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TABULATION OF SIGNING (3 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)			
																			EA	EA	EA
<b>SH 9A - NORTHBOUND</b>																					
28	X	9A	4.80	NB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1									
	Y	9A	4.80	NB	RT	W13-1P(60)	REMOVE			YEL	60 M.P.H.										
29	A	9A	4.89	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]				9.00				1		
	B	9A	4.89	NB	RT	W13-1P(50)	24	X	24	YEL	50 MPH				4.00						
30	X	9A	4.96	NB	RT	D10-1(5)	REMOVE			GRN	MILE 5	1									
	Y	9A	4.96	SB	LT	D10-1(5)	REMOVE			GRN	MILE 5										
31	A	9A	5.00	NB	RT	D10-1(5)	10	X	18	GRN	MILE 5				1.25				1		
	B	9A	5.00	SB	LT	D10-1(5)	10	X	18	GRN	MILE 5				1.25						
32	A	9A	5.03	NB	RT	R2-1(65)	30	X	36	WHT	SPEED LIMIT 65				7.50				1		
33	A	9A	5.45	NB	RT	R2-1(65)	30	X	36	WHT	SPEED LIMIT 65				7.50				1		
	X	9A	5.45	NB	RT	R2-1(65)	REMOVE			WHT	SPEED LIMIT 65	1									
34	X	9A	5.50	NB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1									
	Y	9A	5.54	NB	RT	W11-3	REMOVE			YEL	[DEER]	1									
35	X	9A	5.54	NB	RT	W7-3AP(5)	REMOVE			YEL	NEXT 5 MILES										
	Y	9A	5.54	NB	RT	W7-3AP(5)	REMOVE			YEL	NEXT 5 MILES										
36	X	9A	5.95	NB	RT	D10-1(6)	REMOVE			GRN	MILE 6	1									
	Y	9A	5.95	SB	LT	D10-1(6)	REMOVE			GRN	MILE 6										
37	A	9A	6.00	NB	RT	D10-1(6)	10	X	18	GRN	MILE 6				1.25				1		
	B	9A	6.00	SB	LT	D10-1(6)	10	X	18	GRN	MILE 6				1.25						
38	X	9A	6.29	NB	RT	W1-4L	REMOVE			YEL	[REVERSE CURVE]	1									
39	A	9A	6.38	NB	RT	W1-4L	36	X	36	YEL	[REVERSE CURVE]				9.00				1		
	B	9A	6.38	NB	RT	W13-1P(60)	24	X	24	YEL	60 MPH				4.00						
40	A	9A	6.84	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]				9.00						
	B	9A	6.84	NB	RT	W13-1P(55)	24	X	24	YEL	55 MPH				4.00						
	X	9A	6.84	NB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]										
	Y	9A	6.84	NB	RT	W13-1P(60)	REMOVE			YEL	60 M.P.H.										
41	X	9A	6.95	NB	RT	D10-1(7)	REMOVE			GRN	MILE 7	1									
	Y	9A	6.95	SB	LT	D10-1(7)	REMOVE			GRN	MILE 7										
42	A	9A	7.00	NB	RT	D10-1(7)	10	X	18	GRN	MILE 7				1.25				1		
	B	9A	7.00	SB	LT	D10-1(7)	10	X	18	GRN	MILE 7				1.25						
<b>SH 9 SIGNING SUBTOTAL (3 OF 27)</b>											<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>7.50</b>	<b>54.00</b>	<b>3</b>	<b>4</b>	<b>0</b>		

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code	
File Name: 21255DES_Tab_Sign03.dgn	Date:	Comments	Init.	1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298		No Revisions:					STA 0503-089	
Horiz. Scale: 1:1 Vert. Scale: N/A				Region 2		Revised:		Designer: JAB		Structure Numbers		
TRANSPORTATION				DW		Void:		Detailer: LMB		21255		
AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com								Subset: TAB-SIGN		Subset Sheets: 3 of 27		
										Sheet Number 31		

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TABULATION OF SIGNING (4 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)			
																			EA	EA	EA
<b>SH 9A - NORTHBOUND</b>																					
43	X	9A	7.06	NB	RT	W1-5R	REMOVE			YEL	[WINDING ROAD]	1									
	Y	9A	7.06	NB	RT	W13-1P(55)	REMOVE			YEL	55 M.P.H.										
44	A	9A	7.15	NB	RT	W1-4L	36	X	36	YEL	[REVERSE CURVE]				9.00				1		
	B	9A	7.15	NB	RT	W13-1P(55)	24	X	24	YEL	55 MPH				4.00						
45	A	9A	7.18	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON] (INSTALL CHEVRONS AT 160-FOOT SPACINGS)				5.00			1			
46	A	9A	7.21	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00			1			
47	A	9A	7.24	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00			1			
48	A	9A	7.69	NB	RT	R2-1(55)	36	X	48	WHT	SPEED LIMIT 55				12.00						
	X	9A	7.69	NB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55		1								
49	X	9A	7.94	NB	RT	D10-1(8)	REMOVE			GRN	MILE 8	1									
	Y	9A	7.94	SB	LT	D10-1(8)	REMOVE			GRN	MILE 8										
50	A	9A	8.00	NB	RT	D10-1(8)	10	X	18	GRN	MILE 8				1.25			1			
	B	9A	8.00	SB	LT	D10-1(8)	10	X	18	GRN	MILE 8				1.25						
51	X	9A	8.11	NB	RT	R2-1(45)	REMOVE			WHT	SPEED LIMIT 45		1								
52	X	9A	8.24	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1									
	Y	9A	8.24	NB	RT	W13-1P(40)	REMOVE			YEL	40 M.P.H.										
53	A	9A	8.26	NB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]				9.00					1	
	B	9A	8.26	NB	RT	W13-1P(40)	24	X	24	YEL	40 MPH				4.00						
54	A	9A	8.29	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON] (INSTALL CHEVRONS AT 120-FOOT SPACINGS)				5.00			1			
	B	9A	8.29	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00						
55	A	9A	8.31	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00			1			
	B	9A	8.31	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00						
56	A	9A	8.34	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00			1			
	B	9A	8.34	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00						
57	A	9A	8.36	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00			1			
	B	9A	8.36	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00						
58	A	9A	8.38	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00			1			
	B	9A	8.38	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00						
<b>SH 9 SIGNING SUBTOTAL (4 OF 27)</b>											<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>67.50</b>	<b>38.00</b>	<b>9</b>	<b>2</b>	<b>0</b>		

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code	
File Name: 21255DES_Tab_Sign04.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 <b>Region 2</b>		No Revisions:					STA 0503-089	
Horiz. Scale: 1:1 Vert. Scale: N/A								Revised:		21255		
 TRANSPORTATION AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com						Void:		Designer: JAB Detailer: LMB Subset: TAB-SIGN		Structure Numbers Subset Sheets: 4 of 27 Sheet Number 32		



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TABULATION OF SIGNING (5 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)			
																			EA	EA	EA
<b>SH 9A - NORTHBOUND</b>																					
59	A	9A	8.40	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	9A	8.40	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00		1			
60	A	9A	8.43	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	9A	8.43	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00		1			
61	A	9A	8.45	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	9A	8.45	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00		1			
62	A	9A	8.51	NB	RT	W1-10L	36	X	36	YEL	[CURVE/INTERSECTION SYMBOL]					9.00					
	B	9A	8.51	NB	RT	W13-1P(45)	24	X	24	YEL	45 MPH					4.00				1	
63	A	9A	8.54	NB	RT	D1-2A	108	X	30	GRN	Cripple Creek 31 -> Florissant 32 ->**					22.50					
	X	9A	8.54	NB	RT	D1-2A	REMOVE			GRN	GUFFEY 15 ^ CRIPPLE CREEK 35 ->										
64	A	9A	8.56	NB	RT	D6-4C	24	X	24	BLUE	Scenic Byway					4.00					
	B	9A	8.56	NB	RT	D6-4	24	X	24	WHT	AMERICA'S BYWAYS					4.00				1	U
	C	9A	8.56	NB	RT	SPECIAL	48	X	30	BLUE	Gold Belt Tour**					10.00					
	D	9A	8.56	NB	RT	M6-1R	21	X	15	BLUE	->					2.19					
	X	9A	8.56	NB	RT	D6-4C	REMOVE			BLUE	Scenic Byway										
	Y	9A	8.56	NB	RT	SPECIAL	REMOVE			BLUE	Gold Belt Tour ->	1									
	Z	9A	8.56	NB	RT	D6-4A	REMOVE			WHT	AMERICA'S BYWAYS										
65	A	9A	8.62	WB	RT	R1-1	36	X	36	RED	STOP					9.00					
	B	9A	8.62	NB	RT	D3-1	30	X	12	GRN	CR 11**					2.50				1	T
	C	9A	8.62	SB	LT	D3-1	30	X	12	GRN	CR 11**					2.50					
	X	9A	8.62	NB	RT	D3-1	REMOVE			GRN	HIGH PARK RD, CR-11	1									
66	A	9A	8.62	NB	RT	D3-1	60	X	12	GRN	HIGH PARK RD**					5.00				1	T
	B	9A	8.62	SB	LT	D3-1	60	X	12	GRN	HIGH PARK RD**					5.00					
	X	9A	8.62	WB	RT	R1-1	REMOVE			RED	STOP	1									
67	A	9A	8.65	NB	RT	M3-1	24	X	12	WHT	NORTH					2.00				1	
	B	9A	8.65	NB	RT	M1-5(9)	24	X	24	WHT	C-9					4.00					
	X	9A	8.65	NB	RT	M1-5(9)	REMOVE			WHT	C-9	1									
68	X	9A	8.69	NB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1									
<b>SH 9 SIGNING SUBTOTAL (5 OF 27)</b>											<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>36.00</b>	<b>79.69</b>	<b>4</b>	<b>4</b>	<b>0</b>		

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			 Colorado Department of Transportation 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			<b>Project No./Code</b>	
File Name: 21255DES_Tab_Sign05.dgn	Date:	Comments	Init.		No Revisions:					STA 0503-089	
Horiz. Scale: 1:1 Vert. Scale: N/A				 AECOM AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com	Revised:	Designer: JAB	Structure Numbers	21255			
TRANSPORTATION					Void:	Detailer: LMB	Subset Sheets: 5 of 27	Sheet Number 33			
						Subset: TAB-SIGN					





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TABULATION OF SIGNING (6 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
						EA	EA	EA			EA	SF	SF	EA	EA	EA	EA	EA				
<b>SH 9A - NORTHBOUND</b>																						
69	A	9A	8.77	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	8.77	NB	RT	W13-1P(50)	24	X	24	YEL	50 MPH									1		
70	X	9A	8.94	NB	RT	D10-1(9)	REMOVE			GRN	MILE 9	1										
	Y	9A	8.94	SB	LT	D10-1(9)	REMOVE			GRN	MILE 9											
71	A	9A	8.97	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	8.97	NB	RT	W13-1P(50)	24	X	24	YEL	50 MPH									1		
72	A	9A	9.00	NB	RT	D10-1(9)	10	X	18	GRN	MILE 9				1.25					1		
	B	9A	9.00	SB	LT	D10-1(9)	10	X	18	GRN	MILE 9				1.25							
73	X	9A	9.18	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1										
74	A	9A	9.26	NB	RT	S3-1	36	X	36	FYG	[SCHOOL BUS STOP AHEAD SYMBOL]										1	
	X	9A	9.26	NB	RT	S3-1	REMOV			FYG	SCHOOL BUS STOP AHEAD	1										
75	A	9A	9.28	NB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]										1	
	B	9A	9.28	NB	RT	W13-1P(50)	24	X	24	YEL	50 MPH											
76	A	9A	9.60	NB	RT	R2-1(55)	36	X	48	WHT	SPEED LIMIT 55										1	
	X	9A	9.60	NB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55	1										
77	X	9A	9.85	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1										
78	X	9A	9.91	NB	RT	D10-2(10)	REMOVE			GRN	MILE 10	1										
	Y	9A	9.91	SB	LT	D10-2(10)	REMOVE			GRN	MILE 10											
79	A	9A	10.00	NB	RT	D10-2(10)	10	X	27	GRN	MILE 10				1.88					1		
	B	9A	10.00	SB	LT	D10-2(10)	10	X	27	GRN	MILE 10				1.88							
80	A	9A	10.81	NB	RT	D3-2	72	X	36	GRN	Tallahassee Road <-**										2	
81	X	9A	10.85	NB	RT	D3-2	REMOVE			GRN	Tallahassee Road <-	1										
82	A	9A	10.90	NB	RT	W8-51B	36	X	36	YEL	NO SNOWPLOWING 7PM - 5AM										9.00	
	X	9A	10.90	NB	RT	W8-51B	REMOVE			YEL	NO SNOWPLOWING 7PM - 5AM		1									
83	A	9A	10.92	NB	RT	M3-1	24	X	12	WHT	NORTH				2.00						1	
	B	9A	10.92	NB	RT	M1-5(9)	24	X	24	WHT	C-9				4.00							
	X	9A	10.92	NB	RT	M1-5(9)	REMOVE			YEL	C-9	1										
84	X	9A	10.91	NB	RT	D10-2(11)	REMOVE			GRN	MILE 11	1										
	Y	9A	10.91	SB	LT	D10-2(11)	REMOVE			GRN	MILE 11											
<b>SH 9 SIGNING SUBTOTAL (6 OF 27)</b>											<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>12.25</b>	<b>87.00</b>	<b>3</b>	<b>7</b>	<b>0</b>			

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code	
File Name: 21255DES_Tab_Sign06.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 <b>Region 2</b>		No Revisions:					STA 0503-089	
Horiz. Scale: 1:1 Vert. Scale: N/A								Revised:		Designer: JAB		Structure Numbers
TRANSPORTATION				 AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com		Void:		Detailer: LMB		21255		
								Subset: TAB-SIGN		Subset Sheets: 6 of 27		Sheet Number 34

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TABULATION OF SIGNING (7 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>SH 9A - NORTHBOUND</b>																						
85	A	9A	11.00	NB	RT	D10-2(11)	10	X	27	GRN	MILE 11											
	B	9A	11.00	SB	LT	D10-2(11)	10	X	27	GRN	MILE 11					1.88		1				
86	A	9A	11.04	NB	RT	R2-1(45)	36	X	48	WHT	SPEED LIMIT 45											
	X	9A	11.04	NB	RT	R2-1(45)	REMOVE			WHT	SPEED LIMIT 45		1									
87	X	9A	11.26	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]											
	Y	9A	11.26	NB	RT	W13-1P(35)	REMOVE			YEL	35 M.P.H.	1										
88	A	9A	11.32	NB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	11.32	NB	RT	W13-1P(35)	24	X	24	YEL	35 MPH					9.00				1		
89	A	9A	11.35	NB	RT	STRID	12	X	18	WHT	J 15 F 11.34					1.50		1				
90	A	9A	11.38	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON] (INSTALL CHEVRONS AT 80-FOOT SPACINGS)					5.00		1				
	B	9A	11.38	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
91	A	9A	11.40	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00		1				
	B	9A	11.40	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
92	X	9A	11.40	NB	RT	W1-8L	REMOVE			YEL	[CHEVRON]	1										
93	A	9A	11.41	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00		1				
	B	9A	11.41	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
	X	9A	11.41	NB	RT	W1-8L	REMOVE			YEL	[CHEVRON]	1										
94	X	9A	11.42	NB	RT	W1-8L	REMOVE			YEL	[CHEVRON]	1										
95	A	9A	11.43	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00		1				
	B	9A	11.43	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
96	A	9A	11.44	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00		1				
	B	9A	11.44	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
97	A	9A	11.46	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00		1				
	B	9A	11.46	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
98	A	9A	11.47	NB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00		1				
	B	9A	11.47	SB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
99	A	9A	11.80	NB	RT	R2-1(55)	30	X	36	WHT	SPEED LIMIT 55										1	
100	X	9A	11.89	NB	RT	D10-2(12)	REMOVE			GRN	MILE 12											
	Y	9A	11.89	SB	LT	D10-2(12)	REMOVE			GRN	MILE 12	1										
<b>SH 9 SIGNING SUBTOTAL (7 OF 27)</b>											<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>75.25</b>	<b>32.50</b>	<b>9</b>	<b>2</b>	<b>0</b>			

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code		
File Name: 21255DES_Tab_Sign07.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 <b>Region 2</b>		No Revisions:					STA 0503-089		
Horiz. Scale: 1:1 Vert. Scale: N/A								Revised:		Designer: JAB		21255	
TRANSPORTATION				 AECOM Technical Services, Inc. 2315 Blargate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com		Void:		Detailer: LMB		Structure Numbers		Sheet Number 35	
								Subset: TAB-SIGN		Subset Sheets: 7 of 27			

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TABULATION OF SIGNING (8 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)			
																			EA	EA	EA
<b>SH 9A - NORTHBOUND</b>																					
101	A	9A	12.00	NB	RT	D10-2(12)	10	X	27	GRN	MILE 12										
	B	9A	12.00	SB	LT	D10-2(12)	10	X	27	GRN	MILE 12						1				
102	A	9A	12.02	NB	RT	STRID	12	X	18	WHT	J 15 E 12.03						1				
103	X	9A	12.20	NB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55	1									
104	X	9A	12.88	NB	RT	D10-2(13)	REMOVE			GRN	MILE 13	1									
	Y	9A	12.88	SB	LT	D10-2(13)	REMOVE			GRN	MILE 13										
105	A	9A	13.00	NB	RT	D10-2(13)	10	X	27	GRN	MILE 13										
	B	9A	13.00	SB	LT	D10-2(13)	10	X	27	GRN	MILE 13						1				
106	X	9A	13.29	NB	RT	W1-5R	REMOVE			YEL	[WINDING ROAD]	1									
	Y	9A	13.29	NB	RT	W13-1P(50)	REMOVE			YEL	50 M.P.H.										
107	A	9A	13.36	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]										
	B	9A	13.36	NB	RT	W13-1P(50)	24	X	24	YEL	50 MPH									1	
108	A	9A	13.52	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]										
	B	9A	13.52	NB	RT	W13-1P(50)	24	X	24	YEL	50 MPH									1	
109	X	9A	13.87	NB	RT	D10-2(14)	REMOVE			GRN	MILE 14	1									
	Y	9A	13.87	SB	LT	D10-2(14)	REMOVE			GRN	MILE 14										
110	A	9A	14.00	NB	RT	D10-2(14)	10	X	27	GRN	MILE 14										
	B	9A	14.00	SB	LT	D10-2(14)	10	X	27	GRN	MILE 14						1				
111	A	9A	14.31	NB	RT	R2-1(45)	36	X	48	WHT	SPEED LIMIT 45										
	X	9A	14.31	NB	RT	R2-1(45)	REMOVE			WHT	SPEED LIMIT 45		1								
112	X	9A	14.43	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1									
113	X	9A	14.76	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1									
114	A	9A	14.82	NB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]										
	B	9A	14.82	NB	RT	W13-1P(40)	24	X	24	YEL	40 MPH									1	
115	X	9A	14.87	NB	RT	D10-2(15)	REMOVE			GRN	MILE 15	1									
	Y	9A	14.87	SB	LT	D10-2(15)	REMOVE			GRN	MILE 15										
116	A	9A	15.00	NB	RT	D10-2(15)	10	X	27	GRN	MILE 15										
	B	9A	15.00	SB	LT	D10-2(15)	10	X	27	GRN	MILE 15						1				
<b>SH 9 SIGNING SUBTOTAL (8 OF 27)</b>											<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>16.50</b>	<b>51.00</b>	<b>5</b>	<b>3</b>	<b>0</b>		

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016 File Name: 21255DES_Tab_Sign08.dgn Horiz. Scale: 1:1      Vert. Scale: N/A	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Date:</th> <th style="width: 55%;">Comments</th> <th style="width: 30%;">Init.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Date:	Comments	Init.							<b>Colorado Department of Transportation</b> 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF SIGNING</b> Designer: JAB    Structure Numbers Detailer: LMB Subset: TAB-SIGN    Subset Sheets: 8 of 27	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number 36
Date:	Comments	Init.												

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TABULATION OF SIGNING (9 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>SH 9A - NORTHBOUND</b>																						
117	A	9A	15.28	NB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	15.28	NB	RT	W13-1P(40)	24	X	24	YEL	40 MPH									1		
	X	9A	15.28	NB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1										
118	X	9A	15.61	NB	RT	W1-3R	REMOVE			YEL	[REVERSE TURN]	1										
	Y	9A	15.61	NB	RT	W13-1P(35)	REMOVE			YEL	35 M.P.H.											
119	A	9A	15.65	NB	RT	W1-4R	36	X	36	YEL	[REVERSE CURVE]											
	B	9A	15.65	NB	RT	W13-1P(35)	24	X	24	YEL	35 MPH									1		
120	X	9A	15.91	NB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
	Y	9A	15.91	NB	RT	W13-1P(35)	REMOVE			YEL	35 M.P.H.											
121	A	9A	15.93	NB	RT	W1-1R	36	X	36	YEL	[TURN SYMBOL]											
	B	9A	15.93	NB	RT	W13-1P(30)	24	X	24	YEL	30 MPH									1		
122	X	9A	15.85	NB	RT	D10-2(16)	REMOVE			GRN	MILE 16	1										
	Y	9A	15.85	SB	LT	D10-2(16)	REMOVE			GRN	MILE 16											
123	A	9A	15.94	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	15.94	NB	RT	W13-1P(35)	24	X	24	YEL	35 MPH										1	
	X	9A	15.94	NB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
	Y	9A	15.94	NB	RT	W13-1P(40)	REMOVE			YEL	40 M.P.H.											
124	A	9A	16.00	NB	RT	D10-2(16)	10	X	27	GRN	MILE 16											
	B	9A	16.00	SB	LT	D10-2(16)	10	X	27	GRN	MILE 16									1		
125	X	9A	16.03	NB	RT	W2-2L	REMOVE			YEL	[SIDE ROAD WARNING]	1										
126	X	9A	16.56	NB	RT	W1-5L	REMOVE			YEL	[WINDING ROAD]	1										
	Y	9A	16.56	NB	RT	W13-1P(40)	REMOVE			YEL	40 M.P.H.											
127	A	9A	16.75	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	16.75	NB	RT	W13-1P(40)	24	X	24	YEL	40 MPH										1	
128	A	9A	16.95	NB	RT	R2-1(55)	36	X	48	WHT	SPEED LIMIT 55										1	
	X	9A	16.95	NB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55	1										
129	X	9A	16.84	NB	RT	D10-2(17)	REMOVE			GRN	MILE 17	1										
	Y	9A	16.84	SB	LT	D10-2(17)	REMOVE			GRN	MILE 17											
<b>SH 9 SIGNING SUBTOTAL (9 OF 27)</b>											<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.75</b>	<b>77.00</b>	<b>1</b>	<b>6</b>	<b>0</b>			

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016 File Name: 21255DES_Tab_Sign09.dgn Horiz. Scale: 1:1      Vert. Scale: N/A	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Date:</th> <th style="width: 55%;">Comments</th> <th style="width: 30%;">Init.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Date:	Comments	Init.							<b>Colorado Department of Transportation</b> 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF SIGNING</b> Designer: JAB Detailer: LMB Subset: TAB-SIGN	Structure Numbers Subset Sheets: 9 of 27	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number <b>37</b>
Date:	Comments	Init.													


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TABULATION OF SIGNING (10 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>SH 9A - NORTHBOUND</b>																						
130	A	9A	17.00	NB	RT	D10-2(17)	10	X	27	GRN	MILE 17											
	B	9A	17.00	SB	LT	D10-2(17)	10	X	27	GRN	MILE 17					1.88		1				
131	A	9A	17.53	WB	RT	R1-1	36	X	36	RED	STOP					9.00						
	B	9A	17.53	NB	RT	D3-1	42	X	12	GRN	CR 275A**					3.50			1		T	
	C	9A	17.53	SB	LT	D3-1	42	X	12	GRN	CR 275A**					3.50						
	X	9A	17.53	WB	RT	R1-1	REMOVE			RED	STOP		1									
	Y	9A	17.53	NB	RT	D3-1	REMOVE				CR 275A											
132	A	9A	17.63	NB	RT	R2-1(55)	30	X	36	WHT	SPEED LIMIT 55					7.50				1		
133	A	9A	18.00	NB	RT	D10-2(18)	10	X	27	GRN	MILE 18					1.88						
	B	9A	18.00	SB	LT	D10-2(18)	10	X	27	GRN	MILE 18					1.88			1			
	X	9A	18.00	NB	RT	D10-2(18)	REMOVE			GRN	MILE 18		1									
	Y	9A	18.00	SB	LT	D10-2(18)	REMOVE			GRN	MILE 18											
134	A	9A	18.04	NB	RT	R10-50	42	X	48	WHT	STOP WHEN SCHOOL BUS SIGNALS FLASH RED					14.00						
	X	9A	18.04	NB	RT	R10-50	REMOVE			WHT	STOP WHEN SCHOOL BUS SIGNALS FLASH RED		1									
135	X	9A	18.06	NB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]		1									
136	A	9A	18.12	NB	RT	W7-1	36	X	36	YEL	[HILL]					9.00				1		
137	X	9A	18.14	NB	RT	W7-1	REMOVE			YEL	[HILL]		1									
138	A	9A	18.15	NB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]					9.00					1	
	B	9A	18.15	NB	RT	W13-1P(50)	24	X	24	YEL	50 MPH					4.00						
<b>SH 9A - SOUTHBOUND</b>																						
139	A	9A	18.06	SB	RT	R2-1(55)	30	X	36	WHT	SPEED LIMIT 55					7.50				1		
140	A	9A	17.43	SB	RT	R2-1(55)	30	X	36	WHT	SPEED LIMIT 55					7.50				1		
141	A	9A	17.02	SB	RT	R2-1(45)	36	X	48	WHT	SPEED LIMIT 45					12.00						
	X	9A	17.02	SB	RT	R2-1(45)	REMOVE			WHT	SPEED LIMIT 45		1									
142	X	9A	16.94	SB	RT	W1-5R	REMOVE			YEL	[WINDING ROAD]		1									
143	A	9A	16.91	SB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]					9.00					1	
	B	9A	16.91	SB	RT	W13-1P(40)	24	X	24	YEL	40 MPH					4.00						
144	X	9A	16.39	SB	RT	W2-2R	REMOVE			YEL	[SIDE ROAD WARNING]		1									
<b>SH 9 SIGNING SUBTOTAL (10 OF 27)</b>											6	2	0	0	7.50	99.50	2		7		0	

**NOTES:**  
1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code	
File Name: 21255DES_Tab_Sign10.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298		No Revisions:		Designer: JAB Detailer: LMB Subset: TAB-SIGN			STA 0503-089	
Horiz. Scale: 1:1 Vert. Scale: N/A						Region 2 DW					Revised:	
TRANSPORTATION AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com						Void:		Subset Sheets: 10 of 27			Sheet Number 38	

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TABULATION OF SIGNING (11 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						W	x	H			REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN	RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)
											EA	EA	EA	EA	SF	SF	EA	EA	EA	EA	
<b>SH 9A - SOUTHBOUND</b>																					
145	X	9A	16.31	SB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1									
	Y	9A	16.31	SB	RT	W13-1P(35)	REMOVE			YEL	35 M.P.H.										
146	A	9A	16.28	EB	RT	R1-1	36	X	36	RED	STOP				9.00				1		
	X	9A	16.28	EB	RT	R1-1	REMOVE			RED	STOP	1									
147	A	9A	16.23	SB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]				9.00				1		
	B	9A	16.23	SB	RT	W13-1P(35)	24	X	24	YEL	35 MPH				4.00						
148	A	9A	16.17	NB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00						
	B	9A	16.17	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00						
	X	9A	16.17	NB	LT	W1-8R	REMOVE			YEL	[CHEVRON]		1								
	Y	9A	16.17	SB	RT	W1-8L	REMOVE			YEL	[CHEVRON]		1								
149	A	9A	16.15	NB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00						
	B	9A	16.15	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00						
	X	9A	16.15	NB	LT	W1-8R	REMOVE			YEL	[CHEVRON]		1								
	Y	9A	16.15	SB	RT	W1-8L	REMOVE			YEL	[CHEVRON]		1								
150	A	9A	16.13	NB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00						
	B	9A	16.13	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00						
	X	9A	16.13	NB	LT	W1-8R	REMOVE			YEL	[CHEVRON]		1								
	Y	9A	16.13	SB	RT	W1-8L	REMOVE			YEL	[CHEVRON]		1								
151	X	9A	16.10	SB	RT	W1-1L	REMOVE			YEL	[TURN SYMBOL]	1									
	Y	9A	16.10	SB	RT	W13-1P(30)	REMOVE			YEL	30 M.P.H.										
152	A	9A	16.08	SB	RT	W1-1L	36	X	36	YEL	[TURN SYMBOL]				9.00				1		
	B	9A	16.08	SB	RT	W13-1P(30)	24	X	24	YEL	30 MPH				4.00						
153	A	9A	16.03	NB	LT	W1-8R	24	X	30	YEL	[CHEVRON] (INSTALL CHEVRONS AT 80-FOOT SPACINGS)				5.00			1			
	B	9A	16.03	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00						
154	A	9A	16.02	NB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00			1			
	B	9A	16.02	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00						
155	A	9A	16.00	NB	LT	W1-8R	24	X	30	YEL	[CHEVRON]				5.00			1			
	B	9A	16.00	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]				5.00						
<b>SH 9 SIGNING SUBTOTAL (11 OF 27)</b>											<b>3</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>60.00</b>	<b>35.00</b>	<b>3</b>	<b>3</b>	<b>0</b>		

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			 Colorado Department of Transportation 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			<b>Project No./Code</b>	
File Name: 21255DES_Tab_Sign1.dgn	Date:	Comments	Init.		No Revisions:					Designer: JAB Detailer: LMB Subset: TAB-SIGN	
Horiz. Scale: 1:1 Vert. Scale: N/A				 AECOM 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com	Revised:		Structure Numbers Subset Sheets: 11 of 27			Sheet Number 39	
TRANSPORTATION					Void:						

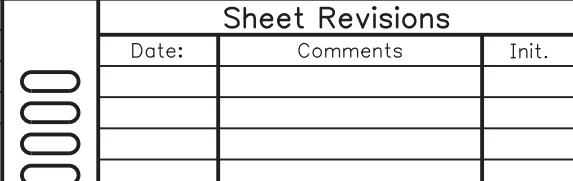
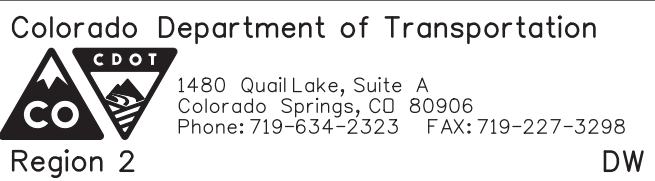
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TABULATION OF SIGNING (12 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>SH 9A - SOUTHBOUND</b>																						
156	A	9A	15.95	SB	RT	W1-4R	36	X	36	YEL	[REVERSE CURVE]											
	B	9A	15.95	SB	RT	W13-1P(40)	24	X	24	YEL	40 MPH									1		
	X	9A	15.95	SB	RT	W1-4R	REMOVE			YEL	[REVERSE CURVE]	1										
	Y	9A	15.95	SB	RT	W13-1P(40)	REMOVE			YEL	40 M.P.H.											
157	A	9A	15.60	SB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	15.60	SB	RT	W13-1P(40)	24	X	24	YEL	40 MPH									1		
158	X	9A	15.48	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
159	X	9A	15.01	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
160	X	9A	14.82	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
161	A	9A	14.57	SB	RT	R2-1(55)	36	X	48	WHT	SPEED LIMIT 55									1		
	X	9A	14.57	SB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55	1										
162	X	9A	13.90	SB	RT	W1-5R	REMOVE			YEL	[WINDING ROAD]	1										
	Y	9A	13.90	SB	RT	W13-1P(50)	REMOVE			YEL	50 M.P.H.											
163	A	9A	13.73	SB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	13.73	SB	RT	W13-1P(50)	24	X	24	YEL	50 MPH									1		
164	A	9A	13.61	SB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	13.61	SB	RT	W13-1P(50)	24	X	24	YEL	50 MPH									1		
165	X	9A	12.24	SB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1										
166	A	9A	12.02	SB	RT	STRID	12	X	18	WHT	J 15 E 12.03					1.50			1			
167	A	9A	11.81	SB	RT	R2-1(45)	36	X	48	WHT	SPEED LIMIT 45											
	X	9A	11.81	SB	RT	R2-1(45)	REMOVE			WHT	SPEED LIMIT 45		1									
168	X	9A	11.57	SB	RT	W1-1R	REMOVE			YEL	[TURN SYMBOL]	1										
	Y	9A	11.57	SB	RT	W13-1P(30)	REMOVE			YEL	30 M.P.H.											
169	A	9A	11.52	SB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	11.52	SB	RT	W13-1P(35)	24	X	24	YEL	35 MPH									1		
170	A	9A	11.38	SB	RT	STRID	12	X	18	WHT	J 15 F 11.34					1.50			1			
171	A	9A	11.26	SB	RT	R2-1(55)	36	X	48	WHT	SPEED LIMIT 55									1		
	X	9A	11.26	SB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55	1										
<b>SH 9 SIGNING SUBTOTAL (12 OF 27)</b>											<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3.00</b>	<b>101.00</b>	<b>2</b>	<b>7</b>	<b>0</b>			

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016			As Constructed No Revisions: Revised: Void:	TABULATION OF SIGNING Designer: JAB Detailer: LMB Subset: TAB-SIGN		Project No./Code STA 0503-089 21255 Sheet Number 40
File Name: 21255DES_Tab_Sign12.dgn						
TRANSPORTATION AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com						


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TABULATION OF SIGNING (13 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>SH 9A - SOUTHBOUND</b>																						
172	A	9A	10.99	SB	RT	D3-2	72	X	36	GRN	Tallahassee Road ->**									2		
	X	9A	10.99	SB	RT	D3-2	REMOVE			GRN	Tallahassee Road ->	1										
173	A	9A	10.90	EB	RT	R1-1	36	X	36	RED	STOP											
	B	9A	10.90	SB	RT	D3-1	24	X	12	GRN	CR 2**									1		
	C	9A	10.90	NB	LT	D3-1	24	X	12	GRN	CR 2**										T	
	X	9A	10.90	SB	RT	D3-1	REMOVE			GRN	TALLAHASSEE ROAD	1										
	Y	9A	10.90	EB	RT	R1-1	REMOVE			RED	STOP											
174	A	9A	10.87	SB	RT	W11-3	36	X	36	YEL	[DEER]											
	B	9A	10.87	SB	RT	W7-3AP(6)	24	X	18	YEL	NEXT 6 MILES										1	
175	A	9A	10.84	SB	RT	M3-3	24	X	12	WHT	SOUTH				2.00							
	B	9A	10.84	SB	RT	M1-5(9)	24	X	24	WHT	C-9				4.00			1				
	X	9A	10.84	SB	RT	M1-5(9)	REMOVE			YEL	C-9	1										
176	A	9A	10.80	SB	RT	R2-1(55)	30	X	36	WHT	SPEED LIMIT 55										1	
177	A	9A	10.50	SB	RT	W11-3	REMOVE			YEL	[DEER]	1										
	B	9A	10.50	SB	RT	W7-3AP(5)	REMOVE			YEL	NEXT 5 MILES											
178	X	9A	10.17	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
179	X	9A	9.85	SB	RT	R2-1(45)	REMOVE			WHT	SPEED LIMIT 45		1									
180	X	9A	9.57	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
181	A	9A	9.53	SB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	9.53	SB	RT	W13-1P(50)	24	X	24	YEL	50 MPH										1	
182	A	9A	9.21	SB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]											
	B	9A	9.21	SB	RT	W13-1P(50)	24	X	24	YEL	50 MPH										1	
183	A	9A	8.71	SB	RT	D1-2A	108	X	30	GRN	<- Cripple Creek 31 <- Florissant 32**											
	X	9A	8.71	SB	RT	D1-2A	REMOVE			GRN	^ CANON CITY 17 <- CRIPPLE CREEK 35		1									
184	A	9A	8.69	SB	RT	W1-10R	36	X	36	YEL	[CURVE/INTERSECTION SYMBOL]											
	B	9A	8.69	SB	RT	W13-1P(45)	24	X	24	YEL	45 MPH										1	
185	A	9A	8.67	SB	RT	D6-4C	24	X	24	BLUE	Scenic Byway											
	B	9A	8.67	SB	RT	D6-4	24	X	24	WHT	AMERICA'S BYWAYS											
	C	9A	8.67	SB	RT	SPECIAL	48	X	30	BLUE	Gold Belt Tour**										1	
	D	9A	8.67	SB	RT	M6-6L	21	X	15	BLUE	<-^										U	
<b>SH 9 SIGNING SUBTOTAL (13 OF 27)</b>											<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>6.00</b>	<b>132.19</b>	<b>1</b>	<b>9</b>	<b>1</b>			

NOTES:  
1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016 File Name: 21255DES_Tab_Sign13.dgn Horiz. Scale: 1:1    Vert. Scale: N/A	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Date:</th> <th style="width: 55%;">Comments</th> <th style="width: 30%;">Init.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Date:	Comments	Init.							 Colorado Department of Transportation 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	As Constructed No Revisions: Revised: Void:	<b>TABULATION OF SIGNING</b> Designer: JAB Detailer: LMB Subset: TAB-SIGN Structure Numbers Subset Sheets: 13 of 27	Project No./Code STA 0503-089 21255 Sheet Number 41
Date:	Comments	Init.												

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TABULATION OF SIGNING (14 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>SH 9A - SOUTHBOUND</b>																						
186	X	9A	8.64	SB	RT	D6-4C	REMOVE			BLUE	Scenic Byway	1										
	Y	9A	8.64	SB	RT	SPECIAL	REMOVE			BLUE	Gold Belt Tour <^											
	Z	9A	8.64	SB	RT	D6-4A	REMOVE			WHT	AMERICA'S BYWAYS											
187	A	9A	8.61	WB	T	D1-2	84	X	30	GRN	<- Cañon City Fairplay ->**					17.50						
	X	9A	8.61	WB	T	D1-2A	REMOVE			GRN	<- CANON CITY 17 GUFFY 14 ->		1									
188	A	9A	8.57	SB	RT	M3-3	24	X	12	WHT	SOUTH											
	B	9A	8.57	SB	RT	M1-5(9)	24	X	24	WHT	C-9				2.00		1					
	X	9A	8.57	SB	RT	M1-5(9)	REMOVE			WHT	C-9	1			4.00							
189	X	9A	8.54	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
	Y	9A	8.54	SB	RT	W13-1P(40)	REMOVE			YEL	40 M.P.H.											
190	A	9A	8.53	SB	RT	R2-1(45)	36	X	48	WHT	SPEED LIMIT 45									1		
191	A	9A	8.48	SB	RT	W7-1	36	X	36	YEL	[HILL]					12.00				1		
	B	9A	8.48	SB	RT	W7-2BP	24	X	18	YEL	TRUCKS USE LOWER GEAR					9.00				1		
192	X	9A	8.47	SB	RT	W7-1	REMOVE			YEL	[HILL]	1										
	Y	9A	8.47	SB	RT	W7-2BP	REMOVE			YEL	TRUCKS USE LOWER GEAR											
193	A	9A	8.45	SB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]					9.00				1		
	B	9A	8.45	SB	RT	W13-1P(40)	24	X	24	YEL	40 MPH					4.00						
194	A	9A	8.25	SB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]					9.00				1		
	B	9A	8.25	SB	RT	W13-1P(50)	24	X	24	YEL	50 MPH					4.00						
195	A	9A	8.05	SB	RT	R2-1(65)	36	X	48	WHT	SPEED LIMIT 65					12.00				1		
	X	9A	8.05	SB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55	1										
196	A	9A	7.94	SB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]					9.00				1		
	B	9A	7.94	SB	RT	W13-1P(60)	24	X	24	YEL	60 MPH					4.00						
197	A	9A	7.62	SB	RT	W1-4L	36	X	36	YEL	[REVERSE CURVE]					9.00				1		
	B	9A	7.62	SB	RT	W13-1P(60)	24	X	24	YEL	60 MPH					4.00						
198	X	9A	7.59	SB	RT	W1-5L	REMOVE			YEL	[WINDING ROAD]	1										
	Y	9A	7.59	SB	RT	W13-1P(45)	REMOVE			YEL	45 M.P.H.											
199	A	9A	7.42	SB	RT	W1-4L	36	X	36	YEL	[REVERSE CURVE]					9.00				1		
	B	9A	7.42	SB	RT	W13-1P(50)	24	X	24	YEL	50 MPH					4.00						
<b>SH 9 SIGNING SUBTOTAL (14 OF 27)</b>											<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6.00</b>	<b>118.50</b>	<b>1</b>	<b>8</b>	<b>0</b>			

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016 File Name: 21255DES_Tab_Sign14.dgn Horiz. Scale: 1:1      Vert. Scale: N/A	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Date:</th> <th style="width: 55%;">Comments</th> <th style="width: 30%;">Init.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Date:	Comments	Init.							<b>Colorado Department of Transportation</b> 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF SIGNING</b> Designer: JAB Detailer: LMB Subset: TAB-SIGN	Structure Numbers Subset Sheets: 14 of 27	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number 42
Date:	Comments	Init.													

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TABULATION OF SIGNING (15 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>SH 9A - SOUTHBOUND</b>																						
200	A	9A	7.37	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON] (INSTALL CHEVRONS AT 160-FOOT SPACINGS)					5.00		1				
201	A	9A	7.34	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00		1				
202	A	9A	7.31	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00		1				
203	A	9A	7.17	SB	RT	W1-4R	36	X	36	YEL	[REVERSE CURVE]					9.00			1			
	B	9A	7.17	SB	RT	W13-1P(55)	24	X	24	YEL	55 MPH					4.00						
204	X	9A	7.04	SB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1										
205	X	9A	6.72	SB	RT	W1-4L	REMOVE			YEL	[REVERSE CURVE]	1										
206	A	9A	6.63	SB	RT	W1-4L	36	X	36	YEL	[REVERSE CURVE]					9.00			1			
	B	9A	6.63	SB	RT	W13-1P(55)	24	X	24	YEL	55 MPH					4.00						
207	X	9A	5.75	SB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1										
208	A	9A	5.37	SB	RT	R2-1(65)	30	X	36	WHT	SPEED LIMIT 65					7.50			1			
	X	9A	5.37	SB	RT	R2-1(65)	REMOVE			WHT	SPEED LIMIT 65	1										
209	X	9A	5.10	SB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1										
210	A	9A	5.03	SB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]					9.00			1			
	B	9A	5.03	SB	RT	W13-1P(50)	24	X	24	YEL	50 MPH					4.00						
211	A	9A	4.98	NB	LT	W1-8R	24	X	30	YEL	[CHEVRON] (INSTALL CHEVRONS AT 160-FOOT SPACINGS)					5.00		1				
	B	9A	4.98	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00						
212	A	9A	4.95	NB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00		1				
	B	9A	4.95	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00						
213	A	9A	4.92	NB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00		1				
	B	9A	4.92	SB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00						
214	A	9A	4.86	EB	RT	R1-1	36	X	36	RED	STOP					9.00			1			
	X	9A	4.86	EB	RT	R1-1	REMOVE			RED	STOP	1										
215	A	9A	4.76	SB	RT	R2-1(65)	30	X	36	WHT	SPEED LIMIT 65					7.50			1			
216	A	9A	3.15	SB	RT	STRID	12	X	18	WHT	J 15 A 3.14					1.50		1				
	X	9A	3.15	SB	RT	STRID	REMOVE			WHT	J 15 A	1										
217	X	9A	2.39	SB	RT	SPECIAL	REMOVE			YEL	FIRE DEPT	1										
	Y	9A	2.39	SB	RT	W16-2AP(500)	REMOVE			YEL	500 FT	1										
<b>SH 9 SIGNING SUBTOTAL (15 OF 27)</b>											<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46.50</b>	<b>63.00</b>	<b>7</b>	<b>6</b>	<b>0</b>			

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code	
File Name: 21255DES_Tab_Sign15.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 <b>Region 2</b>		No Revisions:					Designer: JAB Detailer: LMB Subset: TAB-SIGN	
Horiz. Scale: 1:1 Vert. Scale: N/A						DW		Revised:		Structure Numbers		
 AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com						Void:		Subset Sheets: 15 of 27			Sheet Number 43	

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### TABULATION OF SIGNING (16 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
						EA	EA	EA			EA	SF	SF	EA	EA	EA	EA	EA				
<b>SH 9A - SOUTHBOUND</b>																						
218	A	9A	2.38	SB	RT	W11-8	36	X	36	YEL	[EMERGENCY VEHICLE]											
219	A	9A	2.24	EB	RT	R1-1	36	X	36	RED	STOP										1	
	X	9A	2.24	EB	RT	R1-1	REMOVE			RED	STOP	1										1
220	X	9A	2.10	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
221	A	9A	2.06	SB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]										1	
222	X	9A	1.70	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
223	A	9A	1.66	SB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]										1	
224	X	9A	1.41	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
225	A	9A	1.39	SB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]										1	
226	X	9A	1.26	SB	RT	W1-2L	REMOVE			YEL	[CURVE SYMBOL]	1										
227	A	9A	1.25	SB	RT	W1-2L	36	X	36	YEL	[CURVE SYMBOL]										1	
228	A	9A	1.09	EB	RT	R1-1	36	X	36	RED	STOP										1	
	B	9A	1.09	SB	RT	D3-1	42	X	12	GRN	CR 353A**										1	
	C	9A	1.09	NB	LT	D3-1	42	X	12	GRN	CR 353A**										1	
	X	9A	1.09	EB	RT	R1-1	REMOVE			RED	STOP											
	Y	9A	1.09	SB	RT	D3-1	REMOVE				353-A	1										
229	A	9A	0.68	EB	RT	R1-1	36	X	36	RED	STOP										1	
	B	9A	0.68	SB	RT	D3-1	42	X	12	GRN	CR 353A**										1	
	C	9A	0.68	NB	LT	D3-1	42	X	12	GRN	CR 353A**										1	
	X	9A	0.68	EB	RT	R1-1	REMOVE			RED	STOP	1										
	Y	9A	0.68	SB	RT	D3-1	REMOVE				353-A											
230	X	9A	0.57	SB	RT	W1-2R	REMOVE			YEL	[CURVE SYMBOL]	1										
231	A	9A	0.53	SB	RT	R2-1(55)	36	X	48	WHT	SPEED LIMIT 55										12.00	
	X	9A	0.53	SB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55		1									
232	A	9A	0.49	SB	RT	W1-2R	36	X	36	YEL	[CURVE SYMBOL]										1	
233	X	9A	0.37	SB	RT	R2-1(45)	REMOVE			WHT	SPEED LIMIT 45	1										
234	X	9A	0.32	SB	RT	D6-4C	REMOVE			BLUE	Scenic Byway											
	Y	9A	0.32	SB	RT	SPECIAL	REMOVE			BLUE	Gold Belt Tour <	1										
	Z	9A	0.32	SB	RT	D6-4A	REMOVE			WHT	AMERICA'S BYWAYS											
<b>SH 9 SIGNING SUBTOTAL (16 OF 27)</b>											<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>107.00</b>	<b>0</b>	<b>9</b>	<b>0</b>			

**NOTES:**

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016 File Name: 21255DES_Tab_Sign16.dgn Horiz. Scale: 1:1      Vert. Scale: N/A	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Date:</th> <th style="width: 55%;">Comments</th> <th style="width: 30%;">Init.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Date:	Comments	Init.							<b>Colorado Department of Transportation</b> 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b> <b>DW</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF SIGNING</b> Designer: JAB    Structure Numbers Detailer: LMB Subset: TAB-SIGN    Subset Sheets: 16 of 27	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number 44
Date:	Comments	Init.												

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TABULATION OF SIGNING (17 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)			
						EA	EA	EA			EA	SF	SF	EA	EA	EA	EA	EA			
<b>SH 9A - SOUTHBOUND</b>																					
235	A	9A	0.24	SB	RT	R2-1(45)	36	X	48	WHT	SPEED LIMIT 45										
236	A	9A	0.13	SB	RT	M2-1	21	X	15	WHT	JCT				2.19						
	B	9A	0.13	SB	RT	M1-4(50)	24	X	24	WHT	US 50				4.00		1				
	X	9A	0.13	SB	RT	M2-1	REMOVE			WHT	JCT	1									
	Y	9A	0.13	SB	RT	M1-4(50)	REMOVE			WHT	US 50										
237	A	9A	0.11	SB	RT	R2-1(35)	36	X	48	WHT	SPEED LIMIT 35					12.00				1	
	X	9A	0.11	SB	RT	R2-1(35)	REMOVE			WHT	SPEED LIMIT 35	1									
238	A	9A	0.08	SB	RT	W3-1	36	X	36	YEL	[STOP AHEAD]					9.00					
	X	9A	0.08	SB	RT	W3-1	REMOVE			YEL	[STOP AHEAD]		1								
239	A	9A	0.05	SB	RT	D1-2	84	X	30	GRN	<- Cañon City Salida ->**					17.50				2	
	X	9A	0.05	SB	RT	D1-2	REMOVE			GRN	<- PUEBLO SALIDA ->	1									
240	A	9A	0.03	SB	RT	D6-4C	24	X	24	BLUE	Scenic By way					4.00					
	B	9A	0.03	SB	RT	D6-4	24	X	24	WHT	AMERICA'S BYWAYS					4.00				1	U
	C	9A	0.03	SB	RT	SPECIAL	48	X	30	BLUE	Gold Belt Tour**					10.00					
	D	9A	0.03	SB	RT	M6-1L	21	X	15	BLUE	<-					2.19					
241	A	9A	0.01	SB	RT	M4-6	24	X	12	WHT	END				2.00						
	B	9A	0.01	SB	RT	M1-5(9)	24	X	24	WHT	C-9				4.00		1				
242	A	9A	0.00	SB	RT	R1-1	48	X	48	RED	STOP					16.00					
	X	9A	0.00	SB	RT	R1-1	REMOVE			RED	STOP		1								
243	A	9A	0.00	SB	RT	R1-2	36X36X36			RED	YIELD					4.50					
	X	9A	0.00	SB	RT	R1-2	REMOVE			RED	YIELD		1								
<b>US 50A - EASTBOUND</b>																					
244	R	50A	262.72	EB	RT	W1-2R	RESET			YEL	[CURVE SYMBOL] (RESET TO MP 262.75)	1									
	S	50A	262.72	EB	RT	W13-1P(45)	RESET			YEL	45 M.P.H. (RESET TO MP 262.75)										
245	X	50A	262.75	EB	RT	W6-3	REMOVE			YEL	[TWO-WAY TRAFFIC]		1								
246	R	50A	262.92	EB	RT	D10-3(263)	RESET			GRN	MILE 263 (RESET TO MP 263)										
	S	50A	262.92	WB	LT	D10-3(263)	RESET			GRN	MILE 263 (RESET TO MP 263)			1							
247	R	50A	264.89	EB	RT	D10-3(265)	RESET			GRN	MILE 265 (RESET TO MP 265)										
	S	50A	264.89	WB	LT	D10-3(265)	RESET			GRN	MILE 265 (RESET TO MP 265)				1						
<b>SH 9 SIGNING SUBTOTAL (17 OF 27)</b>											3	3	0	0	12.19	91.19	2		5	0	
<b>US 50 SIGNING SUBTOTAL (17 OF 27)</b>											1	1	2	2	0.00	0.00	0		0	0	

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation				<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>				Project No./Code	
File Name: 21255DES_Tab_Sign17.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 Region 2				No Revisions:						Designer: JAB	
Horiz. Scale: 1:1 Vert. Scale: N/A								 AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com				Revised:		Detailer: LMB	
TRANSPORTATION				 DW								Void:		Subset: TAB-SIGN	

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TABULATION OF SIGNING (19 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
						EA	EA	EA			EA	SF	SF	EA	EA	EA	EA	EA				
<b>US 50A - EASTBOUND</b>																						
266	A	50A	268.00	EB	RT	D10-3(268)	10	X	36	GRN	MILE 268											
	B	50A	268.00	WB	LT	D10-3(268)	10	X	36	GRN	MILE 268					2.50					1	
267	A	50A	268.07	EB	RT	W1-4R	36	X	36	YEL	[REVERSE CURVE]											
	B	50A	268.07	EB	RT	W13-1P(45)	24	X	24	YEL	45 MPH										1	
268	A	50A	268.34	EB	RT	W1-4R	36	X	36	YEL	[REVERSE CURVE]										1	
	B	50A	268.34	EB	RT	W13-1P(40)	24	X	24	YEL	40 MPH											
269	A	50A	268.49	EB	RT	W9-1L	36	X	36	YEL	LEFT LANE ENDS										1	
270	A	50A	268.59	EB	RT	W4-2L	36	X	36	YEL	[LANE ENDS]										1	
271	A	50A	268.61	EB	RT	W1-8L	24	X	30	YEL	[CHEVRON] (INSTALL CHEVRONS AT 120-FOOT SPACINGS)					5.00					1	
	B	50A	268.61	WB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
272	A	50A	268.63	EB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					1	
	B	50A	268.63	WB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
273	A	50A	268.66	EB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					1	
	B	50A	268.66	WB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
274	A	50A	268.68	EB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					1	
	B	50A	268.68	WB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
275	A	50A	268.70	EB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					1	
	B	50A	268.70	WB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
276	A	50A	268.72	EB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					1	
	B	50A	268.72	WB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00						
277	A	50A	268.65	EB	RT	D9-3A	24	X	24	BLUE	[TRAILER CAMPING]					4.00					1	
	B	50A	268.65	EB	RT	W16-3AP(1/2)	24	X	12	BLUE	1/2 MILE					2.00						
	X	50A	268.65	EB	RT	D9-3A	REMOVE			BLUE	[TRAILER CAMPING]											1
	Y	50A	268.65	EB	RT	W16-3AP(1/2)	REMOVE			BLUE	1/2 MILE											
278	X	50A	268.76	EB	RT	D1-2	REMOVE			GRN	CRIPPLE CREEK VICTOR <											1
279	A	50A	268.91	EB	RT	M2-1	21	X	15	WHT	JCT					2.19					1	
	B	50A	268.91	EB	RT	M1-5(9)	24	X	24	WHT	C-9					4.00						
	X	50A	268.91	EB	RT	M2-1	REMOVE			WHT	JCT											1
	Y	50A	268.91	EB	RT	M1-5(9)	REMOVE			WHT	C-9											
<b>US 50 SIGNING SUBTOTAL (19 OF 27)</b>											<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77.19</b>	<b>44.00</b>	<b>9</b>	<b>4</b>	<b>0</b>			

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code				
File Name: 21255DES_Tab_Sign19.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 <b>Region 2</b>		No Revisions:					STA 0503-089				
Horiz. Scale: 1:1 Vert. Scale: N/A						 AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com		Revised:		Designer: JAB Structure Numbers		21255			
TRANSPORTATION				 Region 2		Void:		Detailer: LMB		Subset: TAB-SIGN		Subset Sheets: 19 of 27		Sheet Number 47	

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TABULATION OF SIGNING (21 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>US 50A - EASTBOUND</b>																						
289	A	50A	269.10	SB	T	M3-2	24	X	12	WHT	EAST											
	B	50A	269.10	SB	T	M1-4(50)	24	X	24	WHT	US 50					2.00						
	C	50A	269.10	SB	T	M6-1L	21	X	15	WHT	<-					2.19						
	D	50A	269.10	SB	T	M3-4	24	X	12	WHT	WEST					2.00			1		U	
	E	50A	269.10	SB	T	M1-4(50)	24	X	24	WHT	US 50					4.00						
	F	50A	269.10	SB	T	M6-1R	21	X	15	WHT	->					2.19						
	X	50A	269.10	SB	T	M1-4(50)	REMOVE			WHT	US 50	1										
Y	50A	269.10	SB	T	M6-4	REMOVE			WHT	<->												
290	A	50A	269.11	EB	RT	W4-2R	36	X	36	YEL	[LANE ENDS]					9.00				1		
	X	50A	269.11	EB	RT	W4-2R	REMOVE			YEL	[LANE ENDS]	1										
291	X	50A	269.13	EB	RT	M3-2	REMOVE			WHT	EAST	1										
	Y	50A	269.13	EB	RT	M1-4(50)	REMOVE			WHT	US 50											
292	A	50A	269.14	EB	RT	M3-2	24	X	12	WHT	EAST				2.00							
	B	50A	269.14	EB	RT	M1-4(50)	24	X	24	WHT	US 50				4.00				1			
	X	50A	269.14	EB	RT	R8-3	REMOVE			WHT	[NO PARKING]	1										
293	A	50A	269.15	EB	RT	R8-3	30	X	30	WHT	[NO PARKING]				6.25				1			
294	A	50A	269.16	EB	RT	R2-1(50)	30	X	36	WHT	SPEED LIMIT 50				7.50					1		
295	A	50A	269.17	EB	RT	D9-3A	24	X	24	BLUE	[TRAILER CAMPING]				4.00							
	B	50A	269.17	EB	RT	M6-4	21	X	15	BLUE	<->				2.19				1			
	X	50A	269.17	EB	RT	D9-3A	REMOVE			BLUE	[TRAILER CAMPING]											
	Y	50A	269.17	EB	RT	M6-1R	REMOVE			BLUE	->	1										
	Z	50A	269.17	EB	RT	M6-1L	REMOVE			BLUE	<-											
296	A	50A	269.19	NB	RT	R1-1	36	X	36	RED	STOP				9.00					1		
	X	50A	269.19	NB	RT	R1-1	REMOVE			RED	STOP	1										
297	A	50A	269.22	NB	RT	R1-1	36	X	36	RED	STOP				9.00						1	
	X	50A	269.22	NB	RT	R1-1	REMOVE			RED	STOP	1										
298	A	50A	269.28	NB	RT	R1-1	36	X	36	RED	STOP				9.00							
	B	50A	269.28	EB	RT	D3-1	30	X	12	GRN	CR 61**				2.50					1	T	
	C	50A	269.28	WB	LT	D3-1	30	X	12	GRN	CR 61**				2.50							
	X	50A	269.28	NB	RT	R1-1	REMOVE			RED	STOP											
	Y	50A	269.28	EB	RT	D3-1	REMOVE				CR 61	1										
<b>US 50 SIGNING SUBTOTAL (21 OF 27)</b>											<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18.44</b>	<b>64.88</b>	<b>3</b>	<b>6</b>	<b>0</b>			

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016  
 File Name: 21255DES\_Tab\_Sign21.dgn  
 Horiz. Scale: 1:1      Vert. Scale: N/A

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 T 719.531.0001      www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**



1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323      FAX: 719-227-3298

**Region 2**      **DW**

**As Constructed**

No Revisions:  
 Revised:  
 Void:

**TABULATION OF SIGNING**

Designer: JAB  
 Detailer: LMB  
 Subset: TAB-SIGN

Structure Numbers  
 Subset Sheets: 21 of 27

**Project No./Code**

STA 0503-089

21255

Sheet Number 49



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TABULATION OF SIGNING (22 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)				
																			EA	EA	EA	EA
<b>US 50A - EASTBOUND</b>																						
299	A	50A	269.29	EB	RT	R10-50	42	X	48	WHT	STOP WHEN SCHOOL BUS SIGNALS FLASH RED										14.00	
	X	50A	269.29	EB	RT	R10-50	REMOVE			WHT	STOP WHEN SCHOOL BUS SIGNALS FLASH RED		1									
300	A	50A	269.44	EB	RT	R2-1(55)	36	X	48	WHT	SPEED LIMIT 55										12.00	
	X	50A	269.44	EB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55		1									
301	A	50A	269.49	EB	RT	D6-4C	24	X	24	BLUE	Scenic Byway										4.00	
	B	50A	269.49	EB	RT	D6-4	24	X	24	WHT	AMERICA'S BYWAYS										4.00	
	C	50A	269.49	EB	RT	SPECIAL	48	X	30	BLUE	Gold Belt Tour**										10.00	
	X	50A	269.49	EB	RT	D6-4C	REMOVE			BLUE	Scenic Byway	1										
302	A	50A	269.93	EB	RT	D9-3A	24	X	24	BLUE	[TRAILER CAMPING]					4.00					1	
	B	50A	269.93	EB	RT	W16-3AP(1/2)	24	X	12	BLUE	1/2 MILE					2.00						
	X	50A	269.93	EB	RT	D9-3A	REMOVE			BLUE	[TRAILER CAMPING]	1										
	Y	50A	269.93	EB	RT	W16-3AP(1/2)	REMOVE			BLUE	1/2 MILE											
303	A	50A	270.00	EB	RT	D10-3(270)	10	X	36	GRN	MILE 270					2.50					1	
	B	50A	270.00	WB	LT	D10-3(270)	10	X	36	GRN	MILE 270					2.50						
	X	50A	270.00	EB	RT	D10-3(270)	REMOVE			GRN	MILE 270	1										
	Y	50A	270.00	WB	LT	D10-3(270)	REMOVE			GRN	MILE 270											
<b>US 50A - WESTBOUND</b>																						
304	A	50A	270.20	WB	RT	M3-4	24	X	12	WHT	WEST					2.00					1	
	B	50A	270.20	WB	RT	M1-4(50)	24	X	24	WHT	US 50					4.00						
	X	50A	270.20	WB	RT	M1-4(50)	REMOVE			YEL	US 50	1										
305	A	50A	270.13	WB	RT	R2-1(55)	36	X	48	WHT	SPEED LIMIT 55										12.00	
	X	50A	270.13	WB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55		1									
306	X	50A	269.64	WB	RT	R52-3	REMOVE			WHT	UNLAWFUL TO DEFACE PUBLIC OR PRIVATE PROPERTY	1										
307	X	50A	269.41	WB	RT	W7-1	REMOVE			YEL	[HILL]	1										
	Y	50A	269.41	WB	RT	W7-3P	REMOVE			YEL	6% GRADE											
308	A	50A	269.29	WB	RT	D9-3A	24	X	24	BLUE	[TRAILER CAMPING]					4.00					1	
	B	50A	269.29	WB	RT	M6-4	21	X	15	BLUE	<->					2.19						
	X	50A	269.29	WB	RT	D9-3A	REMOVE			BLUE	[TRAILER CAMPING]											
	Y	50A	269.29	WB	RT	M6-1R	REMOVE			BLUE	<-	1										
	Z	50A	269.29	WB	RT	M6-1L	REMOVE			BLUE	->											
<b>US 50 SIGNING SUBTOTAL (22 OF 27)</b>											<b>7</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>23.19</b>	<b>56.00</b>	<b>4</b>	<b>1</b>	<b>0</b>			

NOTES:  
1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code	
File Name: 21255DES_Tab_Sign22.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 <b>Region 2</b>		No Revisions:					Designer: JAB Detailer: LMB Subset: TAB-SIGN	
Horiz. Scale: 1:1 Vert. Scale: N/A						DW		Revised:		Structure Numbers		
TRANSPORTATION						Void:		Subset Sheets: 22 of 27			Sheet Number 50	
 AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com												



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TABULATION OF SIGNING (23 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)			
																			EA	EA	EA
<b>US 50A - WESTBOUND</b>																					
309	A	50A	269.26	WB	RT	M2-1	21	X	15	WHT	JCT										
	B	50A	269.26	WB	RT	M1-5(9)	24	X	24	WHT	C-9										
	X	50A	269.26	WB	RT	M2-1	REMOVE			WHT	JCT	1									
	Y	50A	269.26	WB	RT	M1-5(9)	REMOVE			WHT	C-9										
310	A	50A	269.21	SB	RT	R1-1	36	X	36	RED	STOP					9.00				1	
	X	50A	269.21	SB	RT	R1-1	REMOVE			RED	STOP	1									
311	A	50A	269.20	WB	RT	R3-7R	30	X	30	WHT	RIGHT LANE MUST TURN RIGHT					6.25				1	
	X	50A	269.20	WB	RT	R3-7R	REMOVE			WHT	RIGHT LANE MUST TURN RIGHT	1									
312	A	50A	269.18	SB	RT	R1-1	36	X	36	RED	STOP					9.00				1	
	X	50A	269.18	SB	RT	R1-1	REMOVE			RED	STOP	1									
313	A	50A	269.18	WB	RT	W7-1	36	X	36	YEL	[HILL]					9.00				1	
	B	50A	269.18	WB	RT	W7-3P	24	X	18	YEL	6% GRADE					3.00					
314	A	50A	269.16	WB	RT	D1-3	96	X	42	GRN	^ Salida Cripple Creek -> Fairplay ->**					28.00				2	
315	X	50A	269.15	WB	RT	D1-3	REMOVE			GRN	^ Salida Guffey -> Hartsel ->	1									
316	A	50A	269.13	WB	RT	D6-4C	24	X	24	BLUE	Scenic Byway					4.00					
	B	50A	269.13	WB	RT	D6-4	24	X	24	WHT	AMERICA'S BYWAYS					4.00					
	C	50A	269.13	WB	RT	SPECIAL	48	X	30	BLUE	Gold Belt Tour**					10.00				1	U
	D	50A	269.13	WB	RT	M6-1R	21	X	15	BLUE	->					2.19					
	X	50A	269.13	WB	RT	D6-4C	REMOVE			BLUE	Scenic Byway										
	Y	50A	269.13	WB	RT	SPECIAL	REMOVE			BLUE	Gold Belt Tour ->	1									
	Z	50A	269.13	WB	RT	D6-4A	REMOVE			WHT	AMERICA'S BYWAYS										
317	A	50A	269.11	WB	RT	M3-4	24	X	12	WHT	WEST					2.00					
	B	50A	269.11	WB	RT	M1-4(50)	24	X	24	WHT	US 50					4.00					
	C	50A	269.11	WB	RT	M6-3	21	X	15	WHT	^					2.19				1	U
	D	50A	269.11	WB	RT	M3-1	24	X	12	WHT	NORTH					2.00					
	E	50A	269.11	WB	RT	M1-5(9)	24	X	24	WHT	C-9					4.00					
	F	50A	269.11	WB	RT	M6-1R	21	X	15	WHT	->					2.19					
	U	50A	269.11	WB	RT	M3-4	REMOVE			WHT	WEST										
	V	50A	269.11	WB	RT	M1-4(50)	REMOVE			WHT	US 50										
	W	50A	269.11	WB	RT	M6-3	REMOVE			WHT	^										
	X	50A	269.11	WB	RT	M3-1	REMOVE			WHT	NORTH										
	Y	50A	269.11	WB	RT	M1-5(9)	REMOVE			WHT	C-9										
Z	50A	269.11	WB	RT	M6-1R	REMOVE			WHT	->											
US 50 SIGNING SUBTOTAL (23 OF 27)											7	0	0	0	12.44	94.56	2	7	0		

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		As Constructed		TABULATION OF SIGNING			Project No./Code	
File Name: 21255DES_Tab_Sign23.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298		No Revisions:		Designer: JAB Detailer: LMB Subset: TAB-SIGN			STA 0503-089	
Horiz. Scale: 1:1 Vert. Scale: N/A						Region 2					Revised:	
TRANSPORTATION				 AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com		Void:		Subset Sheets: 23 of 27			Sheet Number 51	




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TABULATION OF SIGNING (24 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						W	x	H			REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN	RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)
<b>US 50A - WESTBOUND</b>																					
318	A	50A	269.05	WB	RT	M3-4	24	X	12	WHT	WEST										
	B	50A	269.05	WB	RT	M1-4(50)	24	X	24	WHT	US 50					2.00					
	X	50A	269.05	WB	RT	M3-4	REMOVE			WHT	WEST					4.00					
	Y	50A	269.05	WB	RT	M1-4(50)	REMOVE			WHT	US 50	1									
319	A	50A	269.03	WB	RT	R2-1(50)	36	X	48	WHT	SPEED LIMIT 50										
	X	50A	269.03	WB	RT	R2-1(50)	REMOVE			WHT	SPEED LIMIT 50					12.00					
320	X	50A	268.97	WB	RT	W1-5L	REMOVE			YEL	[WINDING ROAD]										
	Y	50A	268.97	WB	RT	W13-1P(35)	REMOVE			YEL	35 M.P.H.	1									
321	A	50A	268.95	WB	RT	D2-2	72	X	30	GRN	Cotopaxi 24 Salida 47**					15.00					
	X	50A	268.95	WB	RT	D2-2	REMOVE			GRN	COTOPAXI 24 SALIDA 47										
322	A	50A	268.88	WB	RT	W1-5R	36	X	36	YEL	[WINDING ROAD]										
	B	50A	268.88	WB	RT	W13-1P(40)	24	X	24	YEL	40 MPH					9.00					
323	A	50A	268.57	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON] (INSTALL CHEVRONS AT 120-FOOT SPACINGS)					5.00					
	B	50A	268.57	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00					
324	A	50A	268.55	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	50A	268.55	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00					
325	A	50A	268.52	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	50A	268.52	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00					
326	A	50A	268.50	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	50A	268.50	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00					
327	A	50A	268.48	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	50A	268.48	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00					
328	A	50A	268.46	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	50A	268.46	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00					
329	A	50A	268.43	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	50A	268.43	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00					
330	A	50A	268.41	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON]					5.00					
	B	50A	268.41	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]					5.00					
<b>US 50 SIGNING SUBTOTAL (24 OF 27)</b>											<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>86.00</b>	<b>40.00</b>	<b>9</b>	<b>1</b>	<b>0</b>		

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			Project No./Code	
File Name: 21255DES_Tab_Sign24.dgn	Date:	Comments	Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298		No Revisions:					STA 0503-089	
Horiz. Scale: 1:1 Vert. Scale: N/A						 DW		Revised:		Designer: JAB		Structure Numbers
 AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com								Void:		Detailer: LMB		21255
						Subset: TAB-SIGN		Subset Sheets: 24 of 27		Sheet Number 52		

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TABULATION OF SIGNING (25 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503		614-01573		614-80001
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)			
																			EA	EA	EA
<b>US 50A - WESTBOUND</b>																					
331	A	50A	268.39	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON]										
	B	50A	268.39	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]										
332	A	50A	268.37	WB	RT	W1-8L	24	X	30	YEL	[CHEVRON]										
	B	50A	268.37	EB	LT	W1-8R	24	X	30	YEL	[CHEVRON]										
333	X	50A	268.27	WB	RT	W1-4L	REMOVE			YEL	[REVERSE CURVE]	1									
	Y	50A	268.27	WB	RT	W13-1P(40)	REMOVE			YEL	40 M.P.H.										
334	A	50A	268.21	WB	RT	W1-4L	36	X	36	YEL	[REVERSE CURVE]										
	B	50A	268.21	WB	RT	W13-1P(45)	24	X	24	YEL	45 MPH										
335	A	50A	267.49	WB	RT	I-2	48	X	18	GRN	Parkdale**										
	X	50A	267.49	WB	RT	I-2	REMOVE			GRN	PARKDALE	1									
336	A	50A	267.46	WB	RT	SPECIAL	48	X	60	YEL	WATCH FOR LEFT TURNING VEHICLES**										
	X	50A	267.46	WB	RT	W2-2L	REMOVE			YEL	[SIDE ROAD WARNING]	1									
337	A	50A	267.43	SB	RT	R1-1	36	X	36	RED	STOP										
	X	50A	267.43	SB	RT	R1-1	REMOVE			RED	STOP	1									
338	A	50A	267.41	WB	RT	W2-2L	36	X	36	YEL	[SIDE ROAD WARNING]										
	X	50A	267.41	WB	RT	W16-8P	24	X	12	YEL	CR 3**										
339	A	50A	267.38	WB	RT	I-3	36	X	18	GRN	Arkansas River**										
	B	50A	267.38	WB	RT	STRID	12	X	18	WHT	K 15 W 267.45										
	X	50A	267.38	WB	RT	I-3	REMOVE			GRN	ARKANSAS RIVER	1									
340	X	50A	267.37	WB	RT	STRID	REMOVE			WHT	K 15 W	1									
341	A	50A	267.22	NB	T	D1-2	84	X	30	GRN	<- Salida Cañon City ->**										
	X	50A	267.22	NB	T	D1-2	REMOVE			GRN	CANON CITY -> US 50 <- SALIDA	1									
342	A	50A	267.18	WB	RT	M3-4	24	X	12	WHT	WEST										
	B	50A	267.18	WB	RT	M1-4(50)	24	X	24	WHT	US 50										
	X	50A	267.18	WB	RT	M3-4	REMOVE			WHT	WEST										
	Y	50A	267.18	WB	RT	M1-4(50)	REMOVE			WHT	US 50	1									
343	A	50A	267.12	WB	RT	R2-1(55)	36	X	48	WHT	SPEED LIMIT 55										
	X	50A	267.12	WB	RT	R2-1(55)	REMOVE			WHT	SPEED LIMIT 55										
<b>US 50 SIGNING SUBTOTAL (25 OF 27)</b>											8	1	0	0	27.50	93.00	3	8	0		

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016 File Name: 21255DES_Tab_Sign25.dgn Horiz. Scale: 1:1      Vert. Scale: N/A	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Date:</th> <th style="width: 55%;">Comments</th> <th style="width: 30%;">Init.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Date:	Comments	Init.							<b>Colorado Department of Transportation</b> 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF SIGNING</b> Designer: JAB Detailer: LMB Subset: TAB-SIGN Structure Numbers Subset Sheets: 25 of 27	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number 53
Date:	Comments	Init.												



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TABULATION OF SIGNING (26 OF 27)

SIGN NUMBER	HIGHWAY	MILEPOST	DIRECTION	LOCATION	SIGN	PANEL SIZE (IN)			BACKGROUND COLOR	LEGEND	202-00810	202-00821	210-00810	210-00815	614-00011	614-00012	614-01503	614-01573	614-80001	
						REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN			RESET SIGN PANEL	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	P	*	P1	*	FLASHING BEACON (SOLAR POWERED)		
																			EA	EA
<b>US 50A - WESTBOUND</b>																				
344	A	50A	266.64	WB	RT	R3-7R	30	X	30	WHT					6.25		1			
	X	50A	266.64	WB	RT	R3-7R	REMOVE			WHT	1									
345	A	50A	266.56	WB	RT	R3-7R	30	X	30	WHT					6.25		1			
	X	50A	266.56	WB	RT	R3-7R	REMOVE			WHT	1									
346	A	50A	266.54	SB	RT	R1-1	36	X	36	RED					9.00			1		
	X	50A	266.54	SB	RT	R1-1	REMOVE			RED	1									
347	X	50A	266.11	WB	RT	W1-4R	REMOVE			YEL										
	Y	50A	266.11	WB	RT	W13-1P(45)	REMOVE			YEL	1									
348	A	50A	266.10	WB	RT	W2-2R	36	X	36	YEL					9.00					
	X	50A	266.10	WB	RT	W16-8P	30	X	12	YEL					2.50			1		
349	A	50A	266.03	WB	RT	W1-4R	36	X	36	YEL					9.00					
	B	50A	266.03	WB	RT	W13-1P(45)	24	X	24	YEL					4.00			1		
350	A	50A	265.90	WB	RT	W8-14	RESET			YEL								1		
351	A	50A	264.42	WB	RT	D17-2	72	X	42	GRN					21.00			2		
352	A	50A	264.30	WB	RT	R4-12	42	X	24	WHT					7.00			1		
353	A	50A	263.98	WB	RT	R4-14	30	X	42	WHT					6.75					
	R	50A	263.98	WB	RT	W8-14	RESET			YEL				1						
354	R	50A	263.14	WB	RT	W1-2L	RESET			YEL			1							
	S	50A	263.14	WB	RT	W13-1P(45)	RESET			YEL										
355	R	50A	261.49	WB	RT	W4-2R	RESET			YEL			1							
356	R	50A	261.37	WB	RT	W9-1R	RESET			YEL			1							
US 50 SIGNING SUBTOTAL (26 OF 27)											4	0	1	3	12.50	70.25	2	7	0	

NOTES:

1) FOR LEGEND, SEE SHEET 27 OF 27.

Print Date: 12/19/2016	<b>Sheet Revisions</b>			 Colorado Department of Transportation 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b>		<b>TABULATION OF SIGNING</b>			<b>Project No./Code</b>	
File Name: 21255DES_Tab_Sign26.dgn	Date:	Comments	Init.		No Revisions:	Designer: JAB Detailer: LMB Subset: TAB-SIGN				STA 0503-089 21255	
Horiz. Scale: 1:1 Vert. Scale: N/A				 AECOM 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001 www.aecom.com	Revised:	Structure Numbers Subset Sheets: 26 of 27			Sheet Number 54		
TRANSPORTATION					Void:						

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**TABULATION OF GUARDRAIL (1 OF 4)**

LOCATION	APPROX STATION	TO APPROX STATION	SIDE	EXISTING CONDITION					202-00201	202-01130	202-01300	210-01200	210-04030	403-00720		506-00212	603-10120	606-00301	606-01370	606-01395	606-02003	606-02005	609-60011	612-00001	612-00003	612-00041	612-00043	615-00030	COMMENTS																	
				APPROX LENGTH	APPROX HEIGHT	CURB								REMOVAL OF CURB	REMOVAL OF GUARDRAIL TYPE 3															REMOVAL OF END ANCHORAGE	RESET END ANCHORAGE	MODIFY GUARDRAIL	HOT MIX ASPHALT (PATCHING) (ASPHALT)	RIPRAP (12 INCH)	12 INCH CORRUGATED STEEL PIPE	GUARDRAIL TYPE 3 (6-3 POST SPACING) (31 IN MGS)	TRANSITION TYPE 3G (31 IN MGS)	TRANSITION TYPE 3L (31 IN MGS)	END ANCHORAGE (NONFLARED) (31 IN MGS)	END ANCHORAGE (FLARED) (31 IN MGS)	CURB TYPE 6 (SECTION M) (BITUMINOUS)	DELINEATOR (TYPE I)	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE I)	DELINEATOR (FLEXIBLE) (TYPE III)	EMBANKMENT PROTECTOR TYPE 3
						BEGIN	END	TYPE																																						
				LF	IN	LF	LF	EACH						EACH	LF															TON		CY	LF	LF	EACH	EACH	EACH	EACH	LF	EACH	EACH	EACH	EACH	EACH	EACH	
		RAIL	ANCHORS																																											
SH 9	03+63	05+28	RT	165	27				90	2			4	15			100			2		1	1																							
SH 9	03+60	05+62	LT	202	27				127	2			5	15			137.50			2		1	1																							
SH 9	09+45	15+45	RT	600	27	09+45	15+45	HMA	600	525	2		19	15			525			2		600	1	1																						
SH 9	05+60	15+54	LT	974	28	08+40	15+54	HMA	714	899	2		32	15	2	20	900			2		714	1	1				1	ADD EMBANKMENT PROTECTOR AT APPROX STA 13+40. NEST GUARDRAIL. SEE ROADWAY DETAILS.																	
SH 9	32+78	35+44	RT	266	<26.5				191	2			7	15			200			2			1	1																						
SH 9	31+63	35+10	LT	327	<26.5	31+83	35+10	HMA	327	252	2		9	15			262.50			2		327	1	1																						
SH 9	50+28	52+83	LT	255	<26.5	50+61	52+83	HMA	222	180	2		7	15	2	20	187.50			2		255	1	1				1	ADD EMBANKMENT PROTECTOR AT LOW POINT EXTEND CURB TO BEGINNING OF RAIL																	
SH 9	65+03	68+30	RT	327	27				252	2			9	15			262.50			2			1	1																						
SH 9	161+63	165+11	RT	348	27	164+97	165+12	CONC	286	2			10	9			287.50		1		1		1						J-15-A																	
SH 9	161+63	165+11	LT	348	27	164+91	165+12	CONC	286	2			10	9			287.50		1		1		1						J-15-A																	
SH 9	166+09	167+15	RT	106	26.5	166+08	166+28	CONC	44	2			2	9			50		1		1		1						J-15-A																	
SH 9	166+09	167+67	LT	158	27	166+08	166+30	CONC	96	2			4	9			100		1		1			1					J-15-A																	
SH 9	592+67	594+61	LT	174	-																								PROTECT TYPE 7 BARRIER																	
SH 9	593+69	594+84	RT	95	27.5																								J-15-F PROTECT																	
SH 9	594+61	595+02	LT	41	28																								J-15-F PROTECT																	
SH 9	596+20	596+90	RT	70	27																								J-15-F PROTECT																	
SH 9	596+50	598+10	LT	160	28																								J-15-F PROTECT																	
US 50	3780+40	3781+85	RT	145	28				89	2			4	9			112.50		1		1					1																				
US 50	3780+85	3781+85	LT	100	27						1			1						1						1			REPLACE EXISTING K-15-G RAIL TRANSITIONS																	
US 50	3782+28	3783+33	RT	105	28						1			1						1					1																					
US 50	3782+28	3783+68	LT	140	28						1			1						1					1																					
SH 9 GUARDRAIL SUBTOTAL (1 OF 4)								1,863	3,228	24	0	0	118	156	4	40	3,300.00	0	4	0	20	1,896	10	10	0	0	2																			
US 50 GUARDRAIL SUBTOTAL (1 OF 4)								0	89	5	0	0	4	12	0	0	112.50	4	0	0	1	0	0	0	0	0	2	2	0																	

**NOTES:**


- HEIGHT IS MEASURED TO THE TOP OF RAIL IN ACCORDANCE WITH M-606-1.
- ALL GUARDRAIL IS TYPE 3 UNLESS OTHERWISE NOTED.
- ALL GUARDRAIL COMPONENTS SHALL BE GALVANIZED STEEL EXCEPT THAT POSTS MAY BE WOOD WHEN IN CLOSE PROXIMITY TO UTILITIES.
- ALL POSTS SHALL BE 7-FOOT.
- ALL BLOCKS SHALL BE COMPOSITE EXCEPT WHERE WOOD IS REQUIRED BY THE M STANDARD OR MANUFACTURER.
- CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHETHER A POST WILL PUNCTURE OR DAMAGE A CULVERT OR ANY UTILITY AND SHALL REPAIR ANY SUCH DAMAGE WITHOUT ADDITIONAL COMPENSATION.
- CONTRACTOR SHALL STAKE OR OTHERWISE MARK PROPOSED POST LOCATIONS FOR REVIEW AND APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION OF POSTS.
- ANY DAMAGE TO THE ROADWAY CAUSED BY GUARDRAIL WORK SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER WITHOUT ADDITIONAL COMPENSATION.
- THE LIMITS AND LENGTH OF PROPOSED GUARDRAIL SHALL MATCH OR EXCEED EXISTING.
- ALL RAIL SHALL BE 10-GAUGE.
- ALL GUARDRAIL SHALL COMPLY WITH THE FHWA MANUAL FOR ASSESSING SAFETY HARDWARE.
- ALL GUARDRAIL SHALL BE REPLACED WITHIN 72 HOURS OF REMOVAL.
- PAVEMENT SHALL BE EXTENDED TO ONE FOOT OUTSIDE THE POST WHERE POSSIBLE AS DETERMINED BY THE ENGINEER. SEE TYPICAL SECTION.
- EXISTING END ANCHORS ASSUMED TO BE 37'-6" IN LENGTH EXCEPT FOR TYPE 3G, WHICH ARE 18'-9"; AND TYPE 3L, WHICH ARE 25'.
- QUANTITY OF PIPE FOR EMBANKMENT PROTECTOR IS AN ESTIMATE. CONTRACTOR SHALL FIELD MEASURE LENGTH BEFORE PURCHASING MATERIALS.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS FOR FLARED AND NON-FLARED END ANCHORS WITH FIELD ENGINEER BEFORE PURCHASING MATERIALS AFTER LOCATING UTILITIES.

Print Date: 1/24/2017  
 File Name: 21255DES\_Tab\_Rail01.dgn  
 Horiz. Scale: 1:1      Vert. Scale: N/A

**TRANSPORTATION**  
**AECOM**  
 AECOM Technical Services, Inc.  
 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920  
 T 719.531.0001      www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**



1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323      FAX: 719-227-3298

**Region 2**      DW

As Constructed	TABULATION OF GUARDRAIL	
No Revisions:	Designer: JAB	Structure Numbers
Revised:	Detailer: WRS	
Void:	Subset: TAB-GUARDRAIL	Subset Sheets: 1 of 4

**Project No./Code**

STA 0503-089

21255

Sheet Number 56

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**TABULATION OF GUARDRAIL (3 OF 4)**

LOCATION	APPROX STATION	TO APPROX STATION	SIDE	EXISTING CONDITION			202-00201	202-01130	202-01300	210-01200	210-04030	403-00720		506-00212	603-10120	606-00301	606-01370	606-01395	606-02003	606-02005	609-60011	612-00001	612-00003	612-00041	612-00043	615-00030	COMMENTS																				
				APPROX LENGTH	APPROX HEIGHT	CURB						REMOVAL OF CURB	REMOVAL OF GUARDRAIL TYPE 3															REMOVAL OF END ANCHORAGE	RESET END ANCHORAGE	MODIFY GUARDRAIL	HOT MIX ASPHALT (PATCHING) (ASPHALT)	RIPRAP (12 INCH)	12 INCH CORRUGATED STEEL PIPE	GUARDRAIL TYPE 3 (6-3 POST SPACING) (31 IN MGS)	TRANSITION TYPE 3G (31 IN MGS)	TRANSITION TYPE 3L (31 IN MGS)	END ANCHORAGE (NONFLARED) (31 IN MGS)	END ANCHORAGE (FLARED) (31 IN MGS)	CURB TYPE 6 (SECTION M) (BITUMINOUS)	DELINEATOR (TYPE I)	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE I)	DELINEATOR (FLEXIBLE) (TYPE III)	EMBANKMENT PROTECTOR TYPE 3			
						APPROX STATION																																							TYPE	TON	
						BEGIN																																									END
US 50	3994+55	4007+35	LT	1280	27.5				1																		RESET CABLE ON END ANCHOR AT STA 3994+55																				
US 50	4008+50	4016+75	LT	825	27																																										
US 50	4018+45	4028+00	LT	955	28			1				4						1										REPLACE END ANCHOR AT STA 4028+00																			
US 50	4029+60	4038+10	LT	850	28			1				4						1										REPLACE END ANCHOR AT STA 4029+60																			
US 50	4039+70	4052+80	LT	1310	27.5			1				8							1									REPLACE END ANCHOR AT STA 4039+70																			
US 50	4062+60	4071+50	LT	890	28																																										
US 50	4062+75	4066+60	RT	385	27																																										
US 50	4067+20	4071+00	RT	380	28																																										
US 50	4076+85	4081+90	RT	505	28																																										
US 50	4111+94	4114+84	RT	290	28	4114+65	4114+85	HMA					8							1									K-15-W. REPLACE END ANCHOR AT STA 4111+75																		
US 50	4111+99	4114+84	LT	285	29	4114+65	4114+85	HMA					8	2	20						1								K-15-W. REPLACE END ANCHOR AND ADD EMBANKMENT PROTECTOR AT STA 4111+80																		
US 50	4117+24	4117+99	RT	75	28	4117+23	4117+43	HMA																					K-15-W																		
US 50	4117+24	4120+04	LT	280	29	4117+23	4119+68	WOOD																					K-15-W																		
US 50	4123+70	4143+35	LT	1965	27	4123+70	4143+35	HMA						2	160														ADD EMBANKMENT PROTECTOR AT MID POINT BETWEEN CULVERTS 221 AND 223																		
US 50	4149+60	4156+00	LT	640	<26.5				2		565		15							2																											
US 50	4164+35	4168+45	RT	410	27																																										
US 50	4165+00	4171+60	LT	660	<26.5				2		585		15							2																											
SH 9 GUARDRAIL SUBTOTAL (3 OF 4)							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
US 50 GUARDRAIL SUBTOTAL (3 OF 4)							0	0	9	1	1,150	0	62	4	180	0	0	0	0	2	7	0	0	0	15	15	2																				


**NOTES:**

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- ALL GUARDRAIL COMPONENTS SHALL BE GALVANIZED STEEL EXCEPT THAT POSTS MAY BE WOOD WHEN IN CLOSE PROXIMITY TO UTILITIES.
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- THE LIMITS AND LENGTH OF PROPOSED GUARDRAIL SHALL MATCH OR EXCEED EXISTING.
- ALL RAIL SHALL BE 10-GAUGE.
- ALL GUARDRAIL SHALL COMPLY WITH THE FHWA MANUAL FOR ASSESSING SAFETY HARDWARE.
- ALL GUARDRAIL SHALL BE REPLACED WITHIN 72 HOURS OF REMOVAL.
- PAVEMENT SHALL BE EXTENDED TO ONE FOOT OUTSIDE THE POST WHERE POSSIBLE AS DETERMINED BY THE ENGINEER. SEE TYPICAL SECTION.
- EXISTING END ANCHORS ASSUMED TO BE 37'-6" IN LENGTH EXCEPT FOR TYPE 3G, WHICH ARE 18'-9"; AND TYPE 3L, WHICH ARE 25'.
- QUANTITY OF PIPE FOR EMBANKMENT PROTECTOR IS AN ESTIMATE. CONTRACTOR SHALL FIELD MEASURE LENGTH BEFORE PURCHASING MATERIALS.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS FOR FLARED AND NON-FLARED END ANCHORS WITH FIELD ENGINEER BEFORE PURCHASING MATERIALS AFTER LOCATING UTILITIES.

Print Date: 1/24/2017
File Name: 21255DES_Tab_Rail03.dgn
Horiz. Scale: 1:1      Vert. Scale: N/A
TRANSPORTATION
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Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**



1480 Quail Lake, Suite A  
Colorado Springs, CO 80906  
Phone: 719-634-2323    FAX: 719-227-3298

**Region 2**      DW

As Constructed	TABULATION OF GUARDRAIL	
No Revisions:	Designer: JAB	Structure Numbers
Revised:	Detailer: WRS	
Void:	Subset: TAB-GUARDRAIL	Subset Sheets: 3 of 4

Project No./Code
STA 0503-089
21255
Sheet Number 58

jason.bonini:10:09:03 PM p:\617479-PWINT.aecomonline\local\AECOM\_DS01\_NA\Documents\60505397-US50\_RoyalGorge\_West\_SH9\_Jct\_North\900\_Work\910\_CAD\02\_SHEETS\02\_Roadway\21255DES\_Tab\_Rail03.dgn





## TABULATION OF DELINEATORS

TYPE	LOCATION	202-00090	612-00001	612-00003	612-00041	612-00042	612-00043
		REMOVAL OF DELINEATOR	DELINEATOR (TYPE I)	DELINEATOR (TYPE III)	DELINEATOR (FLEXIBLE) (TYPE I)	DELINEATOR (FLEXIBLE) (TYPE II)	DELINEATOR (FLEXIBLE) (TYPE II)
		EACH	EACH	EACH	EACH	EACH	EACH
TABULATION OF GUARDRAIL (GREEN)	SH 9	20	10	10			
	US 50	66			33		33
TABULATION OF CURB (GREEN)	SH 9	17	7	10			
	US 50						
STRUCTURES (BLUE)	SH 9	8	4	4			
	US 50	12			6		6
TABULATION OF CULVERTS (YELLOW)	SH 9	266		266			
	US 50	158					158
TABULATION OF DELINEATORS (CRYSTAL)	SH 9	681	681				
	US 50	423			396	27	
SH 9 DELINEATOR SUBTOTAL		992	702	290			
US 50 DELINEATOR SUBTOTAL		659			435	27	197
<b>PROJECT TOTAL</b>		<b>1651</b>	<b>702</b>	<b>290</b>	<b>435</b>	<b>27</b>	<b>197</b>

**NOTES:**

- 1) CRYSTAL DELINEATORS: TANGENT SPACING ON SH9 AND US50 528' PER S-612-1  
 AVERAGE CURVE RADIUS OF 1219' ON SH9 YIELDS 102' SPACING  
 AVERAGE CURVE RADIUS OF 1439' ON US50 YIELDS 110' SPACING
- 2) THE LENGTH ASSUMPTIONS ABOVE ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL SPACE DELINEATORS IN ACCORDANCE WITH S-612-1.
- 3) ASSUMED TWO TYPE I AND TWO TYPE III BLUE DELINEATORS AT STRUCTURES K-15-G, K-15-H, K-15-W, J-15-A, AND J-15-F.
- 4) REMOVAL OF DELINEATOR QUANTITY ESTABLISHED BY MATCHING QUANTITY OF NEW DELINEATORS.

## TABULATION OF CURB

APPROX. STATION	TO APPROX. STATION	LOCATION	SIDE	EXISTING CONDITION		202-00201	609-60011	612-00001	612-00003	COMMENTS
				APPROX. LENGTH (LF)	TYPE	REMOVAL OF CURB	CURB TYPE 6 (SECTION M) (BITUMINOUS)	DELINEATOR (TYPE I)	DELINEATOR (TYPE III)	
						LF	LF	EACH	EACH	
0+10	0+40	SH 9	RT	100	CONCRETE	100				REMOVE CURB AT EASTERN ISLAND. SEE ROADWAY DETAILS
0+10	0+40	SH 9	RT	100	CONCRETE				3	PROTECT WESTERN ISLAND. SEE ROADWAY DETAILS
387+42	389+95	SH 9	LT	253	ASPHALT		385	1	1	EXTEND CURB TO CULVERT C62. REPLACE EXISTING CURB AS DIRECTED BY FIELD ENGINEER, SEE NOTE 1
394+54	400+14	SH 9	RT	560	ASPHALT		50	1	1	REPLACE EXISTING CURB AS DIRECTED BY FIELD ENGINEER, SEE NOTE 1
406+85	413+23	SH 9	RT	638	ASPHALT		50	1	1	REPLACE EXISTING CURB AS DIRECTED BY FIELD ENGINEER, SEE NOTE 1
416+60	425+52	SH 9	RT	892	ASPHALT		200	1	1	REPLACE EXISTING CURB AS DIRECTED BY FIELD ENGINEER, SEE NOTE 1
425+74	431+12	SH 9	LT	538	ASPHALT		588	1	1	EXTEND CURB TO CULVERT C68. REPLACE EXISTING CURB AS DIRECTED BY FIELD ENGINEER, SEE NOTE 1
513+90	516+54	SH 9	RT	264	ASPHALT		150	1	1	REPLACE EXISTING CURB AS DIRECTED BY FIELD ENGINEER, SEE NOTE 1
878+45	884+93	SH 9	RT	648	ASPHALT		648	1	1	REPLACE EXISTING CURB AS DIRECTED BY FIELD ENGINEER, SEE NOTE 1
SH 9 CURB SUBTOTAL						100	2,071	7	10	
US 50 CURB SUBTOTAL						0	0	0	0	
TABULATION OF GUARDRAIL - SH 9 GUARDRAIL SUBTOTAL						1,863	1,896	0	0	
TABULATION OF GUARDRAIL - US 50 GUARDRAIL SUBTOTAL						0	20	0	0	
<b>PROJECT TOTAL</b>						<b>1,963</b>	<b>3,987</b>	<b>*</b>	<b>*</b>	

**NOTES:**

- 1) THE ESTIMATED QUANTITY OF CURB TYPE 6 IS BASED ON AN ESTIMATE OF THE PERCENTAGE OF THE EXISTING CURB THAT IS DAMAGED AND REQUIRES REPLACEMENT. THE ENGINEER SHALL DETERMINE THESE AREAS.

\* CARRIED TO TABULATION OF DELINEATORS

jason.bonini:10:11:26 PM, 1/24/2017, 617479-PWJNT, aecomonline.local:AECOM\_DS01\_NA\Documents\60505397-US50 Royal Gorge West\_Shg\_Jct North\900 Work\910 CAD\02 SHEETS\02\_Roadway\21255DES\_Tab\_Delin\_Curb01.dgn

Print Date: 1/24/2017 File Name: 21255DES_Tab_Delin_Curb01.dgn Horiz. Scale: 1:1      Vert. Scale: N/A	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Date:	Comments	Init.										<b>Colorado Department of Transportation</b> 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>TABULATION OF DELINEATORS</b> <b>TABULATION OF CURB</b> Designer: JAB    Structure Numbers Detailer: WRS Subset: TAB-DELINCURB    Subset Sheets: 1 of 1	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number 60
Date:	Comments	Init.															



### TAB OF TEMPORARY TRAFFIC CONTROL

ITEM NUMBER	DESCRIPTION	UNITS	SH9	US50	PROJECT TOTAL
627-00011	PAVEMENT MARKING PAINT (WATERBORNE)	GAL	1253	792	2045
630-00000	FLAGGING	HR	2880	2880	5760
630-00007	TRAFFIC CONTROL INSPECTION	DAY	29	29	58
630-00012	TRAFFIC CONTROL MANAGEMENT	DAY	60	60	120
630-80001	FLASHING BEACON (PORTABLE)	EA	4	4	8
630-80350	VERTICAL PANEL	EA	10	10	20
630-80355	PORTABLE MESSAGE SIGN PANEL	EA	1	2	3
630-80360	DRUM CHANNELIZING DEVICE	EA	50	50	100
630-80370	CONCRETE BARRIER (TEMPORARY)	LF	100	100	200
630-80380	TRAFFIC CONE	EA	200	200	400
630-80520	MOBILE PAVEMENT MARKING ZONE	DAY	9	5	14
630-85011	IMPACT ATTENUATOR (TEMPORARY)	DAY	11	47	58
630-85041	MOBILE ATTENUATOR	DAY	15	15	30

### END CONSTRUCTION

STA 0503-089  
SH9 STA 970+00  
= MP 18.4

### END PROJECT

STA 0503-089  
SH9 STA 1000+00  
= MP 19.0

### NOTES:

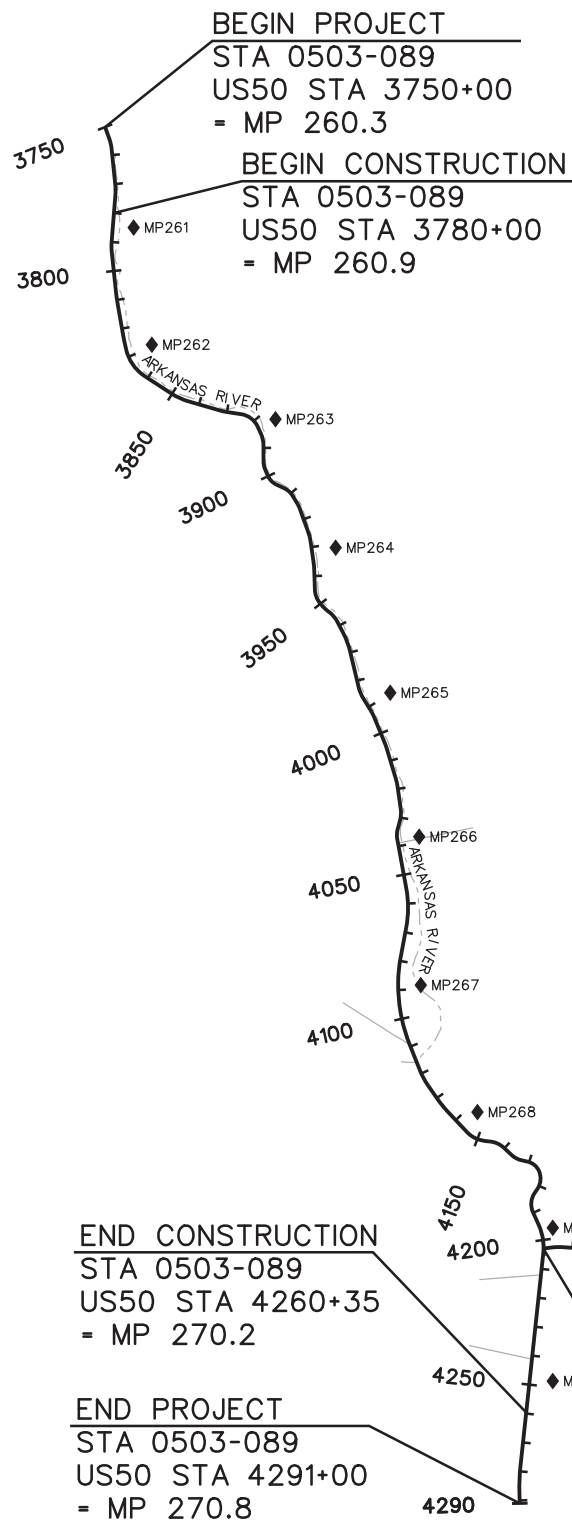
- 1) TWO-WAY TRAFFIC SHALL BE MAINTAINED DURING NON-WORKING HOURS.
- 2) DRUMS OR VERTICAL PANELS SHALL BE USED TO DELINEATE LANE CLOSURE TAPERS.
- 3) ACCESS TO/FROM ALL SIDE ROADS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
- 4) MAINTAIN ACCESS TO SPIKEBUCK, FIVE POINTS, PARKDALE, AND TRAILHEADS AT ALL TIMES.

### LEGEND

- CROSSROAD
- - - ARKANSAS RIVER
- ◆ MP\*\* MILEPOST

### TABULATION OF TEMPORARY SIGNING

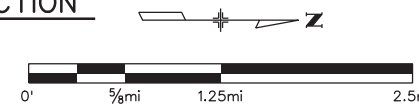
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			CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A)		CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)	
			EA		EA	
			SH9	US50	SH9	US50
G20-10	XYZ / CONSTRUCTION / THANKS YOU / XXX-XXX-XXX	48" x 48"			2	2
G20-11	ROAD WORK / MMM YY-MMM YY / FOR INFORMATION / XXX-XXX-XXX	48" x 48"			2	2
G20-5p	WORK ZONE	48" x 12"	2	2		
R2-1(XX)	SPEED LIMIT XX	48" x 60"			2	2
R2-6P	FINES DOUBLE	36" x 24"			2	2
R52-6a	BEGIN FINES DOUBLE IN WORK ZONE	48" x 60"			2	2
R52-6b	END FINES DOUBLE IN WORK ZONE	48" x 60"			2	2
W3-4	BE PREPARED TO STOP	48" x 48"			2	2
W20-1	ROAD WORK / XX DISTANCE	48" x 48"			2	2
W20-1	ROAD WORK AHEAD	48" x 48"			2	2
W20-4	ONE LANE ROAD / XX DISTANCE	48" x 48"			2	2
W20-7	FLAGGER	48" x 48"			2	2
W5-1	ROAD NARROWS	48" x 48"			2	2
W8-1	BUMP	48" x 48"			2	2
W8-11	UNEVEN LANES	48" x 48"			2	2
W8-15	GROOVED PAVEMENT	48" x 48"			2	2
W12-55	MOTORCYCLES USE EXTREME CAUTION	48" x 48"			2	2
SUBTOTAL			2	2	32	32
PROJECT TOTAL			4		64	



BEGIN PROJECT/BEGIN CONSTRUCTION  
STA 0503-089  
SH9 STA 0+00  
= MP 0.00

END CONSTRUCTION  
STA 0503-089  
US50 STA 4260+35  
= MP 270.2

END PROJECT  
STA 0503-089  
US50 STA 4291+00  
= MP 270.8



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Print Date: 12/17/2016  
 File Name: 21255DES\_TTC.dgn  
 Horiz. Scale: 1:6600 Vert. Scale: N/A

TRANSPORTATION  
**AECOM**  
 AECOM Technical Services, Inc.  
 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920  
 T 719.531.0001 www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  
  
 1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323 FAX: 719-227-3298  
 Region 2 DW

As Constructed  
 No Revisions:  
 Revised:  
 Void:

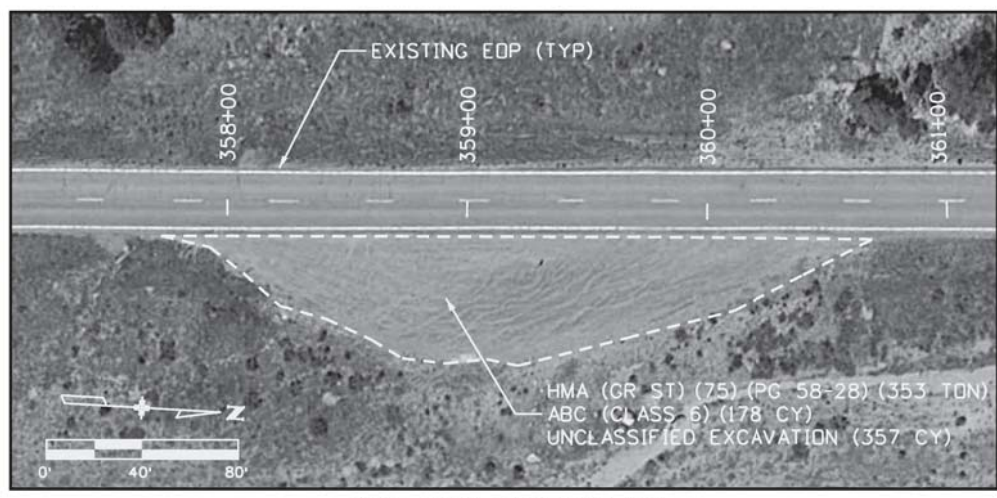
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 Designer: JAB  
 Detailer: JAB  
 Subset: TAB-TTC

Structure Numbers  
 Subset Sheets: 1 of 1

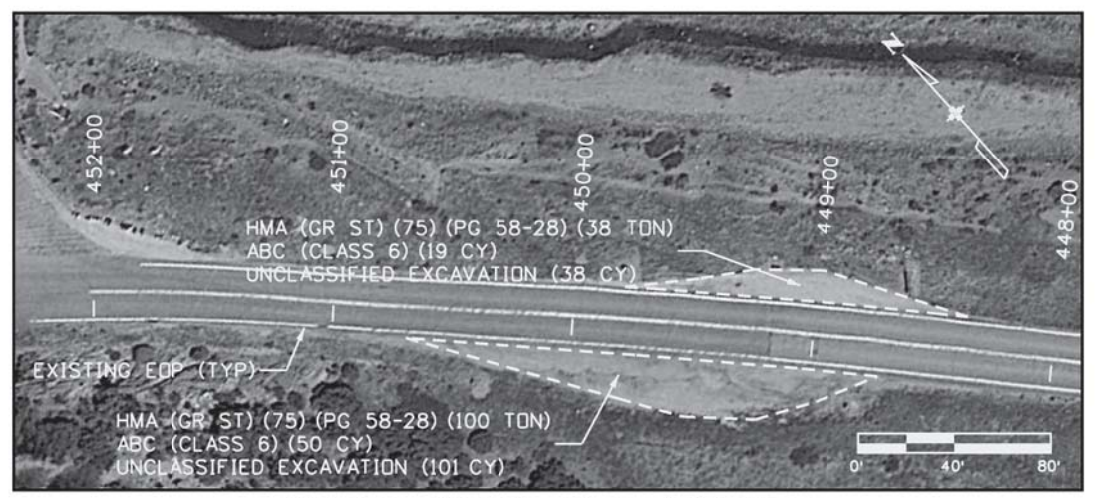
Project No./Code  
 STA 0503-089  
 21255  
 Sheet Number 61



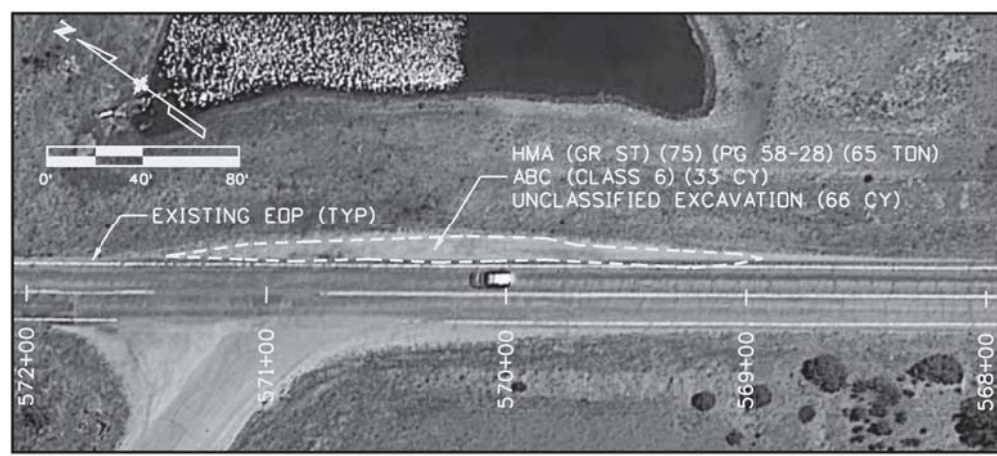
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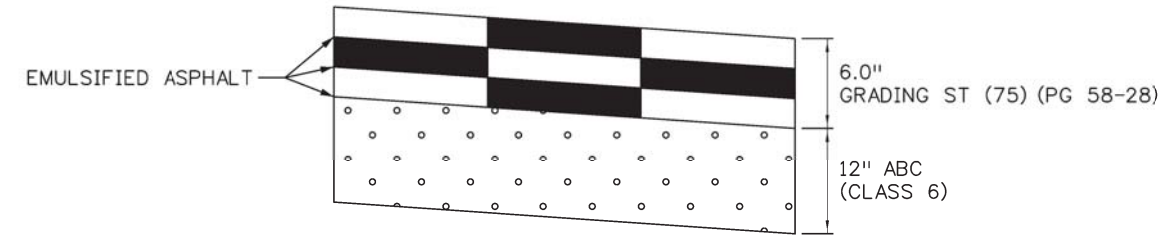
**SH9 STA 360+00 RT  
SNOWPLOW TURNAROUND**



**SH9 STA 449+00 RT & 450+00 LT  
SNOWPLOW TURNAROUND**

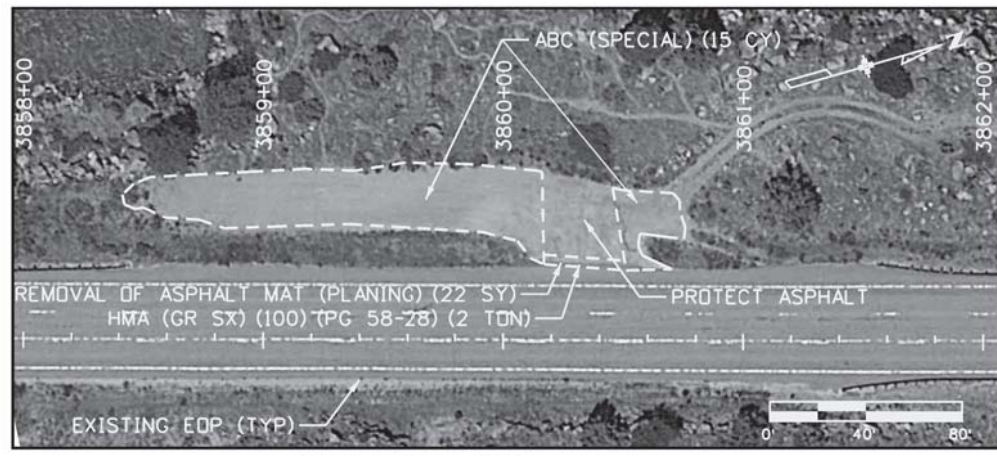


**SH9 STA 570+40 RT  
SNOWPLOW TURNAROUND**

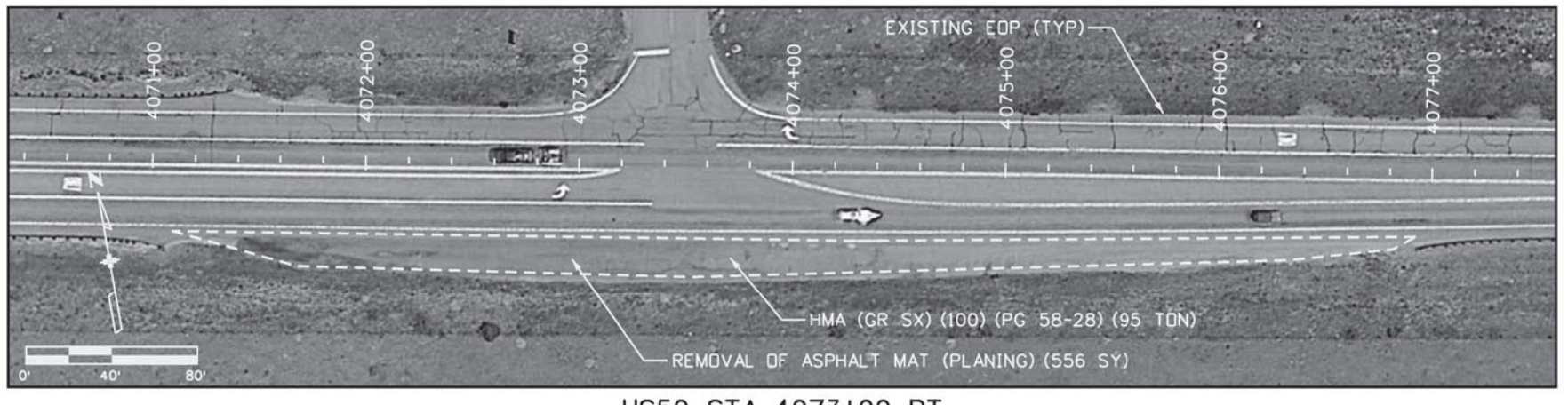


**SH9 SNOWPLOW TURNAROUND  
PAVEMENT SECTION DETAIL**

(STA 360+00 RT, STA 449+00 RT,  
STA 450+00 LT, & STA 570+40 RT)



**US50 STA 3860+00 LT**



**US50 STA 4073+00 RT**

Print Date: 1/24/2017	0000
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Date:	Comments	Init.

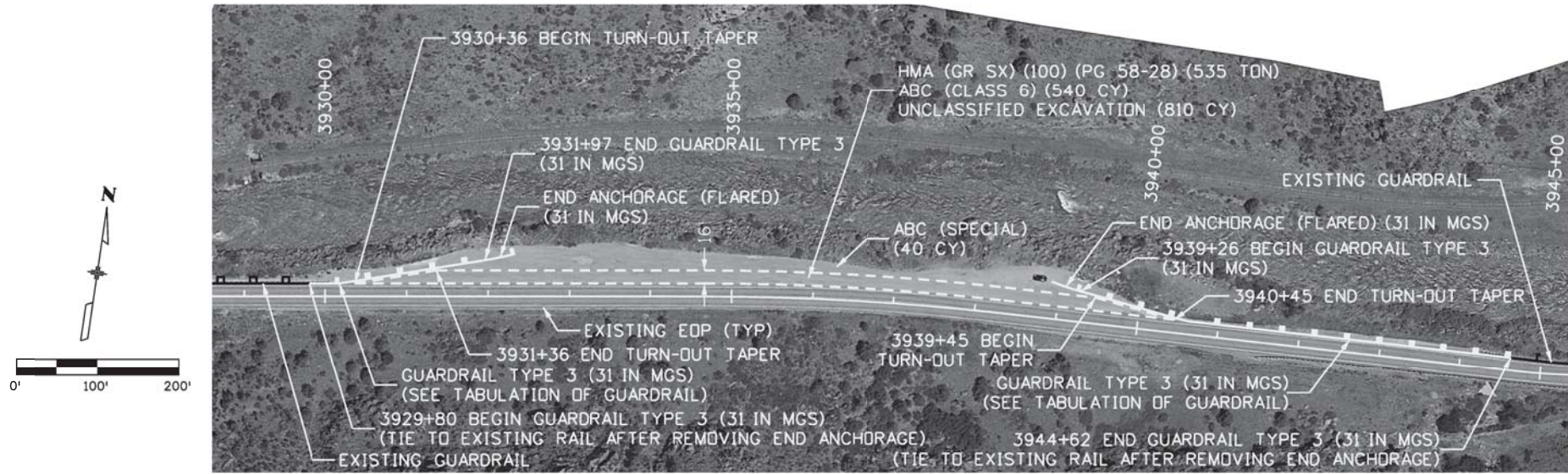
Colorado Department of Transportation  
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 Colorado Springs, CO 80906  
 Phone: 719-634-2323    FAX: 719-227-3298  
 Region 2      DW

As Constructed No Revisions:  Revised:  Void:	<b>ROADWAY DETAIL APPROACHES AND PULLOUTS</b>		
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	Detailer: WRS		
	Subset: DET-RDWY		

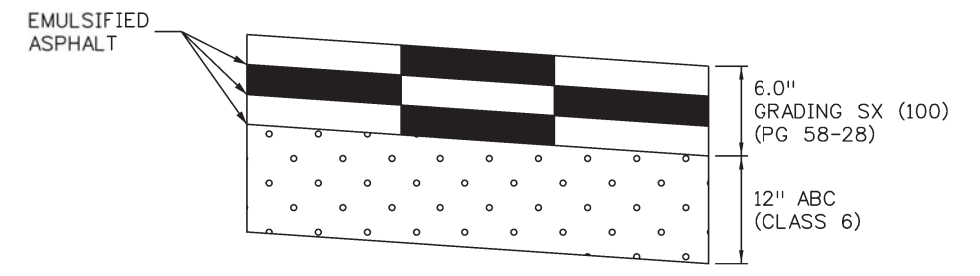
Project No./Code
STA 0503-089
21255
Sheet Number      62



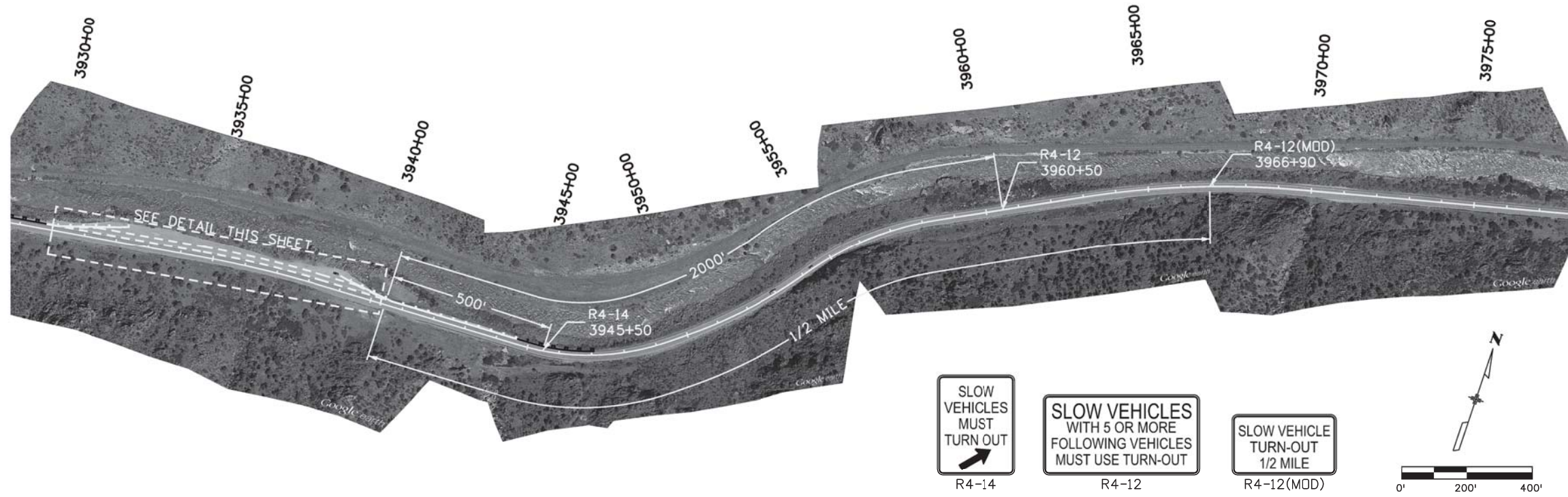
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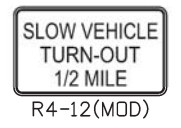
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**SLOW VEHICLE PULLOUT US50 PAVEMENT SECTION DETAIL**



**SLOW VEHICLE PULLOUT US50 STA 3936+00 LT**



Print Date: 1/24/2017	0000
File Name: 21255DES_RdwyDetail_2.dgn	
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Date:	Comments	Init.

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 Region 2      DW

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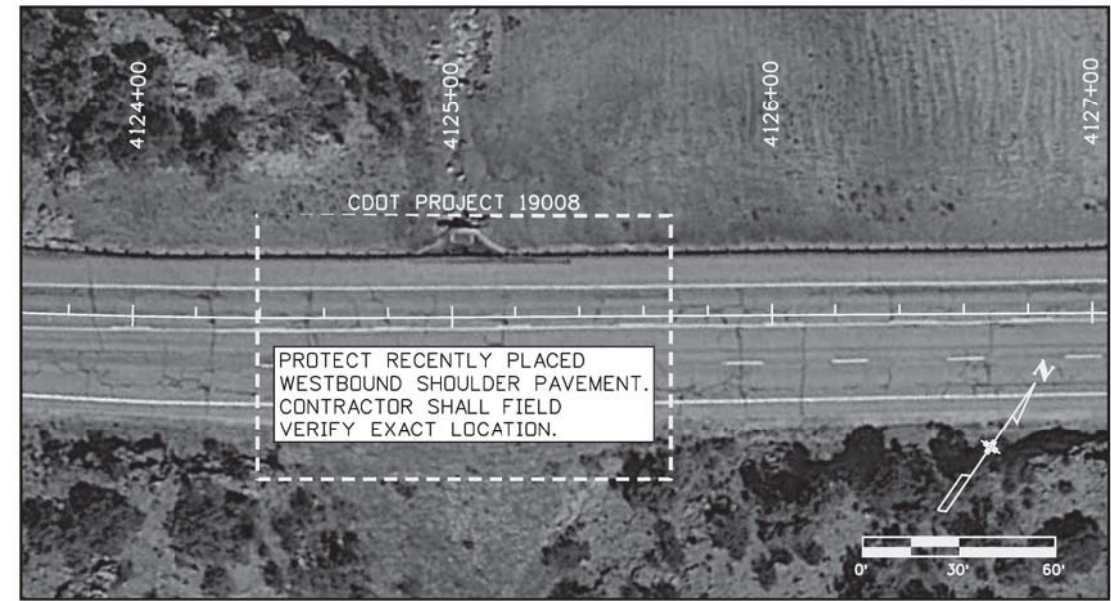
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Designer:	JAB	Structure	
Detailer:	WRS	Numbers	
Subset:	DET-RDWH	Subset Sheets:	2 of 8

Project No./Code
STA 0503-089
21255
Sheet Number 63

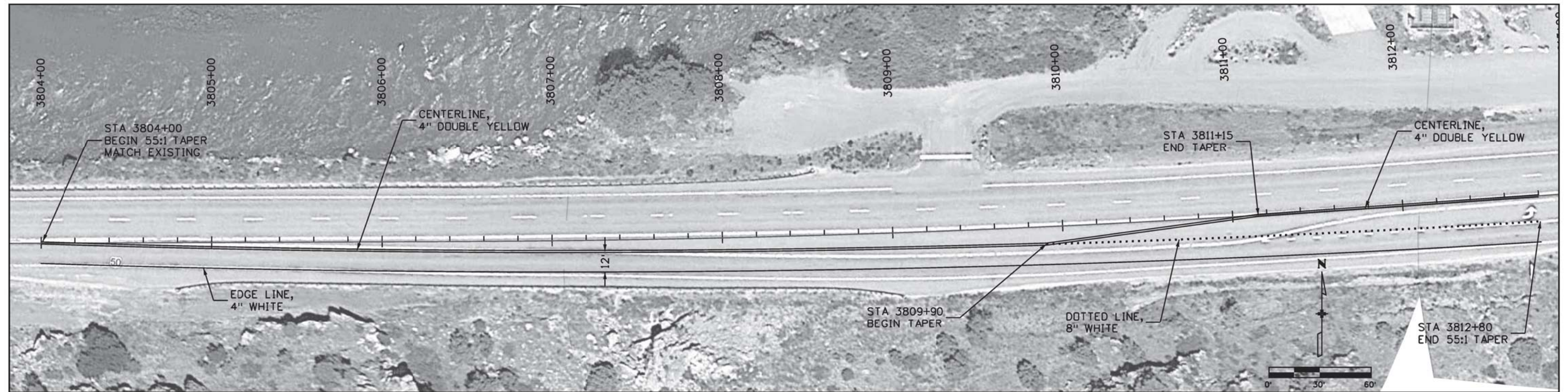




SH9 STA 13+45 LT



US50 STA 4125+00



US50 STRIPING CORRECTIONS

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Print Date: 12/21/2016	<b>Sheet Revisions</b>			Colorado Department of Transportation		As Constructed		ROADWAY DETAIL MISCELLANEOUS DETAILS		Project No./Code			
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 TRANSPORTATION AECOM Technical Services, Inc. 2315 Briargate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001    www.aecom.com						Void:				Subset Sheets: 3 of 8		Sheet Number 64	

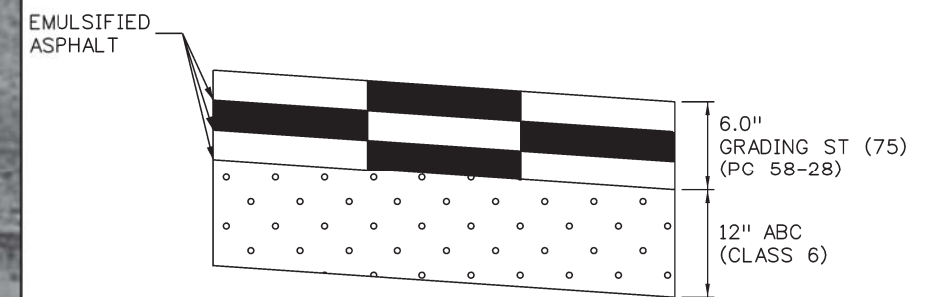


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**NOTES:**

- 1) THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THE EXCAVATION IS PROTECTED. THIS WILL REQUIRE THE CONTRACTOR TO SHORE ANY EXCAVATIONS AT THE DIRECTION OF THE ENGINEER NIGHTLY. THE COST OF THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF WORK.



**ISLAND PAVEMENT SECTION DETAIL**

**JCT US 50/SH 9**

Print Date: 1/24/2017
File Name: 21255DES_RdwyDetail_4.dgn
Horiz. Scale: 1:40      Vert. Scale: N/A

Sheet Revisions		
Date:	Comments	Init.

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Region 2      DW

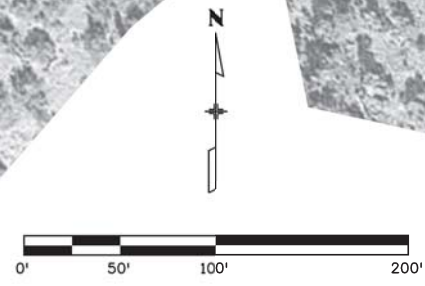
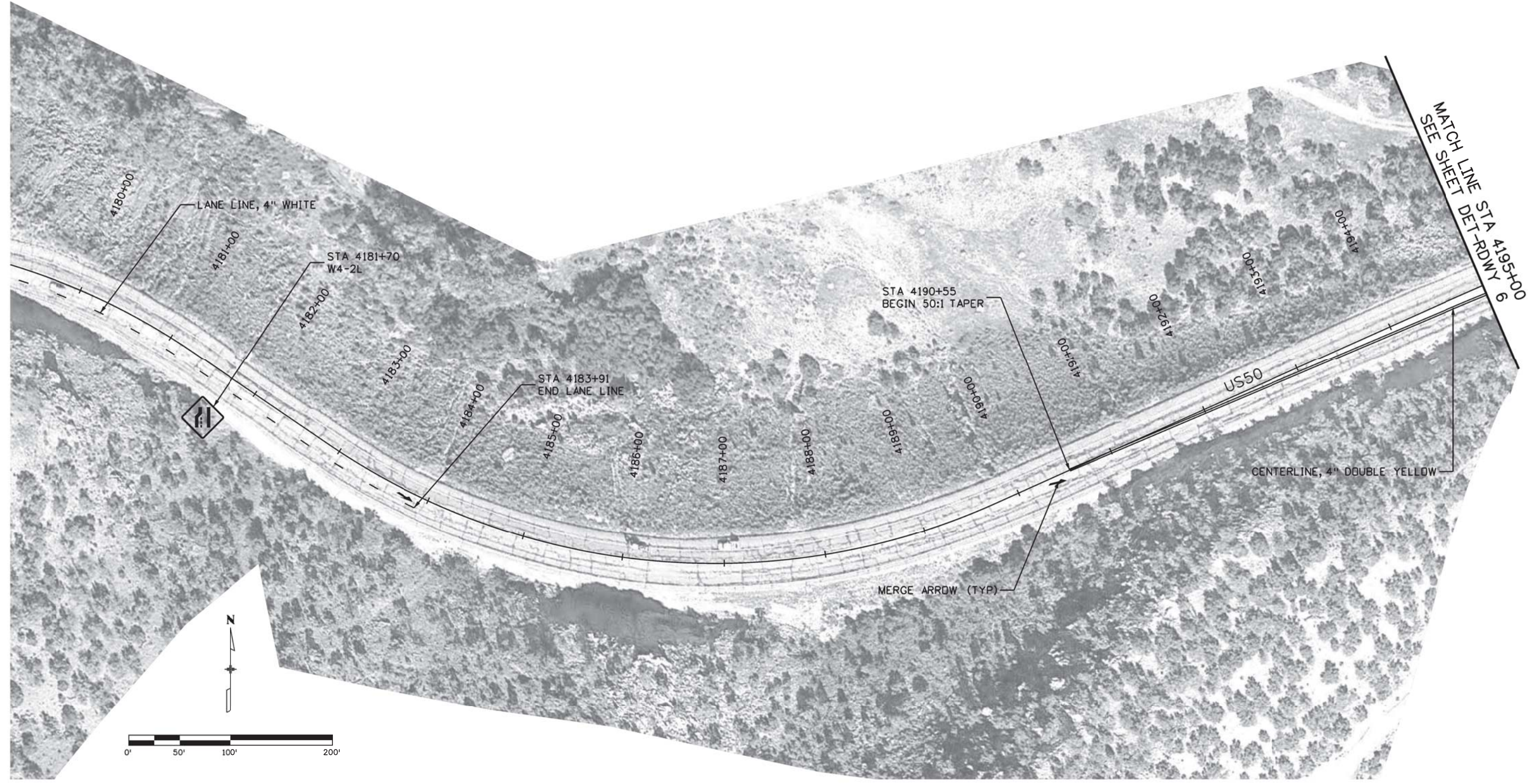
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Designer:	WRS	Structure	
Detailer:	JAB	Numbers	
Subset:	DET-RDWY	Subset Sheets:	4 of 8

Project No./Code
STA 0503-089
21255
Sheet Number 65



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Date:	Comments	Init.

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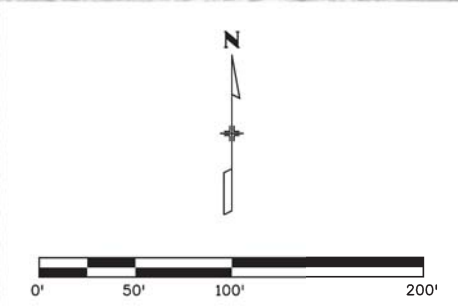
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ROADWAY DETAIL US50 EASTBOUND LEFT TURN			
Designer:	WRS	Structure	
Detailer:	JAB	Number	
Subset:	DET-RDWY	Subset Sheets:	5 of 8

Project No./Code
STA 0503-089
21255
Sheet Number 66



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Sheet Revisions		
Date:	Comments	Init.

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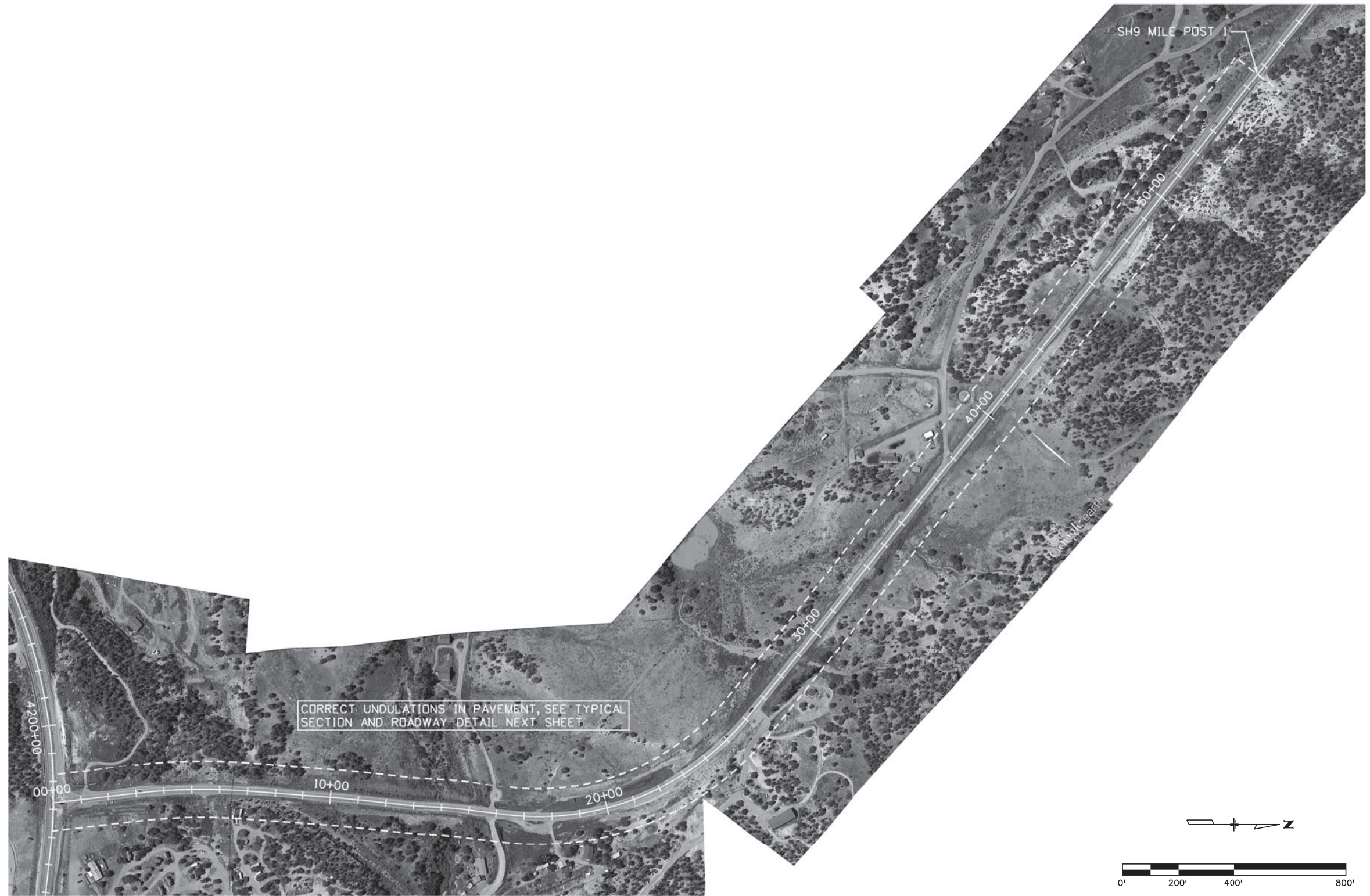
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Detailer:	JAB	Subset Sheets:	6 of 8
Subset:	DET-RDWY		

<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number <b>67</b>



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Region 2      DW

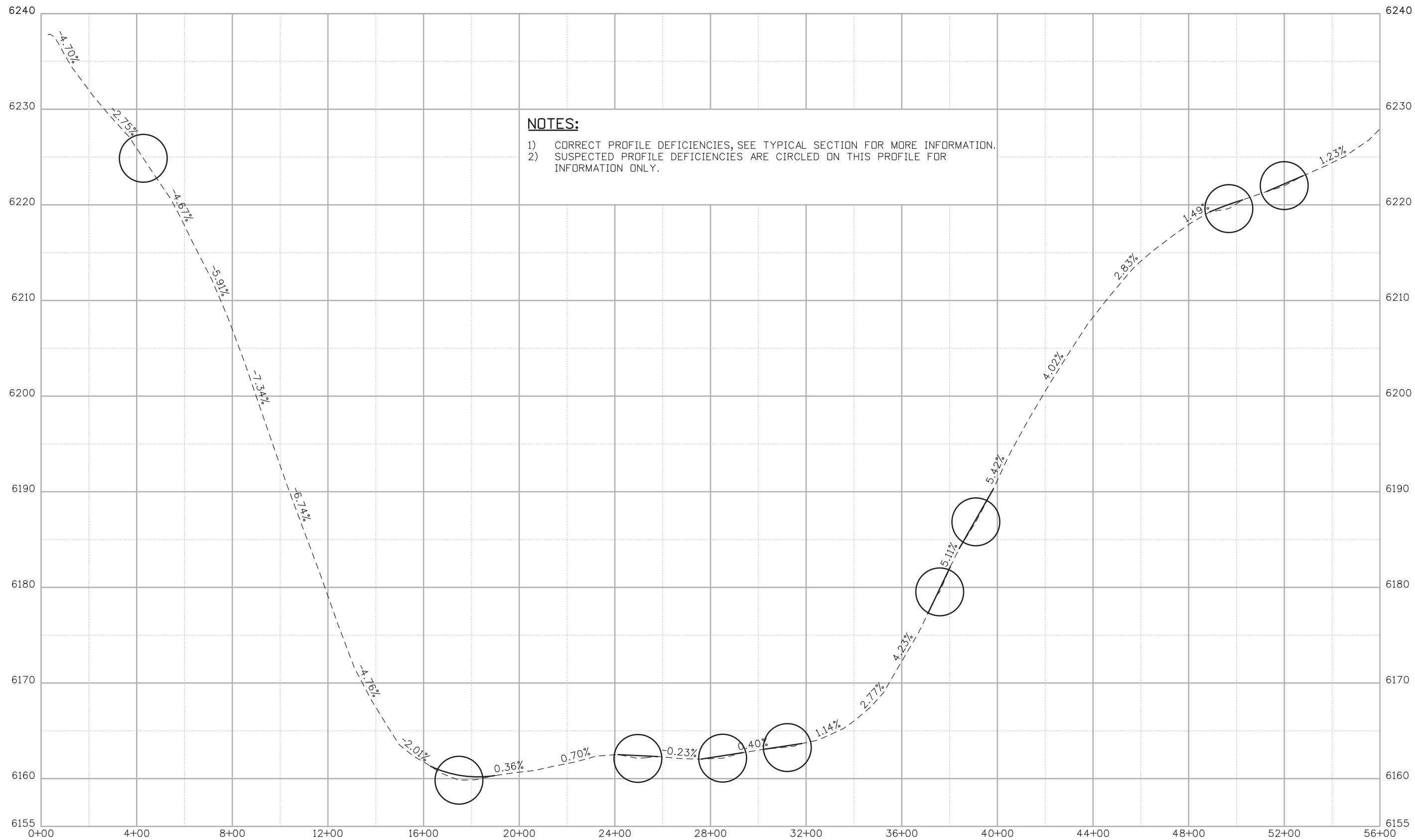
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Revised:
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Designer:	WRS	Structure	
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Subset:	DET-RDWY	Subset Sheets:	7 of 8

Project No./Code
STA 0503-089
21255
Sheet Number 68



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**NOTES:**

- 1) CORRECT PROFILE DEFICIENCIES, SEE TYPICAL SECTION FOR MORE INFORMATION.
- 2) SUSPECTED PROFILE DEFICIENCIES ARE CIRCLED ON THIS PROFILE FOR INFORMATION ONLY.

Print Date: 12/21/2016
File Name: 21255DES_RdwyDetail_8.dgn
Horiz. Scale: 1:400      Vert. Scale: 1:10
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Date:	Comments	Init.

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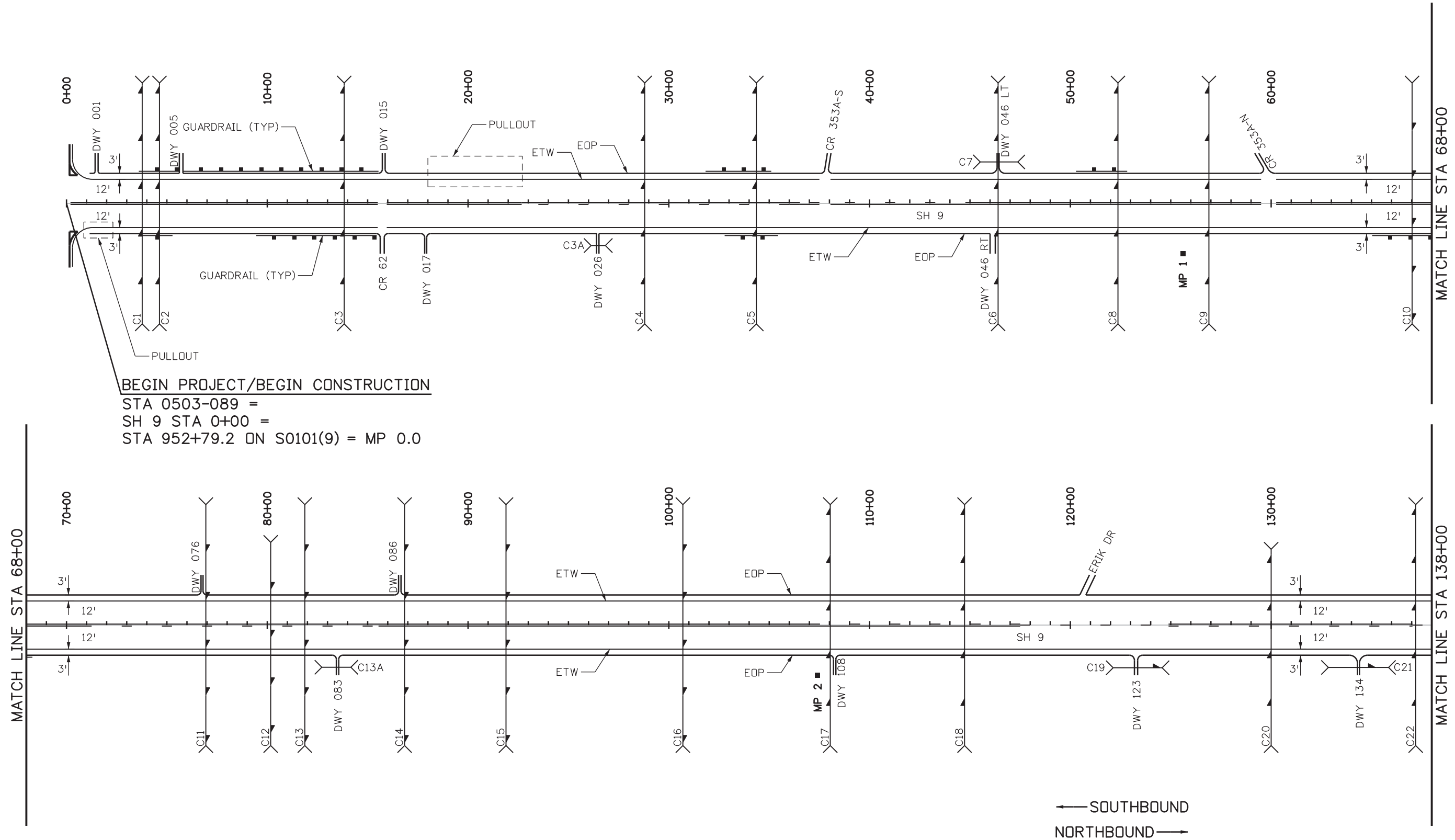
Region 2      DW

<b>As Constructed</b>
No Revisions:
Revised:
Void:

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<b>SH9 MP 0.0 TO MP 1.0</b>			
Designer:	WRS	Structure Numbers	
Detailer:	JAB	Subset Sheets: 8 of 8	
Subset:	DET-RDWY		

<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number 69

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 SH 9 STA 0+00 =  
 STA 952+79.2 ON S0101(9) = MP 0.0

Print Date: 1/24/2017
File Name: 21255DES_Plan1.dgn
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<small>TRANSPORTATION          AECOM Technical Services, Inc.          2315 Blargate Parkway, Suite 150 Colorado Springs, CO 80920          T 719.531.0001      www.aecom.com</small>

Sheet Revisions		
Date:	Comments	Init.

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**Region 2**      DW

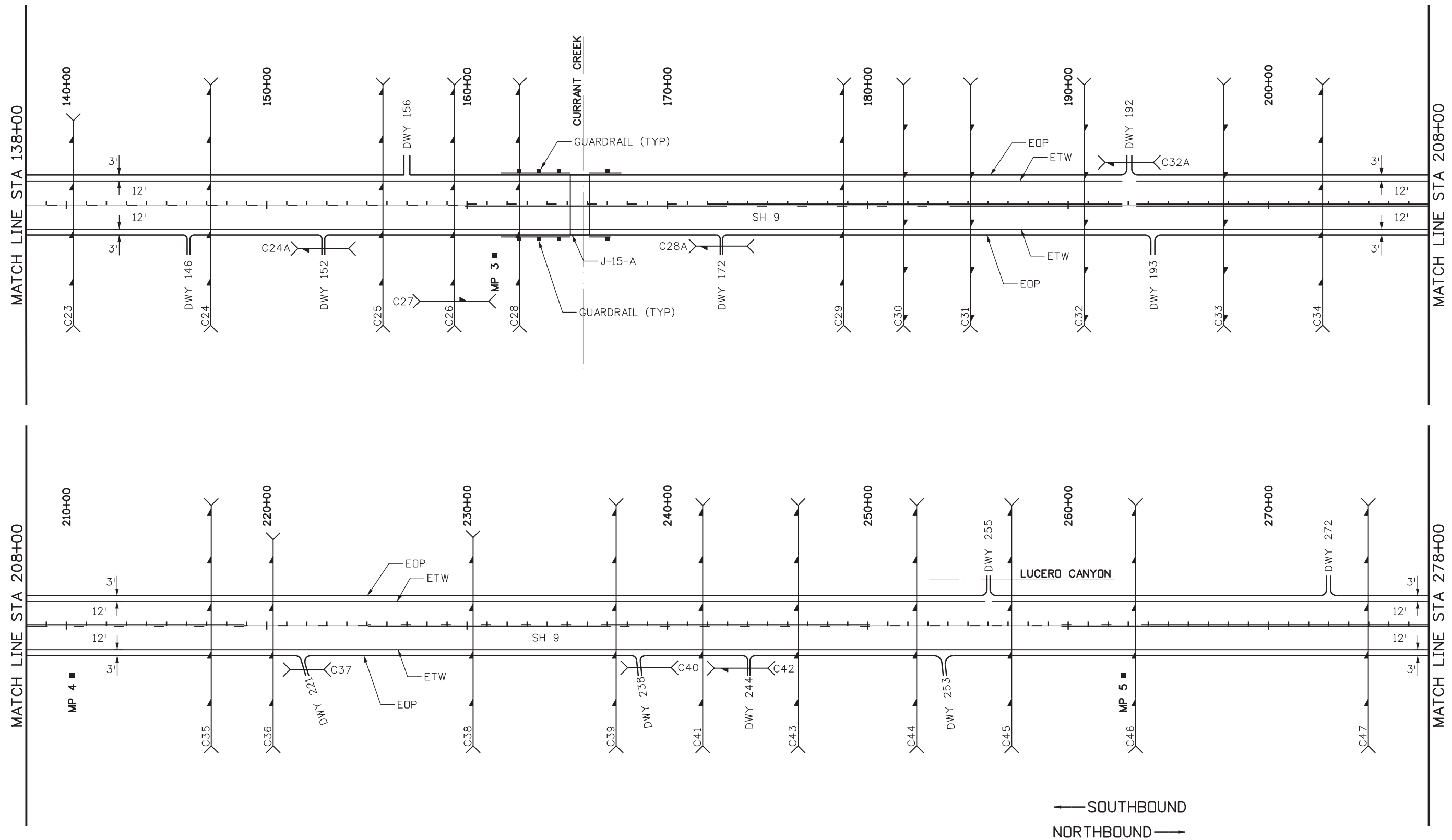
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Detailer: LMB		
Subset: ROADWAY	Subset Sheets: 1 of 11	

<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number 70



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← SOUTHBOUND  
 NORTHBOUND →

Print Date: 12/20/2016
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Sheet Revisions		
Date:	Comments	Init.

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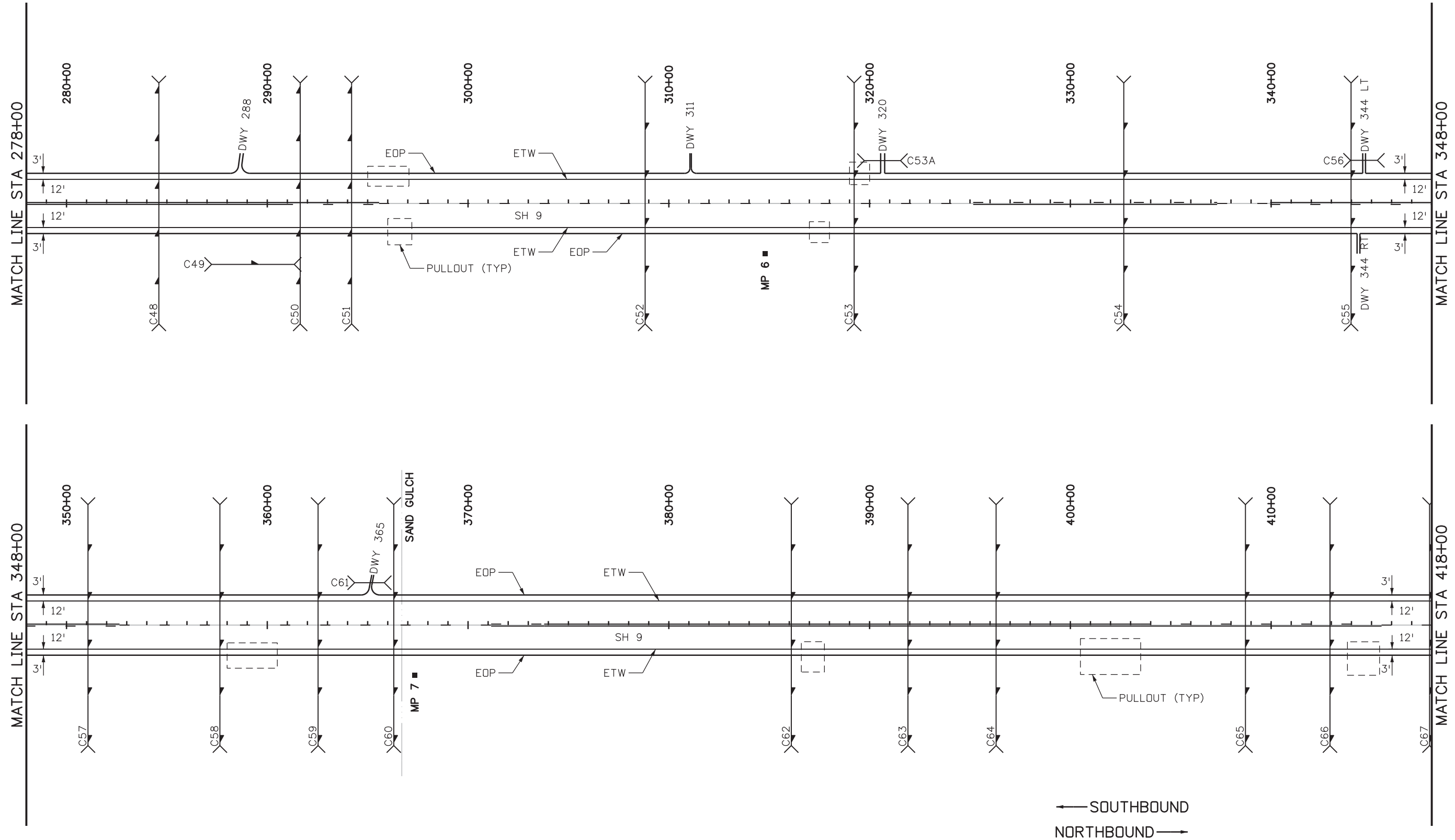
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**Region 2**      DW

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No Revisions:
Revised:
Void:

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Designer: JAB	Structure Numbers	
Detailer: LMB		
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<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number 71

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Print Date: 12/20/2016  
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**AECOM**  
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Date:	Comments	Init.

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**Region 2**    DW

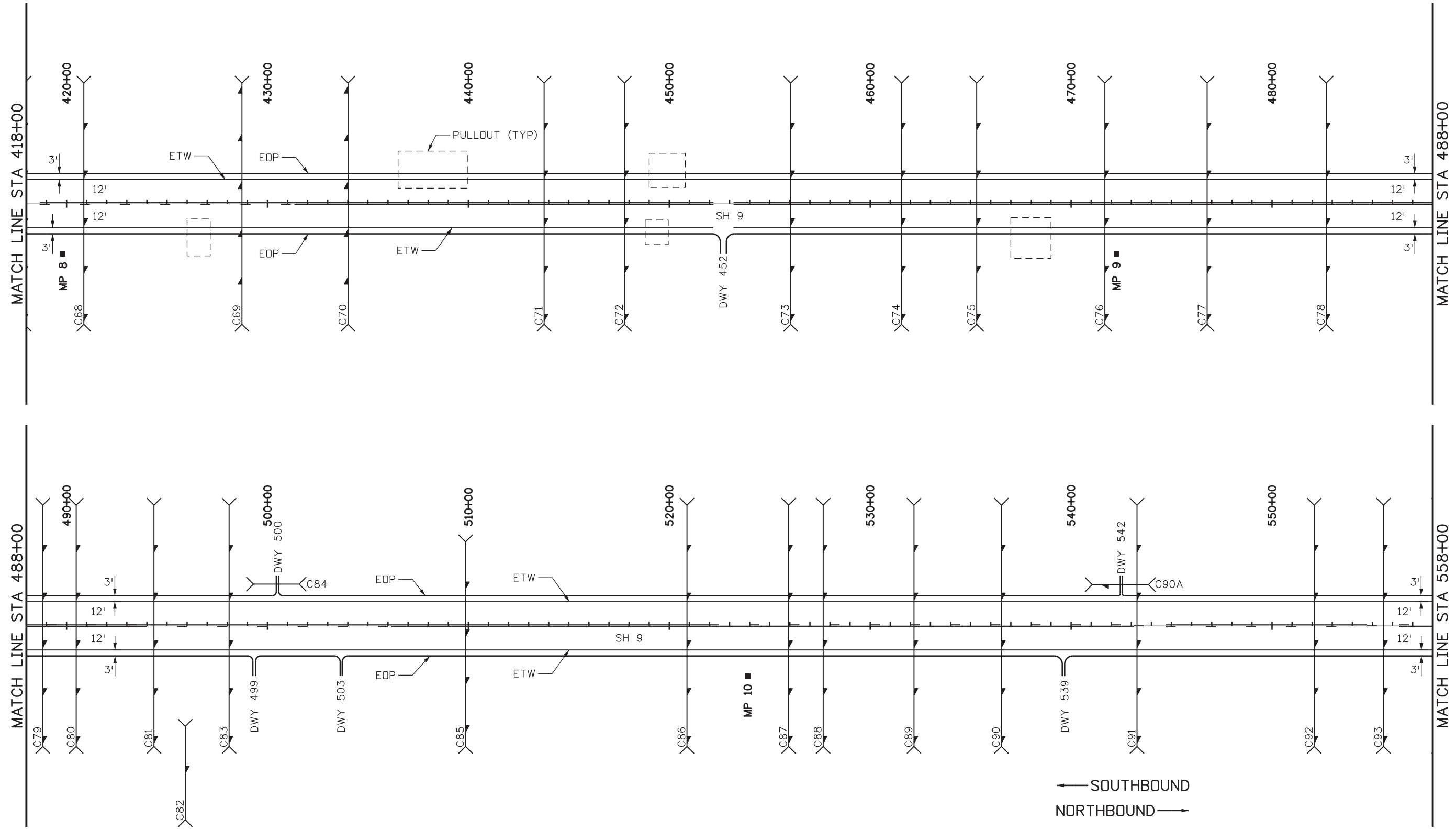
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 Detailer: LMB  
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**Project No./Code**  
 STA 0503-089  
 21255  
 Sheet Number 72



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Sheet Revisions		
Date:	Comments	Init.


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**Region 2**      **DW**

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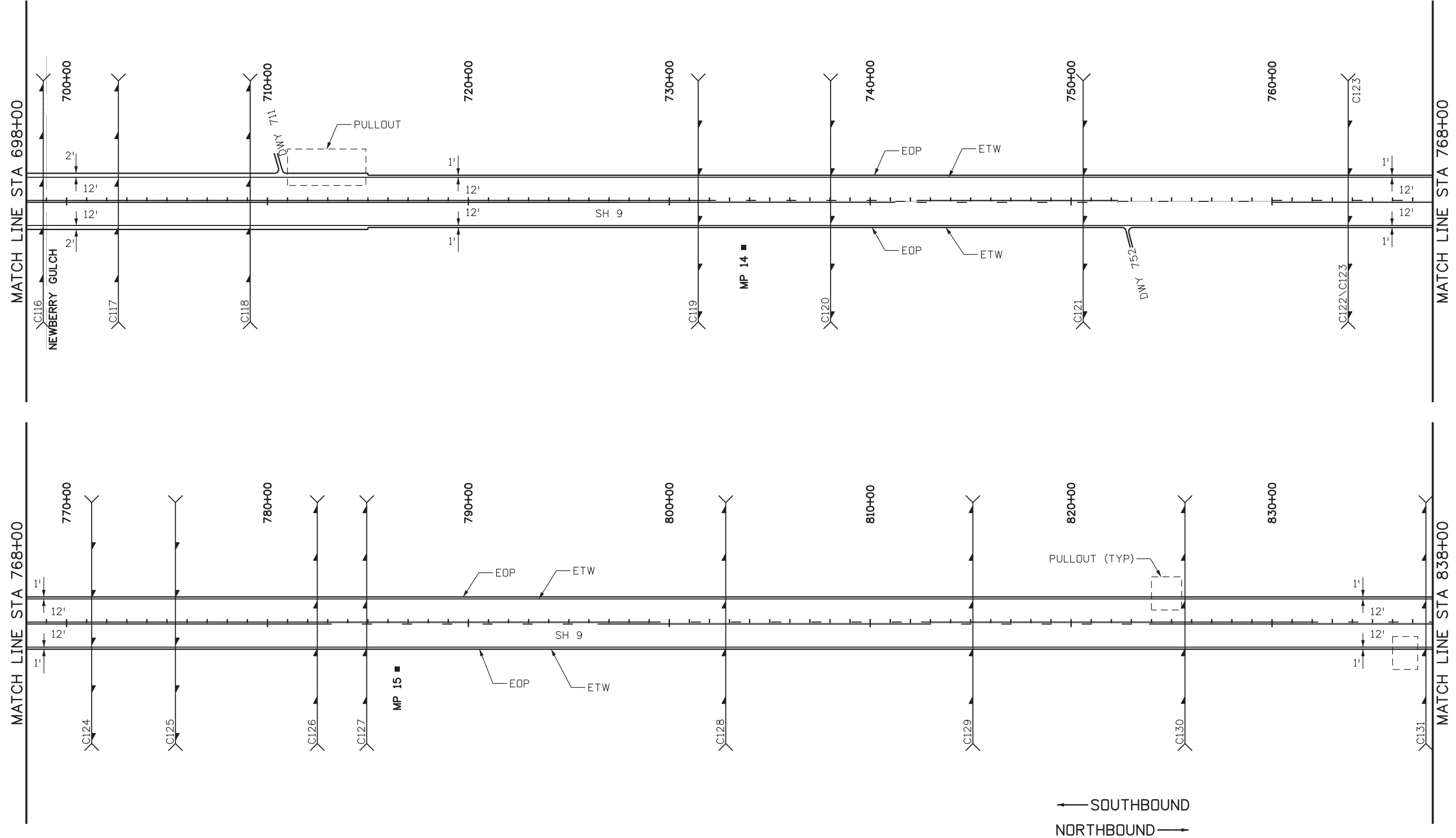
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Designer: JAB	Structure Numbers	
Detailer: LMB		
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<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number <b>73</b>





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Print Date: 12/20/2016
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Date:	Comments	Init.

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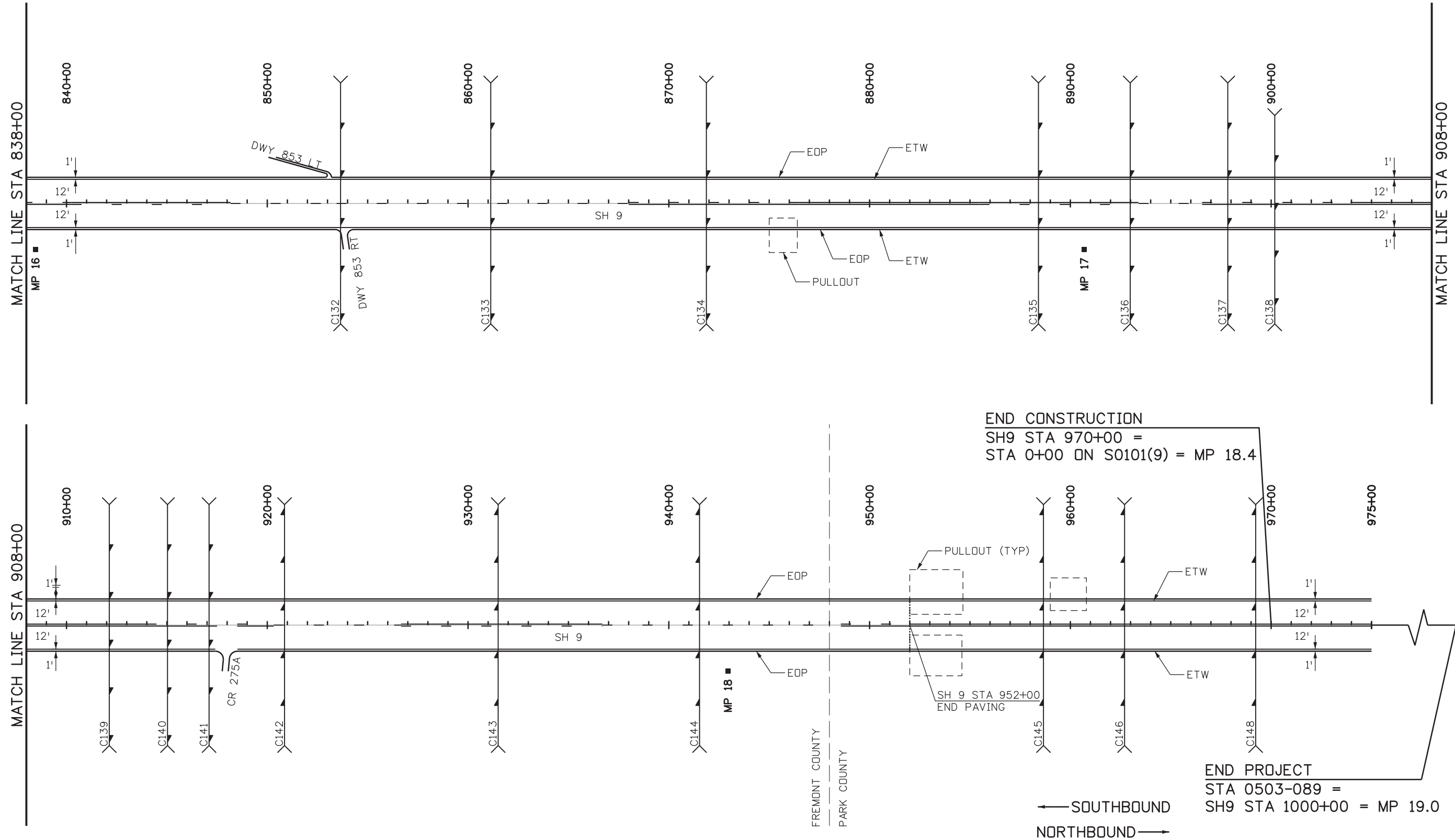
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As Constructed
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Designer: JAB	Structure Numbers	
Detailer: LMB		
Subset: ROADWAY	Subset Sheets: 6 of 11	

Project No./Code
STA 0503-089
21255
Sheet Number 75

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**END CONSTRUCTION**  
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 STA 0+00 ON S0101(9) = MP 18.4

SH 9 STA 952+00  
 END PAVING

**END PROJECT**  
 STA 0503-089 =  
 SH9 STA 1000+00 = MP 19.0

← SOUTHBOUND  
 NORTHBOUND →

Print Date: 1/24/2017
File Name: 21255DES_Plan7.dgn
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Sheet Revisions		
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**Region 2**      DW

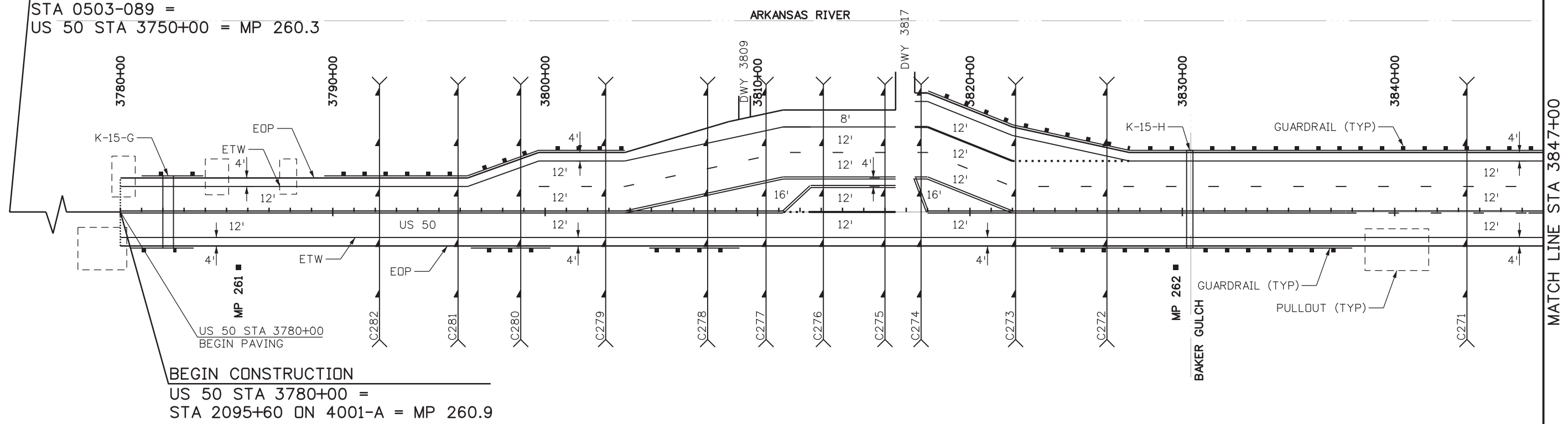
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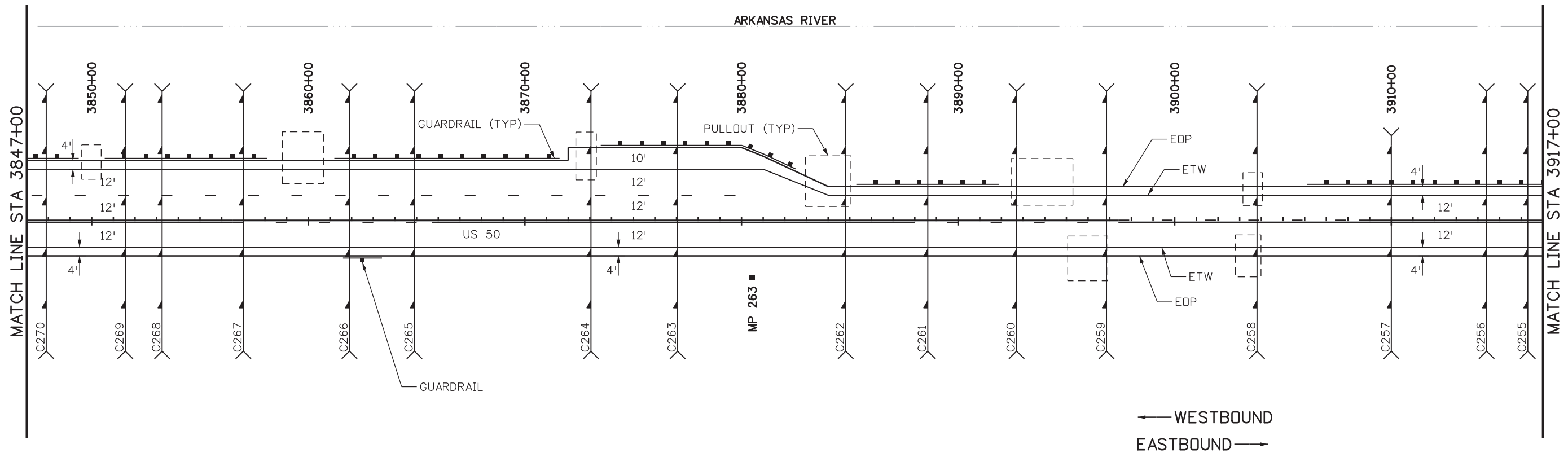
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STA 0503-089
21255
Sheet Number 76



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Sheet Revisions		
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Region 2      DW

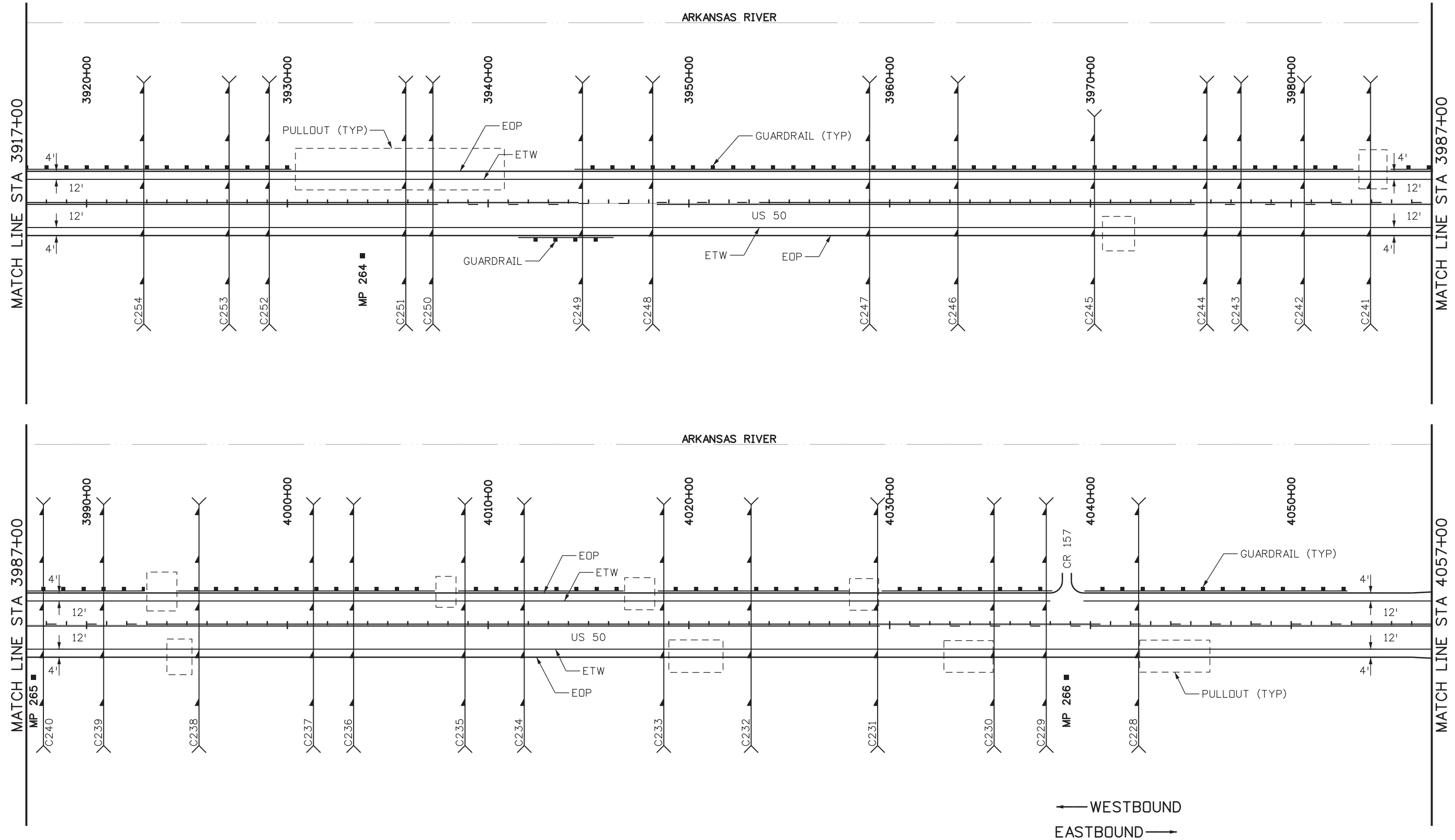
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Designer: JAB	Structure Numbers	
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Project No./Code
STA 0503-089
21255
Sheet Number 77

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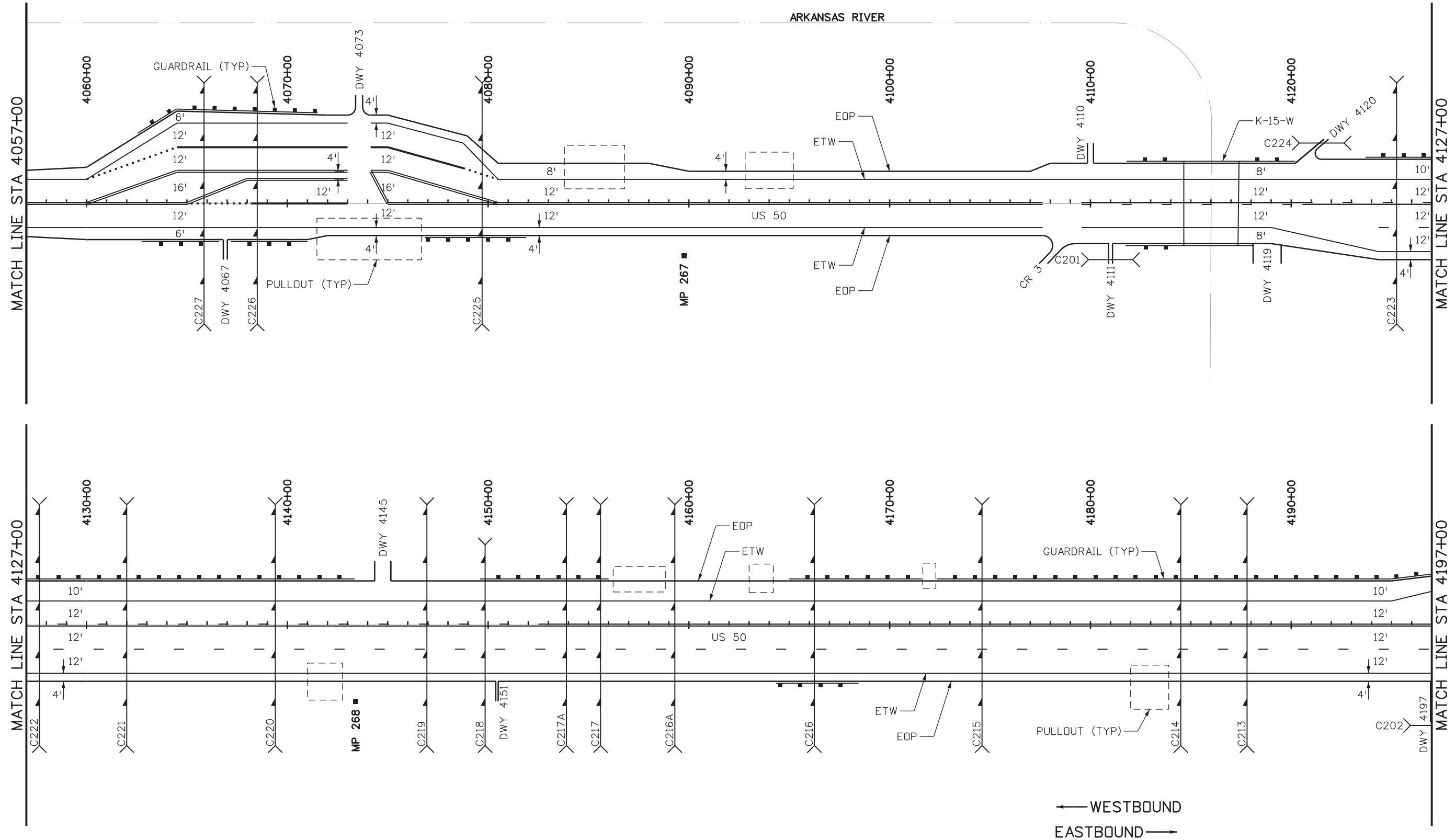
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US 50 ROADWAY PLAN STA 3917+00 TO STA 4057+00			
Designer:	JAB	Structure Numbers	
Detailer:	LMB		
Subset:	ROADWAY	Subset Sheets: 9 of 11	

Project No./Code
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Sheet Number 78



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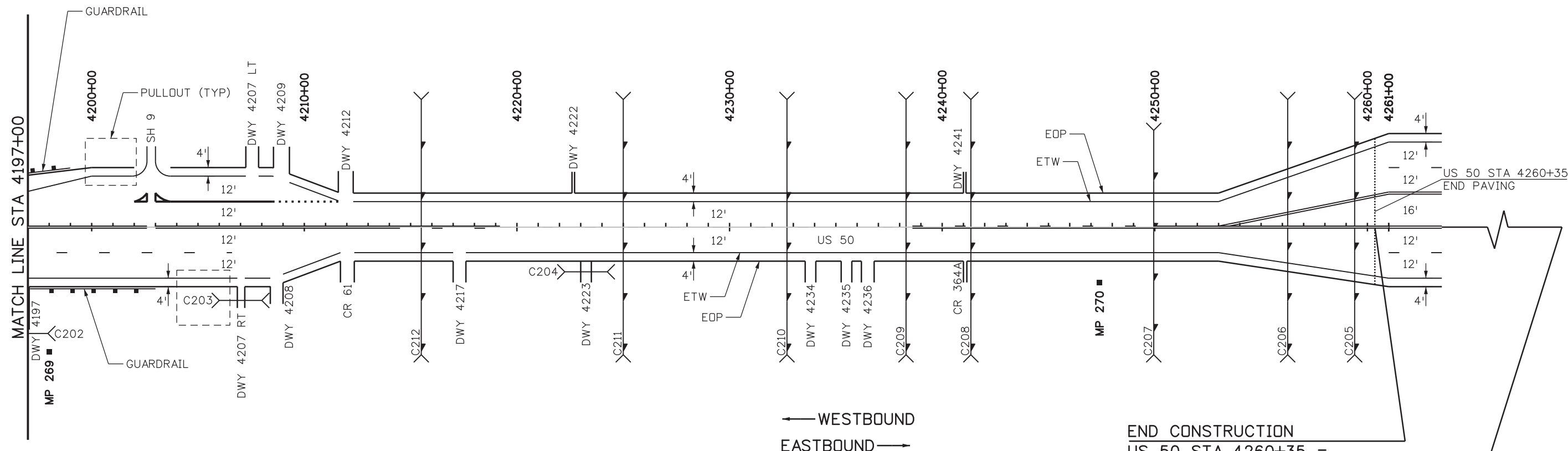
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US 50 ROADWAY PLAN STA 4057+00 TO STA 4197+00		
Designer: JAB	Structure Numbers	
Detailer: LMB		
Subset: ROADWAY	Subset Sheets: 10 of 11	

Project No./Code
STA 0503-089
21255
Sheet Number 79

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END CONSTRUCTION  
 US 50 STA 4260+35 =  
 STA 2585+00 ON 113-H = 270.2

END PROJECT  
 STA 0503-089 =  
 US 50 STA 4291+00 = MP 270.8

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US 50 ROADWAY PLAN STA 4197+00 TO STA 4261+00			
Designer:	JAB	Structure	
Detailer:	LMB	Numbers	
Subset:	ROADWAY	Subset Sheets:	11 of 11

Project No./Code
STA 0503-089
21255
Sheet Number 80



## US HIGHWAY NO. 50 / STATE HIGHWAY NO.9 RESURFACING PROJECT SWMP

### 1. SITE DESCRIPTION

The Contractor shall comply with all CDOT contractual requirements and all requirements associated with the CDPS-SCP on this project. The SWMP Administrator shall update to reflect current project site conditions.

**A. PROJECT SITE LOCATION:**

US Highway 50 from approximately mile marker 261.0 east to mile marker 270.0. State Highway 9 from mile marker 0 (junction with US 50) north to approximately mile marker 18.6.

Construction office address (to be determined by Contractor):

**B. PROJECT SITE DESCRIPTION:**

The project consists of mill and overlay of approximately 28 miles of roadway along US Hwy 50 and State Hwy 9, northwest of Cañon City. US Hwy 50 is an arid region that runs parallel to the Arkansas River. Hwy 9 rises in elevation as the road travels to the north and ultimately settles into the mountainous climate. Drainage within the project area is generally conveyed from east to west into the drainages along the corridor. Construction activities include mill and overlay of asphalt, widening of asphalt to accommodate 5 snowplow turnarounds and shoulders with safety edges, bridge maintenance and rehabilitation for 4 structures (J-15-A, K-15-G, K-15-H, K-15-W), replacement of guardrail, replacement of sign panels, and replacement of delineators. Roadway runoff will be conveyed through existing roadside ditches.

The project area is located within the Foothill Shrublands and Crystalline Mid-Elevation Forests ecoregions as defined by the Environmental Protection Agency (EPA). The area has an average high temperature of 89°F in the summer. The area receives 13.5" annual precipitation with historic rainfall totals of 7.75" between May- September, with a majority of the rainfall occurring in afternoon thunderstorm events dropping an average of 1.55" per event. In winter, the project area experiences 29" of snow. The average lows are 25°F October-March. While the average winter temperatures are below freezing, it is possible that warmer temperatures may lead to snowmelt runoff. The contractor should have BMPs available to address potential runoff. It is anticipated that there will be 345 working days where the ground is not frozen.

**C. PROPOSED SEQUENCING FOR MAJOR CONSTRUCTION ACTIVITIES:**

- BMP installation
- Traffic diversion
- Existing road will be milled
- Guardrail, signage, and delineators will be removed and replaced
- Road shall be resurfaced
- Bridge maintenance and rehabilitation
  - Curb and asphalt mat removal
  - Saw cutting at expansion joints
  - Removal and repair of expansion joints
  - Install waterproof membrane
- Culverts to be cleaned
- Seeding and mulching if areas are disturbed by contractor

**D. ACRES OF DISTURBANCE:**

1. Total area of proposed disturbance (LDA): 2.5 acres
2. Total area of seeding: 0.0 acres
3. Total area of impervious surface: 119 acres
4. Total area of NEW impervious surface: 5.1 acres

**E. EXISTING SOIL DATA:**

The site is mainly composed of Type D rated soils as defined by the Natural Resources Conservation Service Web Soil Survey. Type D soils have a moderately high runoff potential and moderately low infiltration rate. Specifically, the site is composed of Ustic Torriorthents and Boyle very gravelly sandy loam.

**F. EXISTING VEGETATION:**

The construction SWMP Administrator will conduct the Vegetation Transects as outlined in Chapter 4.11.2 of the Erosion Control and Stormwater Quality Guide.

A survey including general description of existing vegetation shall be conducted by the construction SWMP Administrator prior to any ground disturbance on the project. The construction SWMP Administrator shall photo-document existing vegetation where all work will be occurring. The construction SWMP Administrator shall also perform the vegetation survey transect(s) including photo documentation as outlined in Chapter 4.11.2 of CDOT's Erosion Control and Stormwater Quality Guide.

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Print Date: 2/1/2017 File Name: 21255SWMP_Narrative1.dgn Horiz. Scale: 1:1      Vert. Scale: N/A		<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Date:</th> <th style="width: 55%;">Comments</th> <th style="width: 30%;">Init.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Date:	Comments	Init.													Colorado Department of Transportation 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323    FAX: 719-227-3298 <b>Region 2</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>STORMWATER MANAGEMENT PLAN</b> Designer: JSR    Structure Numbers Detailer: JSR Subset: SWMP    Subset Sheets: 1 of 8	<b>Project No./Code</b> STA 0503-089 21255 Sheet Number 81
Date:	Comments	Init.																			
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Pre-Construction Date of survey: \_\_\_\_\_ %Density: \_\_\_\_\_

Description of existing vegetation:

Map or table showing transect locations in SWMP notebook tab 17:

Post-Construction Date of survey: \_\_\_\_\_ %Density: \_\_\_\_\_

Description of existing vegetation:

Date of CDPS-SCP Closure: \_\_\_\_\_

Map or table showing transect locations in SWMP notebook tab 17:

G. POTENTIAL POLLUTANTS SOURCES: See First Construction Activities under Potential Pollutant Sources. The SWMP Administrator shall prepare a list of all potential pollutants and their locations in accordance with subsection 107.25.

H. RECEIVING WATER:

1. Outfall locations: There are 132 outfalls along SH 9 and 79 outfalls along US 50. The locations are included on the project site maps.
2. Names of receiving water(s) on site: Arkansas River, Baker Gulch, Currant Creek, Horsethief Gulch, Lucero Canyon, Newberry Gulch, Sand Gulch, Seymour Gulch, Smith Gulch
3. Ultimate receiving water: Arkansas River
4. Distance nearest water of the state is from project: Arkansas River is adjacent to US 50. The tributaries listed pass under or adjacent to US 50 and SH 9.

I. NON-STORMWATER DISCHARGES:

ALLOWABLE:

1. Groundwater and stormwater dewatering: Discharges to the ground of water from construction dewatering activities may be authorized provided that:
  - a. The source is groundwater and/or groundwater combined with stormwater that does not contain pollutants.
  - b. The source and BMPs/Control Measures are identified in the SWMP.
  - c. Discharges do not leave the site as surface runoff or to surface waters.
  - d. The contractor shall protect all work areas and facilities from water at all times. Areas and facilities subject to flooding, regardless of the source of water, shall be promptly dewatered and restored at no cost to the owner. This shall include removal of any debris caused by flooding. Any dewatering shall be done in accordance with Subsection 107.25.

CONTAMINATED:



1. If discharges do not meet the above criteria a separate CDPS permit shall be obtained by the Contractor from the CDPHE.

**2. SITE MAP COMPONENTS:**

Pre-construction

- A. PROJECT CONSTRUCTION POTENTIAL SITE BOUNDARIES  
US Highway 50 from approximately mile marker 261.0 east to mile marker 270.0. State Highway 9 from mile marker 0 (junction with US 50) north to approximately mile marker 18.6.
- B. ALL AREAS OF GROUND SURFACE DISTURBANCE  
Existing pullout areas may be disturbed as part of construction staging. Appropriate BMPs will be installed to minimize impact to pullout areas. Silt fence to be installed separating pullout area from nearby drainage prior to any staging.
- C. AREAS OF CUT AND FILL  
There will be no cut and fill as part of this project.
- D. LOCATION OF ALL STRUCTURAL BMPs/CONTROL MEASURES IDENTIFIED IN THE SWMP  
Any hydraulic structures that are disturbed by the contraction will require BMP placement. This includes culverts and inlets adjacent to the roadway, and any structure that does not have established vegetation between the structure and edge of road.
- E. LOCATION OF NON-STRUCTURAL BMPs/CONTROL MEASURES AS APPLICABLE IN THE SWMP  
No seeding is anticipated as part of this project.
- F. SPRINGS, STREAMS, WETLANDS AND OTHER SURFACE WATER  
Arkansas River, Baker Gulch, Currant Creek, Horsethief Gulch, Lucero Canyon, Newberry Gulch, Sand Gulch, Seymour Gulch, Smith Gulch

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A. PROTECTION OF TREES, SHRUBS, CULTURAL RESOURCES AND MATURE VEGETATION

No trees will be disturbed as part of this project.

B. AREAS USED FOR STORING AND STOCKPILING OF MATERIALS, STAGING AREAS (field trailer, fueling, etc.) and BATCH PLANTS

Contractor to determine.

**3. SWMP ADMINISTRATOR:**

A. SWMP ADMINISTRATOR FOR DESIGN:

Name/Title	Contact Information
Joseph S. Roerkohl, PE, CFM Senior Water Resources Engineer	719-531-0001 Joseph.roerkohl@aecom.com  AECOM 2315 Briargate Parkway, Suite 150 Colorado Springs, CO 80920

B. SWMP ADMINISTRATOR FOR CONSTRUCTION: (As defined in Subsection 208) The Contractor shall designate a SWMP Administrator for Construction upon ownership of the SWMP. The SWMP Administrator shall become the owner/operator and assume responsibility for all design changes to the SWMP implementation and maintenance in accordance to 208.03. The SWMP Administrator shall be responsible for implementing, maintaining and revising SWMP, including the title and contact information. The activities and responsibilities of the SWMP administrator shall address all aspects of the projects SWMP. (Update the information below for each new SWMP Administrator) (Copy of TECS Certification must also be included in the SWMP Notebook.)

Name/Title	Contact Information	Certification #	Start Date

C. EROSION CONTROL INSPECTOR: (As defined in Subsection 208) The Contractor may designate an Erosion Control Inspector. The Erosion Control Inspector shall complete duties in accordance with subsection 208.03 (c) (Copy of TECS Certification must also be included in the SWMP Notebook.)

Name/Title	Contact Information	Certification #	Start Date

**4. STORMWATER MANAGEMENT CONTROLS FIRST CONSTRUCTION ACTIVITIES**

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:

A. POTENTIAL POLLUTANT SOURCES

- Sediment accumulation from guardrail and sign replacement.
- Equipment maintenance and fueling activities
- Paving activities

B. OFFSITE DRAINAGE (RUN ON WATER)

1. Describe and record BMPs/Control Measures on the SWMP site map that have been implemented to address off site run-on water in accordance with subsection 208.03.

C. VEHICLE TRACKING PAD/VEHICLE TRACKING CONTROL

1. BMPs/Control Measures shall be implemented in accordance with subsection 208.04.

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Date:	Comments	Init.																
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**D. PERIMETER CONTROL**

1. Perimeter control shall be established as the first item on the SWMP to prevent the potential for pollutants leaving the construction site boundaries, entering the stormwater drainage system, or discharging to state waters.
2. Perimeter control may consist of vegetation buffers, berms, silt fence, erosion logs, existing landforms, or other BMPs/Control Measures as approved.
3. Perimeter control shall be in accordance with subsection 208.04

**5. DURING CONSTRUCTION**

**RESPONSIBILITIES OF THE SWMP ADMINISTRATOR DURING CONSTRUCTION**

The SWMP should be considered a "living document" that is continuously reviewed and modified. During construction, the following items shall be added, updated, or amended as needed by the SWMP Administrator in accordance with subsection 208.

During construction, indicate how items that have not been addressed during design are being handled in construction. If items are covered in the template or other sections of the SWMP notebook indicate below what section the discussion takes place.

- A. **STOCKPILE MANAGEMENT:** Shall be done in accordance with subsection 107.25 and 208.07
- B. **CONCRETE WASHOUT:** Concrete wash out water or waste from field laboratories and paving equipment shall be contained in accordance with subsection 208.05.
- C. **SAW CUTTING:** Shall be done in accordance with subsection 107.25, 208.04, 208.05 Saw cutting will occur on structures K-15-G, K-15-H, and K-15-W. Use capture and collect techniques for slurry.
- D. **STREET SWEEPING:** Shall be done in accordance with subsection 208.04

**6. INSPECTIONS**

- A. Inspections shall be in accordance with subsection 208.03 (c).

**7. BMP/CONTROL MEASURE MAINTENANCE**

- A. Maintenance shall be in accordance with subsection 208.04 (f).

**8. RECORD KEEPING**

- A. Records shall be kept in accordance with subsection 208.03 (d).

**9. INTERIM AND PERMANENT STABILIZATON**


**A. SEEDING PLAN**

It is anticipated that no seeding will be required as part of this project due to the nature of the work being performed. In the event that seeding is required, the following types and rates shall be used:

COMMON NAME	BOTANICAL NAME	LBS. PLS PER ACRE
Blue grama	Bouteloua gracilis v. Hachita	2.0
Western wheatgrass	Pascopyrum smithii v arriba	6.0
Sideoats grama	Bouteloua curtipendula v. Vaughn	3.0
Little bluestem	Schizachyrium scoparium 'Pastura'	3.0
Green needlegrass	Stipa viridula v. Lordom	3.0
Buffalo grass	Bouteloua dactyloides 'Plains'	4.0
Junegrass	Koeleria macrantha	0.2
Prairie coneflower	Ratibida columnifera	0.3
Blue Flax	Linum lewisii	0.5
Gaillardia	Gaillardia aristata	1.0
Oats	Avena sativa	3.0
<b>TOTAL</b>		<b>26.0</b>

- B. **SEEDING APPLICATION:** Drill seed 0.25 inch to 0.5 inch into the soil. In small areas not accessible to a drill, hand broadcast at double the rate and rake 0.25 inch to 0.5 inch into the soil per subsection 212.

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C. **MULCHING APPLICATION:** Apply a minimum of 2 tons of certified weed free hay or 2 1/2 tons of certified weed free straw per acre and in accordance with Section 213, and mechanically crimp it into the soil in combination with an organic mulch tackifier.

1. Prior to winter shutdown or the summer seeding window closure: Uncompleted slopes shall be mulched with 2 tons of mulching (weed free) per acre, mechanically crimped into the topsoil in combination with an organic mulch tackifier per subsections 208 and 213.

D. **SPECIAL REQUIREMENTS:**

1. Due to high failure rates, hydroseeding will not be allowed for permanent stabilization.

E. **SOIL CONDITIONING AND FERTILIZER REQUIREMENTS:** Minimum requirements for all disturbances to receive seeding (native).

Soil conditioner paid for as Item 212- Soil Conditioning (Acre)		
Biological nutrient organic based fertilizer (lbs/acre)*	Humate (lbs/acre)	Compost (cys/acre <b>All areas &lt;2:1</b> [1/2 inch depth])
300	200	65

\*Biological nutrient shall not exceed 8-8-8 (N-P-K).  
Humate based material shall be in accordance to Standard Special Provision 212 and compost shall be in accordance to Standard Special Provision 212.

F. **SOIL RETENTION COVERING:** On slopes and ditches requiring a blanket or turf reinforcement mat (trm), the blanket/trm shall be placed in lieu of mulch and mulch tackifier and placed after seeding (native). See SWMP site map for blanket/trm locations.

G. **RESEEDING OPERATIONS/CORRECTIVE STABILIZATION**

Prior to partial acceptance.

1. All seeded areas shall be reviewed during the 14 day inspections by the SWMP Administrator and or Erosion Control Inspector for bare soils caused by surface or wind erosion. Bare areas caused by surface or gully erosion, blown away mulch, etc. shall be re-graded, seeded, and have the designated mulching applied as necessary, at no additional cost to the project.
2. The Contractor shall maintain seeding/mulch/tackifier/blanket/TRM, mow to control weeds or apply herbicide to control weeds in the seeded areas until Partial Acceptance of the stormwater construction work.

### 10. PRIOR TO PROJECT FINAL ACCEPTANCE

- A. Partial Acceptance shall be in accordance with subsection 107.25 (d), 208.10 and 214.04 at the Partial Acceptance of the project, it shall be determined by the SWMP Administrator and the Engineer which temporary BMPs/Control Measures shall remain until 70% revegetation is established or which shall be removed.
- B. At the end of the project, all ditch checks shall either consist of temporary erosion logs (or equivalent) or permanent rip-rap.
- C. All storm drains shall be cleaned prior to the Final Acceptance of the project. Work shall be included in 203 Clean Culvert.

### 11. NARRATIVES:

A. **ADDITIONAL BMPs/CONTROL MEASURES AND NARRATIVES:**

BMP/Control Measure details and narratives not covered by the SWMP or CDOT Standard Plan M-208, M-216 shall be added to the SWMP notebook by the SWMP Administrator.

**STRUCTURAL BMPs/Control Measures** that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:

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File Name: 21255SWMP_Narrative5.dgn		Date:	Comments	Init.		No Revisions:			STA 0503-089		
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APPLICATION. BMP/CONTROL MEASURE	NARRATIVE	CDOT M-STANDARD	BMP/CONTROL MEASURE AS DESIGNED	IN USE ON SITE	BMP/CONTROL MEASURE TO BE LOCATED BY SWMP ADMINISTRATOR	INSTALLATION BMP/CONTROL MEASURE PRE-CONSTRUCTION	BMP/CONTROL MEASURE PHASING		
							FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	FINAL STABILIZATION
PROTECTION OF EXISTING WETLANDS <i>Fence (plastic) and erosion logs</i>	Fence (plastic) shall be placed in combination with erosion logs to prevent encroachment of construction traffic and sediment into state waters prior to start of construction disturbances. Fence (plastic) shall be placed adjacent to the wetlands; erosion logs shall be placed between the plastic fence and disturbance area. Logs shall be placed to direct flows away from or filter water running into wetlands from disturbance areas.	N/A							
CHECK DAM/DITCH CHECK <i>Erosion log, silt berm, silt dike, rock check dam</i>	Placed in ditches immediately upon completion of ditch grading to reduce velocity of runoff in ditch. For existing ditches, place prior to start of construction disturbances.	M-208					C	C	
CULVERT INLET/OUTLET PROTECTION <i>Erosion logs, aggregate bags</i>	Placed at mouth of culvert inlets and over top of culvert at inlet and outlet where disturbance may be occurring adjacent to pipe to prevent sediment laden water from entering pipe or drainage. Place prior to start of construction disturbances.	M-208					C	C	C
TYPE C, TYPE D AND TYPE 13 PROTECTION <i>Erosion logs, aggregate bags, erosion bales</i>	Placed around inlet grate or slope and ditch paving to prevent sediment from entering inlet. Place prior to start of construction disturbances.	M-208					C	C	
STOCKPILE PROTECTION <i>Temporary berm, erosion logs, aggregate bags*</i>	Placed within specified distance, in accordance with subsection 208.06, from toe to contain sediment around stockpile. *Aggregate bags are easily moved and replaced for access during the work day. Place prior to start of stock pile, increase control as stock pile increases size.	M-208						C	
TOE OF FILL PROTECTION <i>Erosion logs, temporary berm, silt fence, topsoil windrow*</i>	Place prior to slope/embankment work to capture sediment and protect and delineate undisturbed areas. *Can be used to stockpile topsoil for salvage.	M-208							
PERIMETER CONTROL <i>Erosion logs, silt fence, temporary berm, topsoil windrow*</i>	Placed prior to construction commencing to address potential run-on water from off site, and to divert around disturbed area. *Can be used to stockpile topsoil for salvage.	M-208					C	C	
SEDIMENT CONTROL/ SLOPE CONTROL <i>Silt fence, erosion logs</i>	Placed on the contour of a slope to contain and slow down construction runoff. Place prior to start of construction disturbances.	M-208							
OUTLET PROTECTION <i>Riprap, or approved other</i>	Material placed as energy dissipater to prevent erosion at outlet structure.	N/A							
CONCRETE WASHOUT <i>In-ground or fabricated</i>	Construction control, used for waste management of concrete and concrete equipment cleaning. Place prior to start of concrete activities.	M-208					X	X	
VEHICLE TRACKING PAD	Source control, placed to prevent tracking of sediment from disturbed area to offsite surface. Place prior to start of construction disturbances.	M-208							
SWEEPING	Source control, used to remove sediment tracked onto paved surfaces and to prevent sediment from entering drainage system. Sweep daily and at the end of the construction shift as needed. Kick brooms shall not be permitted.	N/A					X	X	

C – Use of BMP to be determined by Contractor.


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File Name: 21255SWMP_Narrative6.dgn							Revised:					Designer: JSR    Structure Numbers	
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**NON-STRUCTURAL BMPs/Control Measures** that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:  
 Erosion control devices are used to limit the amount of soil loss on site  
 Sediment control devices are designed to capture sediment on the project site.  
 Construction controls are BMPs/Control Measures related to construction access and staging.  
 BMP/Control Measure locations are indicated on the SWMP site map.

APPLICATION, BMP/CONTROL MEASURE	NARRATIVE	M-STANDARD	BMP/CONTROL MEASURE AS DESIGNED	IN USE ON SITE	BMP/CONTROL MEASURE TO BE LOCATED BY SWMP ADMINISTRATOR	INSTALLATION BMP/CONTROL MEASURE PRE-CONSTRUCTION	BMP/CONTROL MEASURE PHASING		
							FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	FINAL STABILIZATION
TOPSOIL MANAGEMENT STOCKPILE/SALVAGE <i>Windrow or stockpile</i>	Prior to embankment work commencing, existing topsoil shall be scraped to a depth of 4 inches, and placed in stockpiles or windrows. Upon completion of slope work/final grading (less 4 inches), topsoil shall be evenly distributed over embankment to a depth of 4 inches.	N/A							
SURFACE ROUGHENING / GRADING TECHNIQUES <i>Blading, Backhoe, Dozing, Combination Loader</i>	Temporary stabilization of disturbance and to minimize wind and erosion.	N/A							
SEEDING (TEMPORARY)	Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.	N/A							
MULCH/MULCH TACKIFIER	Temporary or Final Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as temporary surface cover when work is temporarily halted and as approved by the Engineer	N/A							
SEEDING PERMANENT (NATIVE)	Final Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.	N/A							
SOIL RETENTION BLANKET (SRB)	Final Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.	M-216							

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As Constructed	STORMWATER MANAGEMENT PLAN	
No Revisions:	Designer: JSR	Structure Numbers
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Void:	Subset: SWMP	Subset Sheets: 7 of 8

Project No./Code
STA 0503-089
21255
Sheet Number 87

**12. TABULATION OF STORMWATER QUANTITIES**

- A. BMP/Control Measure sediment removal and disposal shall be paid for as: 208 Removal and Disposal of Sediment (Equipment) and 208 Removal and Disposal of Sediment (Labor). All other BMP/Control Measure maintenance shall be included in the cost of the BMP/Control Measure.
- B. It is estimated that labor, blading, dozing, combination loader and/or backhoe may be required for miscellaneous erosion control work as directed by the Engineer. Work shall not be paid for separately but shall be included in the cost of BMP installation.
- C. Establishment of seeded areas shall be paid for as: 212 Seeding (native). This shall include mowing, weed control, reseeding/mulch/tackifier.

Item List	Item Description	Pay Unit	Initial Const.	Interim Const.	Permanent Stabilization	*Total Quantity
203-01622	Sweeping (With Pickup Broom)	Hour		64	32	96
208-00002	Erosion Log Type 1 (12 Inch)	LF	100	100		200
208-00020	Silt Fence	LF	200			200
208-00045	Concrete Washout Structure	Each		6		6
208-00053	Storm Drain Inlet Protection (Type 1)	Each	5	5		10
208-00070	Vehicle Tracking Pad	Each	2			2
208-00103	Removal and Disposal of Sediment (Labor)	Hour	100	100		200
208-00105	Removal and Disposal of Sediment (Equipment)	Hour	40	40		80
208-00106	Sweeping (Sediment Removal)	Hour		96	48	144
208-00107	Removal of Trash	HR	10	10		20
208-00207	Erosion Control Management	Day		75	75	150
607-11525	Fence (Plastic)	LF	200			200

\*It is anticipated that additional BMPs/Control Measures and BMP/Control Measure quantities not shown on the SWMP Site Maps shall be required on the project for unforeseen conditions and replacement of items that are beyond their useful service life. **Quantities for all BMPs/Control Measures shown above are estimated, and do not include increased quantities to account for unforeseen project conditions.** Quantities shall be adjusted according to the conditions encountered in the field as directed and approved by the Engineer. Payment shall be for the actual work completed and material used.



**13. BIOLOGIC IMPACTS**

- A. ENVIRONMENTAL IMPACTS:
  - 1. Wetland Impacts: YES NO
  - 2. Stream Impacts: YES NO
  - 3. Threatened and Endangered Species: No species are anticipated to be impacted by the project.

**14. NOTES**

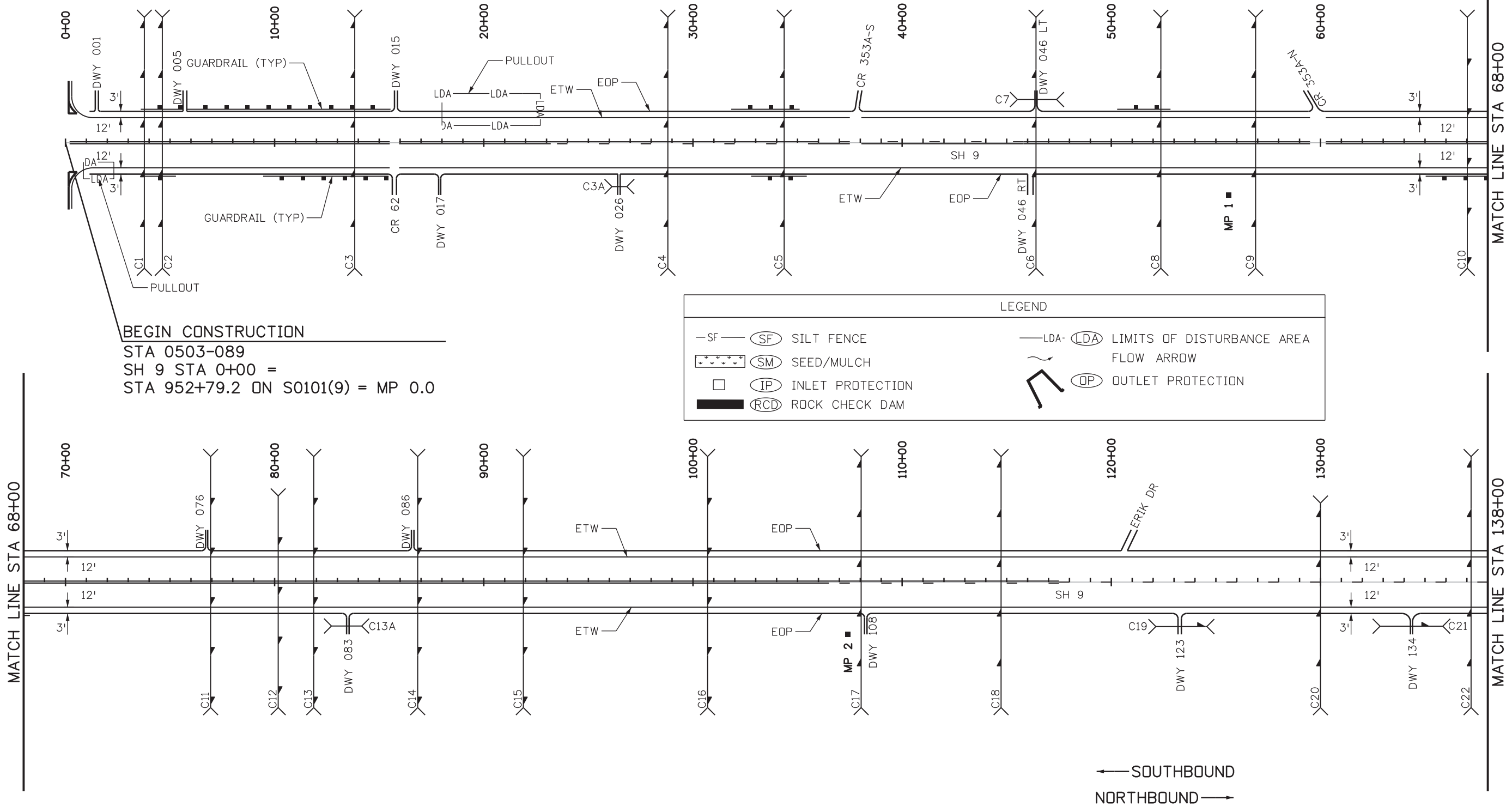
- A. Sediment (mud and dirt), construction debris, and trash transported onto a public road, regardless of the size of the site, shall be cleaned immediately. Paved surfaces which are adjacent to the construction site must be swept as often as needed throughout the day to keep adjacent streets clean when sediment and other materials are tracked and discharged onto them. Either sweeping by hand or use of a street sweeper is acceptable. Spoils from guardrail work shall not be broadcast off the roadway surface, but shall be disposed of properly.
- B. Soil erosion control measures for any disturbed land area shall be completed within twenty-one (21) calendar days after final earth disturbance has been completed. Disturbed areas and stockpiles which are not at final grade but will remain dormant for longer than thirty (30) days shall also be mulched within twenty-one (21) days after interim grading. An area that is going to remain in an interim state for more than sixty (60) days shall also be seeded. All temporary soil erosion control measures and BMP's shall be maintained until permanent soil erosion control measures are implemented.
- C. Material from pavement saw cutting operations shall be cleaned from the roadway surface during operations using a vacuum on a daily basis. A BMP such as a berm shall be placed to contain slurry from joint flushing operations until the residue can be removed from the soil surface. Concrete wash water shall not be discharged to or allowed to runoff to State Waters, including any storm drainage system or facilities. Concrete washout locations to be determined by contractor.
- D. Location of stabilized staging areas and stockpile areas will be determined during construction and will be placed by the contractor with approval in the field by the inspector.
- E. Storm Drain Inlet Protection shall also include bridge drains.
- F. All wetlands shall be protected by placement of plastic fence.

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File Name: 21255SWMP_Narrative8.dgn		Date:      Comments      Init.	 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298	No Revisions:		STA 0503-089
Horiz. Scale: 1:1      Vert. Scale: N/A	0000		<b>Region 2</b>	Revised:	Designer: JSR      Structure Numbers	21255
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 STA 952+79.2 ON S0101(9) = MP 0.0

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***	(SM) SEED/MULCH
□	(IP) INLET PROTECTION
■	(RCD) ROCK CHECK DAM
—LDA— (LDA)	LIMITS OF DISTURBANCE AREA
→	FLOW ARROW
⊥	(OP) OUTLET PROTECTION

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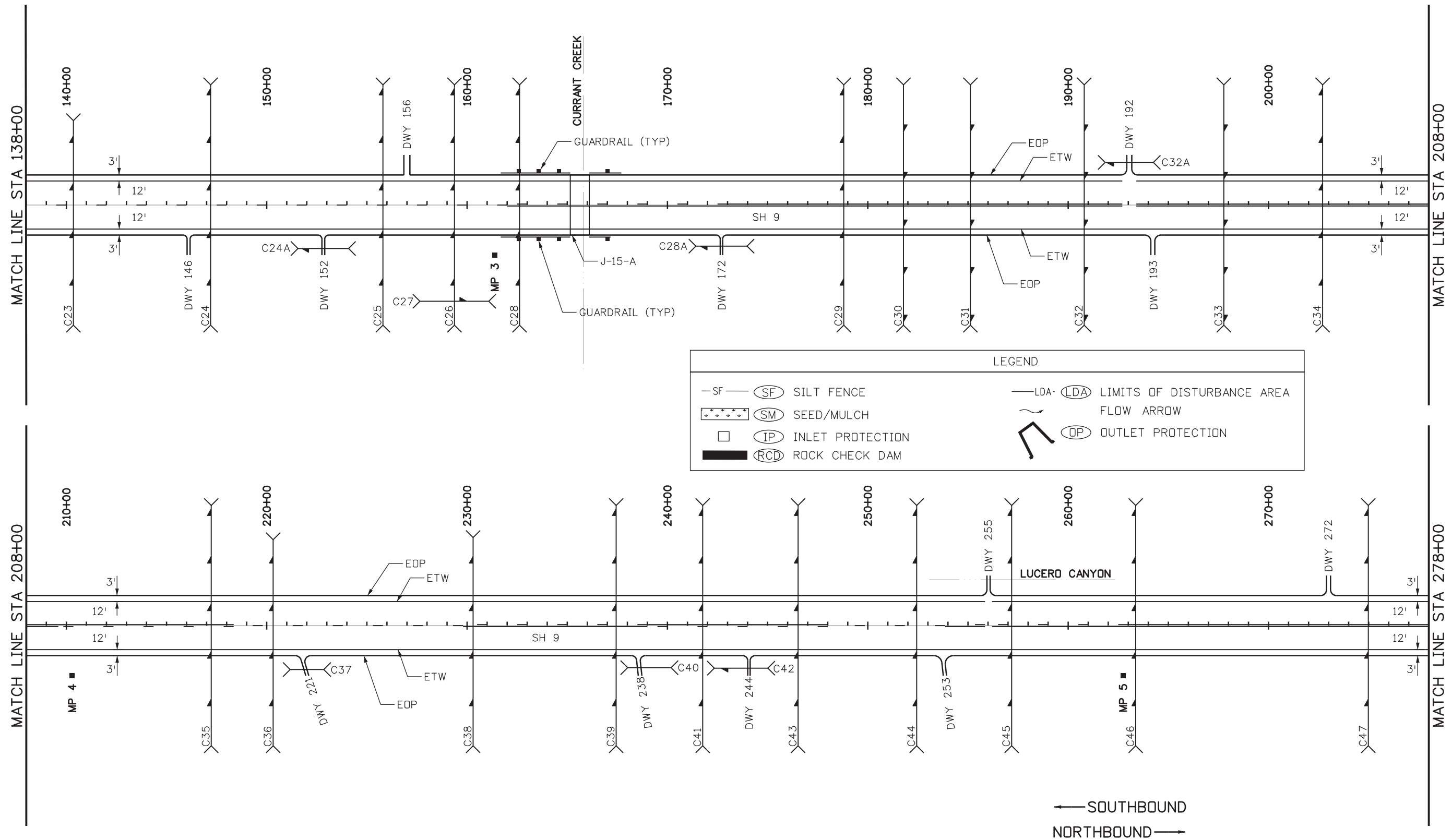
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<b>SH 9</b>			
<b>STORMWATER SITE MAP</b>			
<b>STA 00+00 TO STA 138+00</b>			
Designer:	JSR	Structure Numbers	
Detailer:	LMB		
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<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number 89

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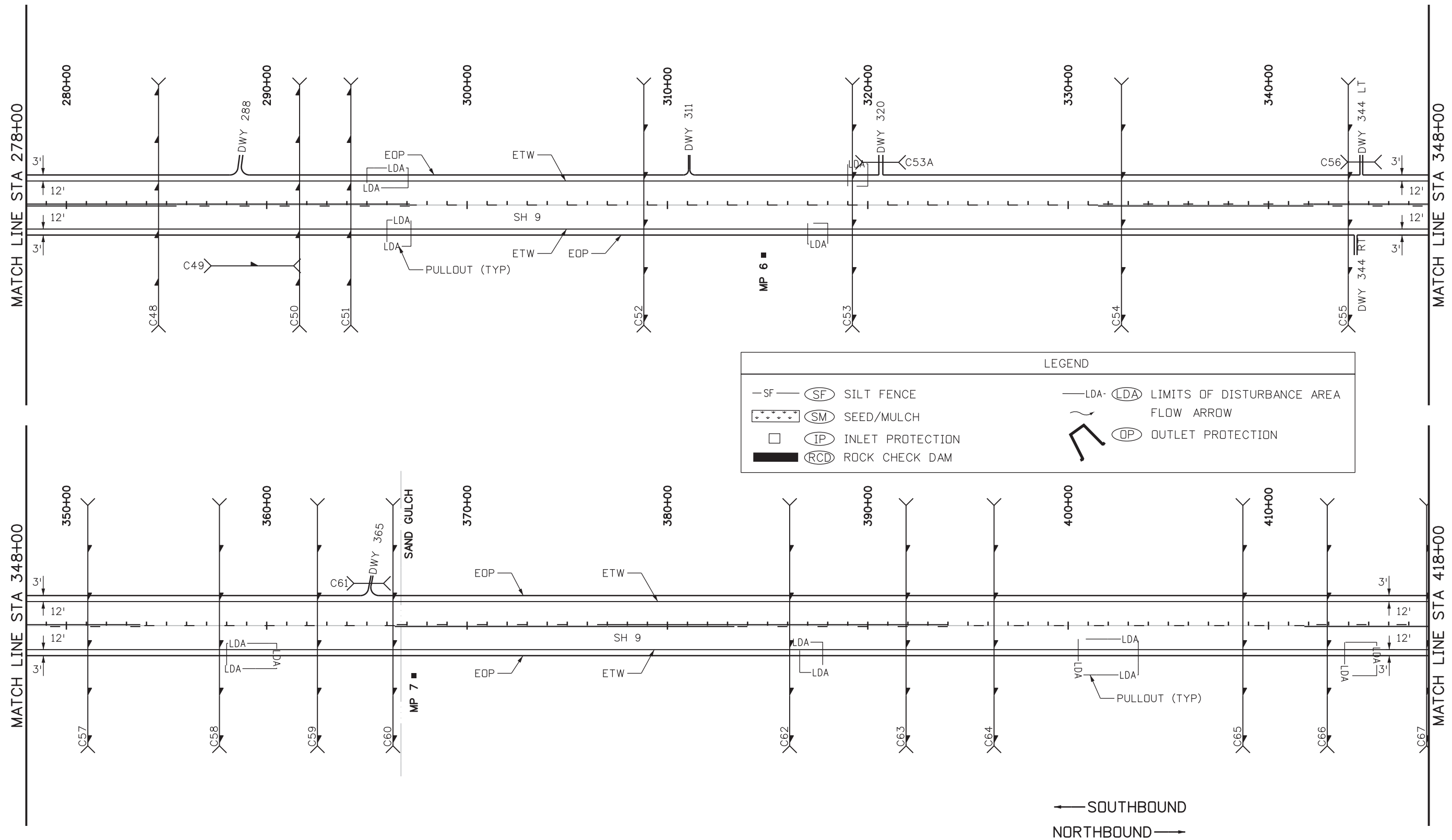
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<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number 90



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(IP)	INLET PROTECTION
(RCD)	ROCK CHECK DAM
-LDA-	(LDA) LIMITS OF DISTURBANCE AREA
→	FLOW ARROW
(OP)	OUTLET PROTECTION

← SOUTHBOUND  
NORTHBOUND →

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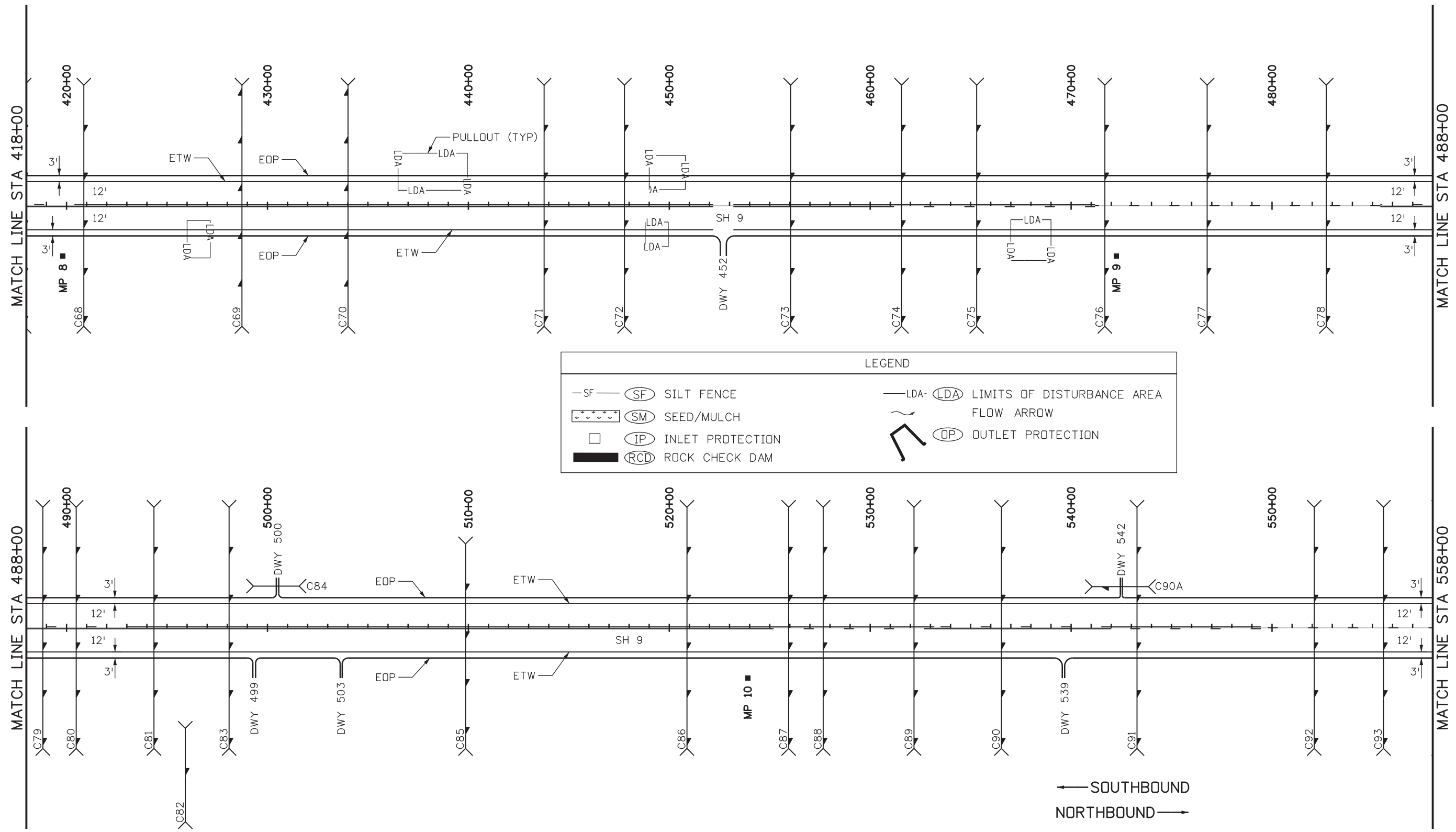
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Project No./Code
STA 0503-089
21255
Sheet Number 91

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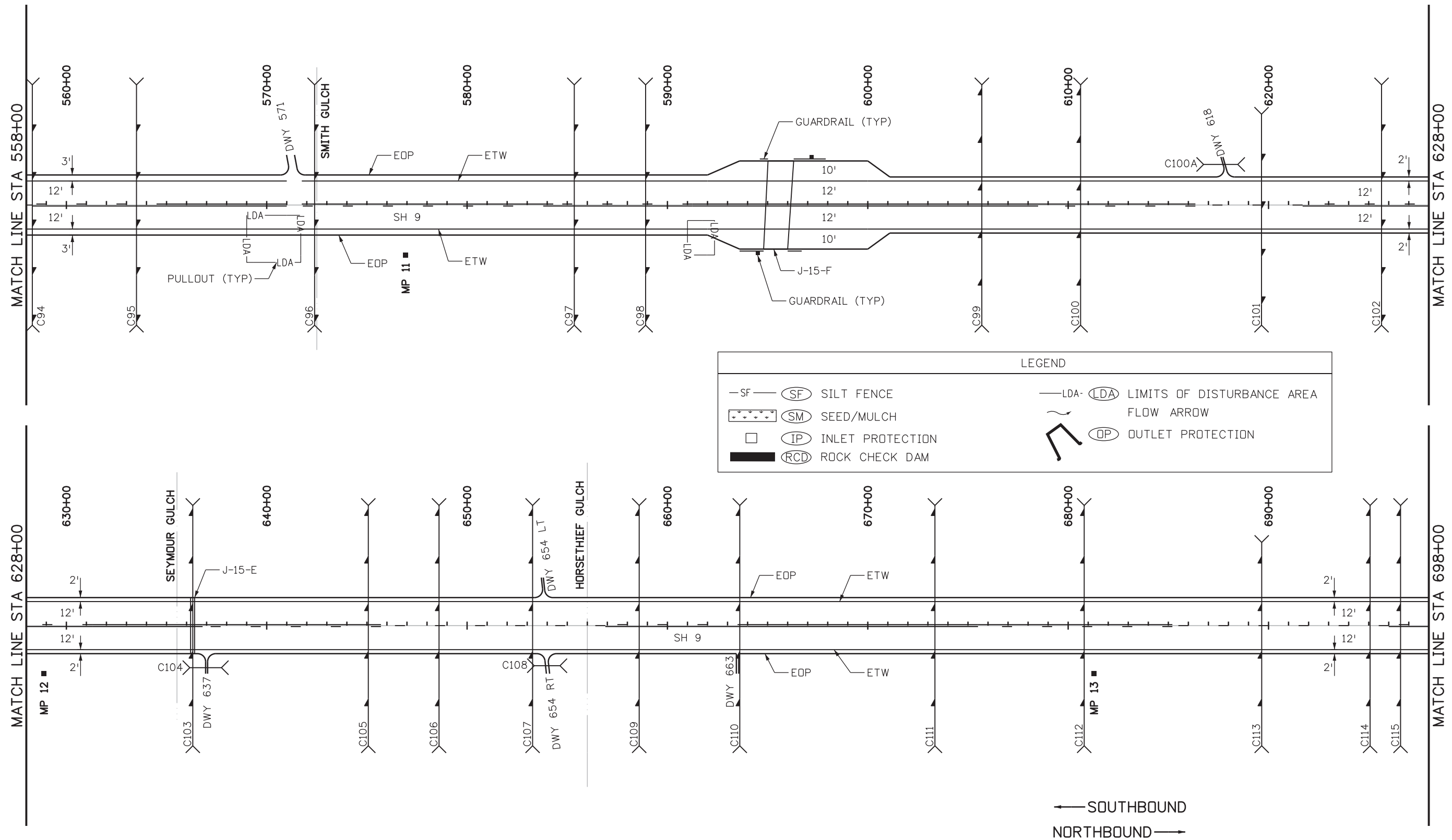
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Project No./Code
STA 0503-089
21255
Sheet Number 92



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(IP)	INLET PROTECTION
(RCD)	ROCK CHECK DAM
- LDA -	(LDA) LIMITS OF DISTURBANCE AREA
→	FLOW ARROW
(OP)	OUTLET PROTECTION

← SOUTHBOUND  
NORTHBOUND →

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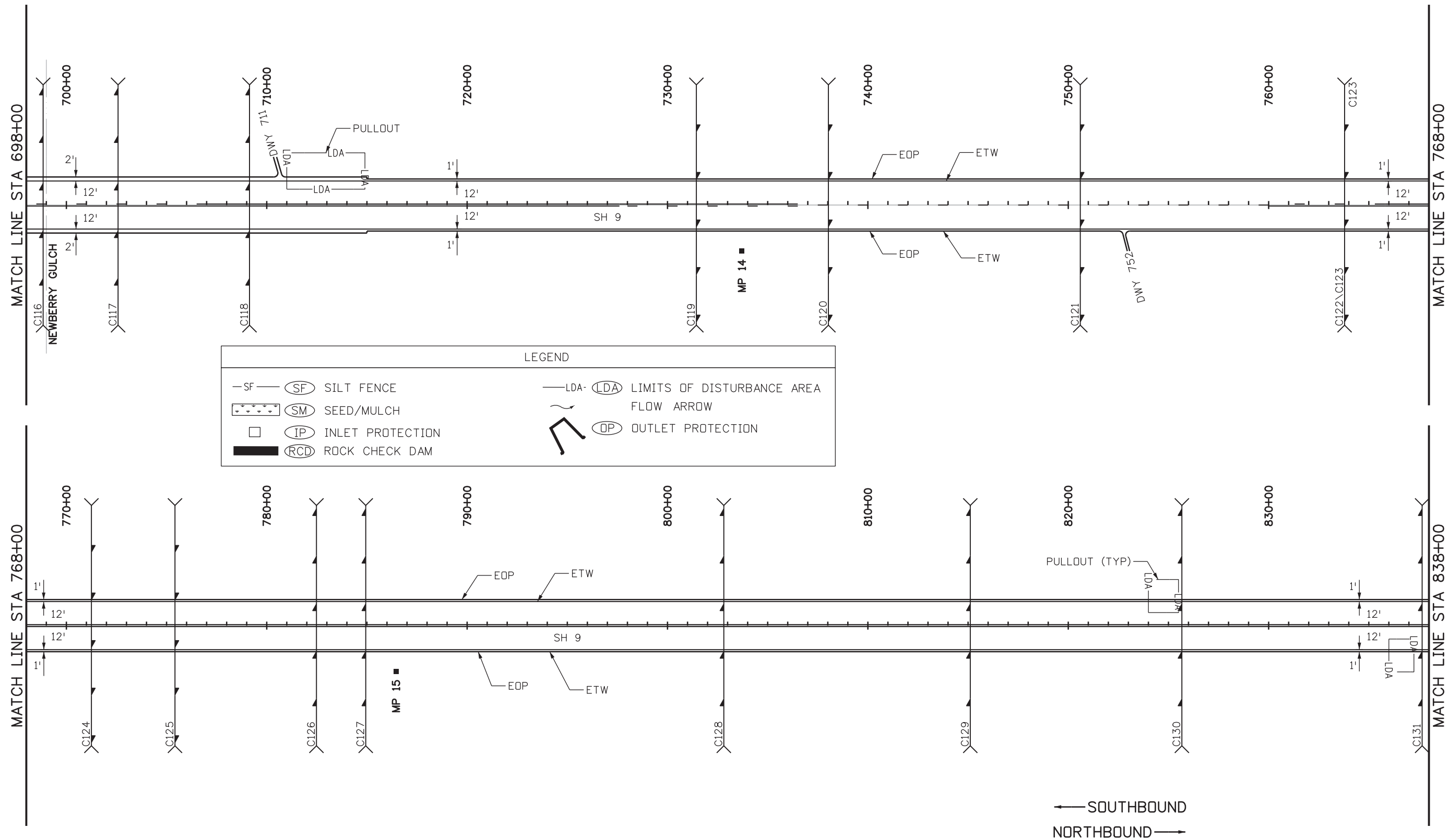
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Project No./Code
STA 0503-089
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Sheet Number 93

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← SOUTHBOUND  
NORTHBOUND →

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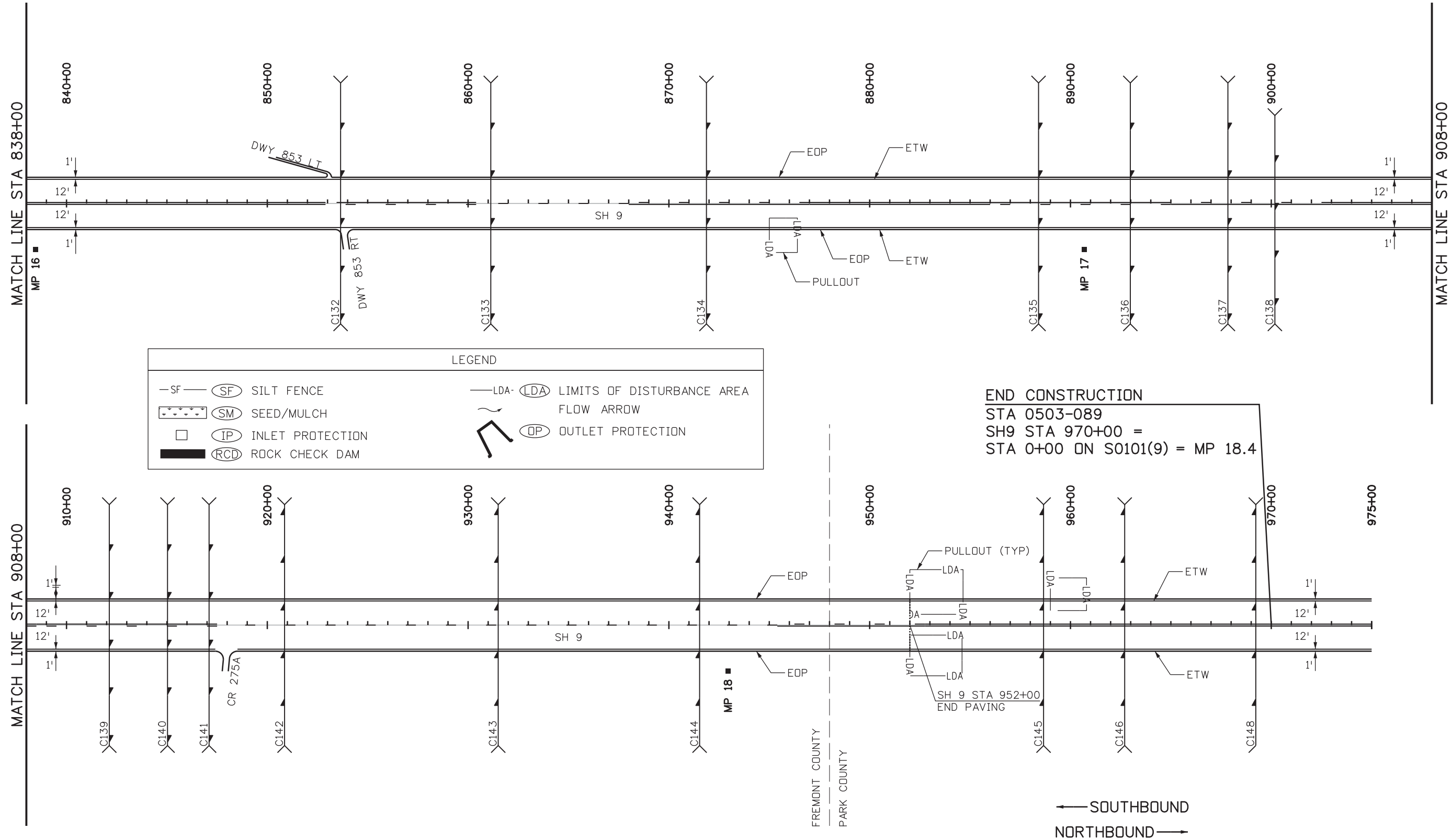
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Project No./Code
STA 0503-089
21255
Sheet Number 94

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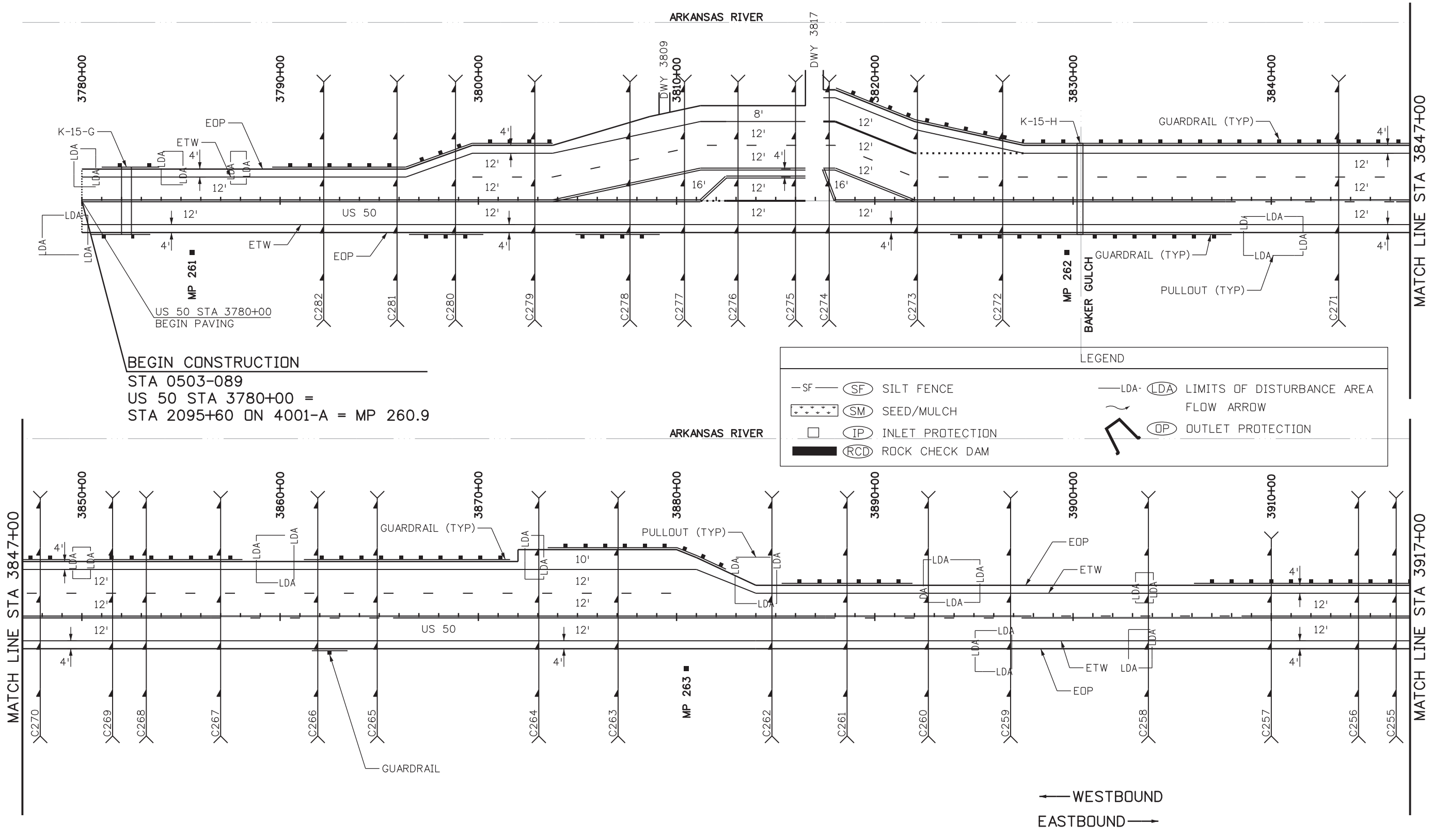
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Project No./Code
STA 0503-089
21255
Sheet Number 95



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■	(RCD) ROCK CHECK DAM
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→	FLOW ARROW
○	(OP) OUTLET PROTECTION

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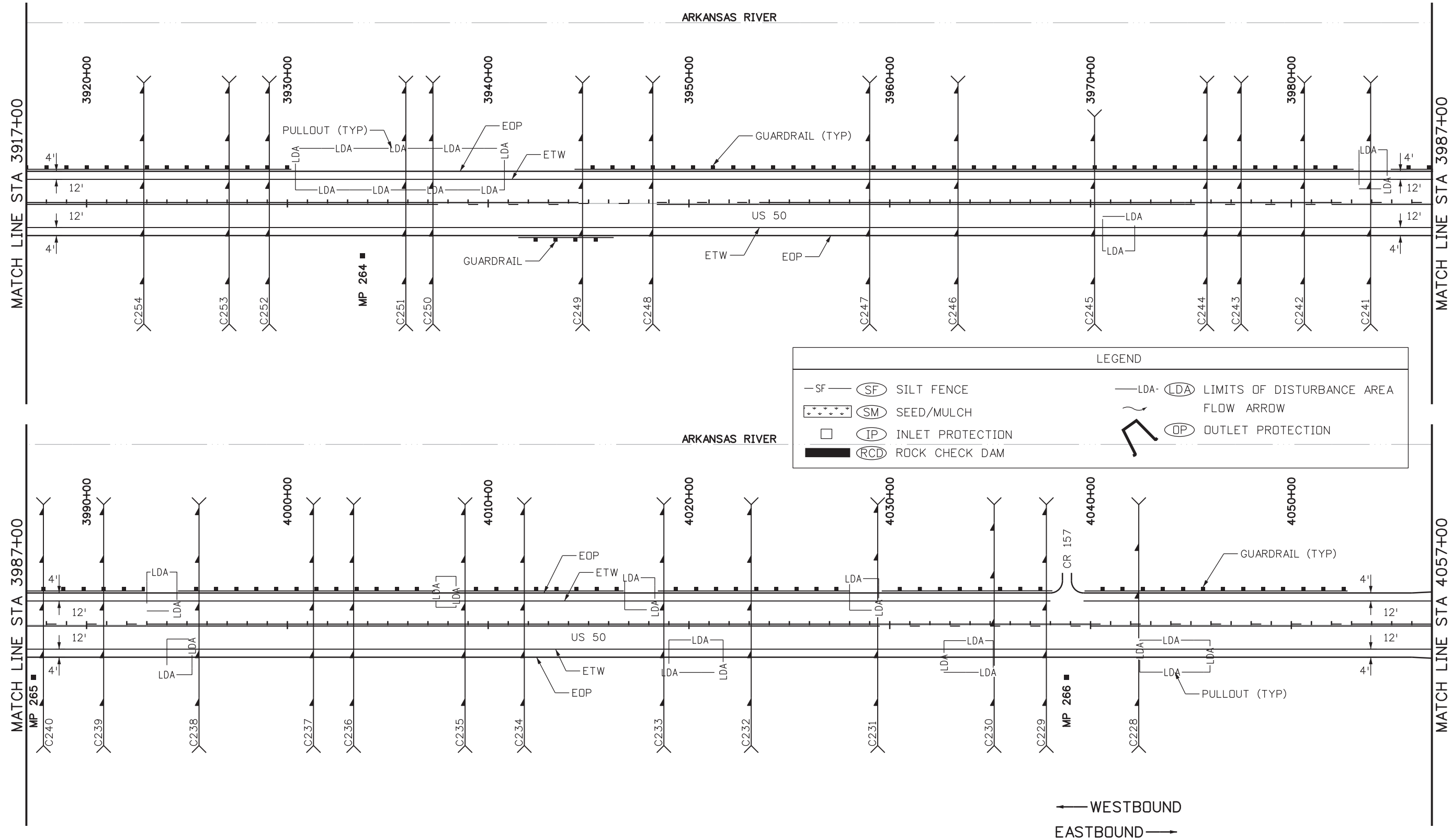
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Project No./Code
STA 0503-089
21255
Sheet Number 96

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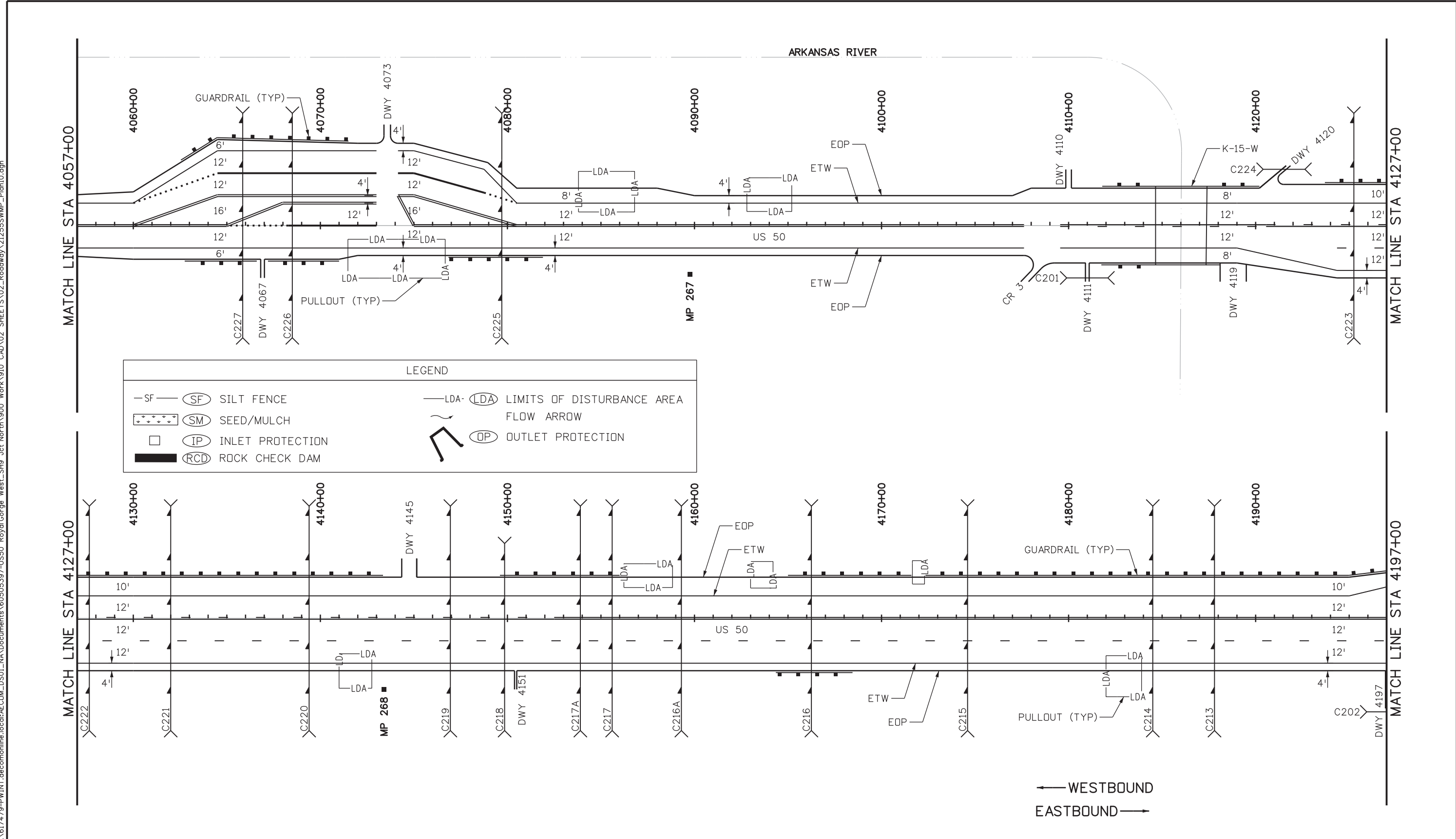


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■	(RCD) ROCK CHECK DAM
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→	FLOW ARROW
⌋	(OP) OUTLET PROTECTION

← WESTBOUND  
 EASTBOUND →

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Region 2      DW

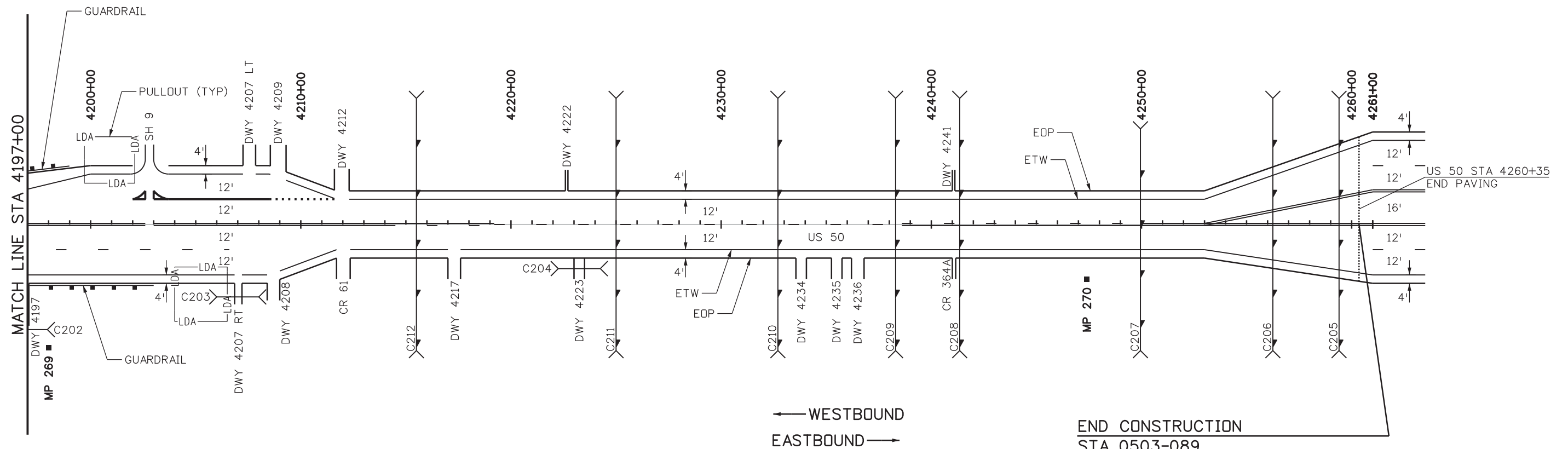
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US 50 STORMWATER SITE MAP STA 4057+00 TO STA 4197+00		
Designer: JSR	Structure Numbers	
Detailer: LMB		
Subset: SWMP	Subset Sheets: 10 of 15	

Project No./Code
STA 0503-089
21255
Sheet Number 98



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END CONSTRUCTION  
 STA 0503-089  
 US 50 STA 4260+35 =  
 STA 2611+40 ON 113-H = MP 270.7  
 END PROJECT STA 0503-089

LEGEND	
—SF— (SF)	SILT FENCE
(SM)	SEED/MULCH
□ (IP)	INLET PROTECTION
■ (RCD)	ROCK CHECK DAM
—LDA— (LDA)	LIMITS OF DISTURBANCE AREA
~	FLOW ARROW
⌒ (OP)	OUTLET PROTECTION

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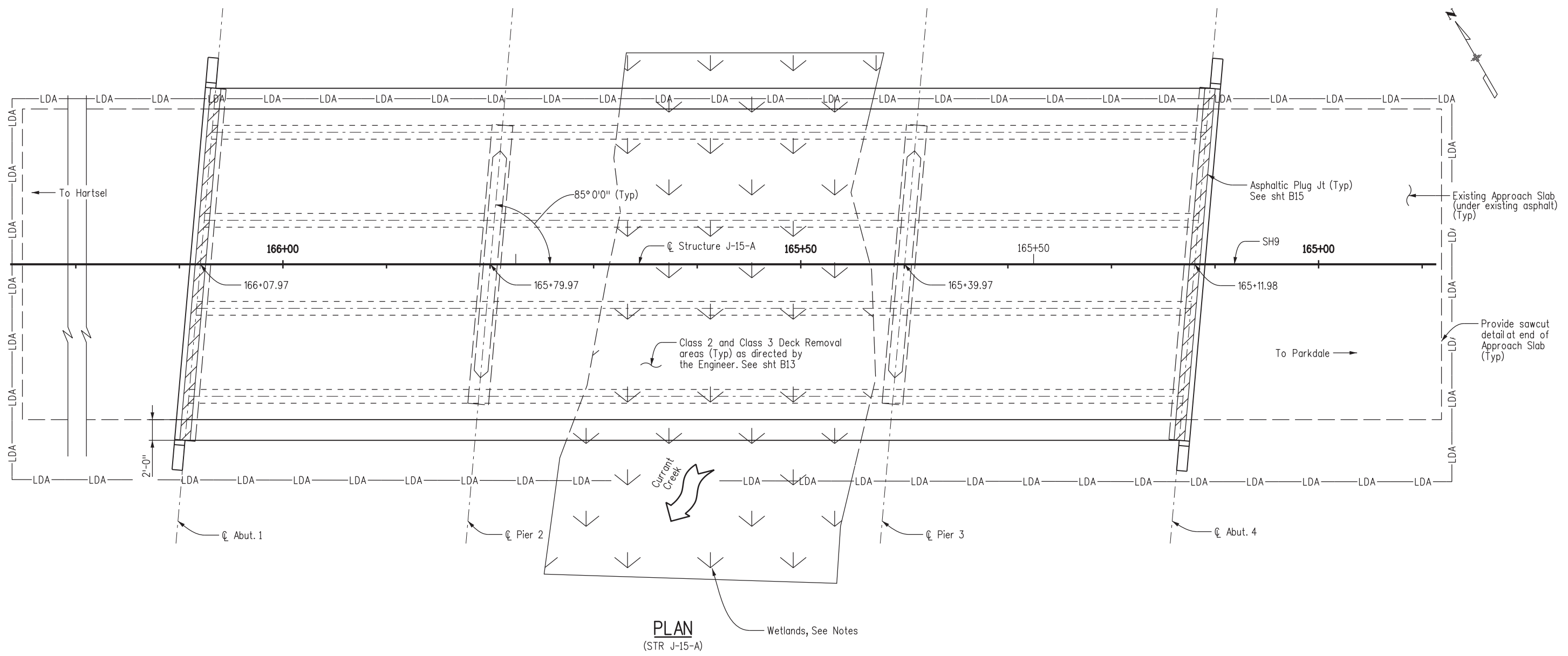
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US 50 STORMWATER SITE MAP STA 4197+00 TO STA 4260+35			
Designer:	JSR	Structure Numbers:	
Detailer:	LMB	Subset Sheets:	11 of 15
Subset:	SWMP		

Project No./Code	STA 0503-089
	21255
Sheet Number	99

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**NOTES:**

- ① No parking, no staging, no work, no access. Prior to work the contractor will install and maintain plastic fencing along the perimeter of each feature at each bridge to prevent impacts.
- ② Substructure work should be scheduled during low or no flow periods to reduce effects of work on water quality.
- ③ Blow-through debris from Class 3 repairs shall be collected from dry swales at the end of each day. Blow-through from Class 3 repairs will be captured before entering flowing Waters of the State or wetlands.
- ④ Inlet protection shall be added to all bridge drains during maintenance activities.
- ⑤ All wetlands impacted as part of bridge maintenance shall be protected by placement of plastic fence.

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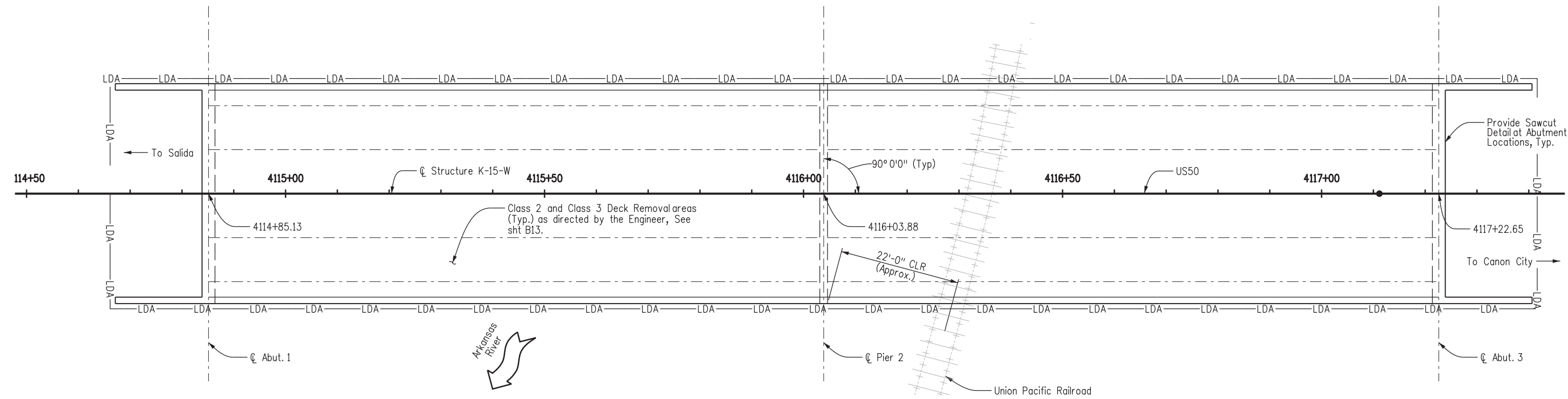
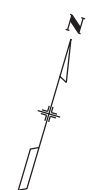
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SH 9 STORMWATER SITE MAP STR J-15-A			
Designer:	JSR	Structure	J-15-A
Detailer:	LMB	Numbers	
Subset:	SWMP	Subset Sheets:	12 of 15

Project No./Code
STA 0503-089
21255
Sheet Number 100



**PLAN**  
(STR K-15-W)

**NOTES:**

- ① No parking, no staging, no work, no access. Prior to work the contractor will install and maintain plastic fencing along the perimeter of each feature at each bridge to prevent impacts.
- ② Blow-through debris from Class 3 repairs shall be collected from dry swales at the end of each day. Blow-through from Class 3 repairs will be captured before entering flowing Waters of the State or wetlands.
- ③ Inlet protection shall be added to all bridge drains during maintenance activities.
- ④ All wetlands impacted as part of bridge maintenance shall be protected by placement of plastic fence.

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Print Date: 12/21/2016
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**Region 2**      **DW**

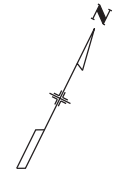
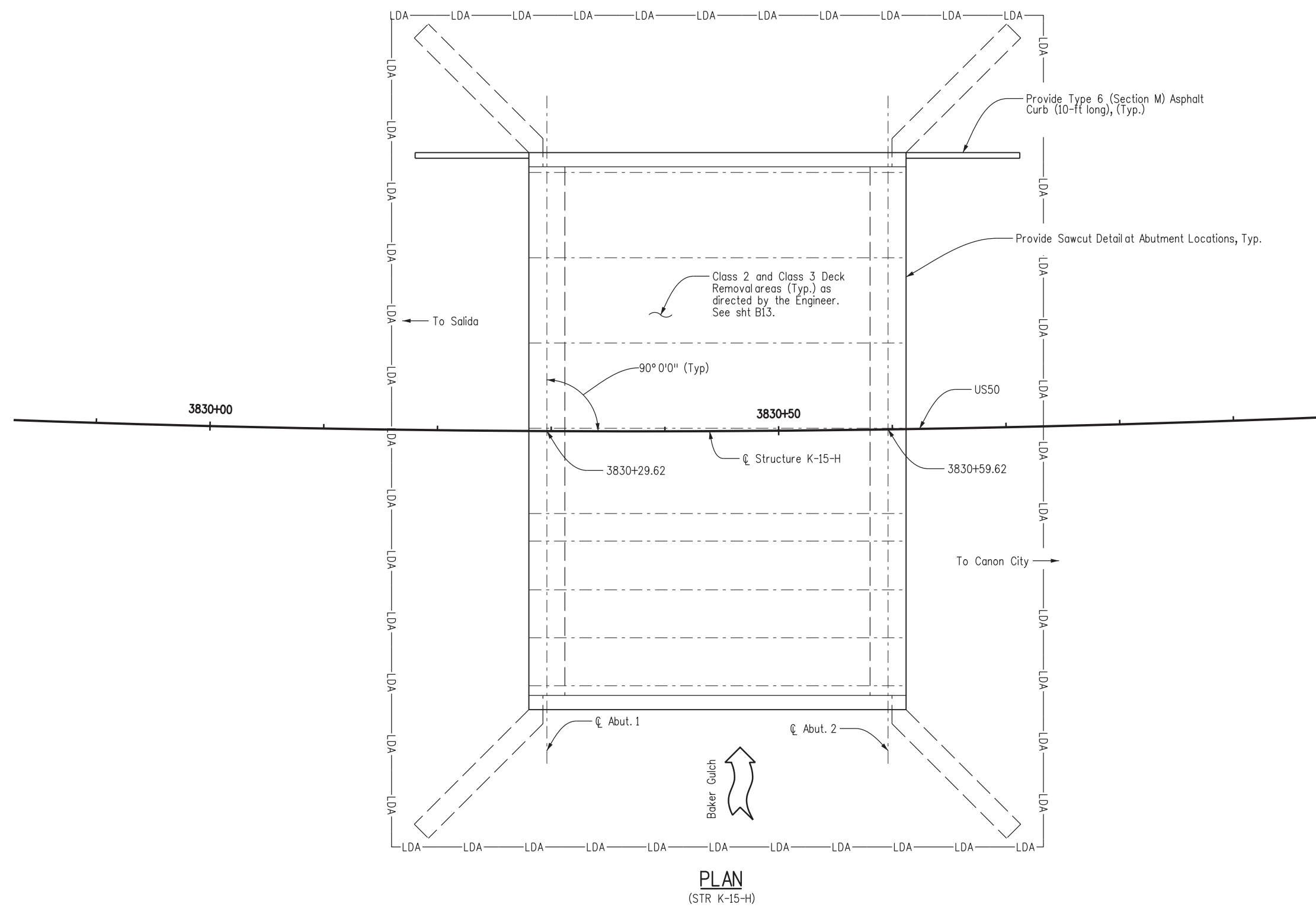
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Revised:
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Designer:	JSR	Structure Numbers	K-15-W
Detailer:	LMB	Subset Sheets:	13 of 15
Subset:	SWMP		

<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number 101



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**NOTES:**

- ① No parking, no staging, no work, no access. Prior to work the contractor will install and maintain plastic fencing along the perimeter of each feature at each bridge to prevent impacts.
- ② Blow-through debris from Class 3 repairs shall be collected from dry swales at the end of each day. Blow-through from Class 3 repairs will be captured before entering flowing Waters of the State or wetlands.
- ③ Inlet protection shall be added to all bridge drains during maintenance activities.
- ④ All wetlands impacted as part of bridge maintenance shall be protected by placement of plastic fence.

Print Date: 12/21/2016
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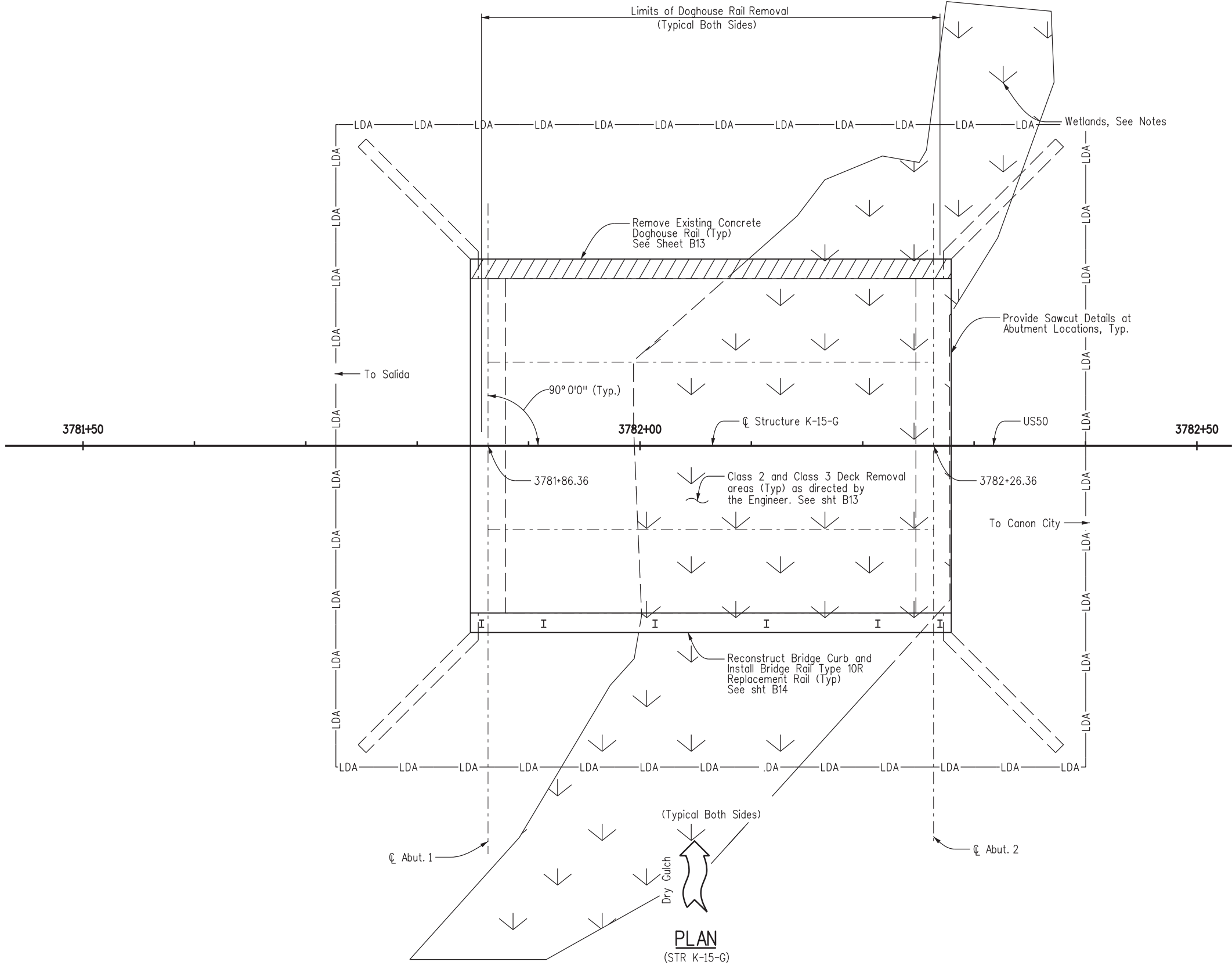
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Region 2      DW

As Constructed
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US 50 STORMWATER SITE MAP STR K-15-H			
Designer:	JSR	Structure Numbers	K-15-H
Detailer:	LMB	Subset Sheets:	14 of 15
Subset:	SWMP		

Project No./Code
STA 0503-089
21255
Sheet Number 102



**NOTES:**

- ① No parking, no staging, no work, no access. Prior to work the contractor will install and maintain plastic fencing along the perimeter of each feature at each bridge to prevent impacts.
- ② Substructure work should be scheduled during low or no flow periods to reduce effects of work on water quality.
- ③ Blow-through debris from Class 3 repairs shall be collected from dry swales at the end of each day. Blow-through from Class 3 repairs will be captured before entering flowing Waters of the State or wetlands.
- ④ Inlet protection shall be added to all bridge drains during maintenance activities.

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US 50 STORMWATER SITE MAP STR K-15-G			
Designer:	JSR	Structure Numbers	K-15-G
Detailer:	LMB	Subset Sheets:	15 of 15
Subset:	SWMP		

Project No./Code
STA 0503-089
21255
Sheet Number 103

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## GENERAL NOTES

Expansion joint material shall meet AASHTO Specification M213.

Grade 60 reinforcing steel is required.

All reinforcing steel shall be epoxy coated unless otherwise noted.

The following table gives the minimum lap splice length for epoxy coated reinforcing bars placed in accordance with subsection 602.06. These splice lengths shall be increased by 25% for bars spaced at less than 6" on center.

Bar size	#5	#6	#7	#8	#9	#10	#11
Splice length for Class D concrete	1'-7"	2'-5"	2'-10"	3'-8"	4'-8"	5'-11"	7'-3"

The contractor shall be responsible for the stability of the structure during construction.

Dimensions contained in these plans are calculated from "as constructed plans". These dimensions may be adjusted to meet the existing structure. The contractor shall verify all dependant dimensions in the field before ordering or fabricating any material.

All falsework shall conform to the requirements of Subsection 601.11 of the 2011 CDDT Standard Specifications for Road and Bridge Construction.

The information shown on these plans concerning the type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determination as to type and location of underground utilities as may be necessary to avoid damage thereto. The contractor shall contact the utility notification center of Colorado at 811 (1-800-922-1987) at least 2 days (not including the day of notification) prior to any excavation or other earthwork.

Deck rehabilitation locations and quantities shown are approximate. Final locations shall be determined by the Engineer. Payment will be for the actual area repaired and material used as approved by the Engineer.

The bituminous pavement shall be removed from the existing structure as indicated on the plans and replaced to the grade and cross slope of the existing concrete deck.

Roadway alignment stationing shown on the General Layout sheets are shown for information only.

## DECK REPAIR NOTES

The Contractor shall identify, in the presence of the Engineer, remove and dispose of all existing unsound concrete, unsound patches and all asphalt concrete patches on the bridge deck. The Engineer shall approve all removal locations and limits.

Unsound concrete is generally concrete that emits a relatively dead or hollow sound when a chain is dragged over its surface in accordance with ASTM D4580-86. Concrete encased corroded reinforcing steel beyond the limits identified by the sound may be considered as unsound concrete. The Engineer shall determine the soundness of all concrete.

Equipment and tools shall not be used to remove unsound concrete, which, in the opinion of the Engineer, cause removal of excess quantities of sound concrete along with the unsound concrete.

Equipment used shall be fitted with suitable traps, filters, drip pans, or other devices to prevent oil or other deleterious matter from being deposited on the deck.

Exposed reinforcing steel shall be cleaned of deleterious materials, such as, rust and corrosive products including oil, dirt, concrete fragments, loose scale and other coating, of any character, which would destroy or reduce the bond with the patch material.

Deck drains shall be protected during any removal operations.

## DESIGN DATA

AASHTO, Sixth Edition LRFD with current interims

Design Method: Load and Resistance Factor Design.

Live Load: HL-93 (design truck or tandem, and design lane load)  
Dead Load: Assumes 36 lbs. per sq. ft. for bridge deck overlay.

Reinforced Concrete: Class D Concrete:  $f'_c = 4,500$  psi  
Reinforcing Steel:  $f_y = 60,000$  psi

## BRIDGE WORK DESCRIPTION

**J-15-E**  
Remove 1.5-inches of the asphalt and replace with 1.5-inches of Hot Mix Asphalt, HMA.

**J-15-F**  
No work planned at Str. No. J-15-F.

**J-15-A**  
Remove the existing asphalt mat to bare deck. Perform deck evaluation and Class 2 and Class 3 deck repairs. Replace joints. Place waterproofing (membrane) and asphalt. Flow-fill along bottom of abutment cap.

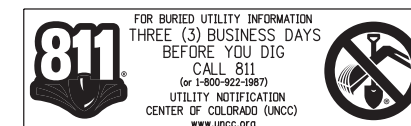
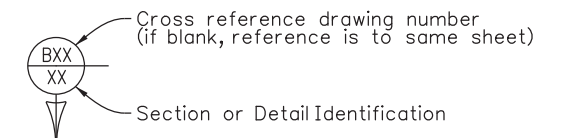
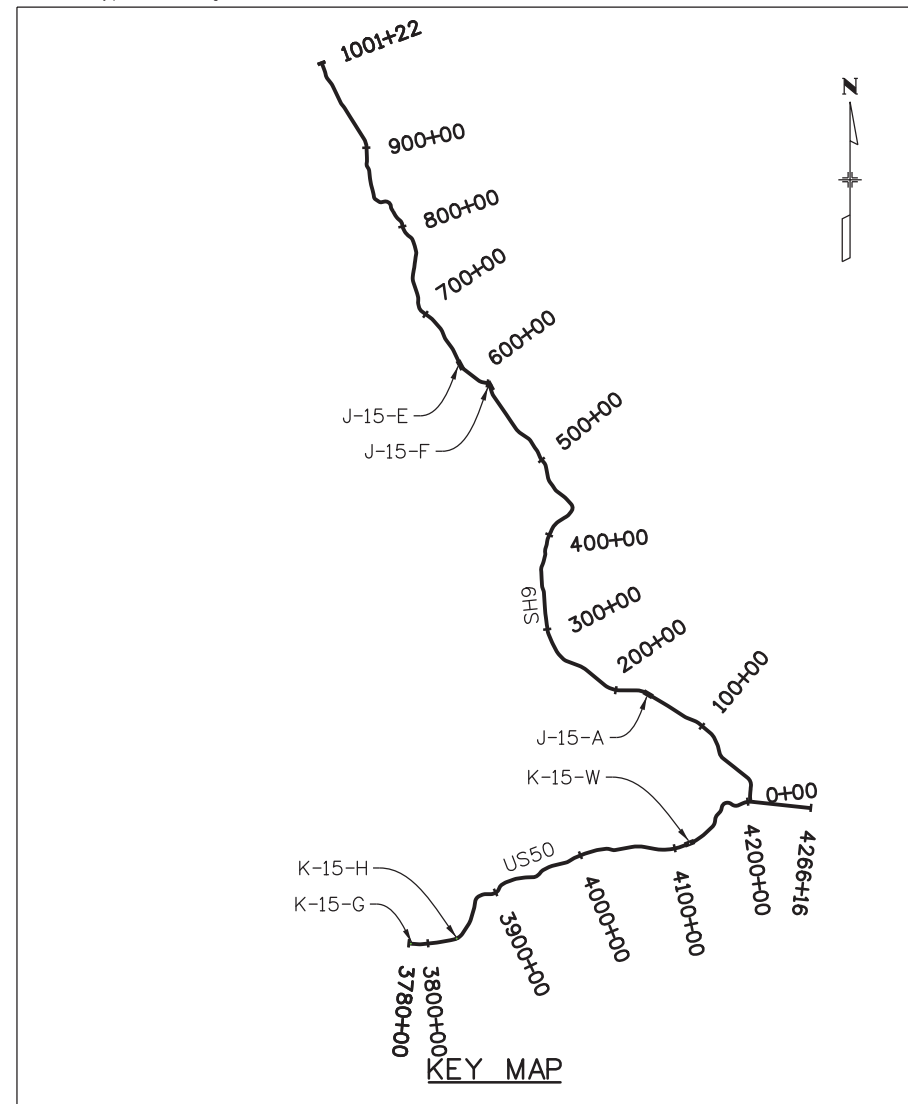
**K-15-W**  
Remove the existing asphalt mat to bare deck. Perform deck evaluation and Class 2 and Class 3 deck repairs. Place waterproofing (membrane) and asphalt. Repair the chain link fence. Replace the impacted bridge rail, reset one rail post and perform concrete repair to the spalled curb. Replace bolts on the two adjacent rail posts.

**K-15-H**  
Remove the existing asphalt mat to bare deck. Perform deck evaluation and Class 2 and Class 3 deck repairs. Place waterproofing (membrane) and asphalt. Extend curbs at the NE and NW corners of the bridge to direct drainage away from the bridge.

**K-15-G**  
Remove the existing asphalt mat to bare deck. Perform deck evaluation and Class 2 and Class 3 deck repairs. Place waterproofing (membrane) and asphalt. Remove the concrete doghouse rail, attached w-beam, and concrete curb and construct new curb and Type 10R bridge rail.

## INDEX OF DRAWINGS

B1	General Notes
B2	Summary of Quantities
B3	J-15-E General Layout
B4	J-15-A General Layout
B5	J-15-A Typical Section
B6	K-15-W General Layout
B7	K-15-W Typical Section
B8	K-15-W Rail and Fence Repair Details
B9	K-15-H General Layout
B10	K-15-H Typical Section
B11	K-15-G General Layout
B12	K-15-G Typical Section
B13	Deck Rehabilitation Details
B14	Bridge Rail Type 10R Replacement Rail
B15	Joint Details



Includes:  
J-15-E  
J-15-F  
J-15-A  
K-15-W  
K-15-H  
K-15-G

Design		Detail		Quantities	
INITIAL	DATE	INITIAL	DATE	INITIAL	DATE
MS	11/16	MS	11/16	MS	11/16
GM	11/16	GM	11/16	GM	11/16

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GENERAL INFORMATION			
Designer:	M. SUELAU	Structure Numbers	▼
Detailer:	R. WHITCHER	Subset Sheets:	B1 of B15

Project No./Code	STA 0503-089
Sheet Number	104

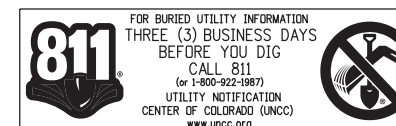


**SUMMARY OF QUANTITIES**

Item No.	Description	Units	J-15-E		J-15-A		K-15-W		K-15-H		K-15-G		Total	
			Plan	As Constr	Plan	As Constr	Plan	As Constr	Plan	As Constr	Plan	As Constr	Plan	As Constr
202	Removal of Asphalt Mat (Special)	SY			469		1067		172		144		1852	
202	Removal of Asphalt Mat (Planing)	SY	75										*	
202	Removal of Bridge Railing	LF									87		87	
① ②	202 Removal of Portions of Present Structure (Class 2)	SY			47		54		18		29		148	
① ②	202 Removal of Portions of Present Structure (Class 3)	SY			10		22		4		22		58	
202	Removal of Expansion Joint Material	LF			60								60	
206	Structure Backfill (Flow-Fill)	CY			6								6	
210	Reset Chainlink Fence	LF					13						13	
210	Reset Bridge Railing	LF					20						20	
403	Hot Mix Asphalt (Grading ST) (75) (PG 58-28)	TON	6		77								*	
403	Hot Mix Asphalt (Grading SX) (100) (PG 58-28)	TON					174		28		23		*	
515	Waterproofing (Membrane)	SY			469		1067		172		146		1854	
518	Bridge Expansion Joint (Asphaltic Plug)	LF			60								60	
518	Sawing and Sealing Bridge Joint	LF			60		80		93		67		300	
⑤	601 Concrete Class D (Bridge)	CY									4		4	
③ ④	601 Concrete Class D (Bridge)(Special)	CY			8		11		3		8		30	
601	Galvanic Anodes	EA			285		380		110		255		1030	
⑥	602 Reinforcing Steel	LB			200		275		75		325		875	
⑦	602 Reinforcing Steel (Epoxy Coated)	LB									361		361	
606	Bridge Rail Type 10R	LF									87		87	

\* Carried to Tabulation of Surfacing Materials

- ① All quantities are approximate and shall be adjusted according to the conditions encountered in the field. Payment shall be for the actual area repaired and materials used as directed by the engineer.
- ② Nominal quantities have been estimated at the following: J-15-A and K-15-H - 10% of the deck area for removal of existing structures (Class 2) and 2% of the deck area for removal of existing structure (Class 3). K-15-G - 20% of the deck area for removal of existing structures (Class 2) and 15% of the deck area for removal of existing structure (Class 3). K-15-W - 5% of the deck area for removal of existing structures (Class 2) and 2% of the deck are for removal of existing structures (Class 3).
- ③ Quantities for removals are based on the removal details shown.
- ④ Quantity based on 4 inches removal thickness for Class 2 removal.
- ⑤ Quantity includes bridge deck only. Rail curb concrete totals 6 cyds and is included in the cost of Bridge Rail Type 10R.
- ⑥ Quantity includes reinforcement for Class 2 and 3 repairs.
- ⑦ Epoxy reinforcement total of 612 lbs assumed for Str K-15-G is included in the cost of Bridge Rail Type 10R.



Includes:  
J-15-E  
J-15-A  
K-15-W  
K-15-H  
K-15-G

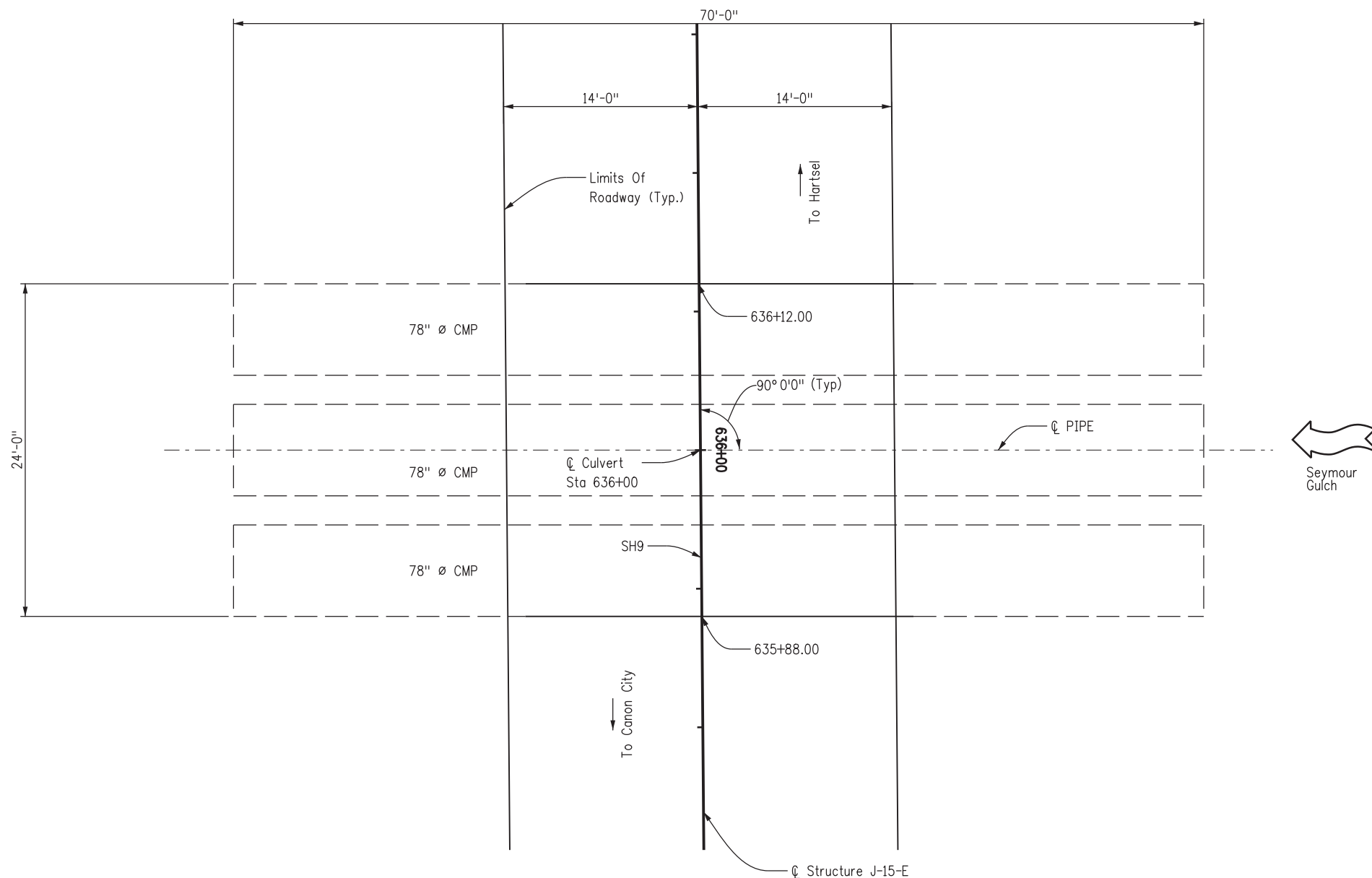
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Designed By	MS	INITIAL	DATE	INITIAL	DATE
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		Checked By		Checked By	
		GM	11/16	GM	11/16

Print Date: 1/25/2017	<b>Sheet Revisions</b>			<p>Colorado Department of Transportation 1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 Region 2 DW</p>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>SUMMARY OF QUANTITIES</b>		Project No./Code STA 0503-089 21255 Sheet Number 105
File Name: US50_SH9-S-B02_S00.dgn	Date:	Comments	Init.					
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GM	11/16	GMM	11/16	GMM	11/16
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**NOTES:**  
 ① The contractor shall provide a minimum 14'-0" traffic opening on the bridge, measured from face of curb to face of curb, at all times.

**PLAN**  
(STR J-15-E)

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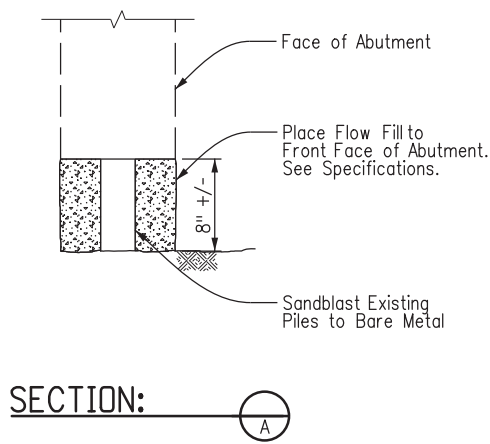
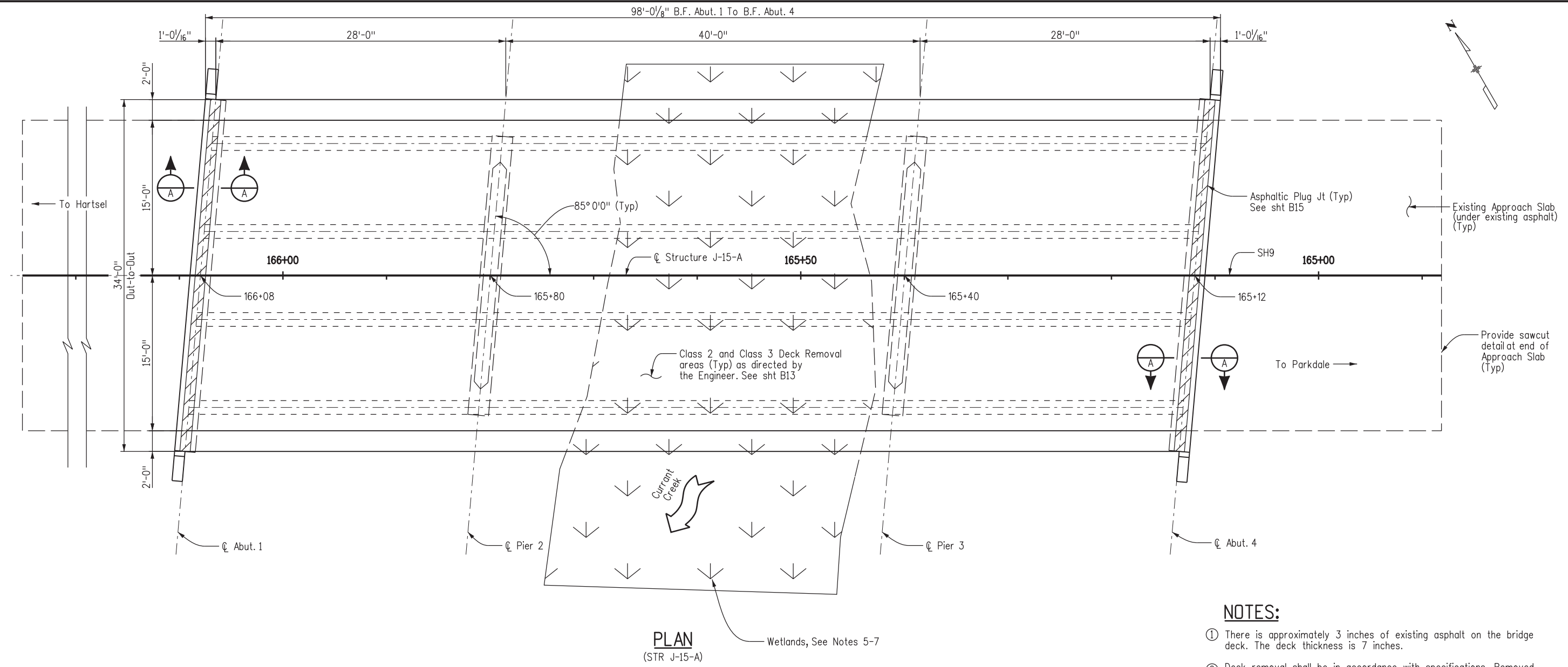
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<b>As Constructed</b>
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<b>GENERAL LAYOUT</b>			
<b>STR NO. J-15-E</b>			
Designer:	M. SUELAU	Structure Numbers	J-15-E
Detailer:	R. WHITCHER	Subset Sheets:	B3 of B15
Subset:			

<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number 106

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**NOTES:**

- ① There is approximately 3 inches of existing asphalt on the bridge deck. The deck thickness is 7 inches.
- ② Deck removal shall be in accordance with specifications. Removed areas of deck shall be replaced with Concrete Class D (Bridge) (Special).
- ③ Taper HMA to drain at all existing deck drain locations, as directed by the engineer.
- ④ The contractor shall provide a minimum 14'-0" traffic opening on the bridge, measured from face of curb to face of curb, at all times.
- ⑤ No parking, no staging, no work, no access. Prior to work the contractor will install and maintain plastic fencing along the perimeter of each feature at each bridge to prevent impacts.
- ⑥ Substructure work should be scheduled during low or no flow periods to reduce effects of work on water quality.
- ⑦ Blow-through debris from Class 3 repairs shall be collected from dry swales at the end of each day. Blow-through from Class 3 repairs will be captured before entering flowing Waters of the State or wetlands.

Design		Detail		Quantities	
INITIAL	DATE	INITIAL	DATE	INITIAL	DATE
MS	11/16	RW	11/16	MS	11/16
GM	11/16	GMM	11/16	GMM	11/16
Designed By	Detailed By	Checked By	Checked By	Quantities By	Checked By

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Date:	Comments	Init.

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 Phone: 719-634-2323    FAX: 719-227-3298  
**Region 2**

**As Constructed**  
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 Revised:  
 Void:

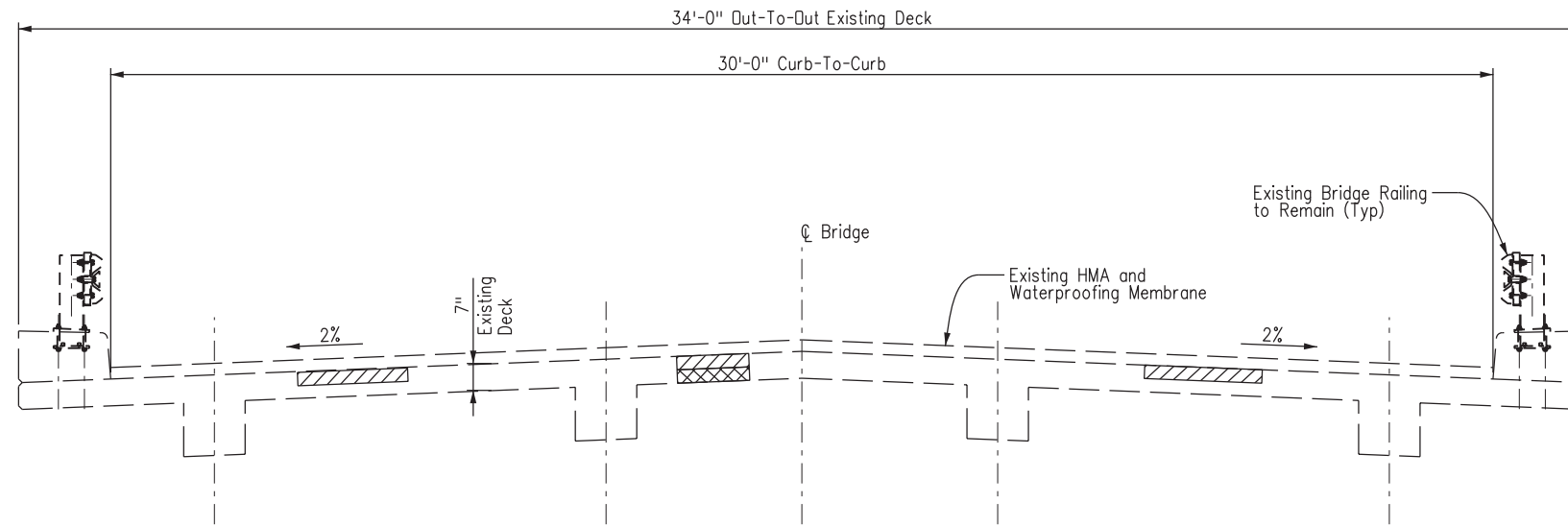
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Designer:	M. SUELAU	Structure Numbers	J-15-A
Detailer:	R. WHITCHER	Subset Sheets:	B4 of B15
Subset:			

**Project No./Code**  
 STA 0503-089  
 21255  
 Sheet Number 107

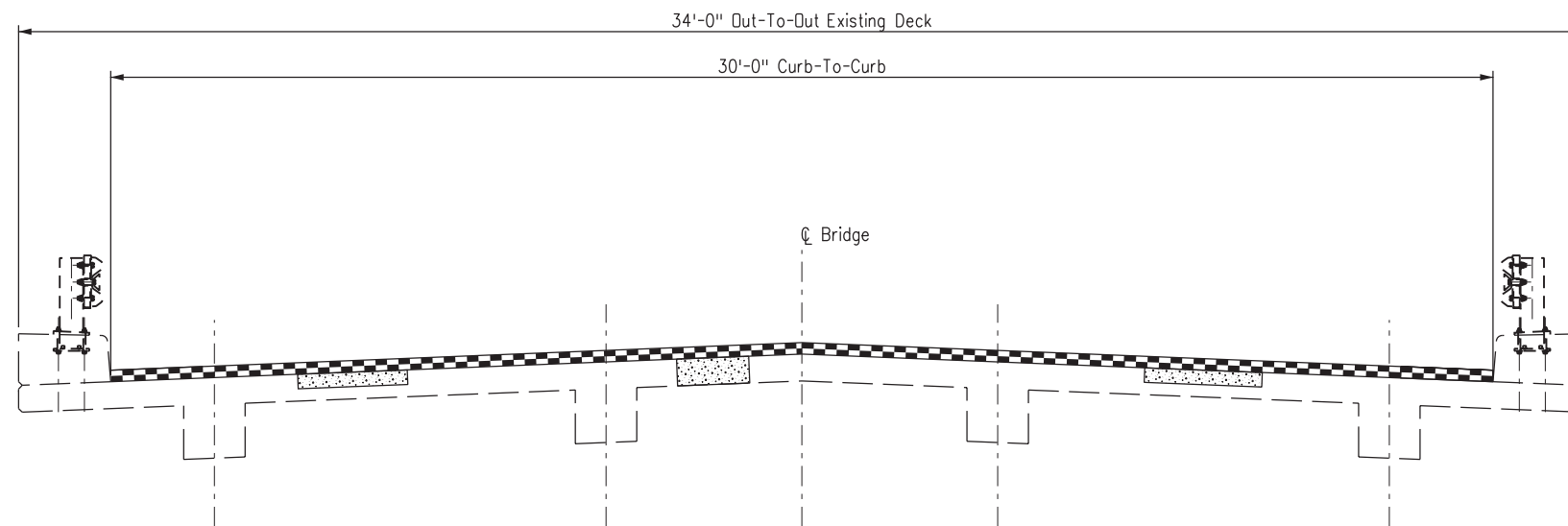


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GM	11/16	GM	11/16	GM	11/16
Designed By		Detailed By		Quantities By	
Checked By		Checked By		Checked By	

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**TYPICAL SECTION**  
(J-15-A)



**REPAIR SECTION**  
(J-15-A)

**LEGEND:**

- Indicates Class 2 removal.  
Approximately half deck thickness Class 2 removal shown. See sht. B13 for Class 2 minimum and maximum removal limits.
- Indicates Class 3 removal.  
The contractor shall identify in the presence of the engineer the limits of unsound concrete.
- Indicates 3" hot mix asphalt over waterproofing (membrane)
- Indicates concrete Class D (Bridge) (Special)

Print Date: 1/25/2017	0000
File Name: US50_SH9-S-B08-J-15-A_TYPSEC.dgn	
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Sheet Revisions		
Date:	Comments	Init.

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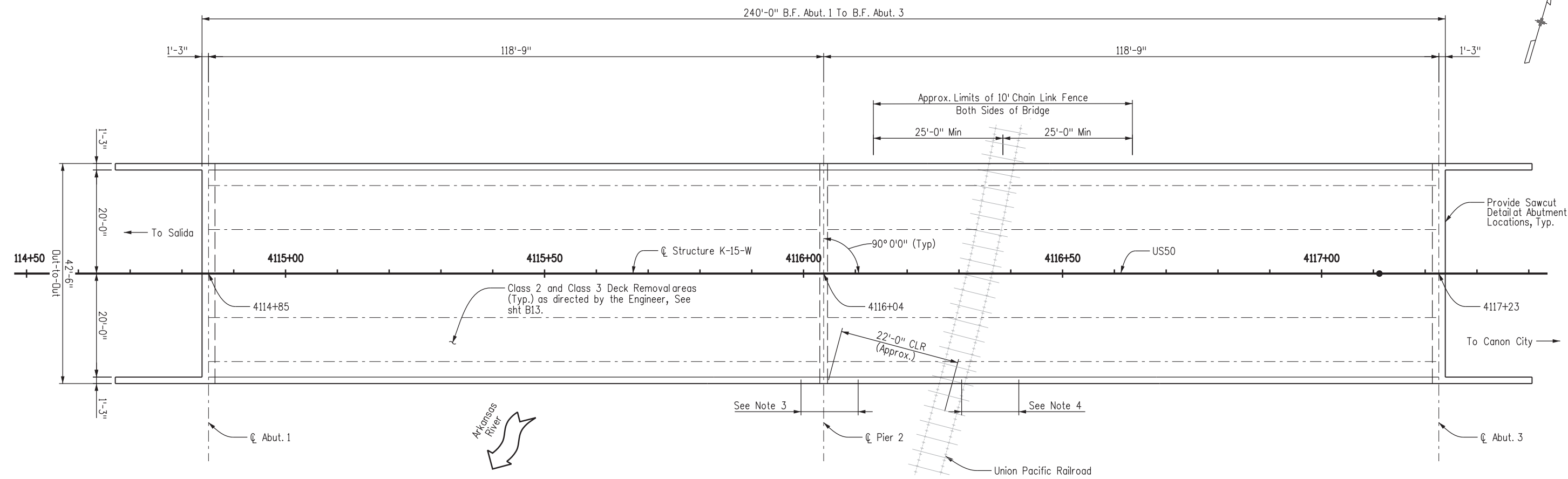
**Region 2**      DW

<b>As Constructed</b>
No Revisions:
Revised:
Void:

<b>TYPICAL SECTION STR NO. J-15-A</b>			
Designer:	M. SUELAU	Structure Numbers	J-15-A
Detailer:	R. WHITCHER	Subset Sheets:	B5 of B15
Subset:	Bridge		

<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number    108

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**PLAN**  
(STR K-15-W)

**NOTES:**

- ① There is approximately 3½ - 4½ inches of existing asphalt on the bridge deck. The deck thickness is 7¼ inches.
- ② Taper HMA to drain at all existing deck drain locations, as directed by the engineer.
- ③ Repair the chain link fence between the first two posts on the west side of the south fence.
- ④ Replace the damaged steel tube beam on the impacted bridge rail between splices. Replace one rail post and perform concrete repair to the spalled curb. Replace bolts on the two adjacent rail posts.
- ⑤ The contractor shall provide a minimum 14'-0" traffic opening on the bridge, measured from face of curb to face of curb, at all times.
- ⑥ Deck removal shall be in accordance with specifications. Removed areas of deck shall be replaced with Concrete Class D (Bridge) (Special).
- ⑦ Blow-through debris from Class 3 repairs shall be collected from dry swales at the end of each day. Blow-through from Class 3 repairs will be captured before entering flowing Waters of the State or wetlands.
- ⑧ See Sheet B8 for fence and rail repair details.

Design		Detail		Quantities	
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GM	11/16	GMM	11/16	GMM	11/16
Designed By	Checked By	Detailed By	Checked By	Quantities By	Checked By

Print Date: 1/25/2017
File Name: US50_SH9-S-B09_K_15_W_GEN_LAY.dgn
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Sheet Revisions		
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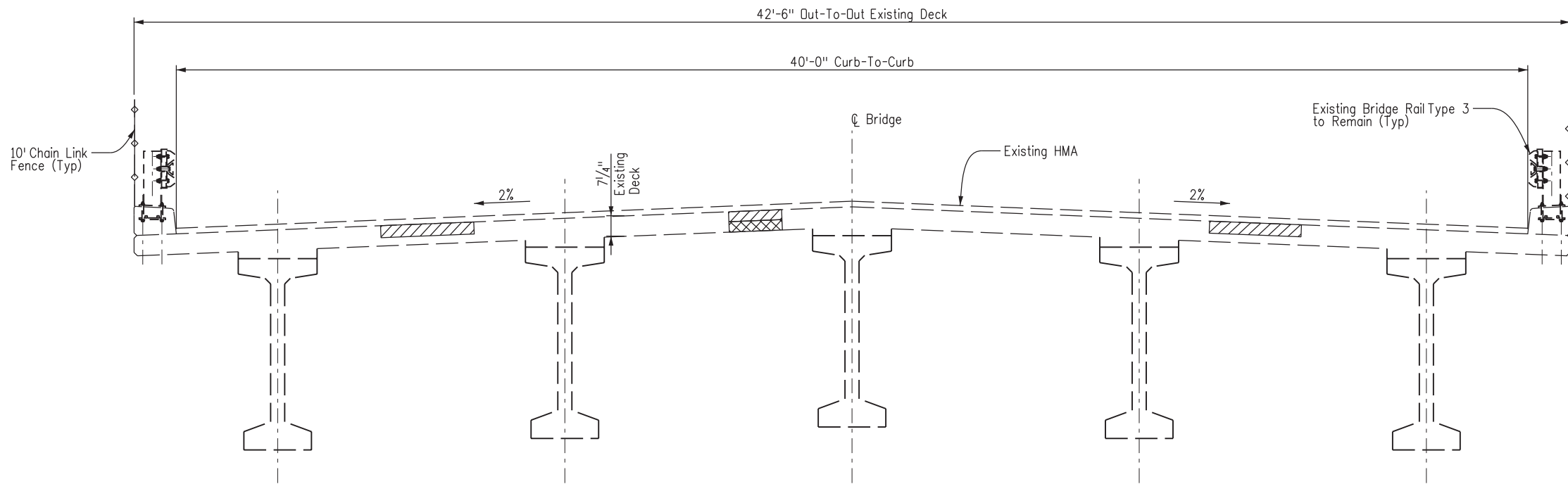
Colorado Department of Transportation  
  
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 Phone: 719-634-2323 FAX: 719-227-3298  
 Region 2 DW

As Constructed
No Revisions:
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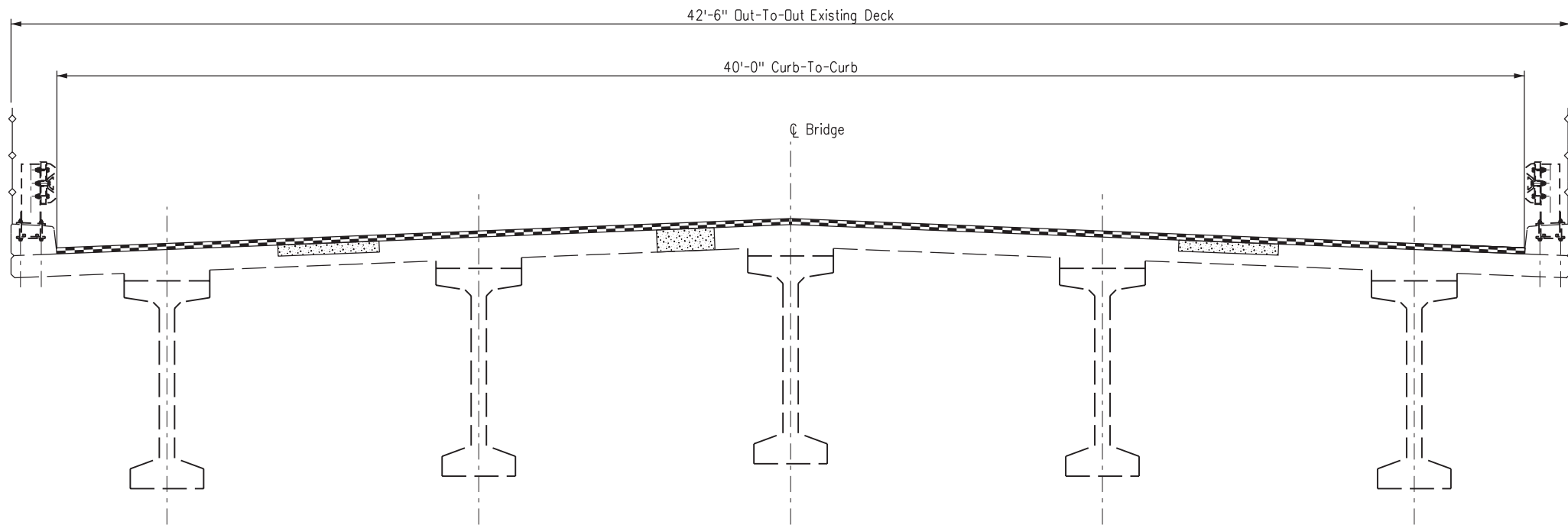
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Designer:	M. SUELAU	Structure	K-15-W
Detailer:	R. WHITCHER	Numbers	
Subset:		Subset Sheets:	B6 of B15

Project No./Code
STA 0503-089
21255
Sheet Number 109

Design: MS 11/16, GM 11/16  
 Detail: RW 11/16, GMM 11/16  
 Quantities: MS 11/16, GMM 11/16  
 Designed By: MS 11/16, GM 11/16  
 Checked By: GM 11/16, GMM 11/16  
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 Project: Jct North 900 Work 910 CAD 02 SHEETS 04 Structural US50\_SH9-S-B10\_K\_15\_W\_TYPSEC.dgn



**TYPICAL SECTION**  
(K-15-W)



**REPAIR SECTION**  
(K-15-W)

**LEGEND:**

- Indicates Class 2 removal.
- Approximately half deck thickness Class 2 removal shown. See sht. B13 for Class 2 minimum and maximum removal limits.
- The contractor shall identify in the presence of the engineer the limits of unsound concrete.
- Indicates Class 3 removal.
- Indicates 3" hot mix asphalt over waterproofing (membrane)
- Indicates concrete Class D (Bridge) (special)

Print Date: 1/25/2017	
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No Revisions:
Revised:
Void:

<b>TYPICAL SECTION STR NO. K-15-W</b>			
Designer:	M. SUELAU	Structure Numbers	K-15-W
Detailer:	R. WHITCHER	Subset Sheets:	B7 of B15
Subset:	Bridge		

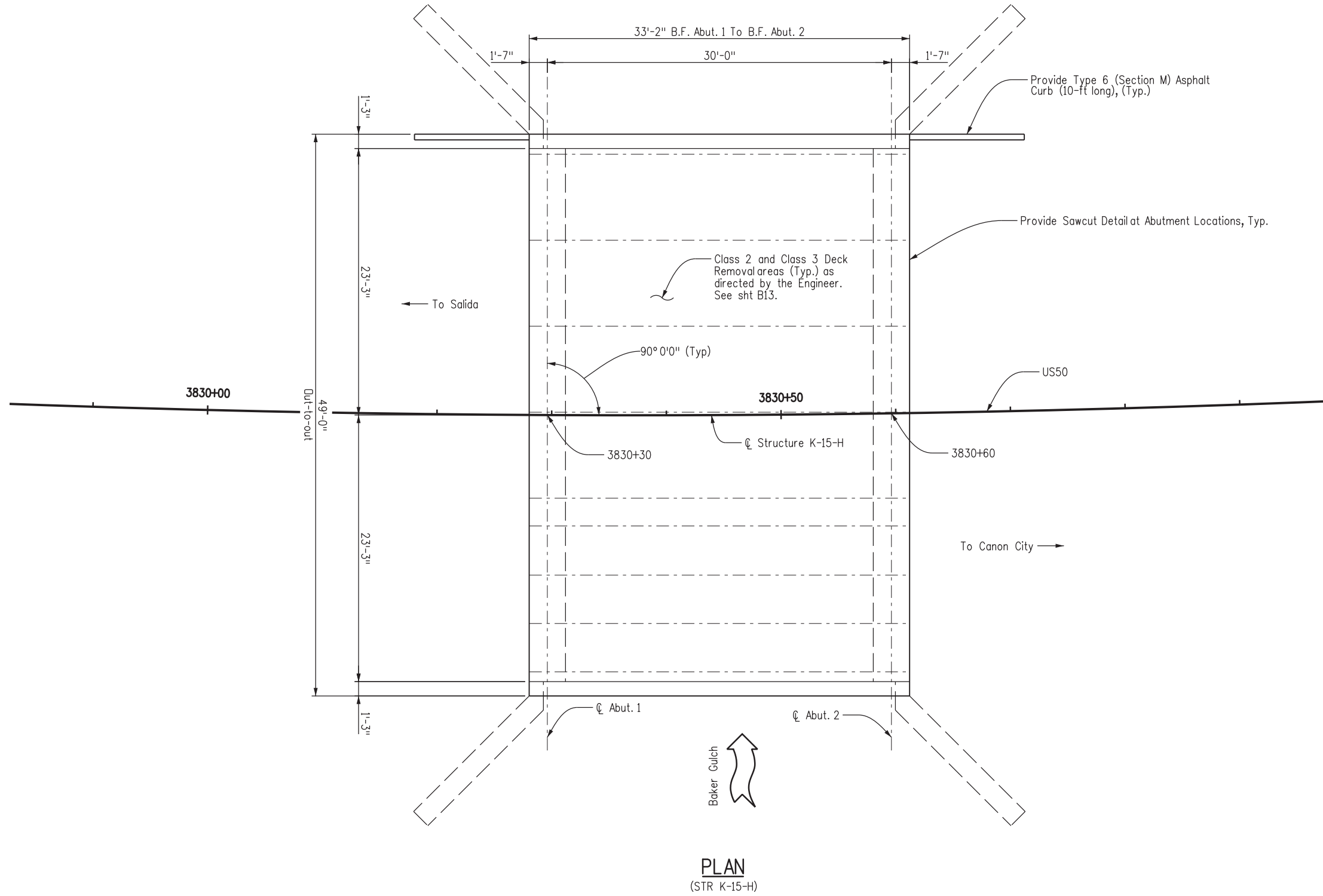
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STA 0503-089	
21255	Sheet Number 110





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**NOTES:**

- ① There is approximately 5 inches of existing asphalt on the bridge deck. The deck thickness is 8¼ inches.
- ② The contractor shall provide a minimum 14'-0" traffic opening on the bridge, measured from face of curb to face of curb, at all times.
- ③ Deck removal shall be in accordance with specifications. Removed areas of deck shall be replaced with Concrete Class D (Bridge) (Special).
- ④ Taper HMA to drain at all existing deck drain locations, as directed by the engineer.
- ⑤ Blow-through debris from Class 3 repairs shall be collected from dry swales at the end of each day. Blow-through from Class 3 repairs will be captured before entering flowing Waters of the State or wetlands.

Print Date: 1/25/2017
File Name: US50_SH9-S-B11-K-15-H_GEN LAY.dgn
Horiz. Scale: 1:10      Vert. Scale:
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**Region 2**      **DW**

As Constructed		GENERAL LAYOUT	
No Revisions:		<b>STR NO. K-15-H</b>	
Revised:		Designer: M. SUELAU	Structure Numbers: K-15-H
Void:		Detailer: R. WHITCHER	
		Subset:	Subset Sheets: B9 of B15

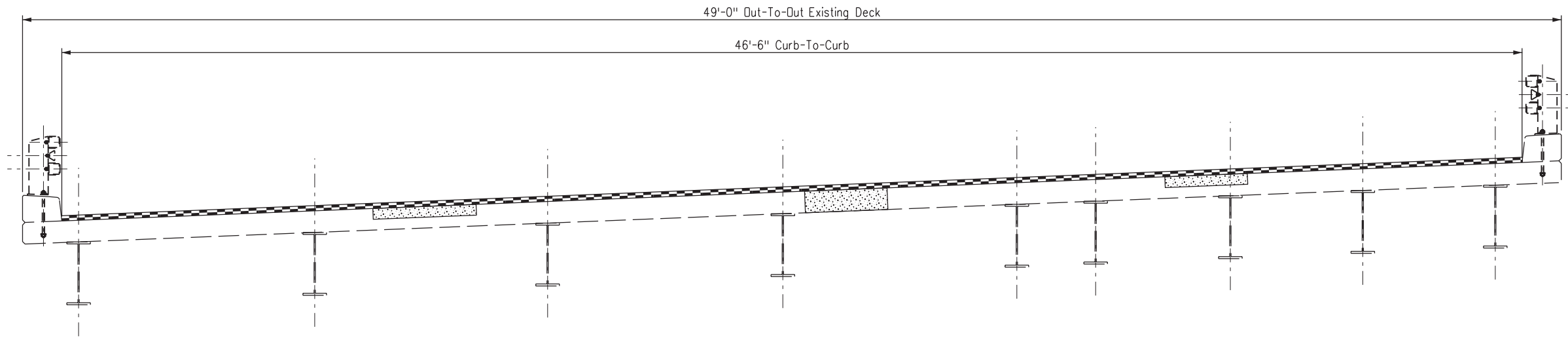
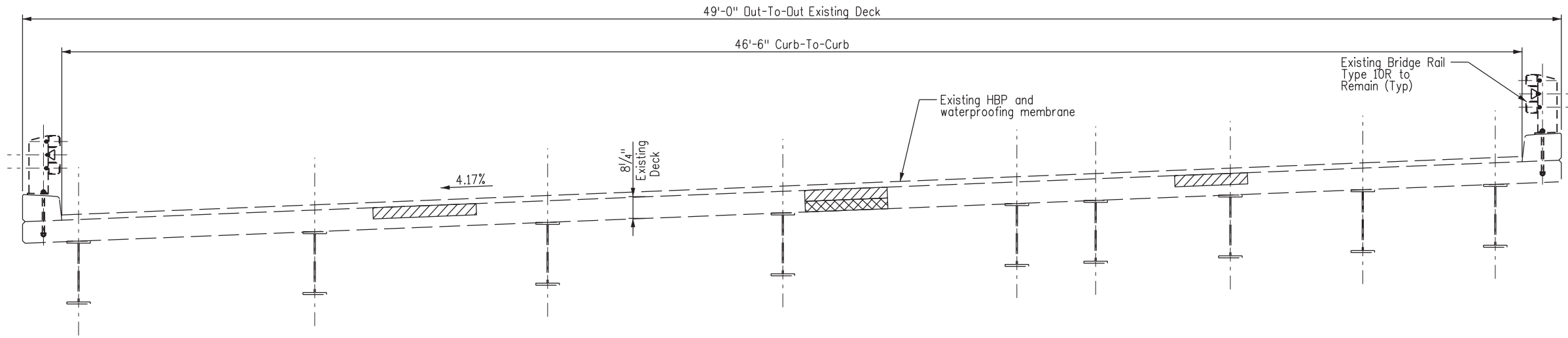
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STA 0503-089
21255
Sheet Number 112

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**LEGEND:**

- Indicates Class 2 removal.
- Approximately half deck thickness Class 2 removal shown. See sht. B13 for Class 2 minimum and maximum removal limits.
- The contractor shall identify in the presence of the engineer the limits of unsound concrete.
- Indicates Class 3 removal.
- Indicates 3" hot mix asphalt over waterproofing (membrane)
- Indicates concrete Class D (Bridge) (Special)



Print Date: 1/25/2017
File Name: US50_SH9-S-B12_K-15_H_TYPSEC.dgn
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**Region 2**      **DW**

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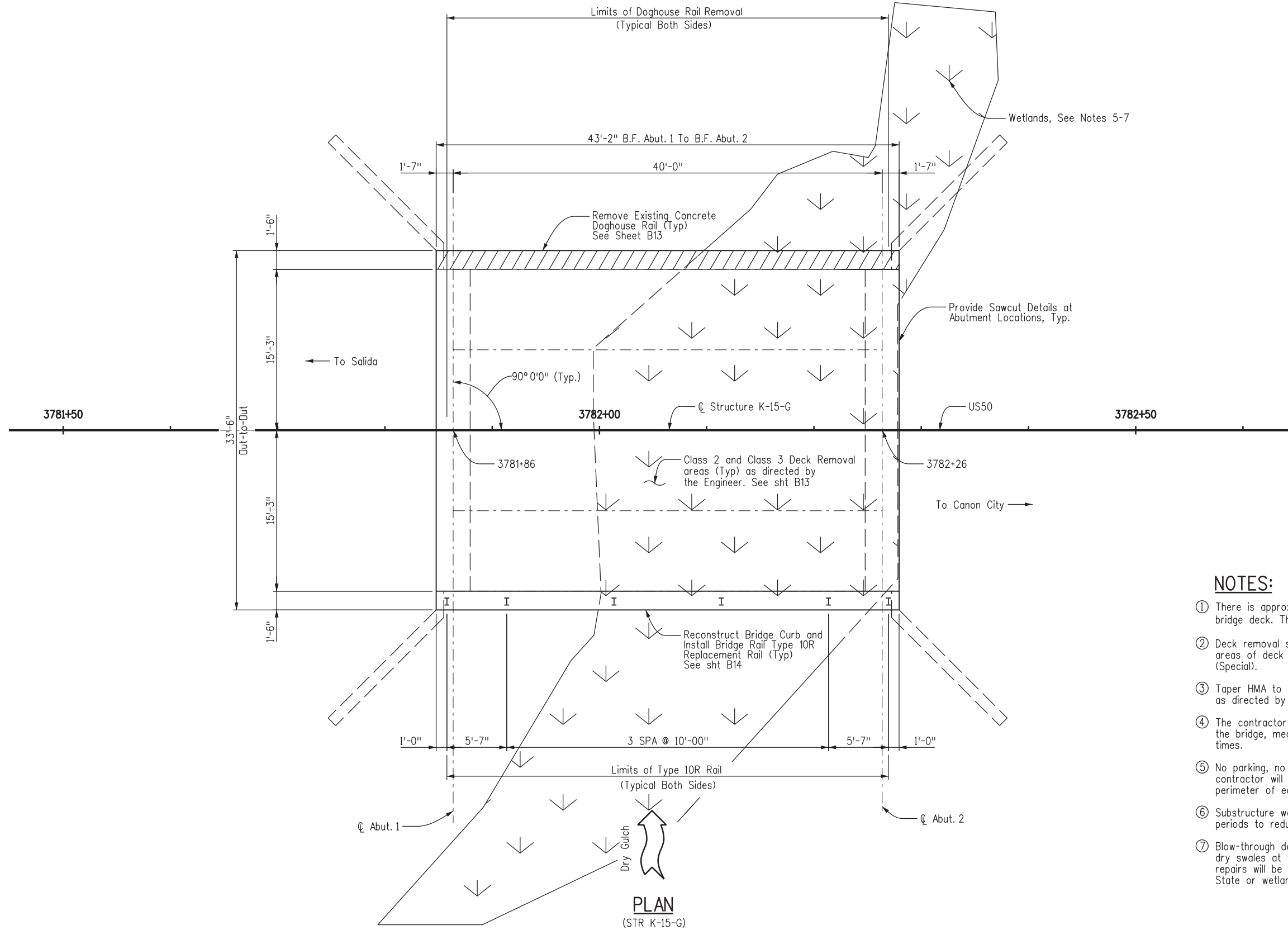
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Designer:	M. SUELAU	Structure Numbers	K-15-H
Detailer:	R. WHITCHER	Subset Sheets:	B10 of B15
Subset:	Bridge		

<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number 113



Design		Detail		Quantities	
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Designed By	Checked By	Detailed By	Checked By	Quantities By	Checked By

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**NOTES:**

- ① There is approximately 3-4 inches of existing asphalt on the bridge deck. The deck thickness is 8¼ inches.
- ② Deck removal shall be in accordance with specifications. Removed areas of deck shall be replaced with Concrete Class D (Bridge) (Special).
- ③ Taper HMA to drain at all existing deck drain locations, as directed by the engineer.
- ④ The contractor shall provide a minimum 14'-0" traffic opening on the bridge, measured from face of curb to face of curb, at all times.
- ⑤ No parking, no staging, no work, no access. Prior to work the contractor will install and maintain plastic fencing along the perimeter of each feature at each bridge to prevent impacts.
- ⑥ Substructure work should be scheduled during low or no flow periods to reduce effects of work on water quality.
- ⑦ Blow-through debris from Class 3 repairs shall be collected from dry swales at the end of each day. Blow-through from Class 3 repairs will be captured before entering flowing Waters of the State or wetlands.

**PLAN**  
(STR K-15-G)

Print Date: 1/25/2017
File Name: US50_SH9-S-B15_K-15_G_GEN_LAY.dgn
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Region 2      DW

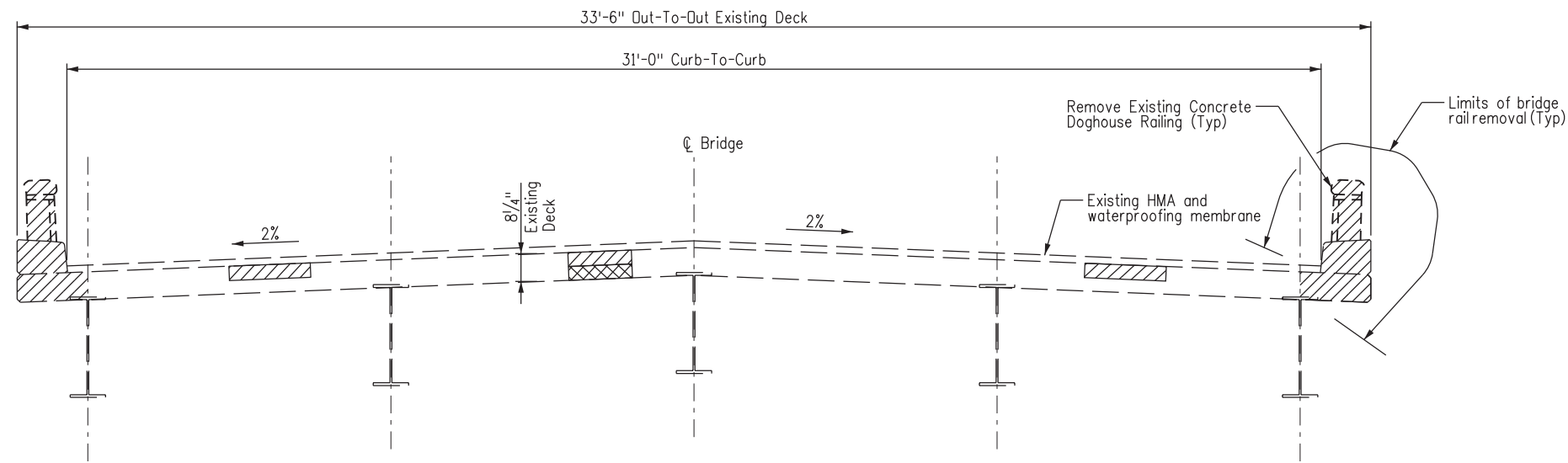
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<b>STR NO. K-15-G</b>			
Designer:	M. SUELAU	Structure	K-15-G
Detailer:	R. WHITCHER	Numbers	
Subset:		Subset Sheets:	B11 of B15

<b>Project No./Code</b>
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Sheet Number 114

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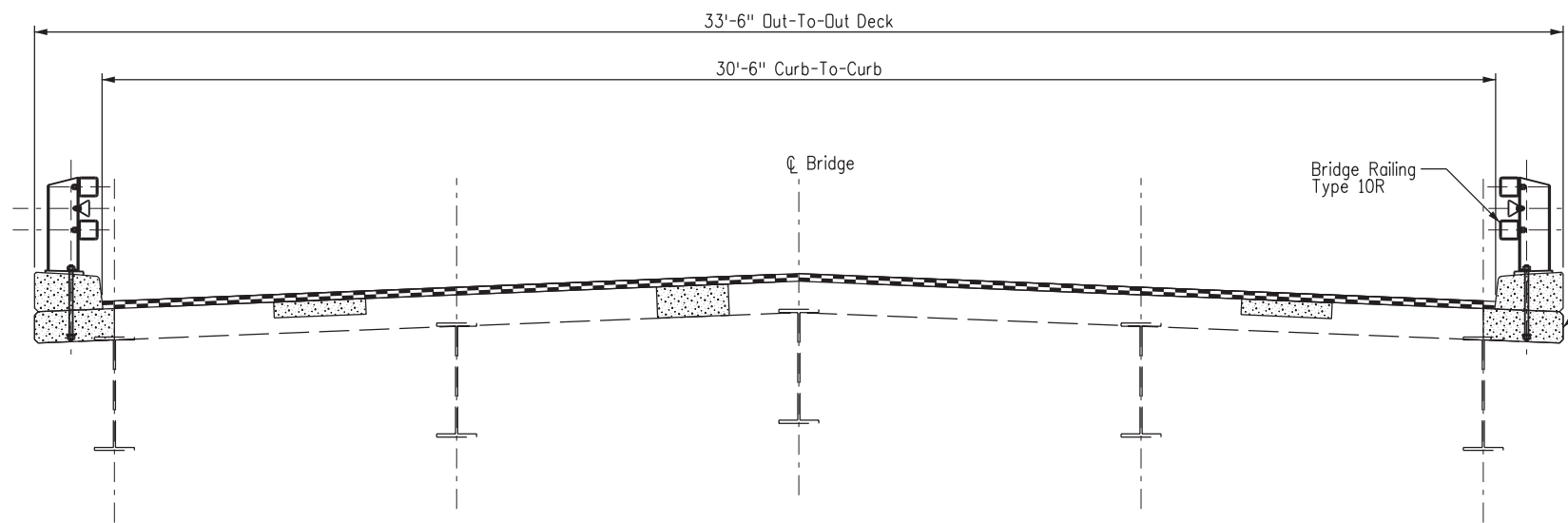
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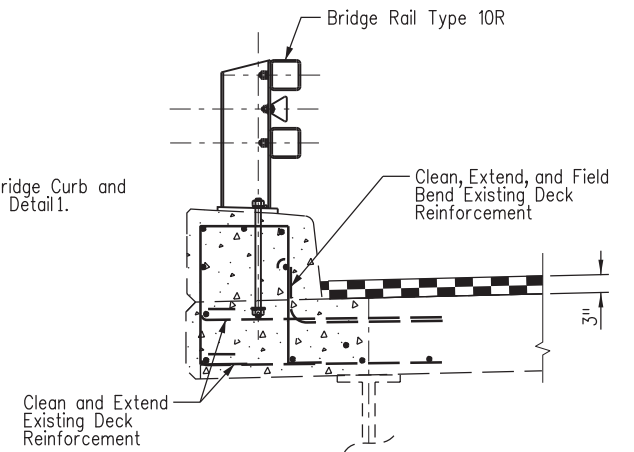
**TYPICAL SECTION**  
(K-15-G)

**LEGEND:**

- Indicates Class 2 removal. Approximately half deck thickness Class 2 removal shown. See sht. B13 For Class 2 minimum and maximum removal limits.
- Indicates Class 3 removal. The contractor shall identify in the presence of the engineer the limits of unsound concrete.
- Indicates 3" hot mix asphalt over waterproofing (membrane)
- Indicates concrete Class D (Bridge) (Special)



**REPAIR SECTION**  
(K-15-G)



**DETAIL 1**  
**BRIDGE RAIL TYPE 10R**

Print Date: 1/25/2017
File Name: US50_SH9-S-B16_K-15_G_TYPSEC.dgn
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TRANSPORTATION
<b>AECOM</b> AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001      www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

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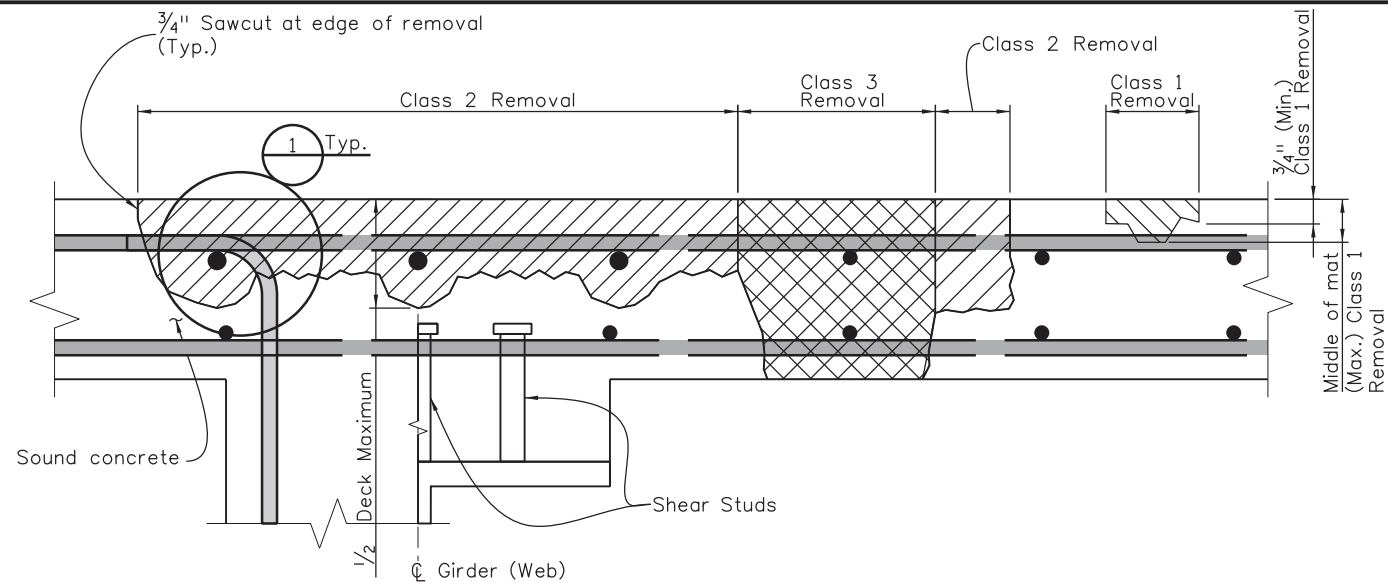
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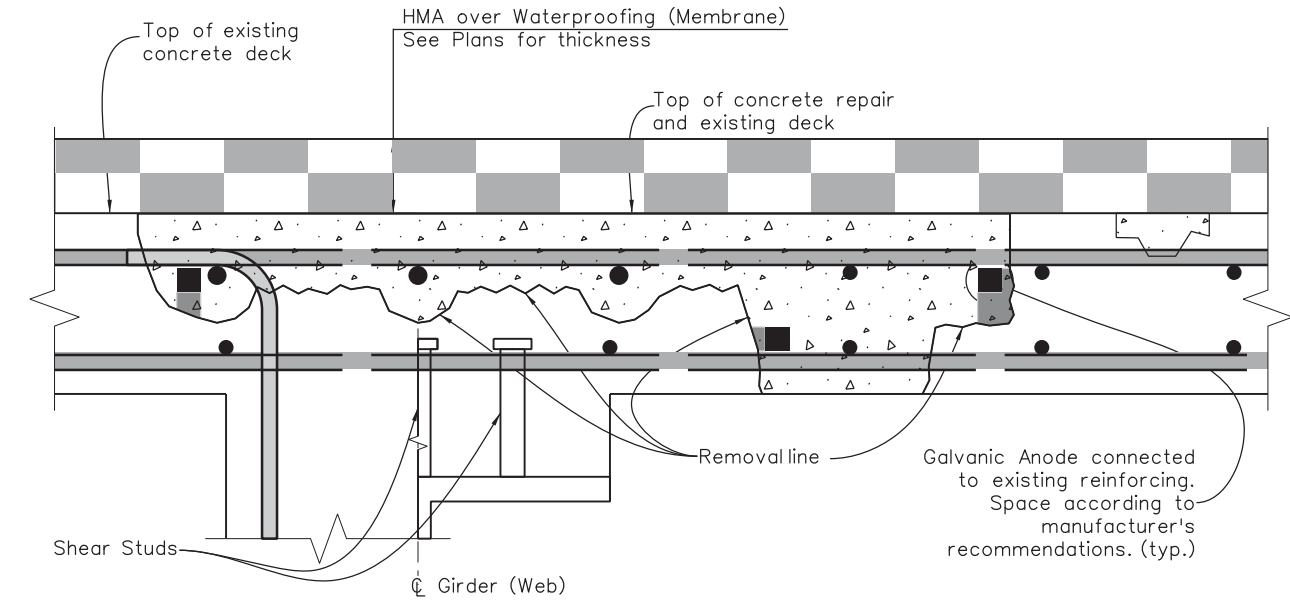
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Designer:	M. SUELAU	Structure	K-15-G
Detailer:	R. WHITCHER	Numbers	
Subset:	Bridge	Subset Sheets:	B12 of B15

<b>Project No./Code</b>
STA 0503-089
21255
Sheet Number 115

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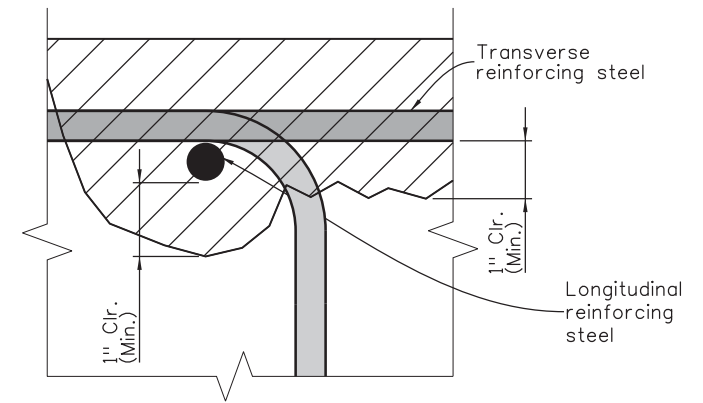
**REMOVAL OF PORTIONS OF PRESENT STRUCTURE (CLASS 1, 2, & 3)**



**CONCRETE REPLACEMENT**

**LEGEND**

- Class 2 Removal:** From top of deck to sound concrete, but not less than 1" clear below the top mat of reinforcing steel. If the bottom mat of reinforcing steel is exposed, then Class 3 removal shall be performed at these locations.
- Class 3 Removal:** From top to bottom of deck, full depth removal.
- Patching Material:** Concrete Class D (Bridge) (Special).
- HMA:** HMA design and thickness as designated in the plans.



**DETAIL 1**

**NOTES**

These details reflect the scope and the nature of the work. They are not intended to represent the actual structure.

The applicable classes of removal shall be as designated by the summary of quantities in the plans.

Plan quantities are estimates. Actual concrete removal and replacement shall be as needed to reach sound concrete or as directed by the Engineer.

Removal operations shall be coordinated with the Engineer and performed in a manner as required to ensure the structural integrity of the bridge.

If Class 3 removal is performed immediately adjacent to, and on both sides of a Cast in Place concrete girder simultaneously within the middle half of a span, that girder shall be shored from the ground at the third points of that span.

If Class 2 or 3 removal is performed on both sides of a Cast in Place concrete girder simultaneously within the quarter of a span on either side of the pier, that girder shall be shored at the third point each side of that pier. This note is not intended to require shoring for "pothole" type repairs of limited extent where at least one half of the longitudinal deck reinforcing is anchored on both sides of the removal area.

If falsework is required, the falsework load capacity required to support the girders shall be determined by the Contractor and approved by the Engineer unless specified otherwise on the plans.

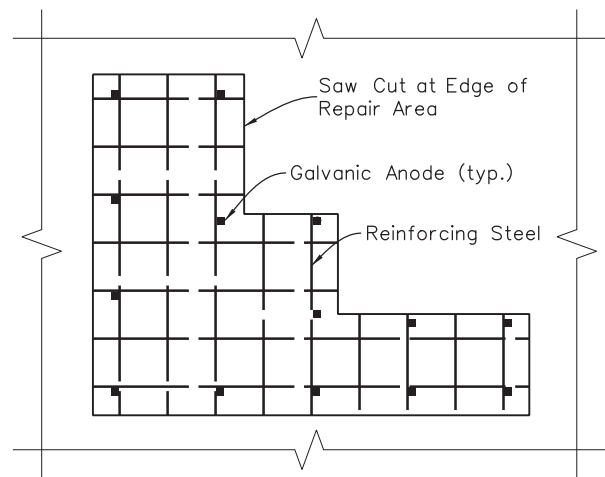
Care shall be taken in removing concrete from around structural steel elements and reinforcing steel to prevent damage to the steel.

All damaged or corroded non-epoxy coated reinforcing steel requires new non-epoxy coated reinforcing steel to be added per Revision of Section 202 Removal of Portions of Present Structure. All exposed non-epoxy coated reinforcing steel shall be cleaned with hand tools, straightened and sandblasted prior to placing concrete.

Galvanic Anode Corrosion protection is required on all areas of exposed non-epoxy or corroded epoxy coated reinforcing prior to placing Concrete. Galvanic Anodes shall be installed per manufacturer's recommendations in accordance with Revision of Section 601 Galvanic Anodes.

Patched deck may be opened to traffic as soon as new concrete has attained required strength.

HMA and Waterproofing membrane shall not be placed until the new concrete has cured for five full days.



**CORROSION PROTECTION**

- ▼ Includes:
- J-15-A
- K-15-W
- K-15-H
- K-15-G

Print Date: 1/25/2017	
File Name: US50_SH9-S-B19_DECK_REH_DET.dgn	
Horiz. Scale: 1:1	Vert. Scale:
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Sheet Revisions		
Date:	Comments	Init.

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**Region 2** **DW**

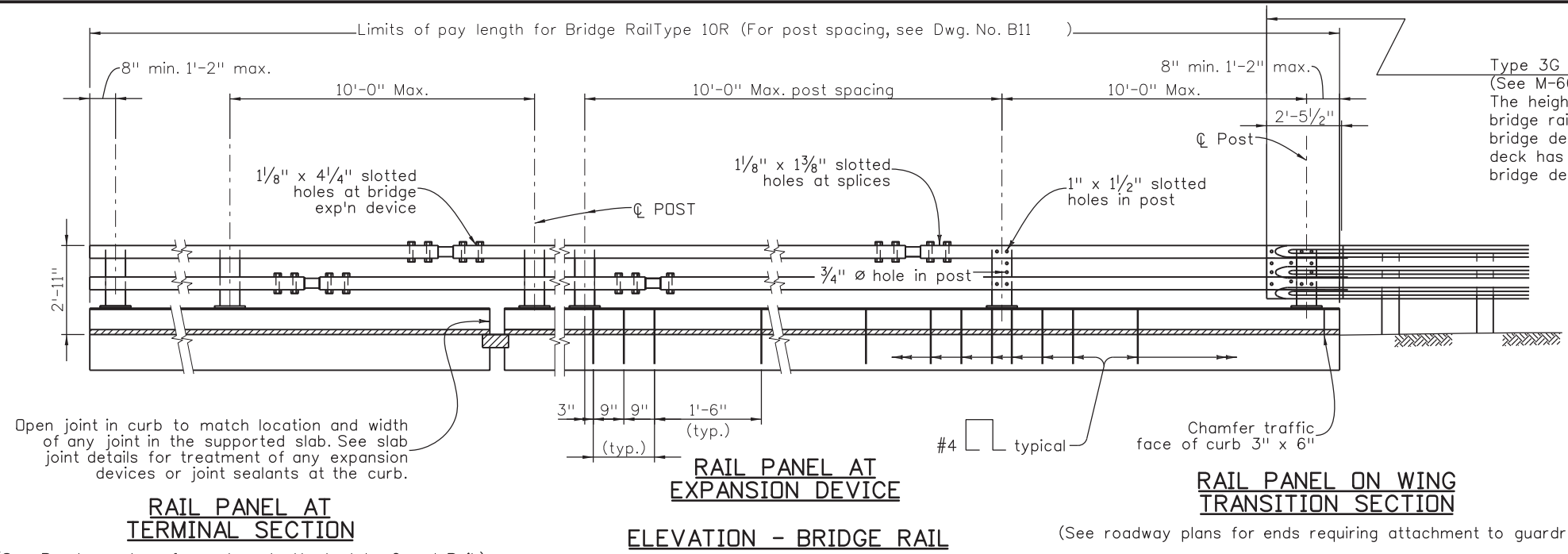
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Revised:		Detailer: L. BUSANSKY	
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<b>Project No./Code</b>	
STA 0503-089	
21255	
Sheet Number	116

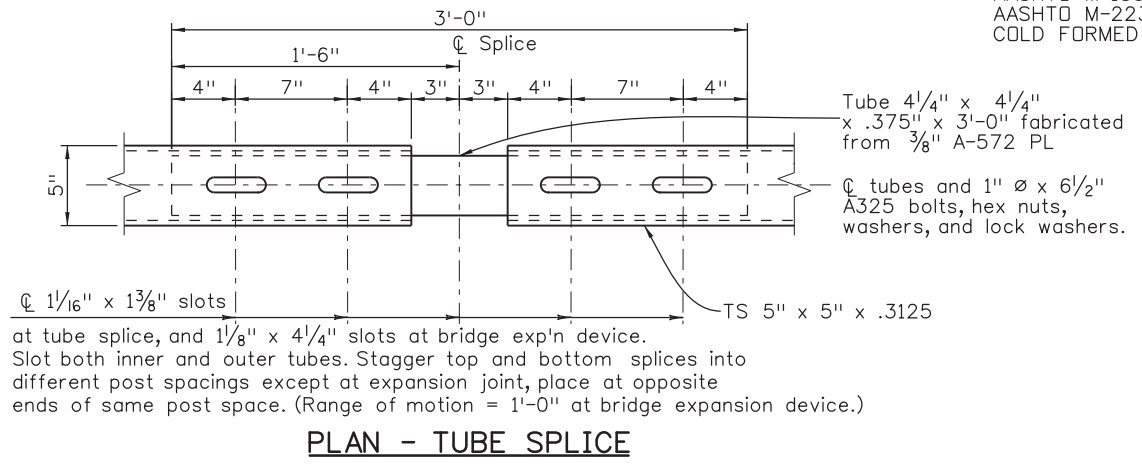
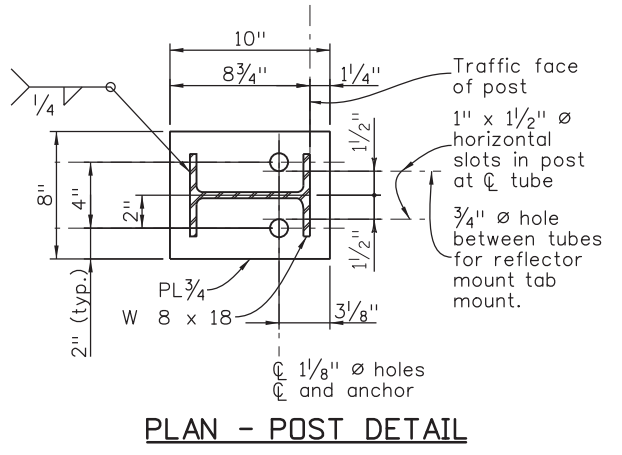
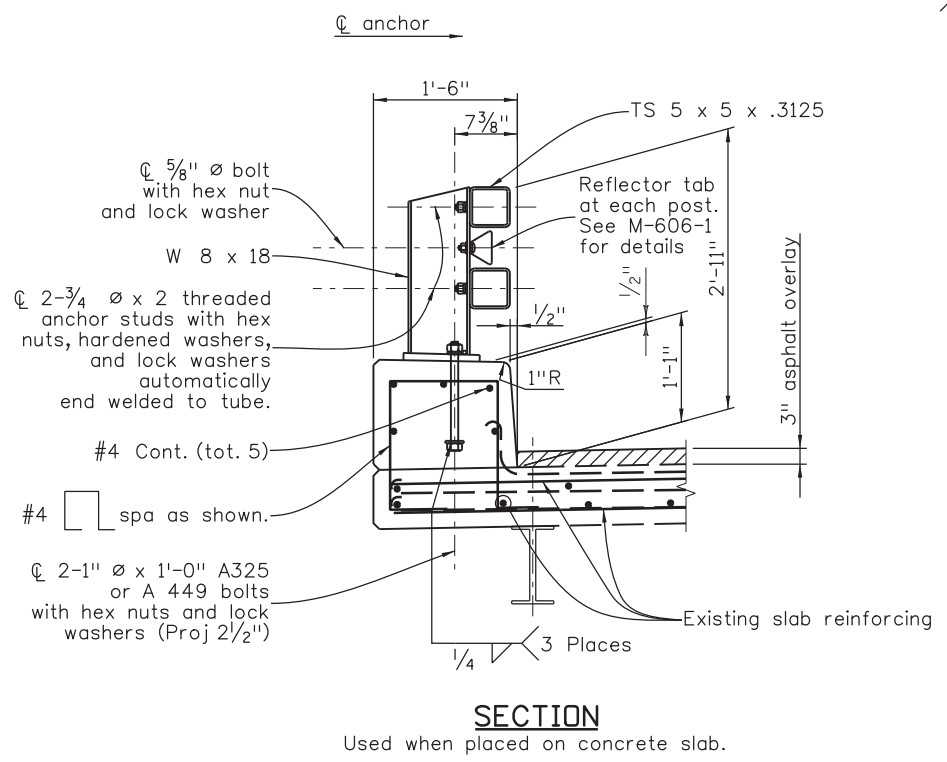


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- NOTES:**
- All tubes shall be ASTM A-500 Grade B. All posts and base plates shall be ASTM A-572 Grade 50. All other steel shall be ASTM A-36 unless otherwise noted.
  - The above material and all anchor bolts and miscellaneous bolts, nuts, and washers shall be galvanized after fabrication in accordance with Section 509. Concrete, reinforcing steel, and structural steel elements shall conform to the requirements of sections 601, 602 and 509, respectively.
  - Post anchor, encased in concrete, shall be ASTM A-36 (AASHTO M-183) steel and need not be galvanized.
  - The tubes shall be shop bent or fabricated to fit horizontal curve when radius is less than 1,500 feet.
  - Tubes shall be continuous over not less than two posts. No welded butt splices will be allowed in the tube sections.
  - The centerline of the tube splice shall be 1'-8" minimum and 2'-6" maximum from the centerline of the posts.
  - All bolts that have lock washers shall be tightened to snug only.
  - Posts shall be perpendicular to the longitudinal roadway grade.
  - One or more 10'-0" post spacings may be reduced (6'-8" min.) in order to maintain dimensions from the end of the rail and expansion joints.
  - Payment will be made under item 606, Bridge Rail type 10R for all posts, post anchors, base plates, backing plates, anchor bolts, miscellaneous bolts, nuts, washers, tubes, tube expansion devices, tube splices, end plates, curb concrete (Class D), curb reinforcing steel, and reflector tabs.
  - Prior to fabrication of this item, three sets of working drawings which comply with the requirements of section 105, shall be submitted to the Engineer for information only.
- Structural Steel:  
 AASHTO M-183 (ASTM A-36)  $f_y = 36,000$  psi  
 AASHTO M-223 (ASTM A-572) GRADE 50  $f_y = 50,000$  psi  
 COLD FORMED ASTM A-500 GRADE B  $f_y = 46,000$  psi



Print Date: 1/25/2017  
 File Name: US50\_SH9-S-B21\_TYPE 10M RAIL.dgn  
 Horiz. Scale: 1:1 Vert. Scale:

TRANSPORTATION  
 AECOM Technical Services, Inc.  
 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920  
 T 719.531.0001 www.aecom.com

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

1480 Quail Lake, Suite A  
 Colorado Springs, CO 80906  
 Phone: 719-634-2323 FAX: 719-227-3298

Region 2 DW

As Constructed
No Revisions:
Revised:
Void:

BRIDGE RAIL TYPE 10R REPLACEMENT RAIL STR NO. K-15-G			
Designer:	M. SUELAU	Structure	K-15-G
Detailer:	L. BUSANSKY	Numbers	
Subset:	Bridge	Subset Sheets:	B14 of B15

Project No./Code	STA 0503-089
	21255
Sheet Number	117

**DESIGN DATA**

J-15-A	Abutment 1	Pier X	Abutment 4
◆ Joint opening "A"	1/2"	0"	1/2"
★ Predicted Horizontal Movement	.04"	0"	.04"

◆ Joint opening "A" for existing structure was determined from the existing plans and must be field verified before ordering or fabricating bridging plate.

★ The maximum predicted horizontal joint movement is based on a temperature drop of 60°F for concrete girders and 80°F for steel girders.

**BRIDGING PLATE SIZES:**

"A"	THICKNESS	WIDTH	MINIMUM LENGTH
0"-1"	1/4"	5"	4'-0"
1"-2"	3/8"	7"	4'-0"
2"-3"	3/8"	9"	4'-0"
3"-4"	1/2"	11"	4'-0"
4"-5"	1/2"	13"	4'-0"
5"-6"	5/8"	15"	4'-0"

**NOTES:**

The plug joint system shall include all labor and materials to install the expansion joint according to the Manufacturer's directions and according to these plans.

The blockout shall be formed or cut to full depth and ground to provide a uniform bearing surface for the bridging plate.

Bridging plates shall not rock on their supports prior to placing plug joint material.

The bridging plates shall be A36 steel as shown on the Table A or equivalent approved by the Engineer. It shall be installed in accordance with the Manufacturer's directions. All bridging plates shall have locator pins or bars for centralizers.

The backer rod shall be secured and sealed according to the Manufacturer's directions.

The joint bonding agent shall be the type recommended by the Manufacturer for the joint system being installed. It shall be applied according to the Manufacturer's recommendations.

All surfaces in joint opening shall be cleaned according to the Manufacturer's directions.

The joints shall be installed and compacted according to the Manufacturer's procedures. The finished joint, after compacting and sealing, shall be flush with the top of the adjacent wearing surface.

A representative of the Manufacturer shall be on site prior to and during installation of the plug joints and shall approve the methods and materials before work commences.

The Asphaltic Binder shall not be overheated, either by absolute temperature limits of the material, or by extended time at a lower high temperature. Material that is overheated shall be discarded.

For construction requirements see section 518.08 of Standard Specifications.

Seal top of curb as directed by the Engineer.

Sealing the face of the curb or barrier will not be paid for separately, but will be included in the work.

For information only: it is estimated that xxx cu. ft. of compacted joint material is required.

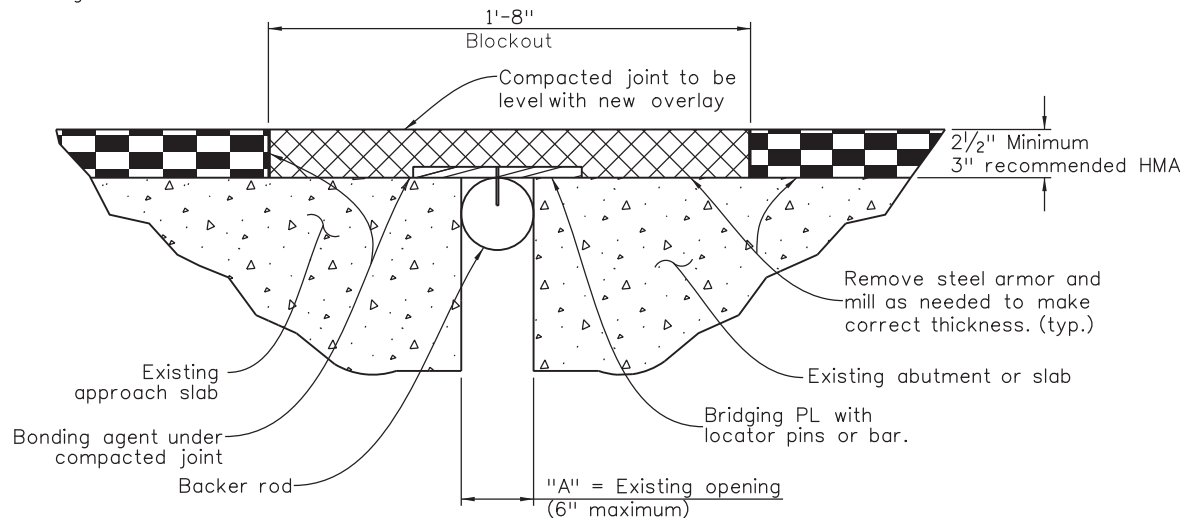
The Contractor shall be prepared to provide temporary cover plates in case the work must be suspended prior to opening the structure to traffic.

**ACCEPTABLE EXPANSION DEVICE ALTERNATES**

All Asphaltic Plug Joint materials need a Certified Test Report (CTR) from an independent laboratory showing passing test results on all referenced tests within the most recent ASTM D 6297 using granite blocks for each lot of material to be included on the APL.

A list of current Pre-Approved Lot numbers, Suppliers, and the Procedure to register new suppliers can be found on CDOT Approved Products List Web site at:  
<http://apps.coloradodot.info/apl/AplSearch.cfm>

- ▼ Includes:
- J-15-A
- K-15-W
- K-15-H
- K-15-G



At these structures:

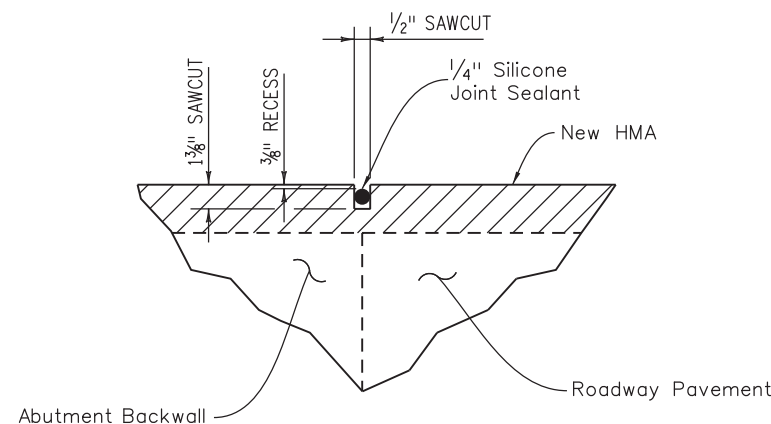
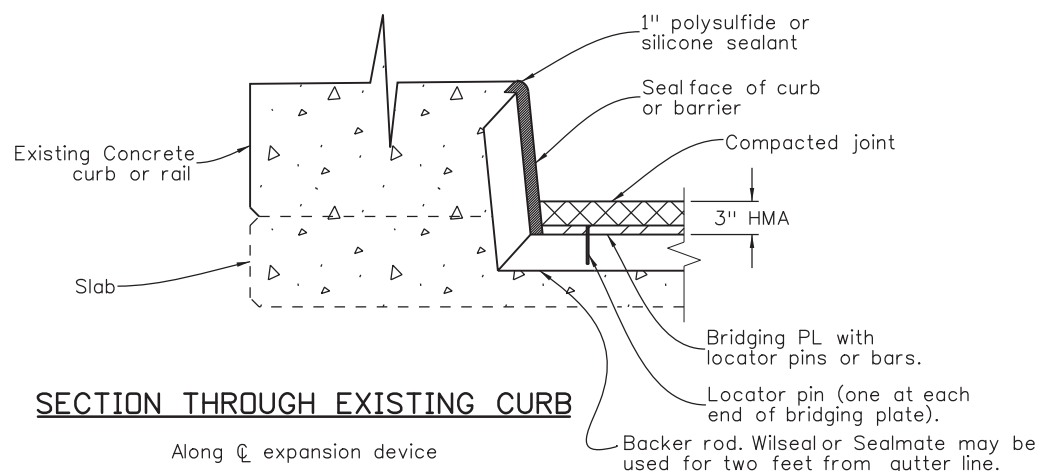
Temperature Extremes:  
 Cold for mountains  
 Hot for plains

Truck Traffic:  
 ≥ 2500 ADTT For high truck traffic  
 < 2500 ADTT For moderate truck traffic

Stop and Go Traffic:  
 Common for controlled intersections  
 Uncommon for everything else

**JOINT REHABILITATION DETAIL WITH EXISTING END DAMS**

Typical detail shown.



**SAWCUT DETAIL**

SAWCUT SHALL BE ALIGNED DIRECTLY ABOVE JOINT. ABUTMENT JOINT SHOWN. APPROACH SLAB JOINT SIMILAR. THE COST OF THE ABOVE SHALL BE INCLUDED IN THE COST OF ITEM 518 SAWING AND SEALING BRIDGE JOINT.

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Design		Detail		Quantities	
INITIAL	DATE	INITIAL	DATE	INITIAL	DATE
MS	11/16	RW	11/16	MS	11/16
GM	11/16	GMM	11/16	GMM	11/16
Designed By		Detailed By		Quantities By	
Checked By		Checked By		Checked By	

Print Date: 1/25/2017	<b>Sheet Revisions</b>			Colorado Department of Transportation  1480 Quail Lake, Suite A Colorado Springs, CO 80906 Phone: 719-634-2323 FAX: 719-227-3298 Region 2 DW	As Constructed	<b>JOINT DETAILS</b>		Project No./Code
File Name: US50_SH9-S-B22_PLUG JT.dgn	Date:	Comments	Init.		No Revisions:			STA 0503-089
Horiz. Scale: 1:1					Revised:	Designer: M. SUELAU	Structure Numbers	21255
Vert. Scale:					Void:	Detailer: R. WHITCHER	Subset Sheets: B15 of B15	Sheet Number 118
TRANSPORTATION AECOM Technical Services, Inc. 2315 Bluffgate Parkway, Suite 150 Colorado Springs, CO 80920 T 719.531.0001		www.aecom.com				Subset: Bridge		