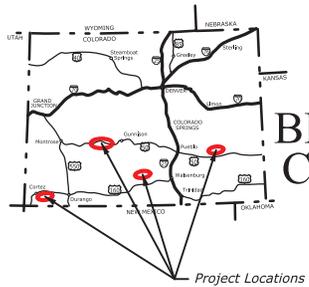


STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	A.1



COLORADO KEY MAP

U.S. DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE BENT'S OLD FORT NATIONAL HISTORIC SITE (BEOL) CURECANTI NATIONAL RECREATION AREA (CURE) GREAT SAND DUNES NATIONAL PARK (GRSA) MESA VERDE NATIONAL PARK (MEVE)

PAVEMENT PRESERVATION COLORADO

PLANS FOR PROPOSED PROJECT

CO NP MULTI PMS(1)
PMIS PKG. NO 326427, 326392, 326375,
326379



TYPE OF CONSTRUCTION:

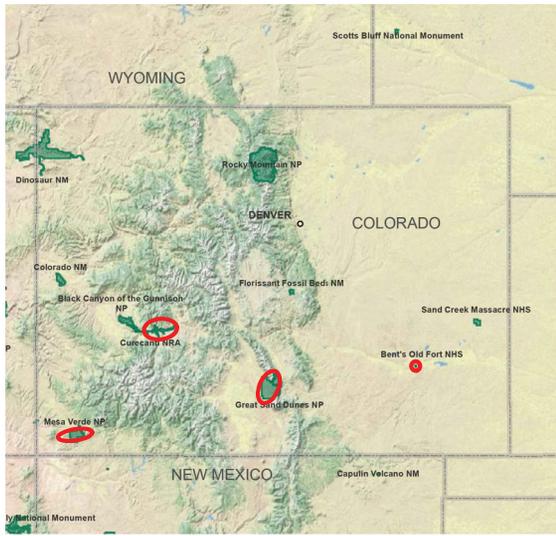
Resurfacing

SPECIFICATION:

Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-14

ALAMOSA, GUNNISON, MONTEZUMA,
MONTROSE AND OTERO COUNTIES, COLORADO

LENGTH BASE 37.3 MILES & PARKING AREAS



N.T.S.



PLANS PREPARED BY



FOR

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

WESTERN FEDERAL LANDS HIGHWAY DIVISION
VANCOUVER, WASHINGTON

PROJECT MANAGER
K. GRAY

INDEX TO SHEETS

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B.1	SUMMARY OF QUANTITIES
C.	TYPICAL SECTIONS
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C.3	ASPHALT PAVEMENT CRACK SEALING AND FILLING
C.4	ASPHALT CONCRETE PAVEMENT PATCH TYPE 1 & 2 DETAILS
C.5	MINOR CONCRETE JOINTS REPAIR DETAIL
D.	PLANS
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E.	TEMPORARY TRAFFIC CONTROL
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F.7-F.14	PERMANENT TRAFFIC CONTROL DETAILS

APPROVED:

BRENT L COE

Digitally signed by BRENT L COE
Date: 2022.09.07 15:02:24 -07'00'
DATE:

Chief of Engineering
Western Federal Lands Highway Division

Janet Frederick for James West by letter DATE: 8-15-2022

Superintendent,
Bent's Old Fort National Historic Site

Deanna Greco by letter DATE: 8-15-2022

Superintendent,
Curecanti National Recreation Area

Pamela Rice by letter DATE: 8-22-2022

Superintendent,
Great Sand Dunes National Park

Kayci Cook Collins by letter DATE: 8-15-2022

Superintendent,
Mesa Verde National Park

... \Sheets \A \title sheet.dgn

06-Sep-2022 02:04 PM

SUMMARY OF QUANTITIES

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	B.1

NPS PMIS NO.: 326427, 326392, 326375, 326379

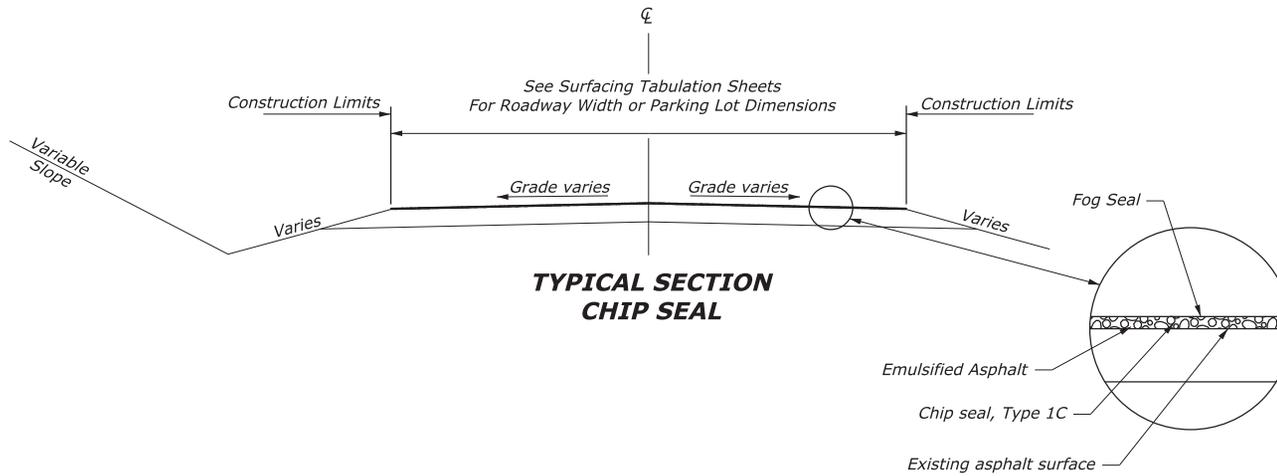
A M E N D	Line Item No.	Pay Item Number	Pay Item Description	Unit	Sheet and Description				Estimated Quantities	Remarks and/or Determination of Estimated Quantity
					SECTION D	SECTION E	SECTION F		Bid Schedule	
					PLANS	TEMPORARY TRAFFIC CONTROL	PERMANENT TRAFFIC CONTROL	ALLOWANCE		
	A0020	15101-0000	MOBILIZATION	LPSM					ALL	
	A0040	15301-0000	CONTRACTOR QUALITY CONTROL	LPSM					ALL	
	A0060	15401-0000	CONTRACTOR TESTING	LPSM					ALL	
	A0080	15501-0000	CONSTRUCTION SCHEDULE	LPSM					ALL	
	A0100	40601-0000	FOG SEAL	TON	317			18	335	
	A0140	40702-0300	CHIP SEAL, TYPE 1C	SQYD	458,597			16,403	475,000	
	A0180	40711-0000	EMULSIFIED ASPHALT	TON	822			48	870	
	A0200	40712-0000	BLOTTER	TON					40	
	A0220	40901-2000	MICRO SURFACING, TYPE 2	SQYD	246,303			8,697	255,000	
	A0240	41401-3000	CRACKS, CLEANING AND FILLING	LNFT	750			50	800	
	A0260	41402-2000	CRACKS, CLEANING AND SEALING	MILE	19.8			0.2	20.0	
	A0280	41801-1000	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 1	SQYD	587			53	640	
	A0300	41801-2000	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 2	SQYD	8,035			965	9,000	
	A0320	50202-0000	SEALING JOINTS AND CRACKS	LNFT	14,000			1,000	15,000	
	A0340	62201-0250	DUMP TRUCK, 10 CUBIC YARD MINIMUM CAPACITY	HOUR					80	
	A0360	62201-0450	BACKHOE LOADER, 4 CUBIC FOOT MINIMUM RATED CAPACITY BUCKET, 18-INCH WIDTH	HOUR					80	
	A0380	62201-2360	VACUUM SWEEPER	HOUR					80	
	A0400	62301-0000	GENERAL LABOR	HOUR					80	
	A0420	63313-0000	RUMBLE STRIP (CENTERLINE)	LNFT			105,442	4,558	110,000	
	A0440	63315-0000	RUMBLE STRIP	SQYD			84	6	90	
	A0460	63401-0000	PAVEMENT MARKINGS (TYPE B)	LNFT			1,462,942	37,058	1,500,000	
	A0480	63405-0050	PAVEMENT MARKINGS, SYMBOLS (TYPE B)	EACH			246	9	255	
	A0500	63407-0200	RECESSED PAVEMENT MARKER, BI-DIRECTIONAL REFLECTIVE	EACH			93	7	100	
	A0520	63502-0700	TEMPORARY TRAFFIC CONTROL, CONE	EACH		440			440	
	A0540	63502-2000	TEMPORARY TRAFFIC CONTROL, PORTABLE CHANGEABLE MESSAGE SIGN	EACH		4			4	
	A0560	63503-0700	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKINGS	LNFT		163,349		16,651	180,000	
	A0580	63504-1000	TEMPORARY TRAFFIC CONTROL, CONSTRUCTION SIGN	SQFT		307		93	400	
	A0600	63506-0500	TEMPORARY TRAFFIC CONTROL, FLAGGER	HOUR		6,000			6,000	
	A0620	63506-0600	TEMPORARY TRAFFIC CONTROL, PILOT CAR	HOUR		300			300	
	A0640	63507-0700	TEMPORARY TRAFFIC CONTROL, TRAFFIC CONTROL SUPERVISOR	DAY		100			100	



MileStone: Final
 Date Completed: 09/06/22
 Report Date: 09/06/22

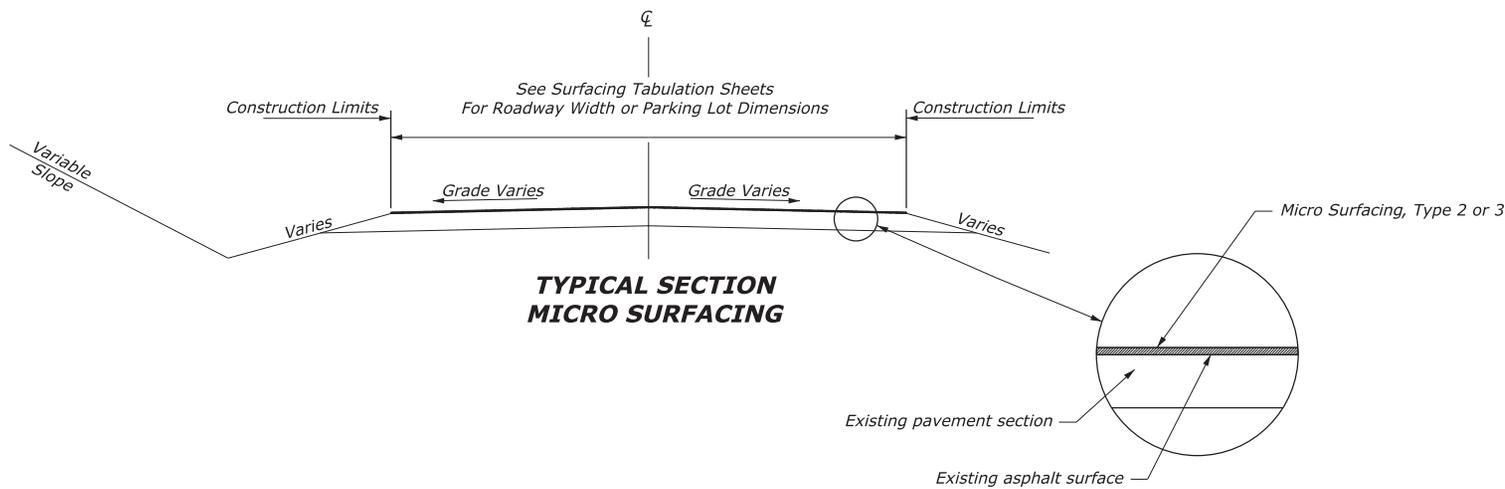
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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	C.1



NOTE:

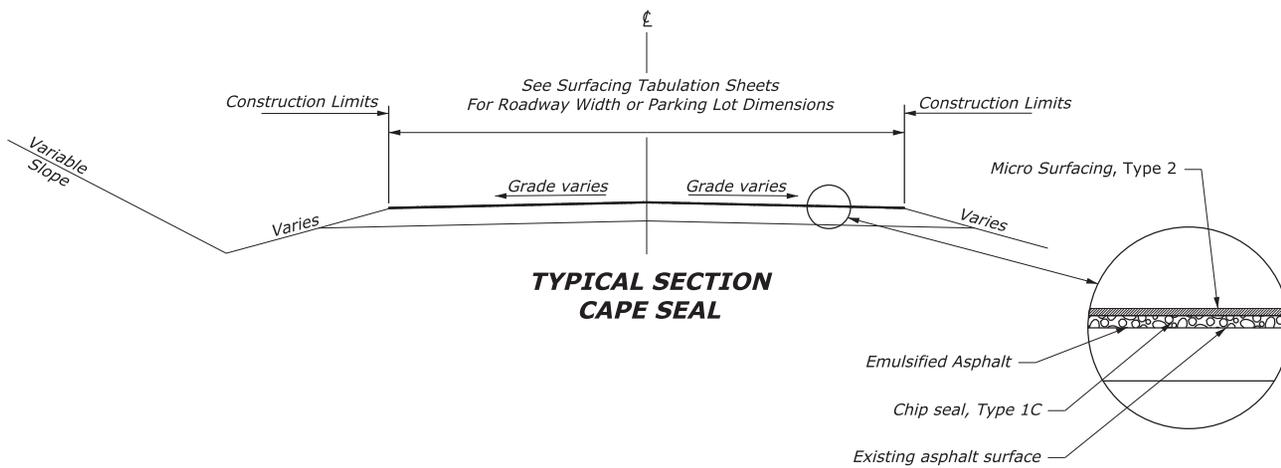
1. Refer to Surfacing Tabulation Sheet D.1-D.12 for width and extent of asphalt surface treatment.
2. Protect project timber curbs, asphalt curbs, stone curbs, concrete curb & gutter, concrete barriers, concrete and cobble stone islands, stone wall, manholes, snow pole sleeves, water valves, and all other appurtenances during all surface treatment operations.
3. Patch surface and seal/fill cracks prior to micro-surfacing or chip sealing. See section D for locations.
4. Fog seal pavement edge to pavement edge, including adjacent asphalt curb and paved ditch where present, for chip seal.



TYPICAL SECTIONS

NO SCALE

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	C.2



1. Refer to Surfacing Tabulation Sheet D.1-D.12 for width and extent of asphalt surface treatment.
2. Protect project timber curbs, asphalt curbs, stone curbs, concrete curb & gutter, concrete barriers, concrete and cobble stone islands, stone wall, manholes, snow pole sleeves, water valves, and all other appurtenances during all surface treatment operations.
3. Patch surface and seal/fill cracks prior to micro-surfacing or chip sealing. See section D for locations.
4. Fog seal pavement edge to pavement edge, including adjacent asphalt curb and paved ditch where present, for chip seal.



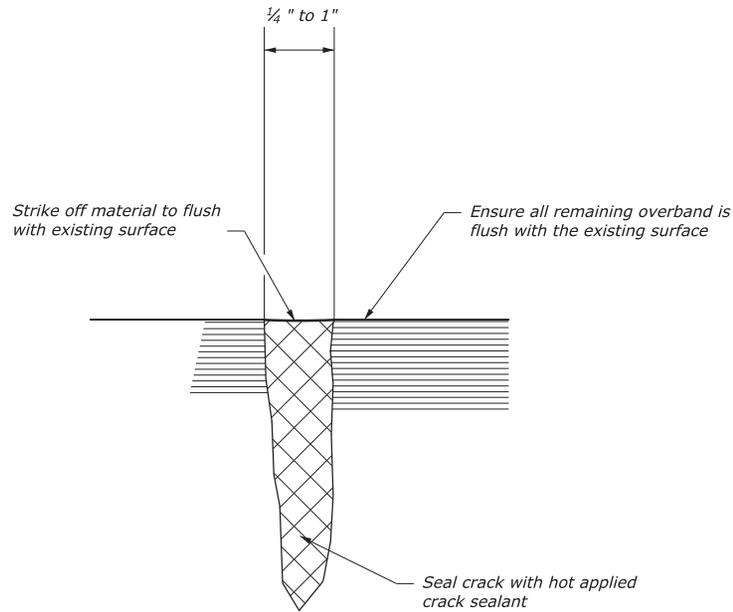
TYPICAL SECTIONS

NO SCALE

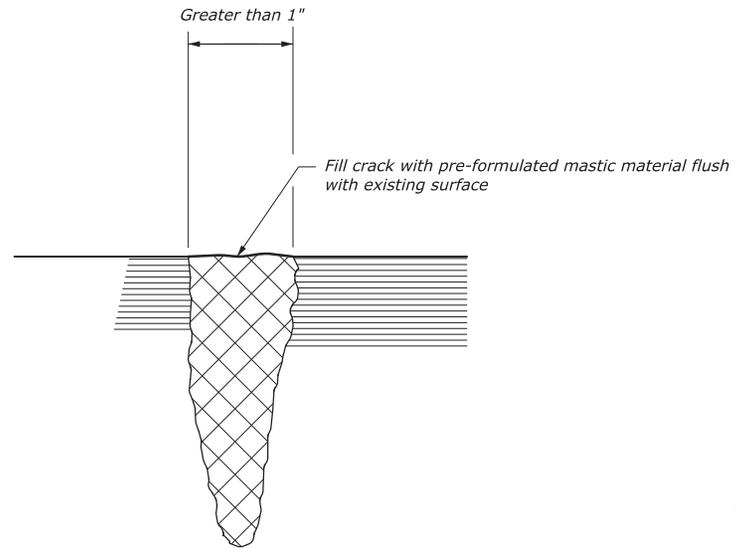
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	C.3

NOTE:

1. Seal and fill cracks at locations designated by the CO.
2. Parking area crack sealing converted to units of miles (22' width).



CRACK SEALING



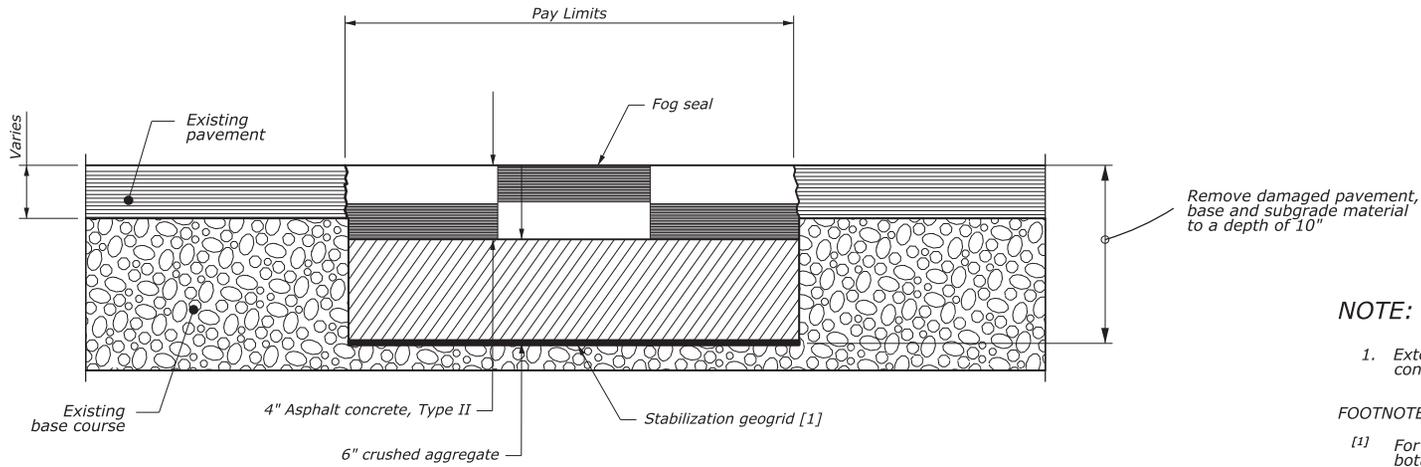
CRACK FILLING

CRACK SEALING AND FILLING



**ASPHALT PAVEMENT
CRACK SEALING AND FILLING**

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	C.4



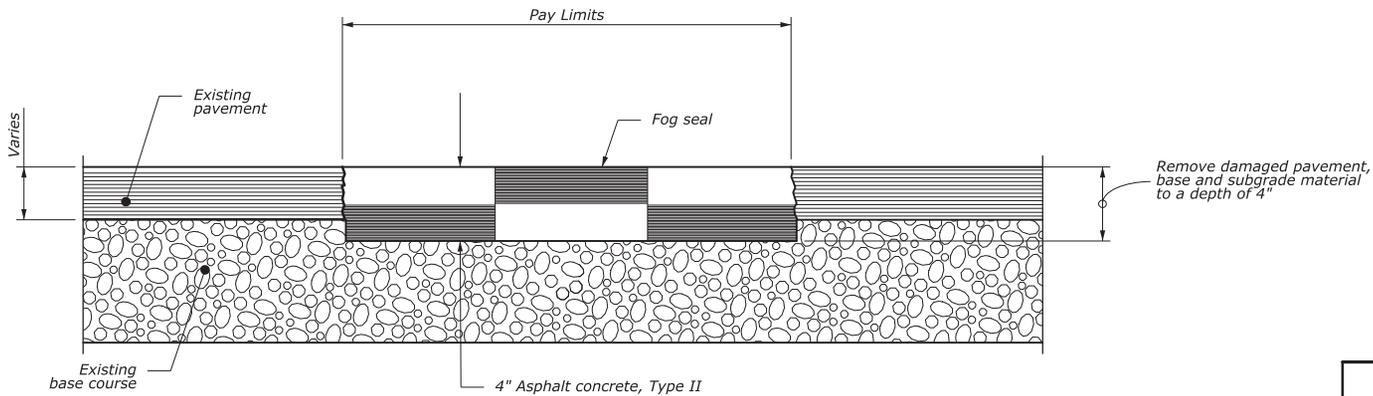
FULL DEPTH PATCH TYPE 1

NOTE:

1. Extent of patch to be determined by the CO based on conditions encountered at time of construction.

FOOTNOTE:

- ^[1] For Type 1 patch, place stabilization geogrid between bottom of crushed aggregate and existing base course.



FULL DEPTH PATCH TYPE 2



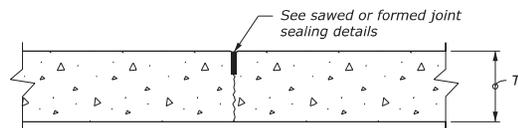
James Mills
Digitally signed by James Mills
 DN: cn=James Mills, o=Qualifiers Agency, ou=Colorado, c=US
 Date: 2022.09.16 09:52 AM

**ASPHALT CONCRETE PAVEMENT
 PATCH TYPE 1 & 2 DETAILS**

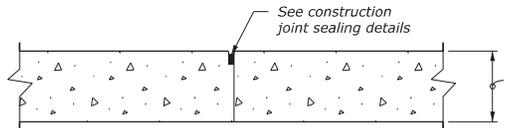
NO SCALE

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	C.5

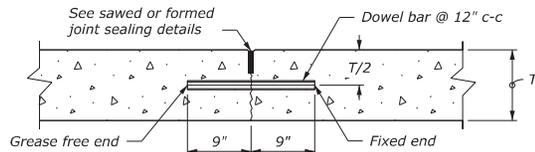
NPS PMIS NO.: 326379



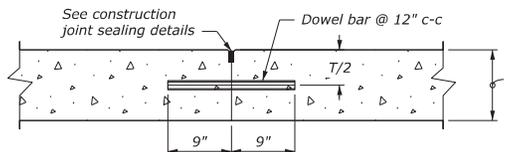
CONTRACTION JOINT
UNDOWELED - TRANSVERSE and
UNTIED - LONGITUDINAL



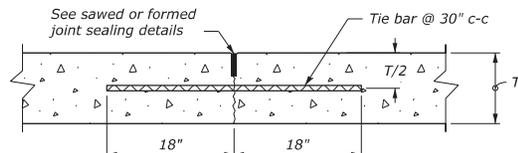
CONSTRUCTION JOINT
PLAIN - TRANSVERSE or LONGITUDINAL



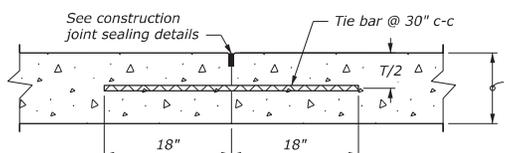
CONTRACTION JOINT
DOWELED - TRANSVERSE



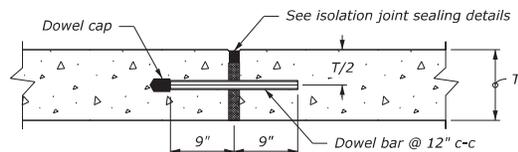
CONSTRUCTION JOINT
DOWEL BUTT - TRANSVERSE



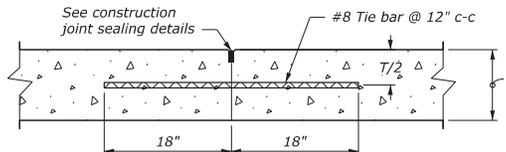
CONTRACTION JOINT
TIED - LONGITUDINAL



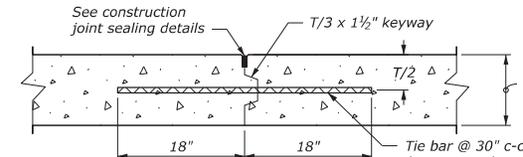
CONSTRUCTION JOINT
TIED BUTT - LONGITUDINAL



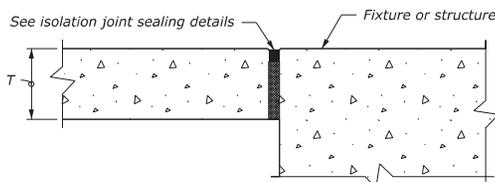
ISOLATION/EXPANSION JOINT
DOWELED - TRANSVERSE



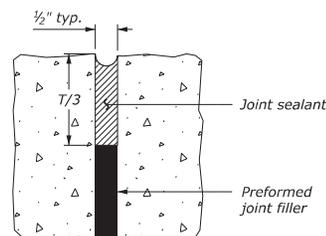
CONSTRUCTION JOINT
TIED BUTT - TRANSVERSE



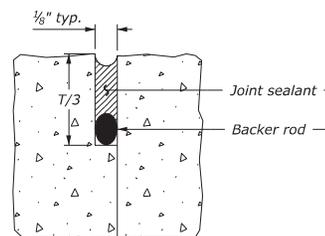
CONSTRUCTION JOINT
KEYWAY - LONGITUDINAL



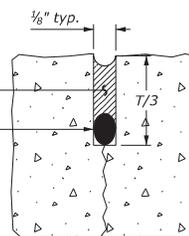
ISOLATION JOINT
UNDOWELED - LONGITUDINAL



ISOLATION JOINT



CONSTRUCTION JOINT



SAWED OR FORMED JOINT

BAR SIZES		
PAVEMENT THICKNESS (T) (in)	TIE BAR	DOWEL BAR DIAMETER (in)
$T \leq 8$	#5	1
$8 < T \leq 10$	#5	1 1/4
$10 < T \leq 12$	#6	1 1/2

NO SCALE

MINOR CONCRETE PAVEMENT JOINT SEALING DETAILS

NOTE:

1. Use epoxy-coated material for all tie bars, dowels, and other steel used in the construction of concrete pavement.
2. Deformed reinforcing bars or hook bolts may be used for tie bars.
3. Do not place tie bars within 15 inches of transverse joints.
4. Install isolation joints when abutting a fixed structure. Use expansion joint material extending the full depth and length of the concrete surface.
5. Transverse and longitudinal construction joints are not included in the joint layout plan. Use transverse and longitudinal construction joints sparingly. Submit planned construction joint locations for approval.
6. For construction joints, if tie bars and dowels are not set into concrete during placement, drill and anchor the tie bars and dowels into the existing concrete construction with epoxy resin.
7. Maintain joint sealant shape factor of 1:1; except when silicone sealant is used maintain the width to depth shape factor of 2:1 or as recommended by sealant manufacturer.
8. See Section 712 for joint material requirements.
9. See Standards 501-1 or 502-1 for reinforcement details.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD	
MINOR CONCRETE PAVEMENT JOINTS	
STANDARD APPROVED FOR USE	STANDARD
REVISED: 9/2016	501-2

SURFACING TABULATION SHEET

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.2

BID ITEM NUMBER							40601-0000	40702-0300	40711-0000	40901-2000	41401-3000	41402-2000	41801-1000	41801-2000	50202-0000
ROUTE NUMBER	ROUTE NAME	FMSS No.	MILE TO MILE	LENGTH	WIDTH	FOG SEAL	CHIP SEAL, TYPE 1C	EMULSIFIED ASPHALT	MICRO SURFACING, TYPE 2	CRACKS, CLEANING AND FILLING	CRACK, CLEANING AND SEALING	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 1	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 2	SEALING JOINTS AND CRACKS	
							TON	SQYD	TON	SQYD	LNFT	MILE	SQYD	SQYD	LNFT
							FT	FT	TON	SQYD	LNFT	MILE	SQYD	SQYD	LNFT
0010	Elk Creek Entrance Road	79442	0.00	0.58	3,062	20.8	4.6	7,077	12.7					200	
0010	(2) Pullouts	79442			4,500		0.3	500	0.9					0.04	
0100	Lake Fork Campground Road	90805	0.00	0.18	950	23.7				2,502					
0200	Iola Road	90834	0.00	0.22	1,162	21.2	1.8	2,737	4.9			0.22		27	
0207AZ	Elk Creek Campground Road A	90836	0.00	0.46	2,429	21.3	3.7	5,749	10.3			0.46		73	
0207AZ	(2) Driveways, (1) Pullout	90836			9,600					1,067		0.08			
0207BZ	Elk Creek Campground Road B	90836	0.00	0.10	528	12.0	0.5	704	1.3			0.10			
0207BZ	Loop Connectors	90836			3,520		0.3	391	0.7			0.03			
0220	Elk Creek Service Road	90837	0.00	0.34	1,795	17.0	2.2	3,391	6.1			0.34		110	
0221	Old US Highway 50	83617	0.00	0.37	1,954	23.0	3.2	4,994	8.9			0.37		155	
0226	Elk Creek Campground Loop A	90842	0.00	0.42	2,218	15.8				3,894			13	Remove and reset wheel stops	
0226	(3) Pullouts, (45) Slips	90842			24,280					2,698					
0227	Elk Creek Campground Loop B	90843	0.00	0.31	1,637	13.2				2,401			31	Remove and reset wheel stops	
0227	(2) Pullouts, (42) Slips	90843			22,300					2,478					
0228	Elk Creek Campground Loop C	90844	0.00	0.29	1,531	14.0				2,382			133		
0228	(1) Pullout, (32) Slips	90844			16,080					1,787					
0229	Elk Creek Campground Loop D	90845	0.00	0.44	2,323	15.3				3,949			476	Do not treat concrete pads	
0229	(1) Pullout, (28) Slips	90845			10,800					1,200					
0230	Cimarron Campground Loop	90846	0.00	0.30	1,584	15.9				2,798			282		
0230	(22) Slips	90846			9,900					1,100					
0240	Lake Fork Lower Campground Road	238291	0.00	0.22	1,162	21.6				2,789					
0240	(5) Pullouts	238291			22,400					2,489					
0241	Lake Fork Upper Campground Loop	90865	0.00	0.29	1,531	32.2				5,478			152		
0241	(11) Pullouts	90865			22,200					2,467					
0400	Elk Creek Maintenance Road	90851	0.00	0.22	1,162	22.3	1.9	2,879	5.2				67		



SHEET TOTAL	18.5	28,422	51.0	64,238		3.74		2,358
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Material Application Rates and Weights Used for Estimating Purposes		
These values are for estimating purposes only and application rates and weight may change based on actual test strip and field results.		
145.2 = Hot Asphalt Concrete (lbs/cuft)	0.43 = Emulsified Asphalt (Gal./sqyd)	NOTE: Protect curbs, stone curbs, curb and gutter, inlets, grates, rock walls, cattle guards, manhole covers, concrete swales, wheel stops, concrete bridge, sidewalks, buildings, valves, etc.
0.15 = Fog Seal (Gal./sqyd)	240.0 = Emulsified Asphalt (Gal./ton)	
233.0 = Fog Seal (Gal./ton)	0.10 = Tack Coat (Gal./sqyd)	
	233.0 = Tack Coat (Gal./ton)	

TABULATION OF SURFACING QUANTITIES

CURECANTI NATIONAL RECREATION AREA

SURFACING TABULATION SHEET

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.4

BID ITEM NUMBER										40601-0000	40702-0300	40711-0000	40901-2000	41401-3000	41402-2000	41801-1000	41801-2000	50202-0000	Remarks
ROUTE NUMBER	ROUTE NAME	FMSS No.	MILE TO MILE		LENGTH	WIDTH	FOG SEAL	CHIP SEAL, TYPE 1C	EMULSIFIED ASPHALT	MICRO SURFACING, TYPE 2	CRACKS, CLEANING AND FILLING	CRACK, CLEANING AND SEALING	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 1	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 2	SEALING JOINTS AND CRACKS				
			MILES	SQFT	FT	FT	TON	SQYD	TON	SQYD	LNFT	MILE	SQYD	SQYD	LNFT				
					TON	SQYD	TON	SQYD	LNFT	MILE	SQYD	SQYD	LNFT						
0010	Park Entrance Road	74265	0.00	4.31	22,757	24.8	40.4	62,708	112.4										Crack seal MP 3.31 to 4.31 as directed by CO
0010	(15) Pullouts	74265				23,450	1.7	2,606	4.7										
0200	Dunes Parking Access Road	74268	0.00	0.53	2,798	24.2	4.9	7,524	13.5			0.53	267	24					Fog seal paved ditch
0200	(1) Pullout	74268				1,200	0.1	133	0.2			0.01							
0201AZ	Dunes Picnic Area Loop A	91916	0.00	0.05	264	10.0				293		0.05		4					
0201OZ	Dunes Picnic Area Loop Opposite	91916	0.00	0.09	475	13.0				686		0.09							
0201OZ	(1) Pullout	91916				900				100		0.01							
0201PZ	Dunes Picnic Area Loop Primary	91916	0.00	0.17	898	19.2				1,916		0.17		7					
0201PZ	(1) Pullout	91916				600				67		0.01							
0202	Pinon Flats Campground Road	74267	0.00	0.21	1,109	20.8	1.7	2,563	4.6										
0202	(1) Pullout, (1) ABA spot	74267				3,000				333									
0202A	Pinon Flats Campground Loop A	103284	0.00	0.43	2,270	16.4				4,136			7	80					
0202A	(1) Pullout, (44) Slips	103284				27,200				3,022									
0202B	Pinon Flats Campground Loop B	103288	0.00	0.49	2,587	14.6				4,197		0.49							
0202B	(1) Pullout, (43) Slips	103288				30,550				3,394		0.26							
0202C	Pinon Flats Campground Loop C	103291	0.00	0.25	1,320	18.1				2,655				36					
0202C	(5) Pullouts	103291				5,250				583									
0203	Medano Pass Primitive Road	74262	0.00	0.06	317	12.3	0.3	433	0.8										
0400	Residence And Utility Road	91915	0.00	0.37	1,954	20.0	2.8	4,342	7.8					38					
0400	(5) Driveways, (1) Pullout	91915				6,050				672									
0401AZ	Resource Management Main Road	105038	0.00	0.09	475	12.0				633									
0401AZ	(2) Approaches, (1) Driveway	105038				1,980				220									
0401CZ	Resource Management Driveway	105038	0.00	0.02	106	10.8				127									
0403	New Residence Road	105034	0.00	0.09	475	20.2	0.7	1,066	1.9										
0403	(3) Driveways	105034				4,200				467									
Parking Areas																			
0900	Dunes Parking Area	74187				68,950				7,661				20					
0901	Montville Trailhead Parking	105073				11,282				1,254		0.10		35					
0902	Visitor Center Parking	74256				41,678				4,631		0.36		68					Do not treat concrete at entrance
0903	Maintenance Shop Parking Area	105074				22,231				2,470				34					Do not treat concrete swales
0904A	Headquarters Parking A	105071				2,209				245		0.02		11					
SHEET TOTAL							52.6	81,375	145.9	39,762		3.10	274	361					
Material Application Rates and Weights Used for Estimating Purposes																			
These values are for estimating purposes only and application rates and weight may change based on actual test strip and field results.																			
145.2 = Hot Asphalt Concrete (lbs/cuft)					0.43 = Emulsified Asphalt (Gal./sqyd)					NOTE: Protect curbs, stone curbs, curb and gutter, inlets, grates, rock walls, cattle guards, manhole covers, concrete swales, wheel stops, concrete bridge, sidewalks, buildings, valves, etc.									
0.15 = Fog Seal (Gal./sqyd)					240.0 = Emulsified Asphalt (Gal./ton)														
233.0 = Fog Seal (Gal./ton)					0.10 = Tack Coat (Gal./sqyd)														
					233.0 = Tack Coat (Gal./ton)														
TABULATION OF SURFACING QUANTITIES																			
GREAT SAND DUNES NATIONAL PARK																			



SURFACING TABULATION SHEET

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.6

ROUTE NUMBER	ROUTE NAME	FMSS No.	MILE TO MILE		LENGTH	WIDTH	40601-0000	40702-0300	40711-0000	40901-2000	41401-3000	41402-2000	41801-1000	41801-2000	50202-0000	Remarks
			FOG SEAL	CHIP SEAL, TYPE 1C	EMULSIFIED ASPHALT	MICRO SURFACING, TYPE 2	CRACKS, CLEANING AND FILLING	CRACK, CLEANING AND SEALING	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 1	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 2	SEALING JOINTS AND CRACKS					
			FT	FT	TON	SQYD	TON	SQYD	LNFT	MILE	SQYD	SQYD	LNFT			

0010	Entrance Road	46531	0.00	19.97	105,442	26.0	221.1	304,610	545.8			5.00	233	615		Fog seal paved ditch. Do not treat concrete at MP 0.5. Chip seal full width to paved ditch.
0010	(2) Approaches, (25) Pullouts	46531			48,925		3.5	5,436	9.7			0.14				
0202	Morefield Campground Access Road	45586	0.00	1.63	8,606	22.8	14.0	21,802	39.1			1.63		26		
0202	(1) Pullout	45586			2,200		0.2	244	0.4			0.02				
0204A	Headquarters Picnic Area Road A	46020	0.00	0.23	1,214	10.8				1,457				188		
0204B	Headquarters Picnic Area Road B	102820	0.00	0.13	686	10.9				831				117		
0206	Park Point Road	47567	0.00	0.51	2,693	19.6	3.8	5,865	10.5							
0206	(2) Pullouts	47567			1,200		0.1	133	0.2							
0207A	Morefield Campground Navajo Loop	103010	0.00	0.37	1,954	14.4				3,126		0.37		60		
0207A	(2) Pullouts	103010			900					100		0.01				
0207B	Morefield Campground Pueblo Road	45707	0.00	0.18	950	20.2				2,132		0.18		28		
0207B	(1) Driveway	45707			600					67		0.01				
0209	Headquarters Loop Road	46019	0.00	1.20	6,336	20.6				14,502						
0209	(2) Pullouts	46019			1,550					172						
0400	Utility Area Road	46124	0.00	0.08	422	22.9				1,074		0.08		237		
0401	CCC Area Road	46200	0.00	0.45	2,376	15.9				4,198				114		
0401	(1) Driveway, (2) Pullouts	46200			2,260					251						
0402	Far View Lodge Road	47695	0.00	0.13	686	24.2				1,845		0.13		847		
0415	White House Residence Road	56726	0.00	0.38	2,006	16.1				3,589		0.38		445		Do not treat driveways



Parking Areas																
0900	Entrance Trailer Area	46620			35,406					3,934		0.30				
0902	Mancos Valley Overlook Parking	46534			11,058					1,229						
0908	Morefield Amphitheater Parking	45737			84,750					9,417		0.73				
0909	Knife Edge Trail Parking	45734			12,670					1,408		0.11				Do not treat gas station concrete areas and area in back of building
0910	Morefield Store Parking	45736			71,005					7,889		0.61		132		
0913	Far View Lodge Parking	47696			70,217					7,802		0.60		46		Treat south parking area only
0914	Montezuma Valley Overlook Parking	46621			14,164					1,574						
0915	Bus and RV Overflow Parking	46062			31,120					3,458						
0916	Headquarters Round Lot	46063			17,175					1,908						

SHEET TOTAL	242.7	338,090	605.7	71,963				10.30	233	2,855					
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Material Application Rates and Weights Used for Estimating Purposes
 These values are for estimating purposes only and application rates and weight may change based on actual test strip and field results.

145.2 = Hot Asphalt Concrete (lbs/cuft)	0.43 = Emulsified Asphalt (Gal./sqyd)	NOTE: Protect curbs, stone curbs, curb and gutter, inlets, grates, rock walls, cattle guards, manhole covers, concrete swales, wheel stops, concrete bridge, sidewalks, buildings, valves, etc.
0.15 = Fog Seal (Gal./sqyd)	240.0 = Emulsified Asphalt (Gal./ton)	
233.0 = Fog Seal (Gal./ton)	0.10 = Tack Coat (Gal./sqyd)	
	233.0 = Tack Coat (Gal./ton)	

TABULATION OF SURFACING QUANTITIES

MESA VERDE NATIONAL PARK

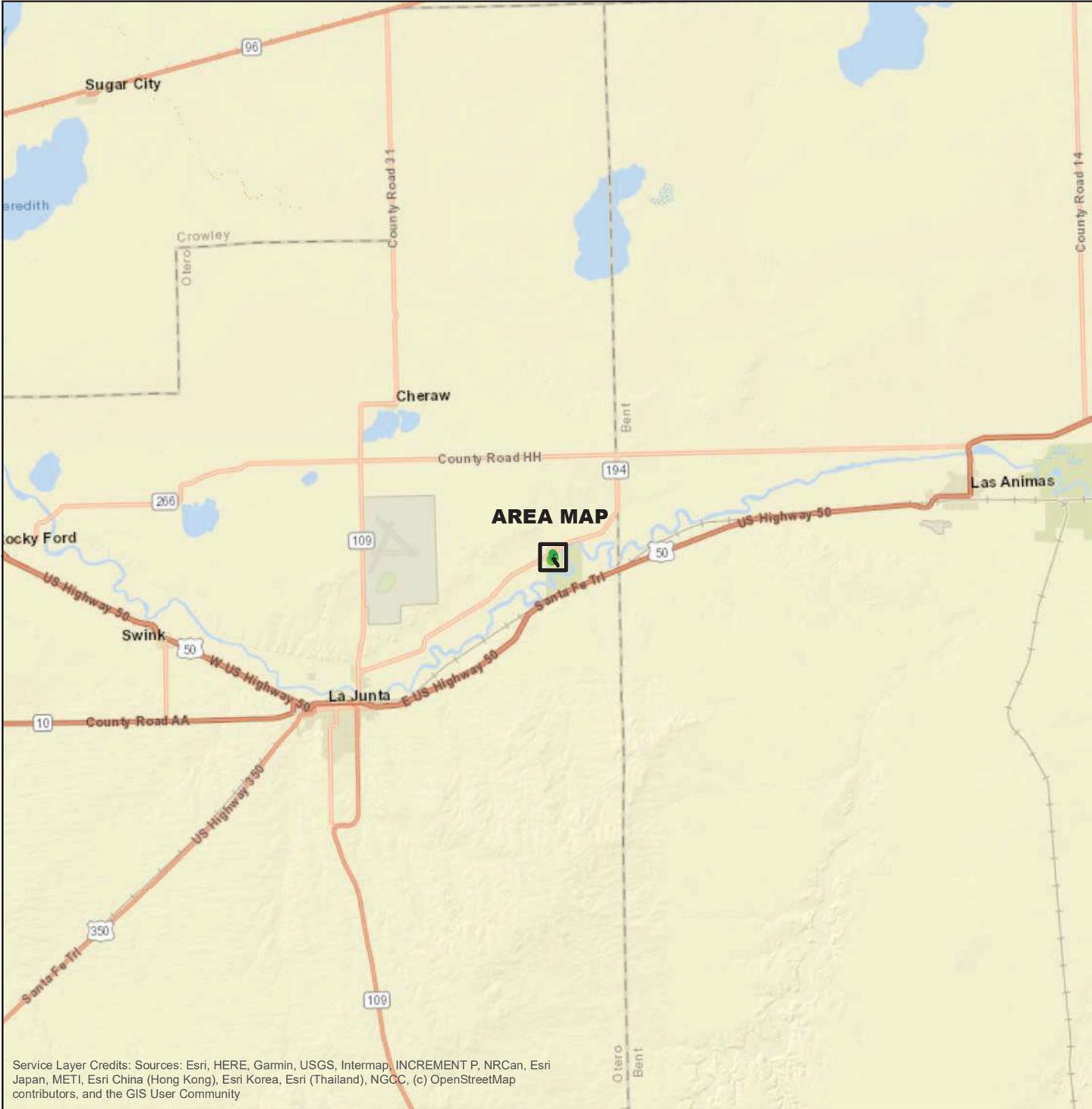
SURFACING TABULATION SHEET

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.7

SURFACING TABULATION SHEET																STATE	PROJECT	SHEET NUMBER
BID ITEM NUMBER																CO	NP MULTI PMS(1)	D.7
ROUTE NUMBER	ROUTE NAME	FMSS No.	MILE TO MILE	LENGTH		FOG SEAL	CHIP SEAL, TYPE 1C	EMULSIFIED ASPHALT	MICRO SURFACING, TYPE 2	CRACKS, CLEANING AND FILLING	CRACK, CLEANING AND SEALING	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 1	ASPHALT CONCRETE PAVEMENT PATCH, TYPE 2	SEALING JOINTS AND CRACKS	Remarks			
				FT	FT													
				MILES	SQFT											TON	TON	SQYD
Parking Areas																		
0919A	Headquarters Tour Bus Parking A	50056			14,865				1,652									
0919B	Headquarters Tour Bus Parking B	102572			1,770				197									
0919C	Headquarters Tour Bus Parking C	102592			2,829				314									
0920AZ	Museum And Restaurant Parking Area A	46064			10,305				1,145									
0920BZ	Museum And Restaurant Parking Area B	46064			11,399				1,267									
0929	Park Point Parking	91109			30,829				3,425									
0930	Park Point Pullout	91110			6,489	0.5	721	1.3										
0932A	Natural Resource Area Parking	103347			2,613				290			25						
0932B	Research Parking	91088			3,080				342									
0936	Prater Ridge Trail Parking	91097			8,642				960	0.07		33						
0938	Museum And Restaurant Overflow Parking	91099			15,824				1,758									
0945	Maintenance Area Parking	231508			21,989				2,443			349			Only treat area as directed by CO			
0946	Fitness Center / Maintenance Parking	103228			4,991				555	0.04		36						
0947	Bravo Cut Parking	101498			15,918				1,769	0.14			3,000					
0948AZ	Morefield Residence Parking A	103020			3,041				338	0.03								
0948BZ	Morefield Residence Parking B	103020			1,225				136	0.01								
0949	Recreation Hall Parking	105199			3,584				398									
0953	Fee Office Area Parking	45570			5,989				665									
0956	Morefield Horse Barn / Sand Shed Area	233839			31,988				3,554	0.28		222			Do not treat concrete area			
0957Z	VRC Road And Main Parking Area	112449			113,607				12,623	500		80	475	11,000				
0958	Geologic Overlook Parking	237677			8,775				975									
0960Z	VRC Employee Parking Area	112449			4,001				445	250	0.03							
SHEET TOTAL						0.5	721	1.3	35,251	750	0.60	80	1,140	14,000				
PROJECT TOTAL						317.4	458,597	821.8	246,303	750	19.77	587	8,035	14,000				
Material Application Rates and Weights Used for Estimating Purposes																		
These values are for estimating purposes only and application rates and weight may change based on actual test strip and field results.																		
145.2 = Hot Asphalt Concrete (lbs/cuft)					0.43 = Emulsified Asphalt (Gal./sqyd)					NOTE: Protect curbs, stone curbs, curb and gutter, inlets, grates, rock walls, cattle guards, manhole covers, concrete swales, wheel stops, concrete bridge, sidewalks, buildings, valves, etc.								
0.15 = Fog Seal (Gal./sqyd)					240.0 = Emulsified Asphalt (Gal./ton)													
233.0 = Fog Seal (Gal./ton)					0.10 = Tack Coat (Gal./sqyd)													
					233.0 = Tack Coat (Gal./ton)													
TABULATION OF SURFACING QUANTITIES																		
MESA VERDE NATIONAL PARK																		



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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.8

NOTE:

1. See Road Inventory Program (RIP) data for Bent's Old Fort National Historic Site Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

-  Cape Seal (Micro Surfacing Type 2 over a Chip Seal)
-  No Work Unless Noted Otherwise

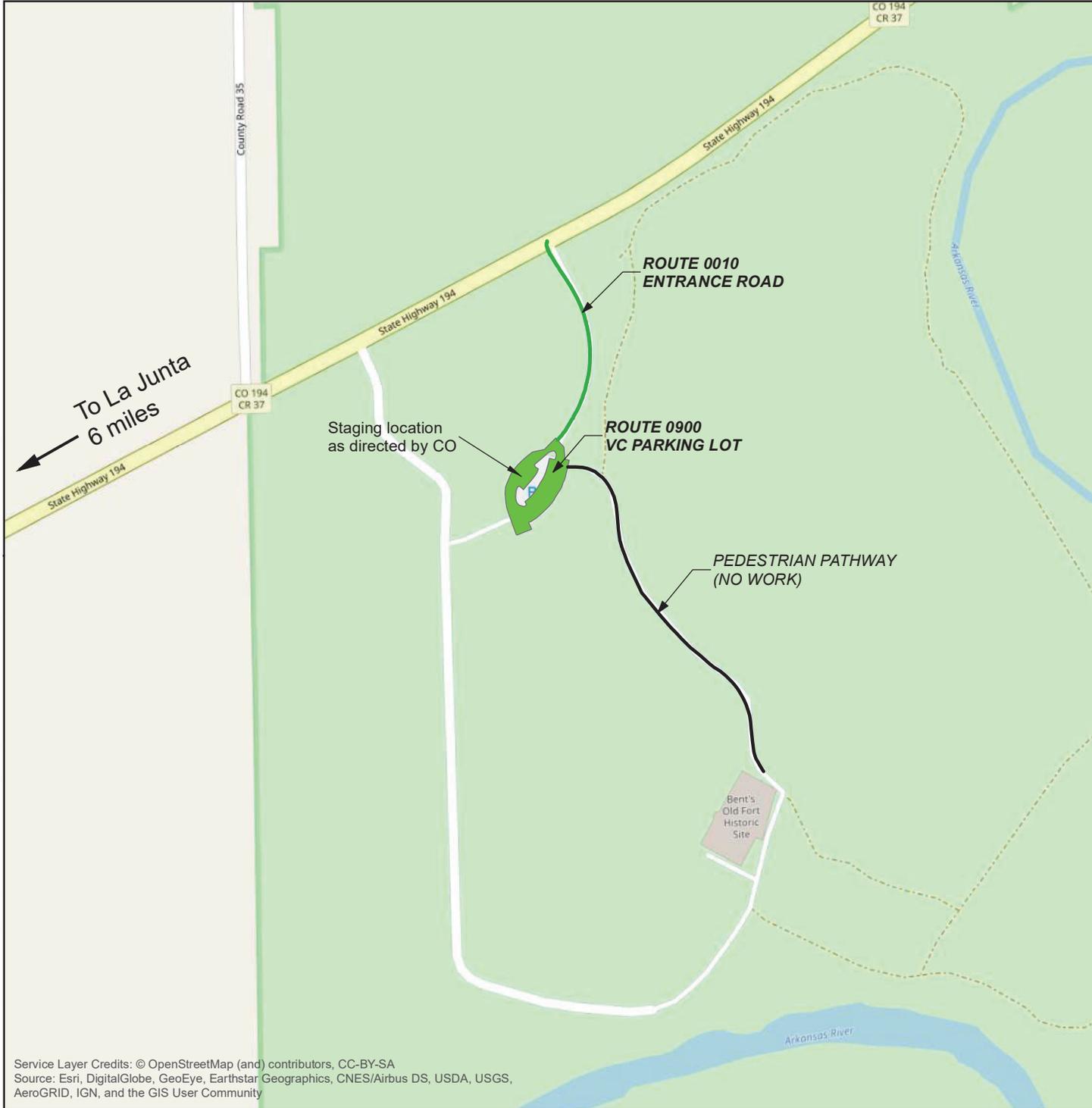


**BENT'S OLD FORT
NATIONAL HISTORIC SITE
KEY MAP**

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.9



NOTE:

1. See Road Inventory Program (RIP) data for Bent's Old Fort National Historic Site Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

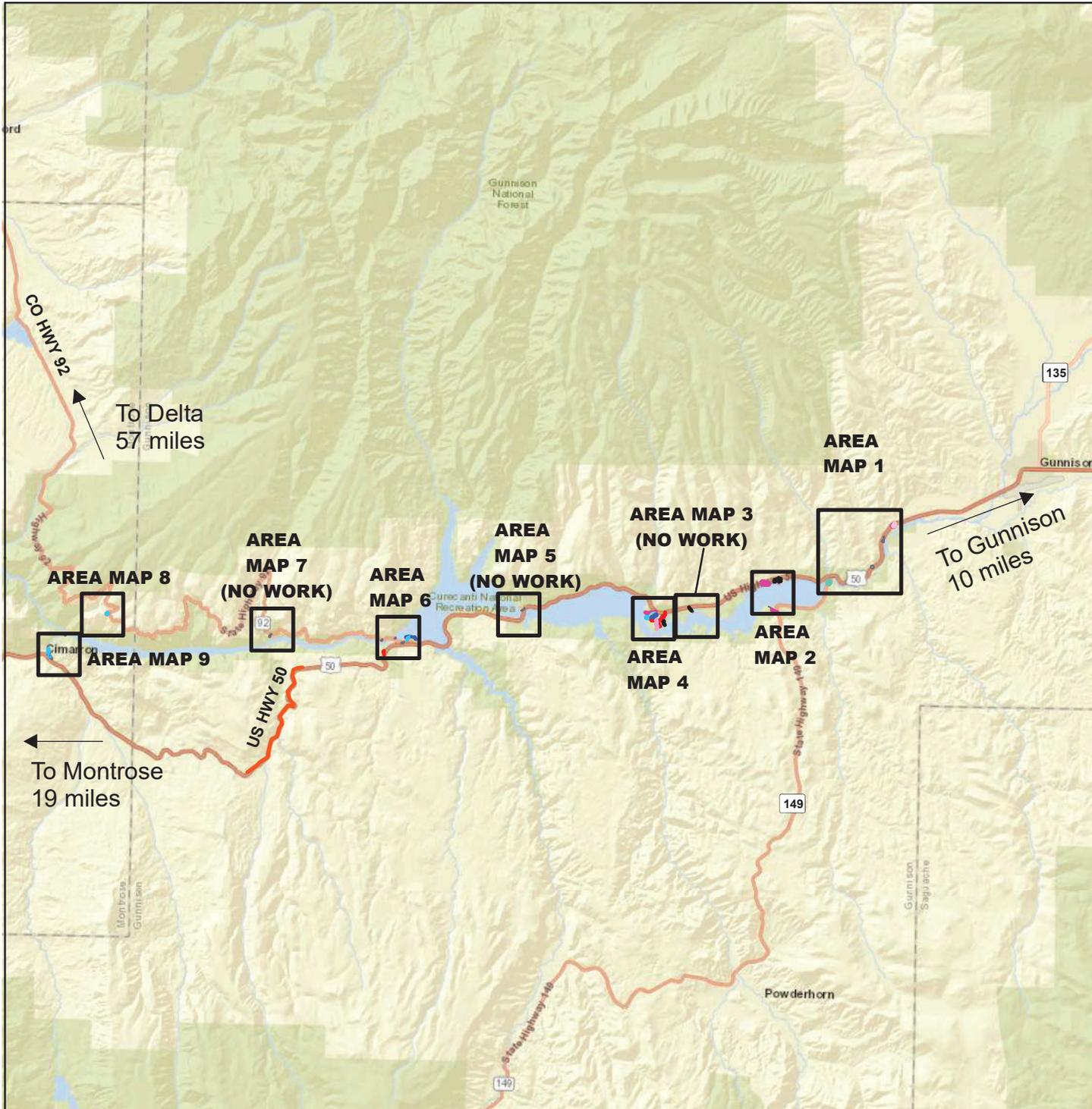
-  Cape Seal (Micro Surfacing Type 2 over a Chip Seal)
-  No Work Unless Noted Otherwise



**BENT'S OLD FORT
NATIONAL HISTORIC SITE
AREA MAP**

Service Layer Credits: © OpenStreetMap (and) contributors, CC-BY-SA
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.10

NOTE:

1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

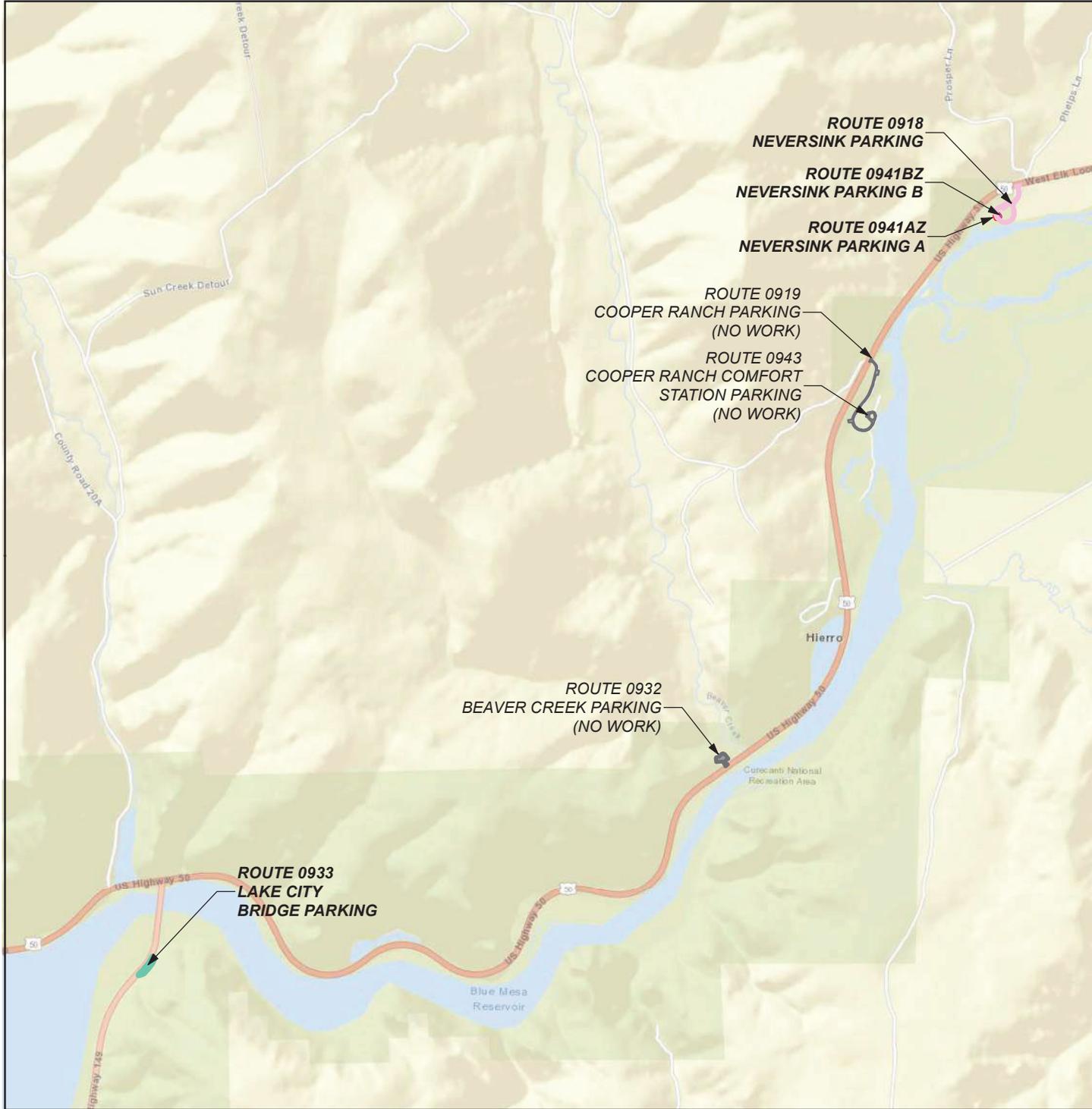
LEGEND:

- Chip Seal
- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
KEY MAP**

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.11

NOTE:

1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

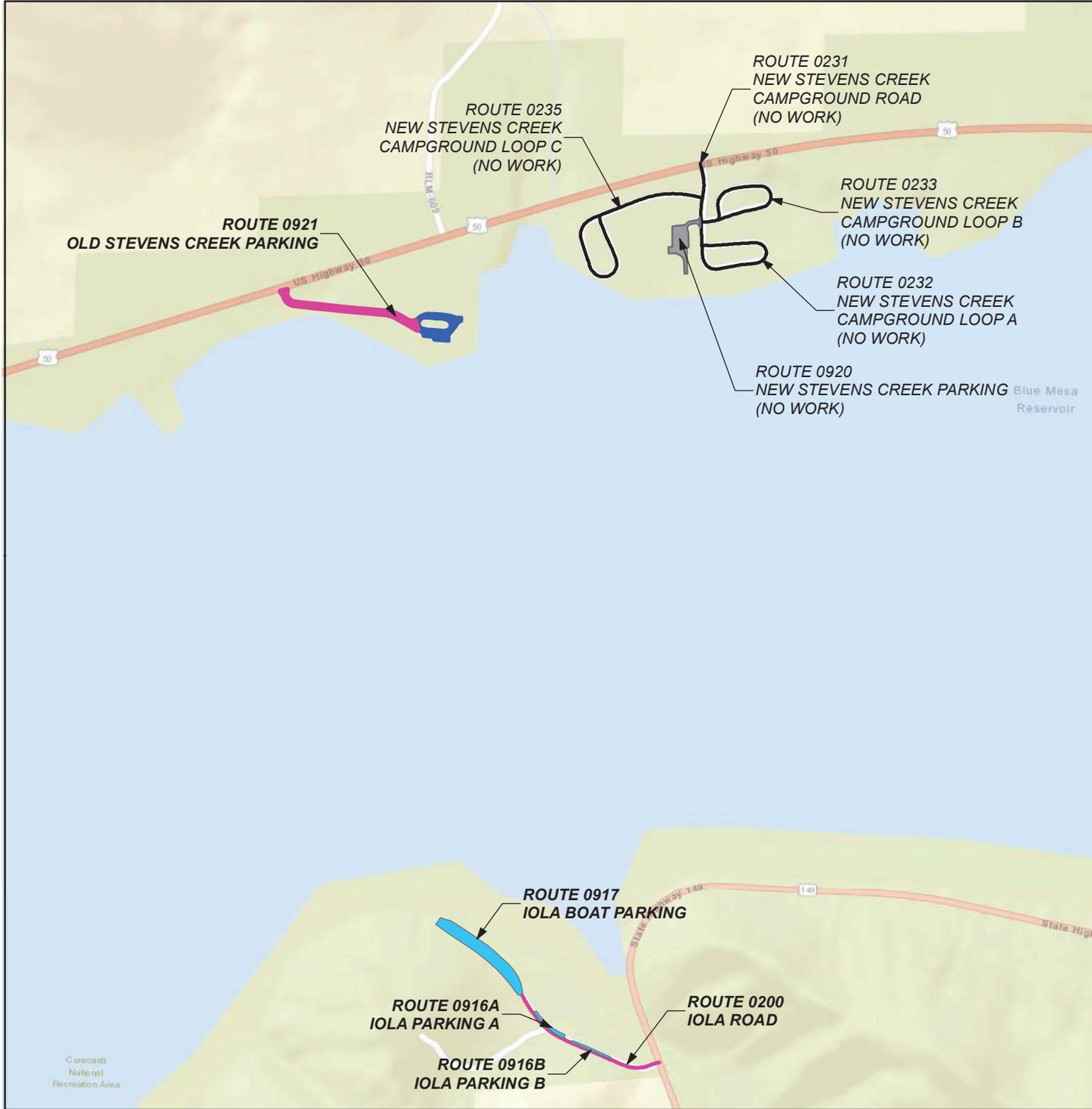
- 
Chip Seal
- 
Micro Surfacing Type 2
- 
No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 1**

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.12



NOTE:

1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

- Chip Seal
- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 2**

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.13

NOTE:

1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:



 No Work Unless Noted Otherwise



**CURECANTI
 NATIONAL RECREATION AREA
 AREA MAP 3**

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.14

NOTE:

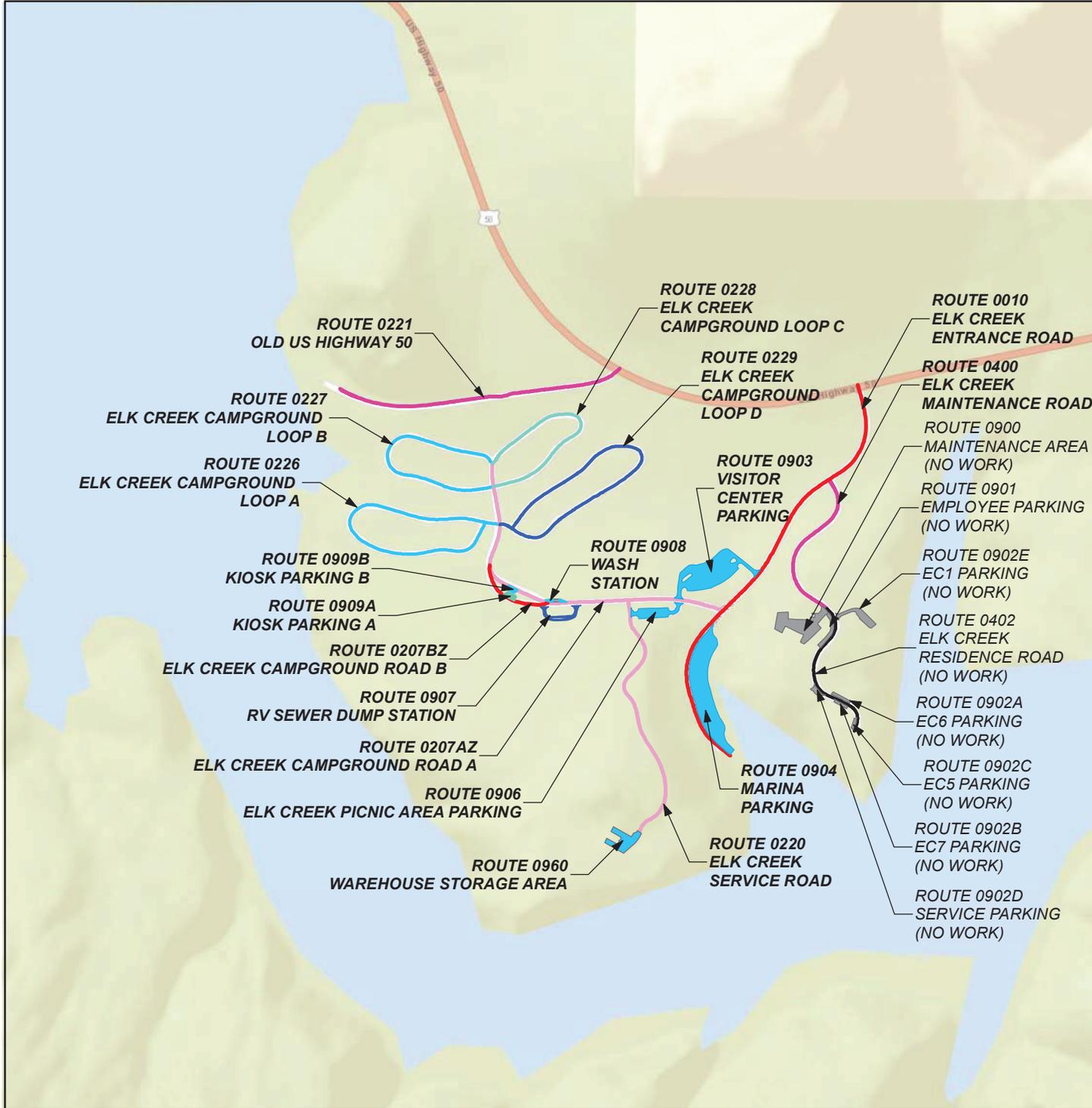
1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.
3. Various small staging locations in the Elk Creek area as directed by the CO.

LEGEND:

-  Chip Seal
-  Micro Surfacing Type 2
-  No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 4**





STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.15

NOTE:

1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:



 No Work Unless Noted Otherwise



**CURECANTI
 NATIONAL RECREATION AREA
 AREA MAP 5**

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.16



NOTE:

1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

- Chip Seal
- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 6**



STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.17

NOTE:

1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

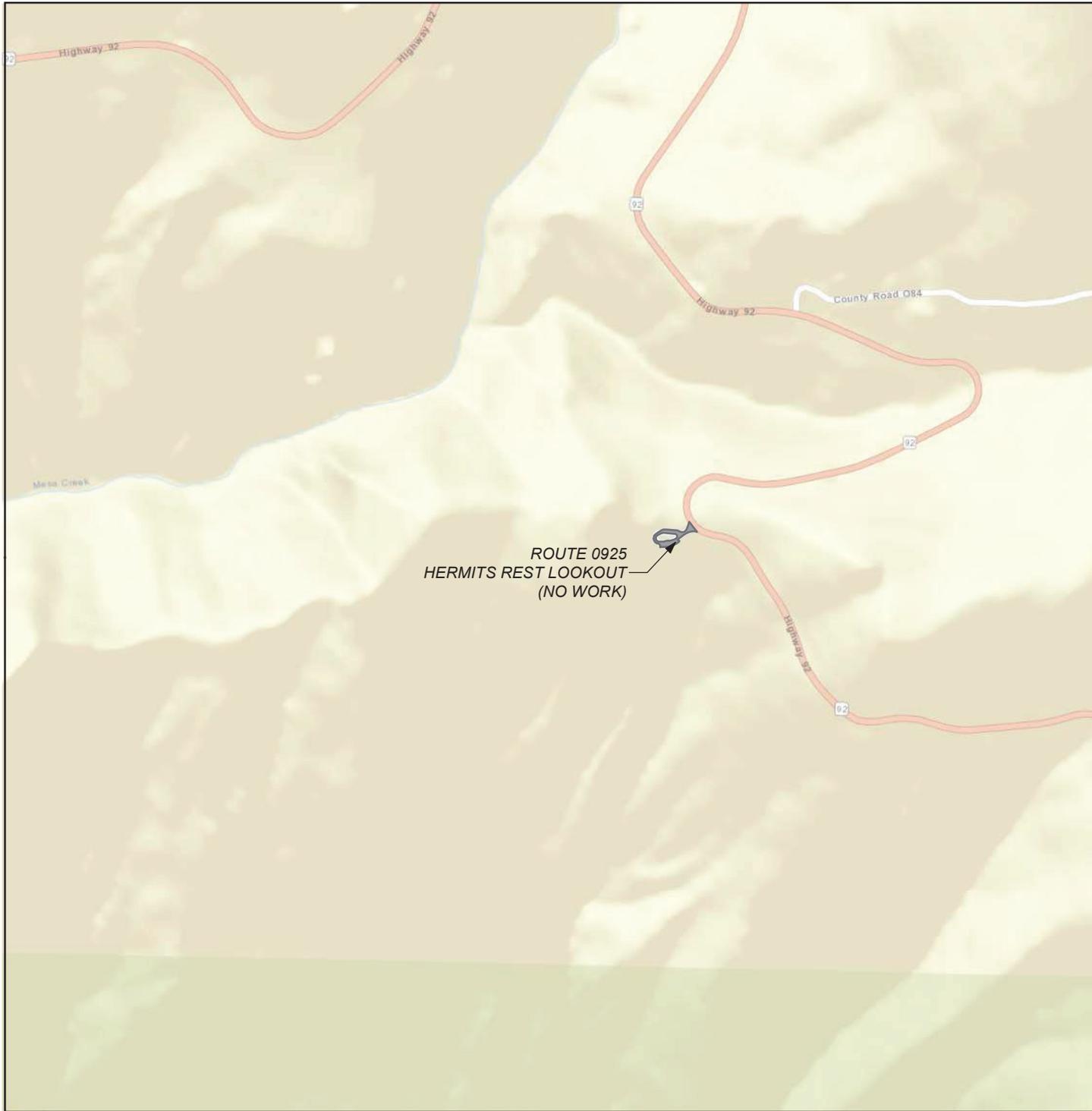


 No Work Unless Noted Otherwise



**CURECANTI
 NATIONAL RECREATION AREA
 AREA MAP 7**

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.18

NOTE:

1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 8**

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.19



NOTE:

1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

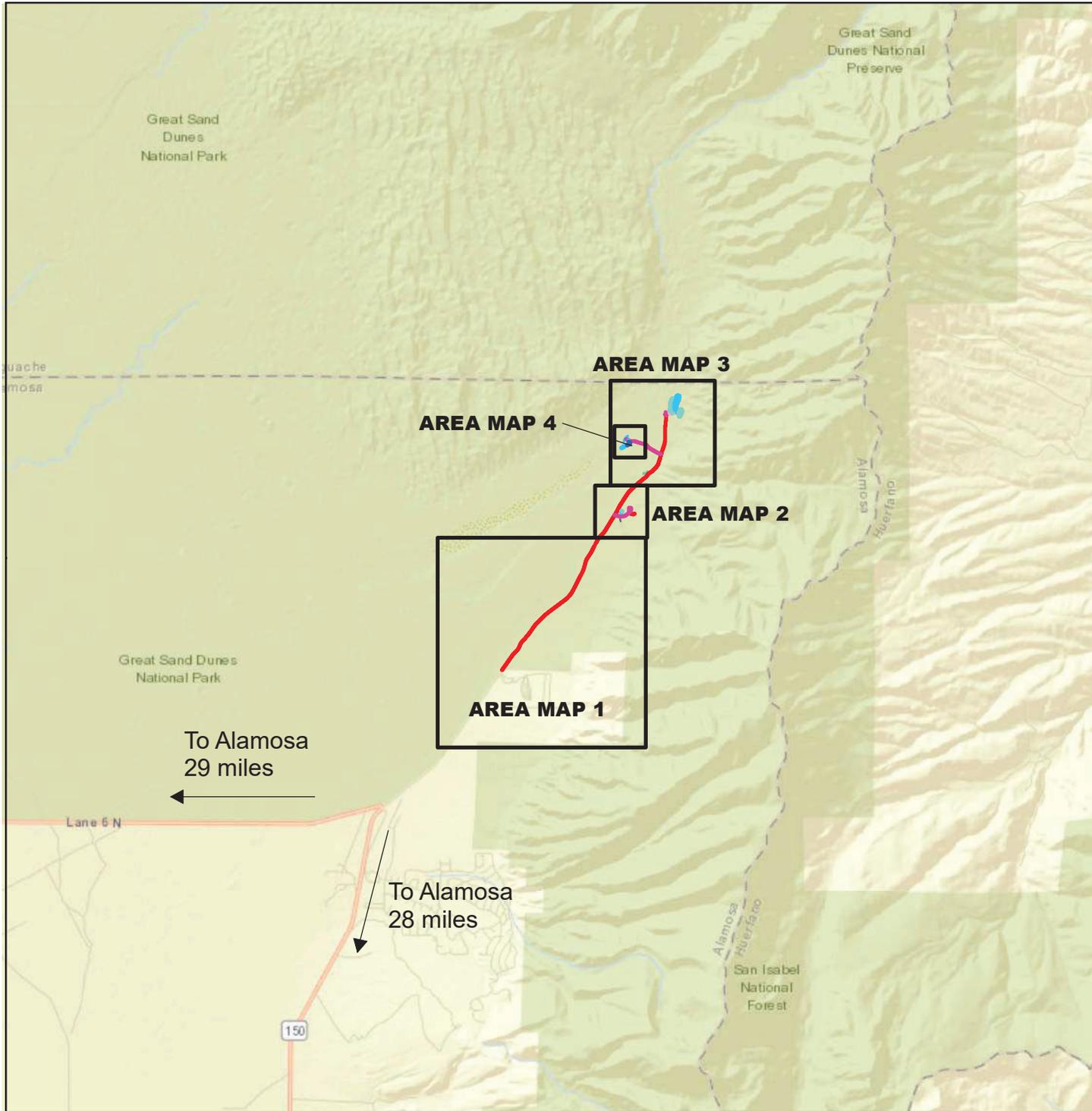
LEGEND:

- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 9**

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.20

NOTE:

1. See Road Inventory Program (RIP) data for Great Sand Dunes National Park and Preserve Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

	Chip Seal
	Micro Surfacing Type 2
	No Work Unless Noted Otherwise

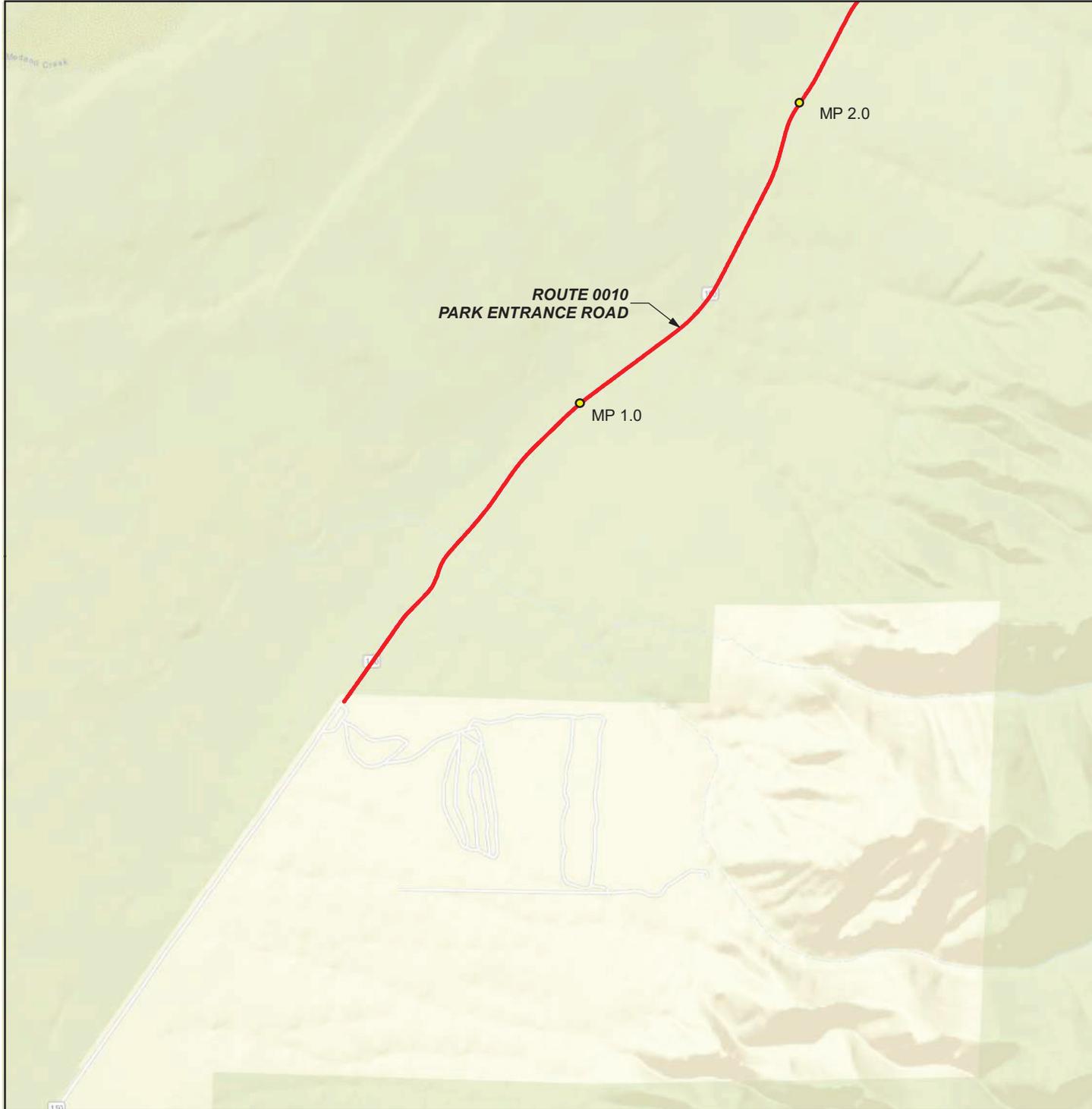
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COLORADO LICENSED
JAMES MILLS
 25765
PROFESSIONAL SURVEYOR

James Mills
Digitally signed by James Mills
 DN: cn=James Mills, o=Professional Surveyor, ou=James Mills, email=jmills@jamesmills.com, c=CO

**GREAT SAND DUNES
 NATIONAL PARK AND PRESERVE
 KEY MAP**

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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.21

NOTE:

1. See Road Inventory Program (RIP) data for Great Sand Dunes National Park and Preserve Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

-  Chip Seal
-  Micro Surfacing Type 2
-  No Work Unless Noted Otherwise



GREAT SAND DUNES NATIONAL PARK AND PRESERVE AREA MAP 1

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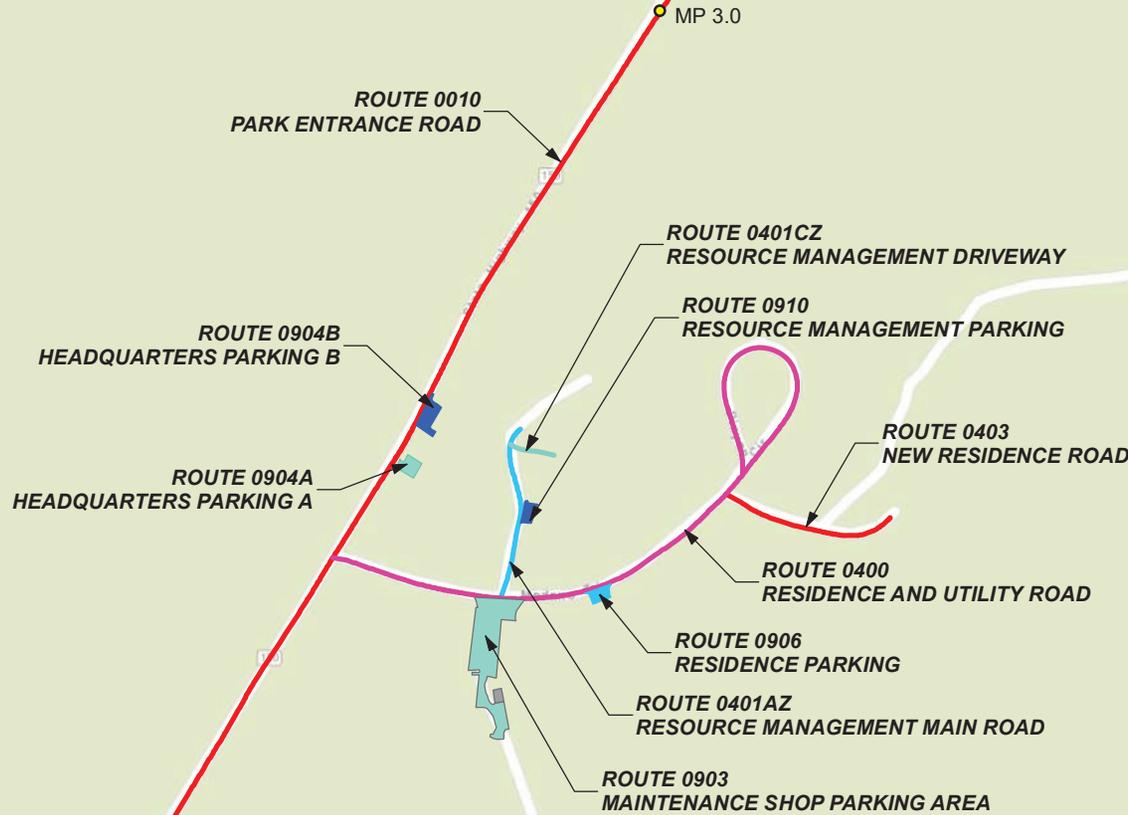
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.22

NOTE:

1. See Road Inventory Program (RIP) data for Great Sand Dunes National Park and Preserve Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

- Chip Seal
- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



N

0 500 1,000 Feet

COLORADO LICENSED

JAMES MILLS

25765

PROFESSIONAL ENGINEER

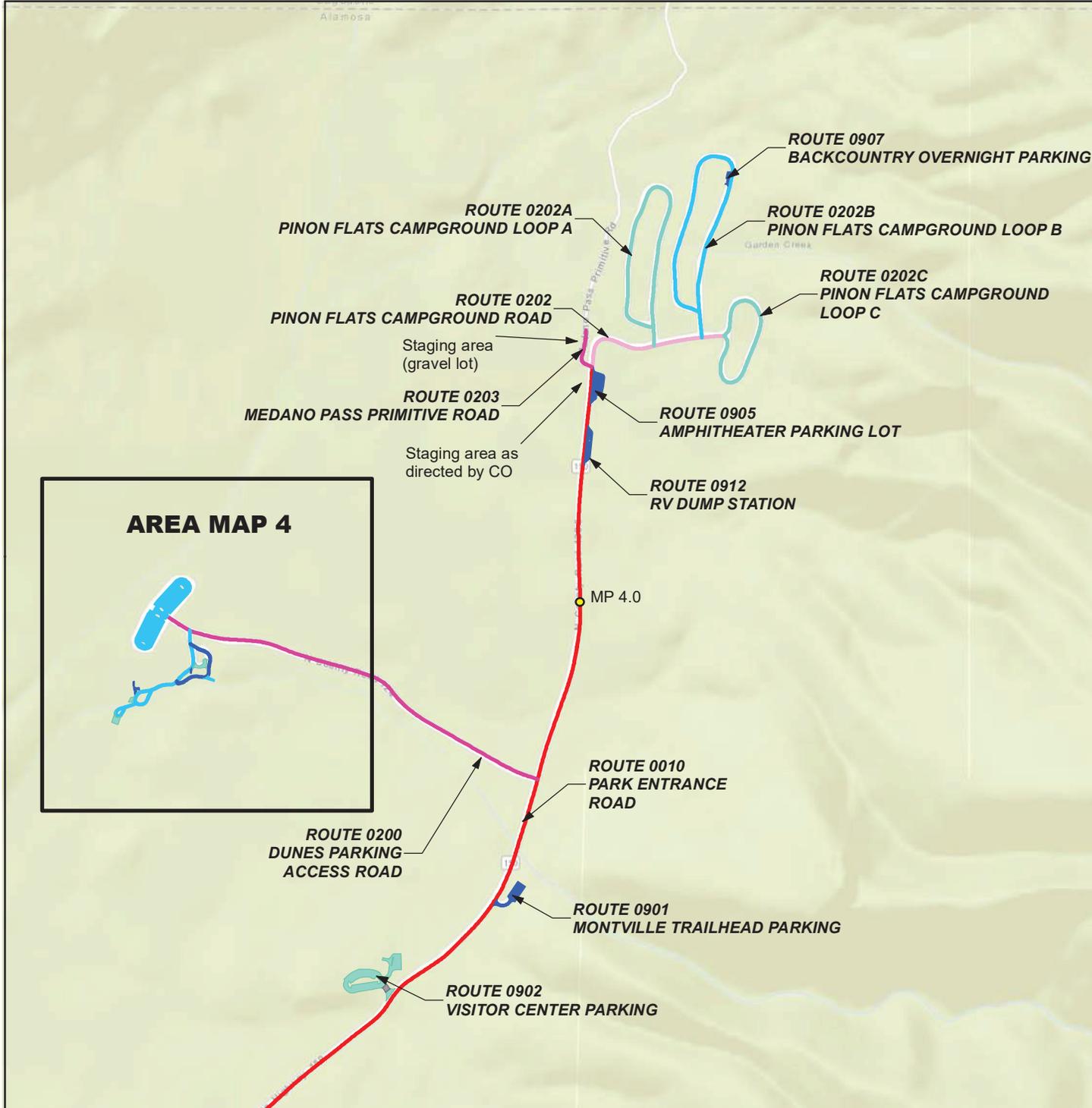
James Mills

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DN: cn=James Mills, o=James Mills, ou=James Mills, email=jmills@jamesmills.com, c=US

**GREAT SAND DUNES
NATIONAL PARK AND PRESERVE
AREA MAP 2**

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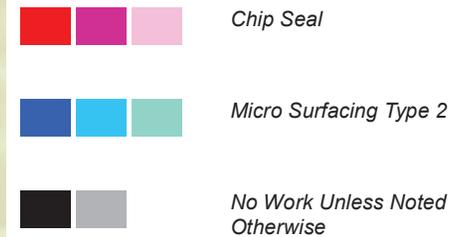
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.23



NOTE:

1. See Road Inventory Program (RIP) data for Great Sand Dunes National Park and Preserve Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:



GREAT SAND DUNES NATIONAL PARK AND PRESERVE AREA MAP 3

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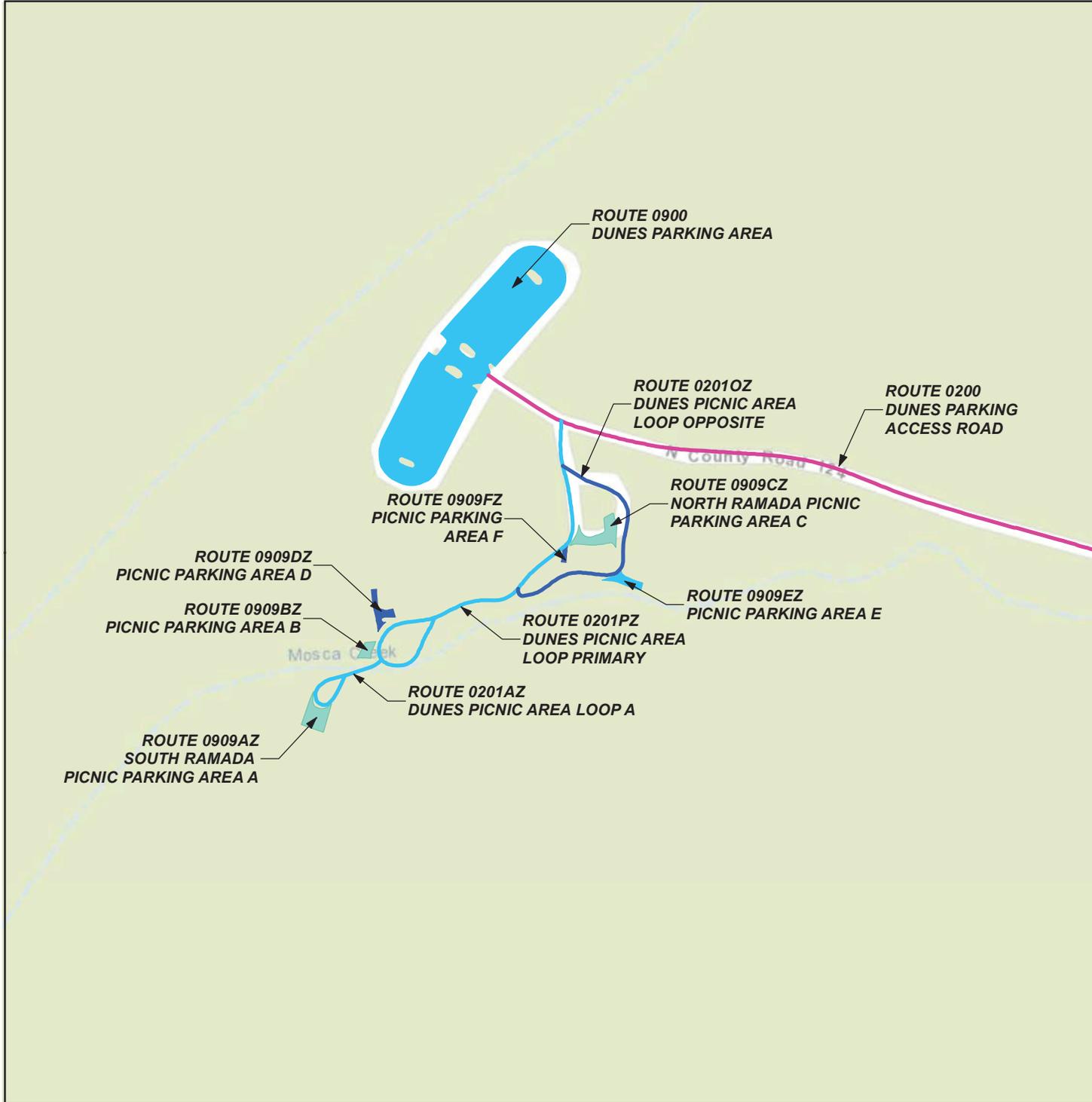
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.24

NOTE:

1. See Road Inventory Program (RIP) data for Great Sand Dunes National Park and Preserve Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

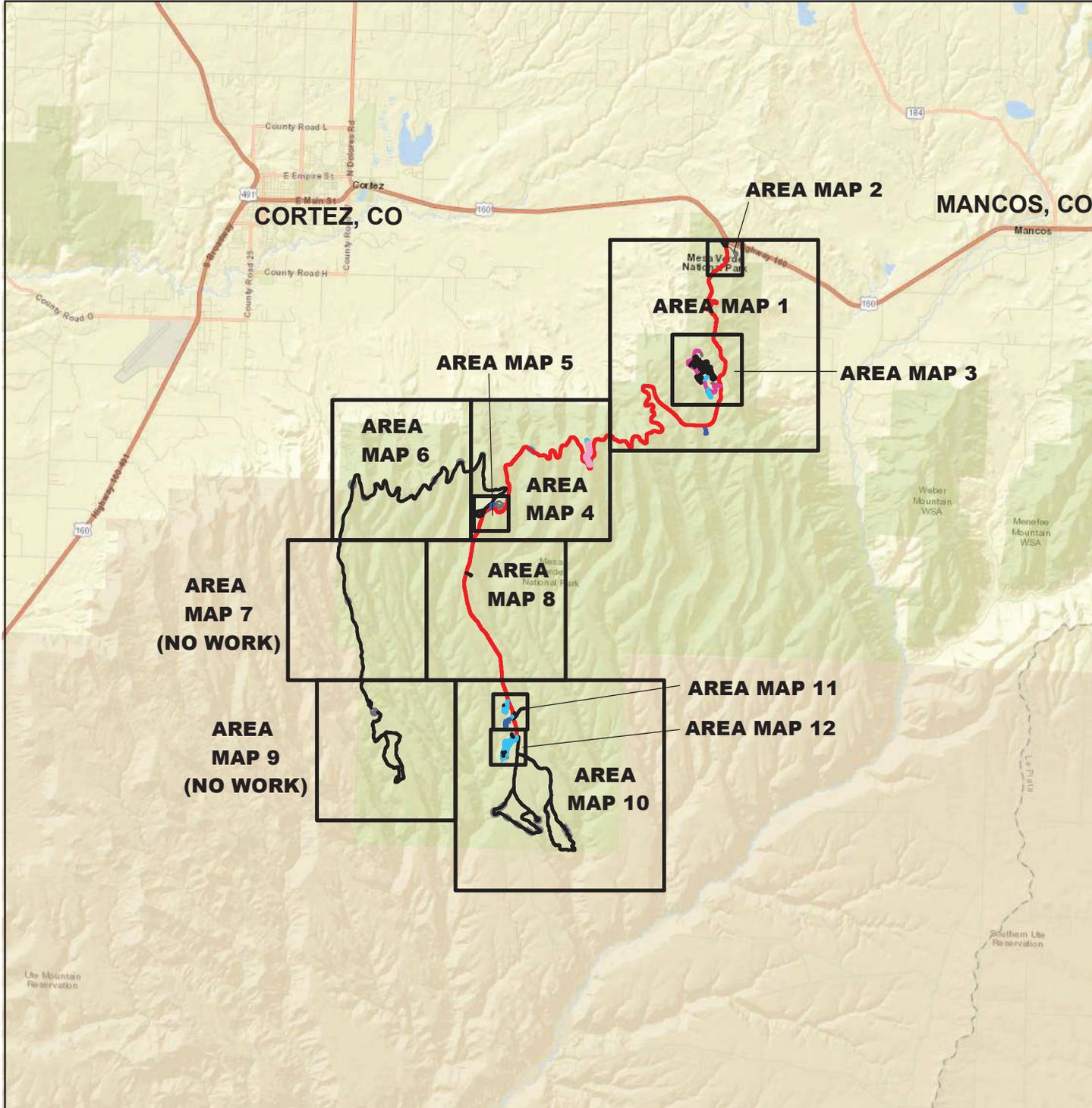
-  Chip Seal
-  Micro Surfacing Type 2
-  No Work Unless Noted Otherwise



**GREAT SAND DUNES
NATIONAL PARK AND PRESERVE
AREA MAP 4**

8/19/2022 I:\usrqst0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22\F000030_CO_Pave Pres800_FHWA\22\F000030\01-CADD\Sheets\DIWEVE KEY MAP.mxd

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.25



NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

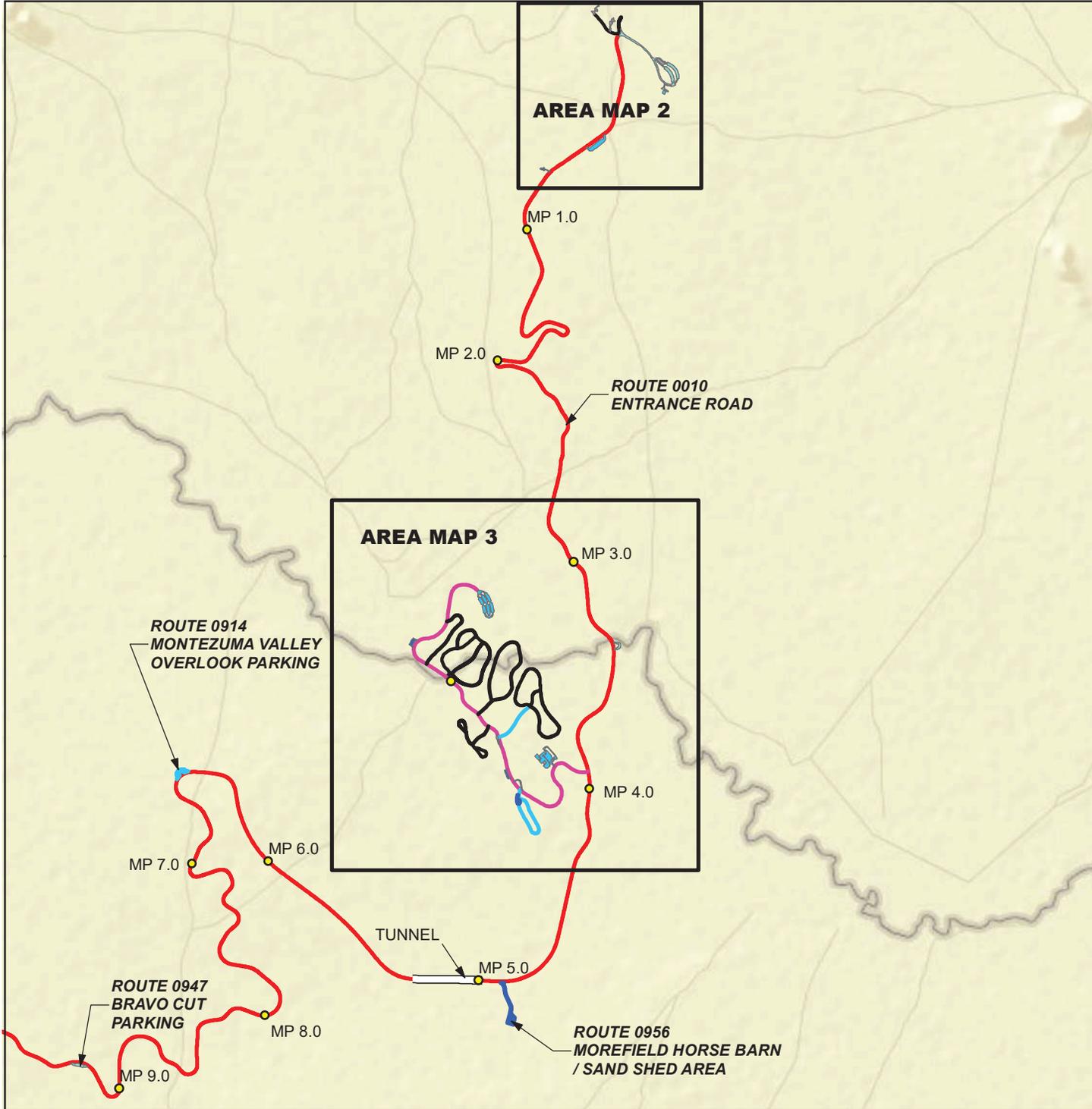
- Chip Seal
- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
KEY MAP**

8/16/2022 I:\usrqsovs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22\F000030_CO_Pave Pres\800_FHWA\22\F000030\01-CADD\Sheets\DIWEVE AREA MAPS.mxd

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.26



NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

- Chip Seal
- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 1**

8/19/2022 I:\usqts0vs01\Jobs\Transportation\WX\Z7300_WFL_IDIQ_2021\WX\Z7313_22\F000030_CO_Pave Pres\800_FHWA\22\F000030\01-CADD\Sheets\DI\MEVE AREA MAP 2.mxd

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.27

ROUTE 0901
WATER TREATMENT
PLANT PARKING AREA
(NO WORK)

ROUTE 0924
QUARTERS #41 PARKING
(NO WORK)

ROUTE 0410
WATER TREATMENT PLANT ROAD
(NO WORK)

Begin work on Route 0010
south of the new round-a-bout
asphalt pavement

ROUTE 0957Z
VRC ROAD AND MAIN
PARKING AREA

ROUTE 0957Z
VRC ROAD AND MAIN
PARKING AREA
(CONCRETE SEALING
JOINTS AND CRACKS
AND RESTRIPIING
ONLY)

ROUTE 0960Z
VRC EMPLOYEE
PARKING AREA

ROUTE 0010
ENTRANCE ROAD

ROUTE 0900
ENTRANCE TRAILER AREA

ROUTE 0953
FEE OFFICE AREA PARKING

NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

- Chip Seal
- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 2**

8/16/2022 11:50:00 AM \\lucst01\Jobs\Transportation\WXXZ7313_22\F000030_CO_Pave Pres\800_FHWA\22\F000030\01-CADD\Sheets\DIWEVE AREA MAP 3.mxd

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.28

NOTE:

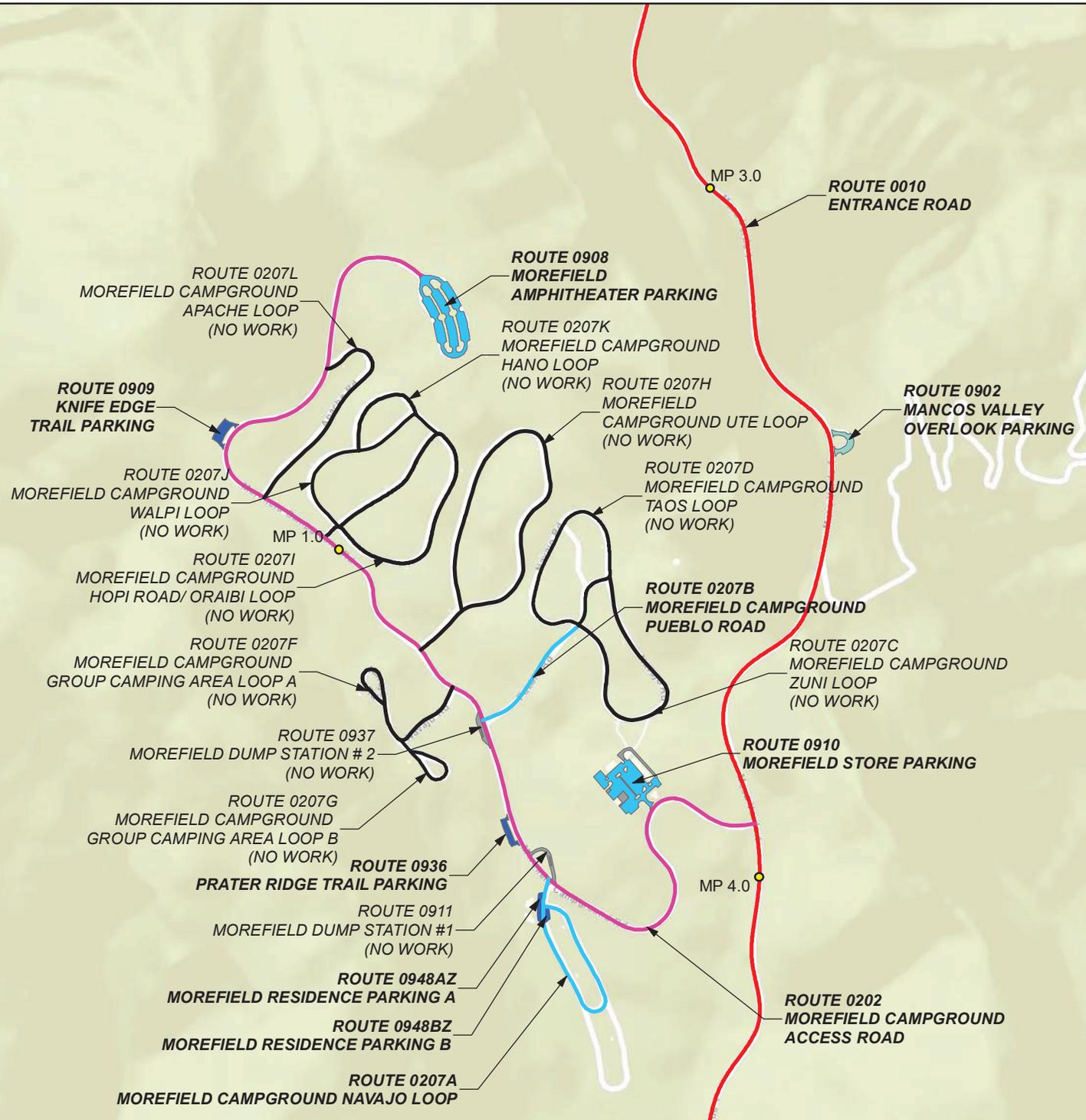
1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

- Chip Seal (Red, Magenta, Pink)
- Micro Surfacing Type 2 (Blue, Cyan, Green)
- No Work Unless Noted Otherwise (Black, Grey)

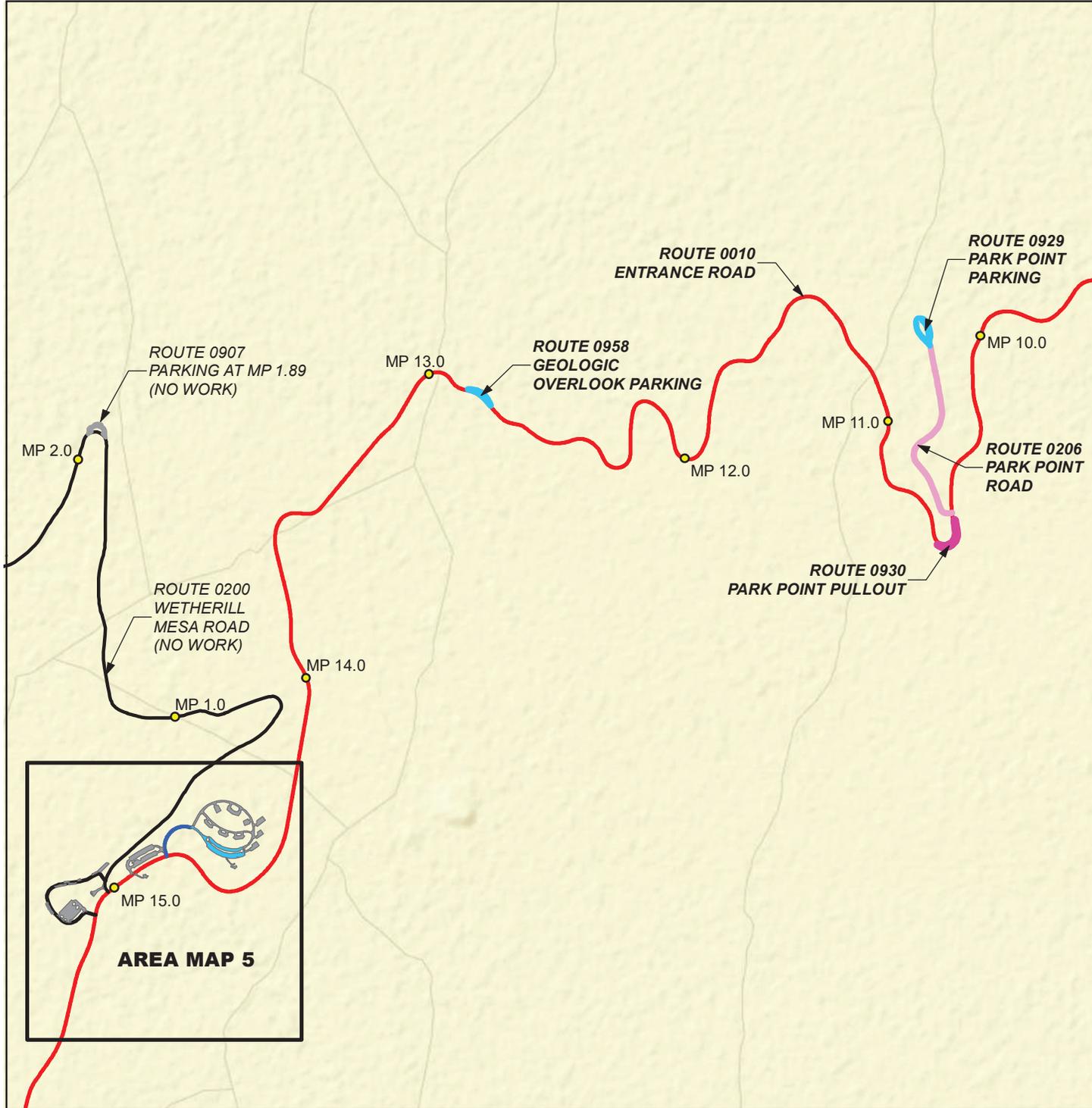


MESA VERDE NATIONAL PARK AREA MAP 3



8/16/2022 I:\usqts0vs01\Jobs\Transportation\WXZXZ7300_WFL_IDIQ_2021\WXZXZ7313_22F000030_CO_Peave Pres\800_FHWA\22F000030\01-CADD\Sheets\DIMERVE AREA MAPS.mxd

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.29



NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

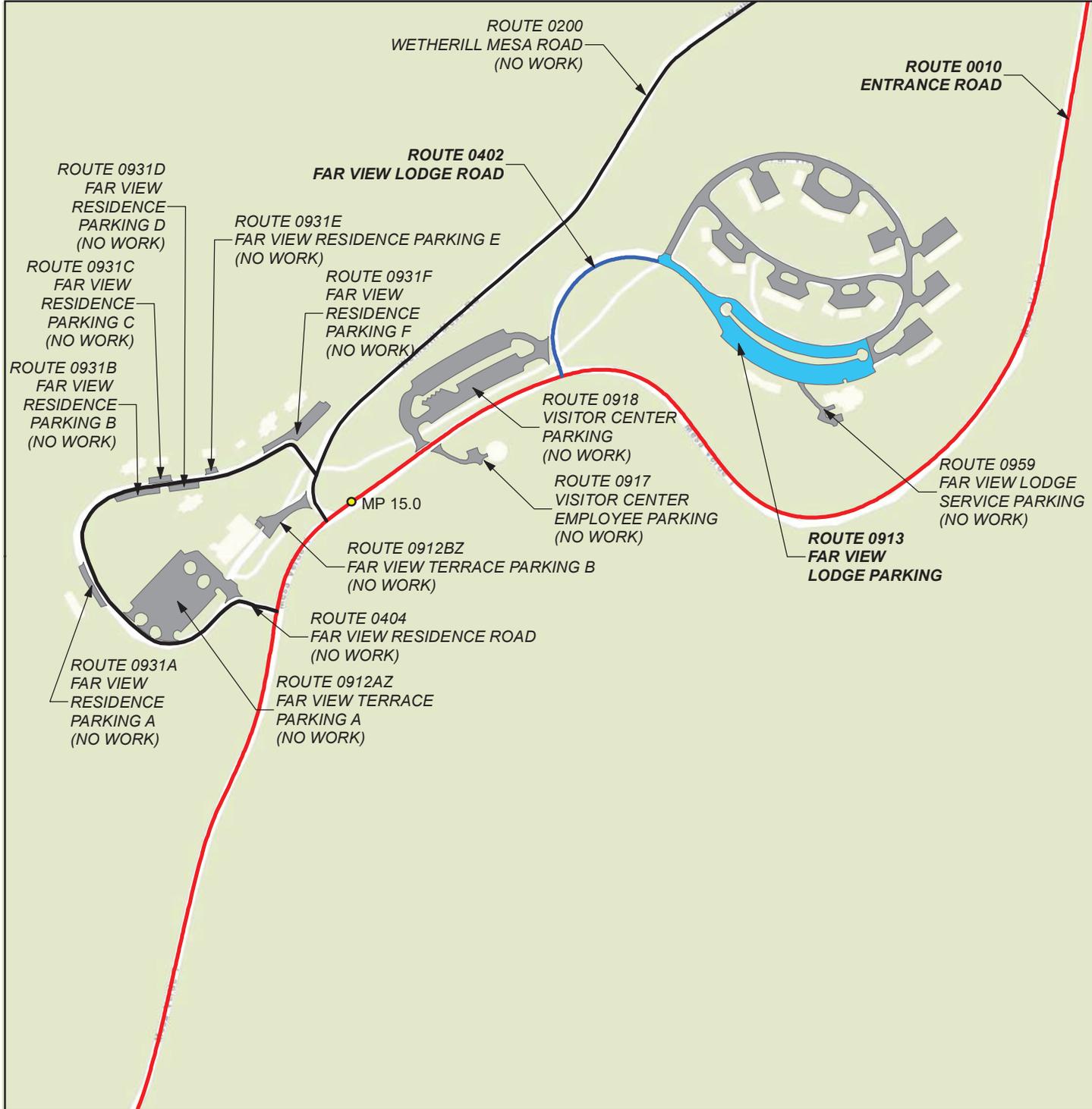
- Chip Seal (Red, Pink, Light Pink)
- Micro Surfacing Type 2 (Blue, Cyan, Green)
- No Work Unless Noted Otherwise (Black, Grey)



MESA VERDE NATIONAL PARK AREA MAP 4

8/16/2022 11:50:01 Jobs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22F000030_CO_Pave Pres800_FHW\122F000030\01-CADD\Sheets\DIWEVE AREA MAP 5.mxd

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.30



NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

	Chip Seal
	Micro Surfacing Type 2
	No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 5**

8/16/2022 I:\usqts0\vs01\Jobs\Transportation\WXZ7300_WFL_IDIQ_2021\WXZ7313_22\F000030_CO_Pave Pres\800_FHWA\22\F000030\01-CADD\Sheets\DIWEVE AREA MAPS.mxd

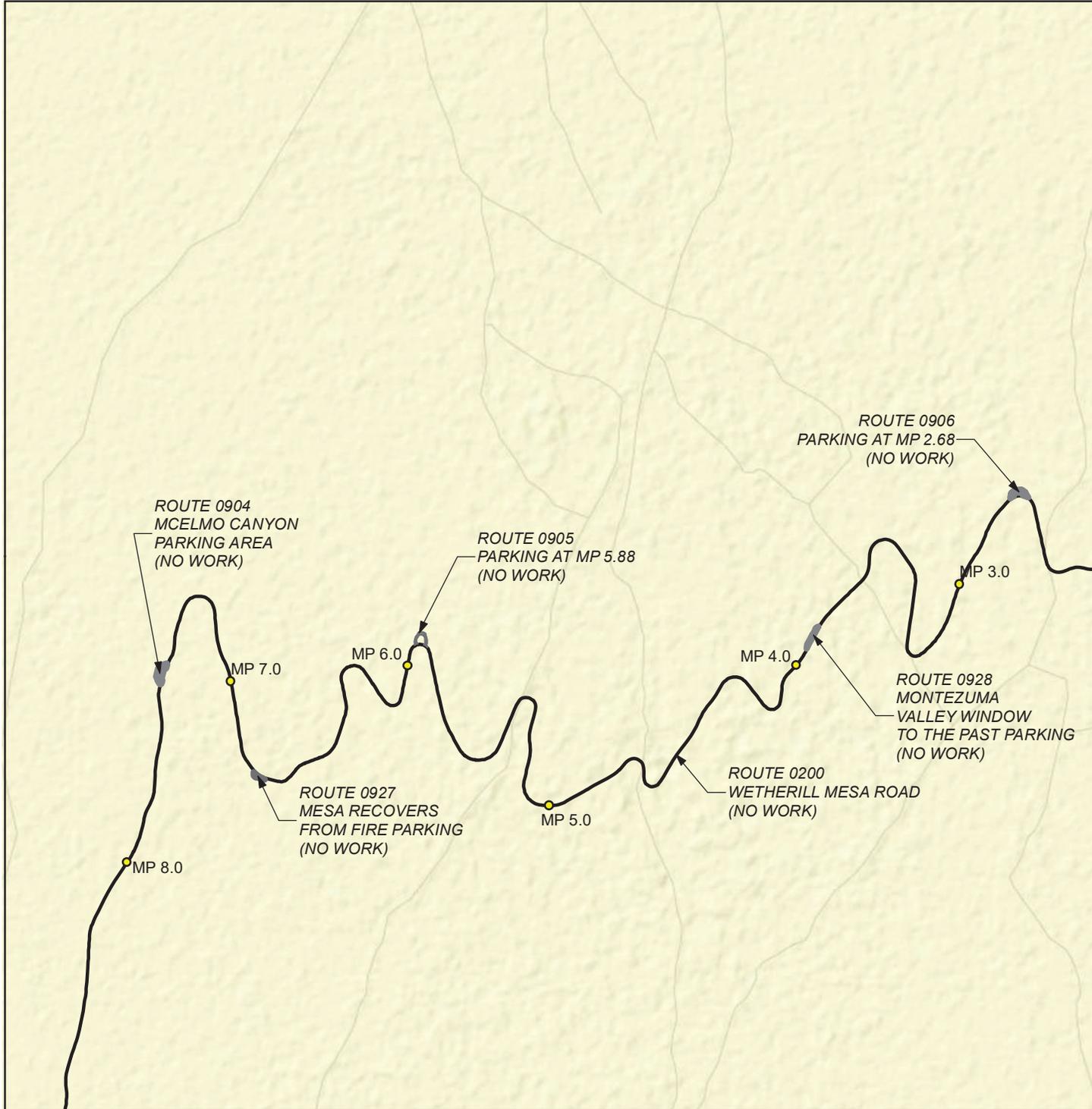
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.31

NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

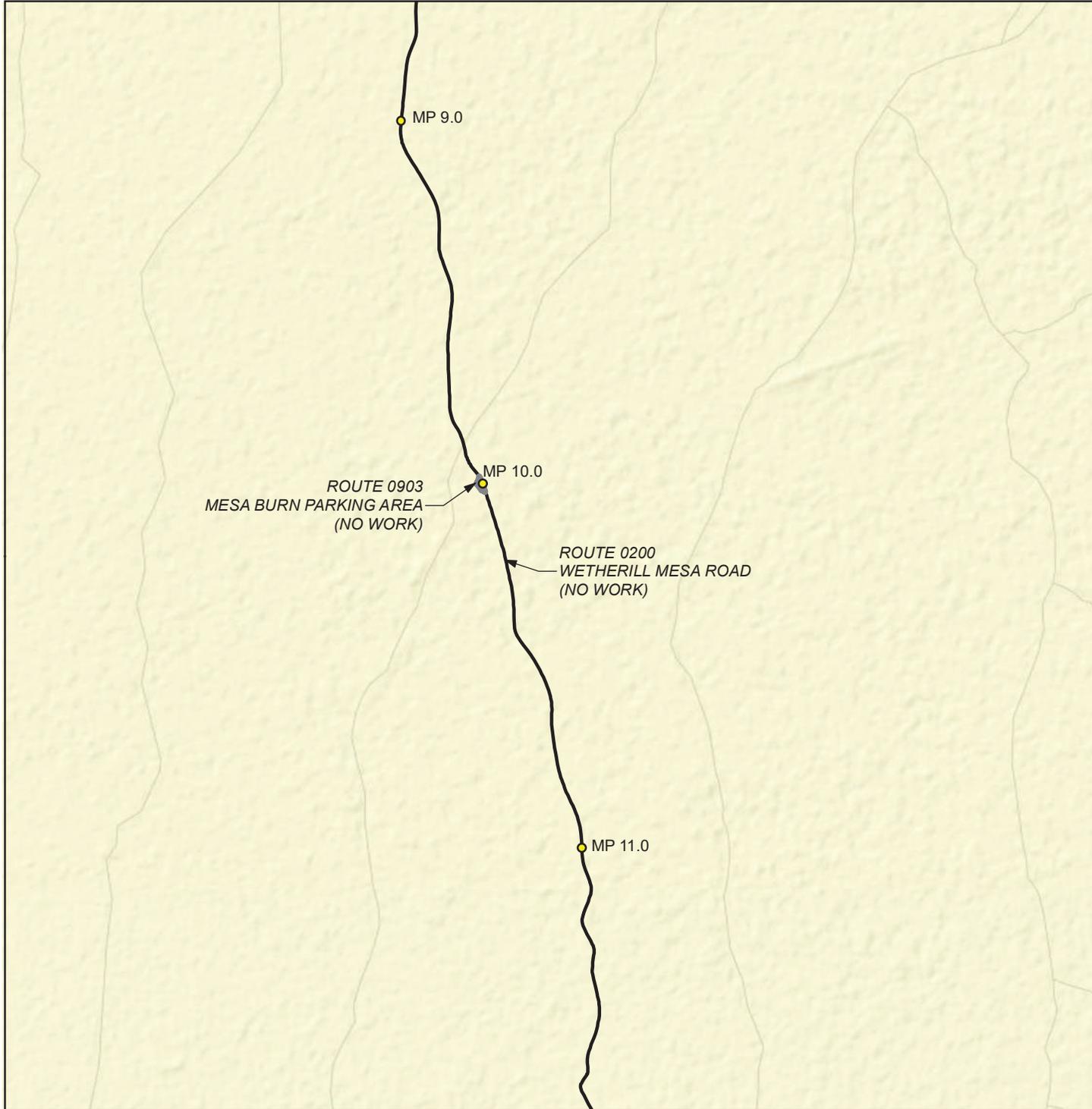
LEGEND:

-  Chip Seal
-  Micro Surfacing Type 2
-  No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 6**

8/16/2022 11:50:05 AM \\usqts050s01\Jobs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22\F000030_CO_Pave Pres\800_FHWA\22\F000030\01-CADD\Sheets\DIWEVE AREA MAPS.mxd



STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.32

NOTE:

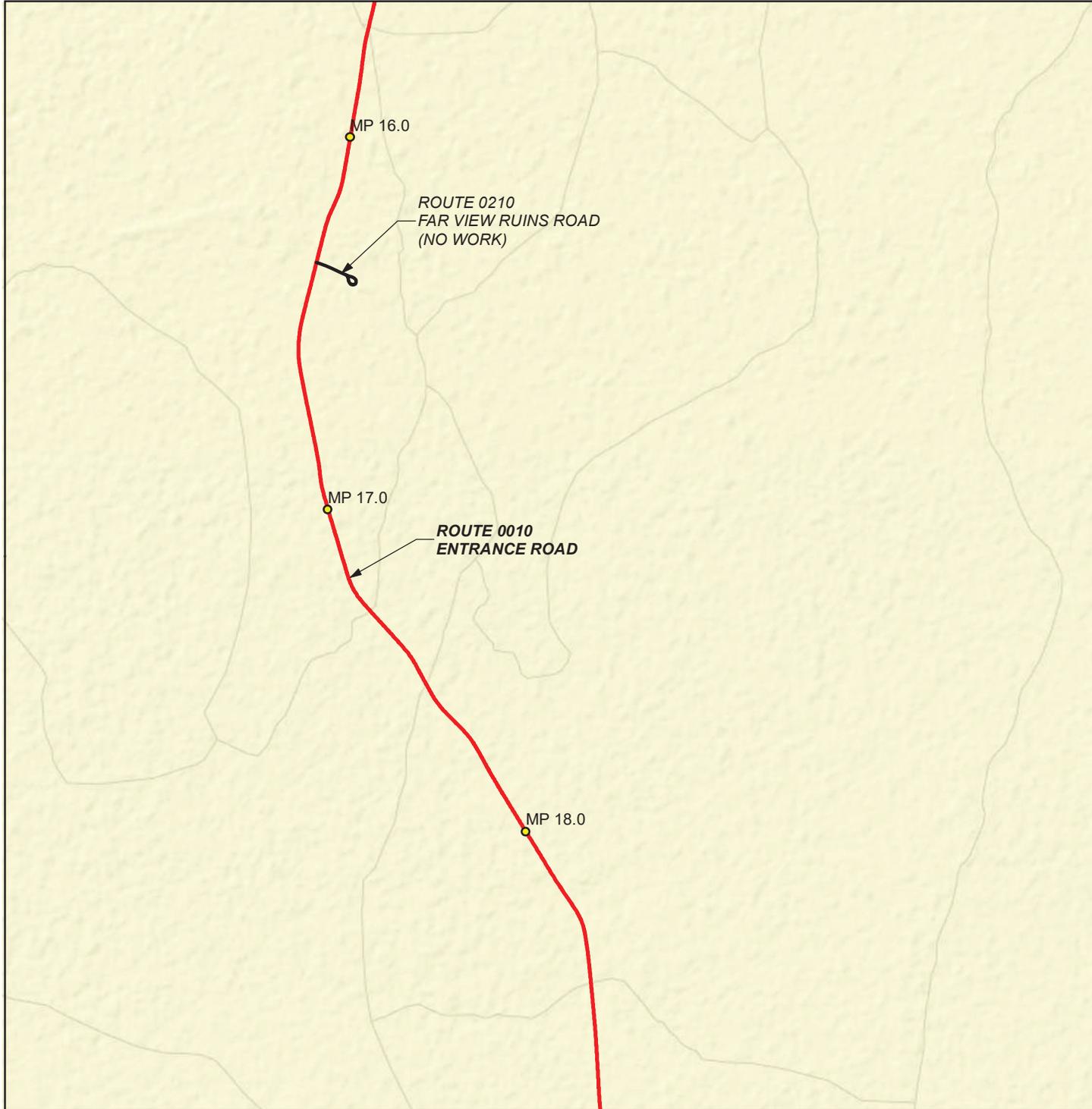
1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

-  Chip Seal
-  Micro Surfacing Type 2
-  No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 7**



STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.33

NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

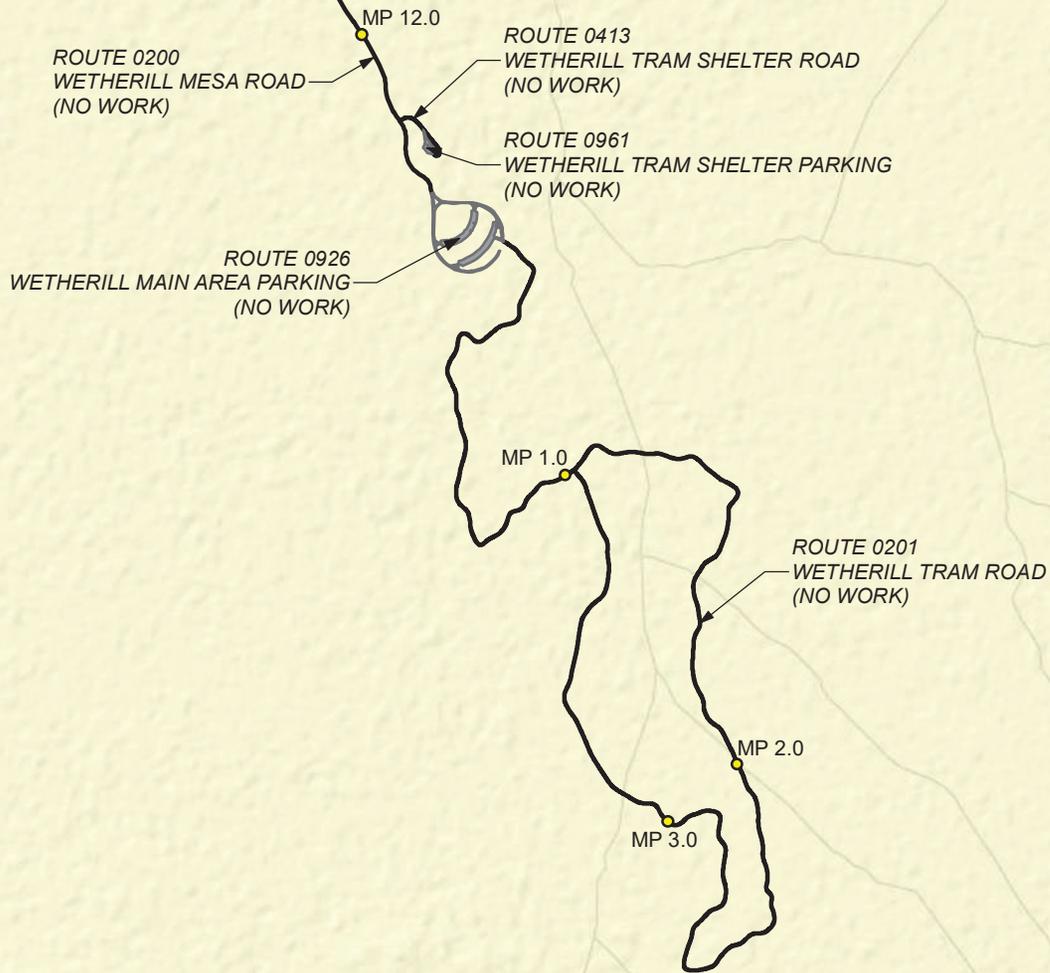
-  Chip Seal
-  Micro Surfacing Type 2
-  No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 8**

8/16/2022 11:50:01\Jobs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DIWEVE AREA MAPS.mxd

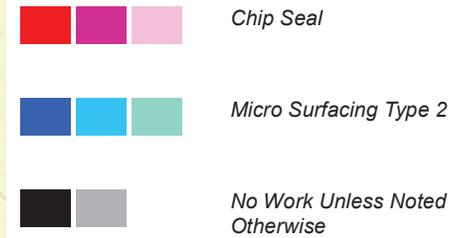
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.34



NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

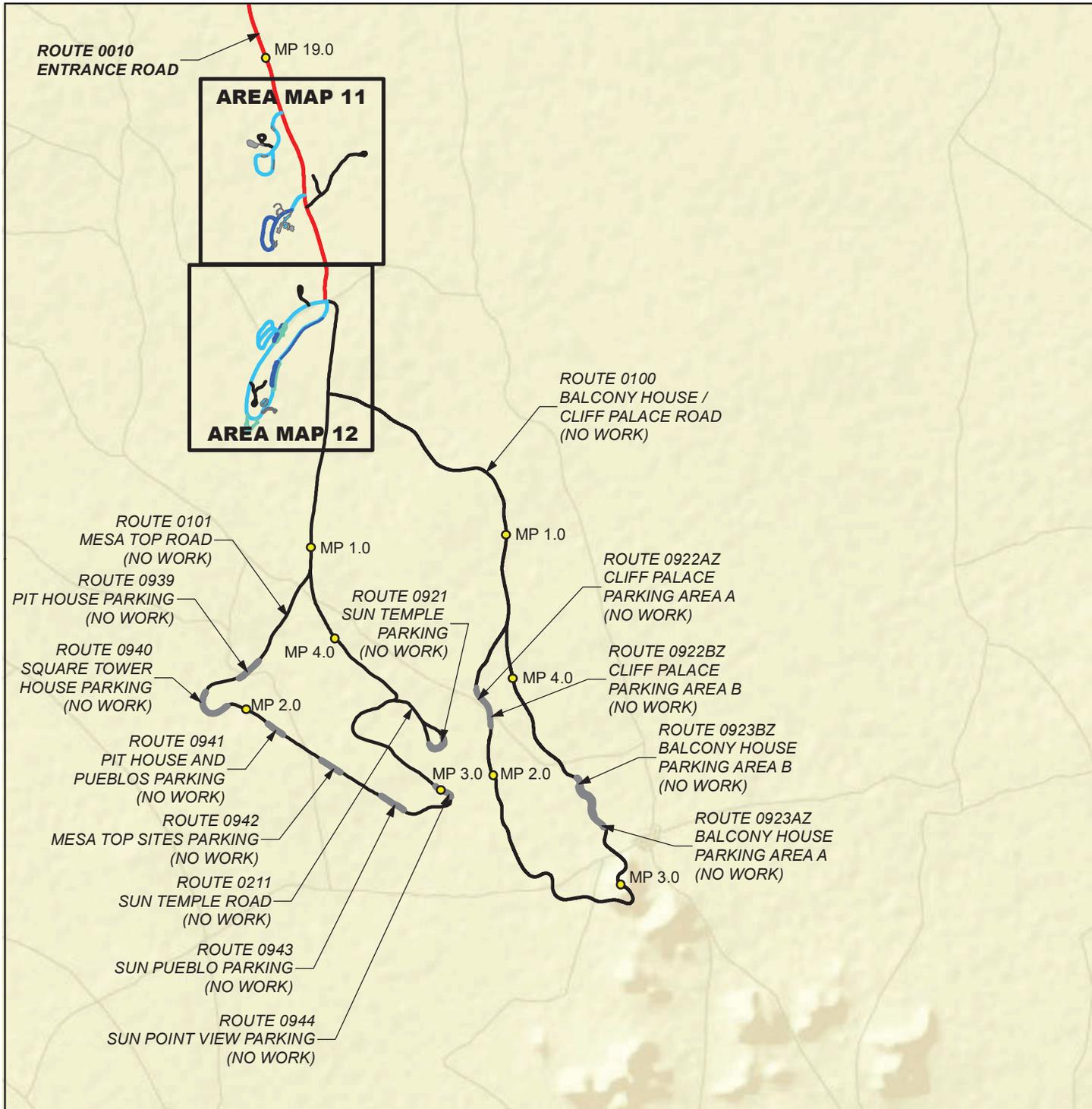
LEGEND:



**MESA VERDE
NATIONAL PARK
AREA MAP 9**

8/16/2022 11:50:01 Jobs\Transportation\WXXZ7313_22\F000030_CO_Co_Pave Pres800_FHWA122F000030\01-CADD\Sheets\DIWEVE AREA MAPS.mxd

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.35



NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

	Chip Seal
	Micro Surfacing Type 2
	No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 10**

8/16/2022 11:50:01\Jobs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DIWEVE AREA MAP 11.mxd

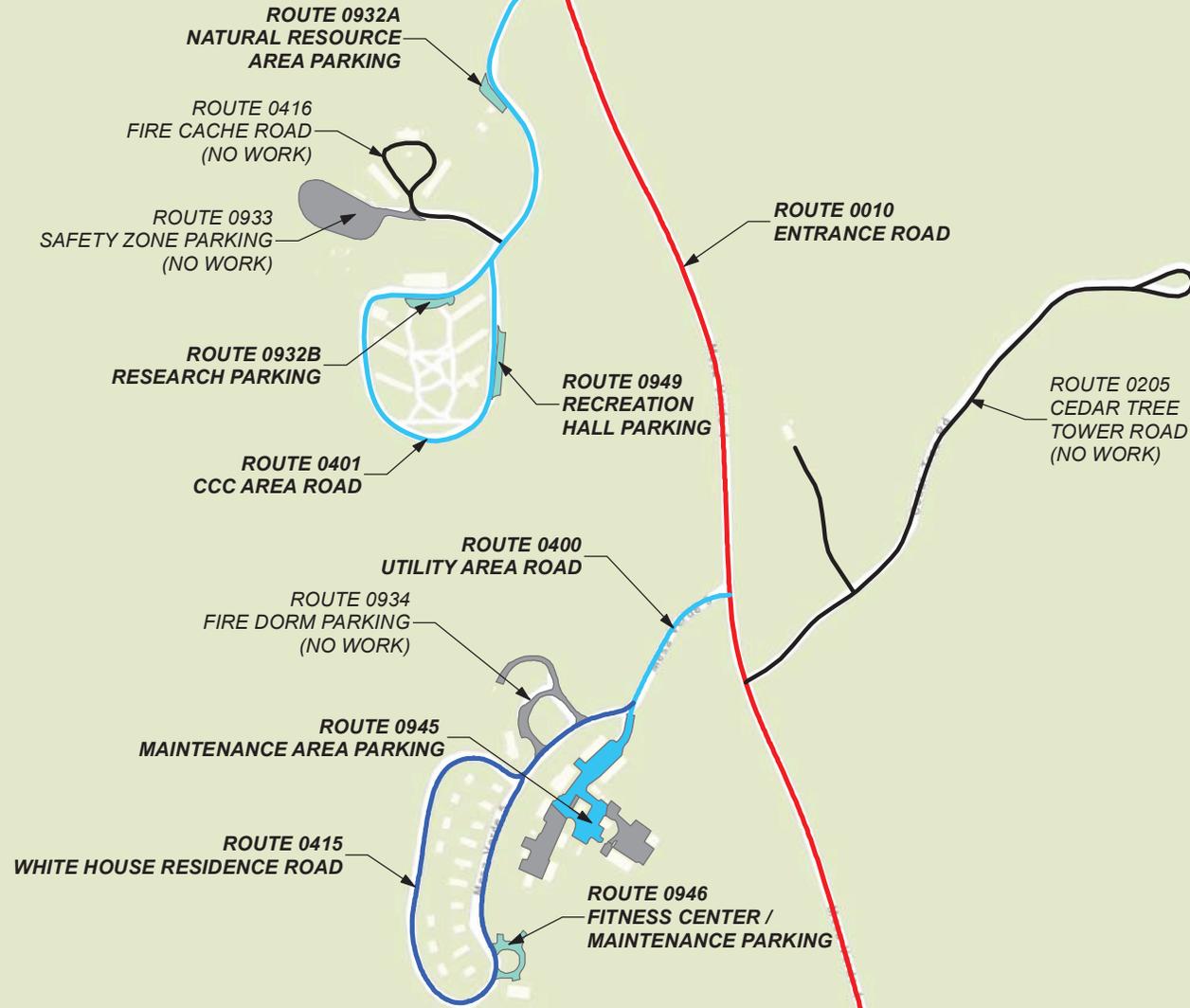
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.36

NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

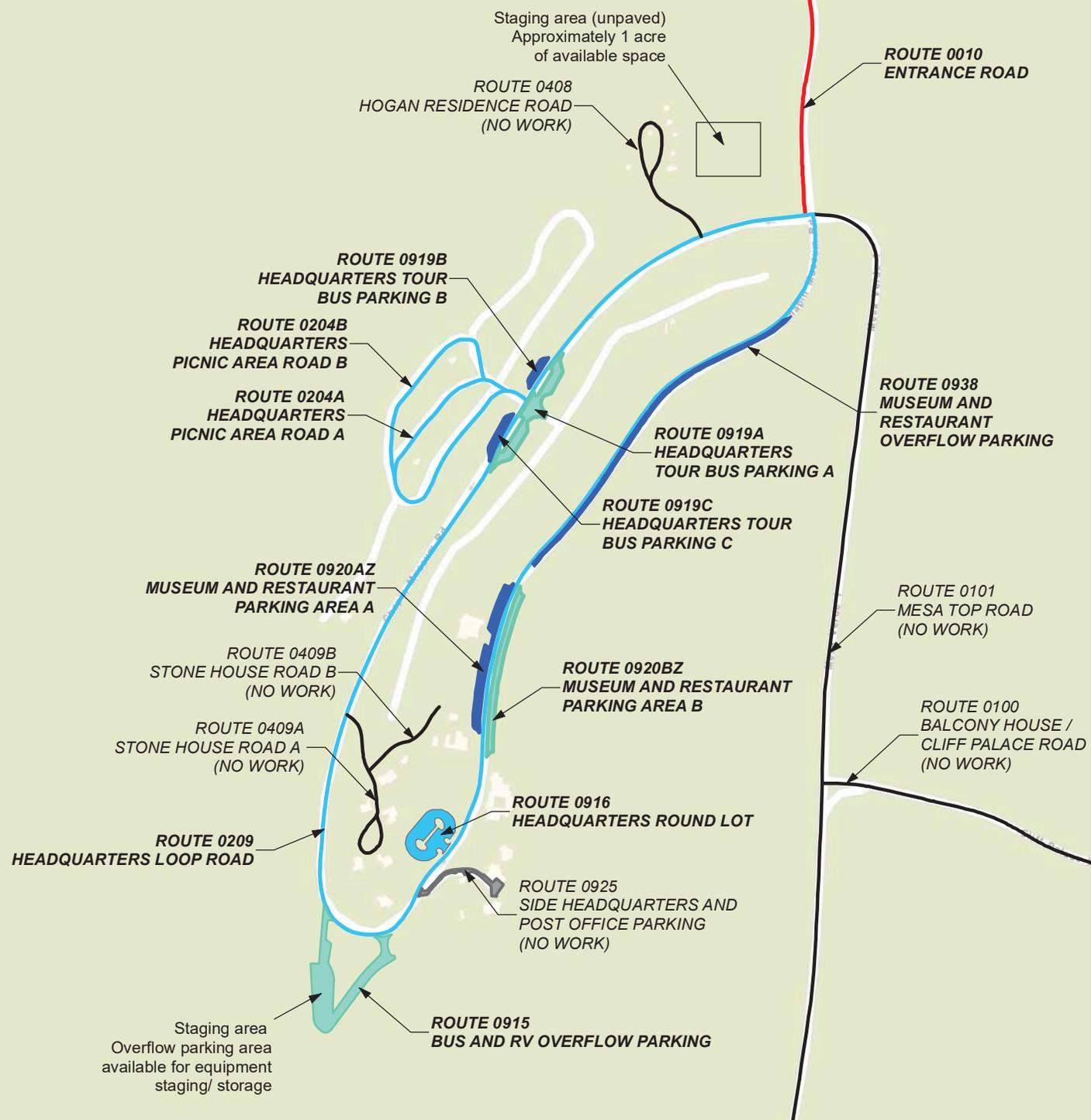
-  Chip Seal
-  Micro Surfacing Type 2
-  No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 11**

8/19/2022 \\lucstsovs01\Jobs\Transportation\WXZZ7300_WFL_IDIQ_2021\WXZZ7313_22\F000030_CO_Pave Pres\800_FHWA\22\F000030\01-CADD\Sheets\DIWEVE AREA MAP_12.mxd

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.37



NOTE:

1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

- Chip Seal (Red, Magenta, Pink)
- Micro Surfacing Type 2 (Blue, Cyan, Teal)
- No Work Unless Noted Otherwise (Black, Grey)

0 500 1,000 Feet

James Mills
 COLORADO LICENSED
 25765
 PROFESSIONAL ENGINEER

MESA VERDE NATIONAL PARK AREA MAP 12

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	E.3

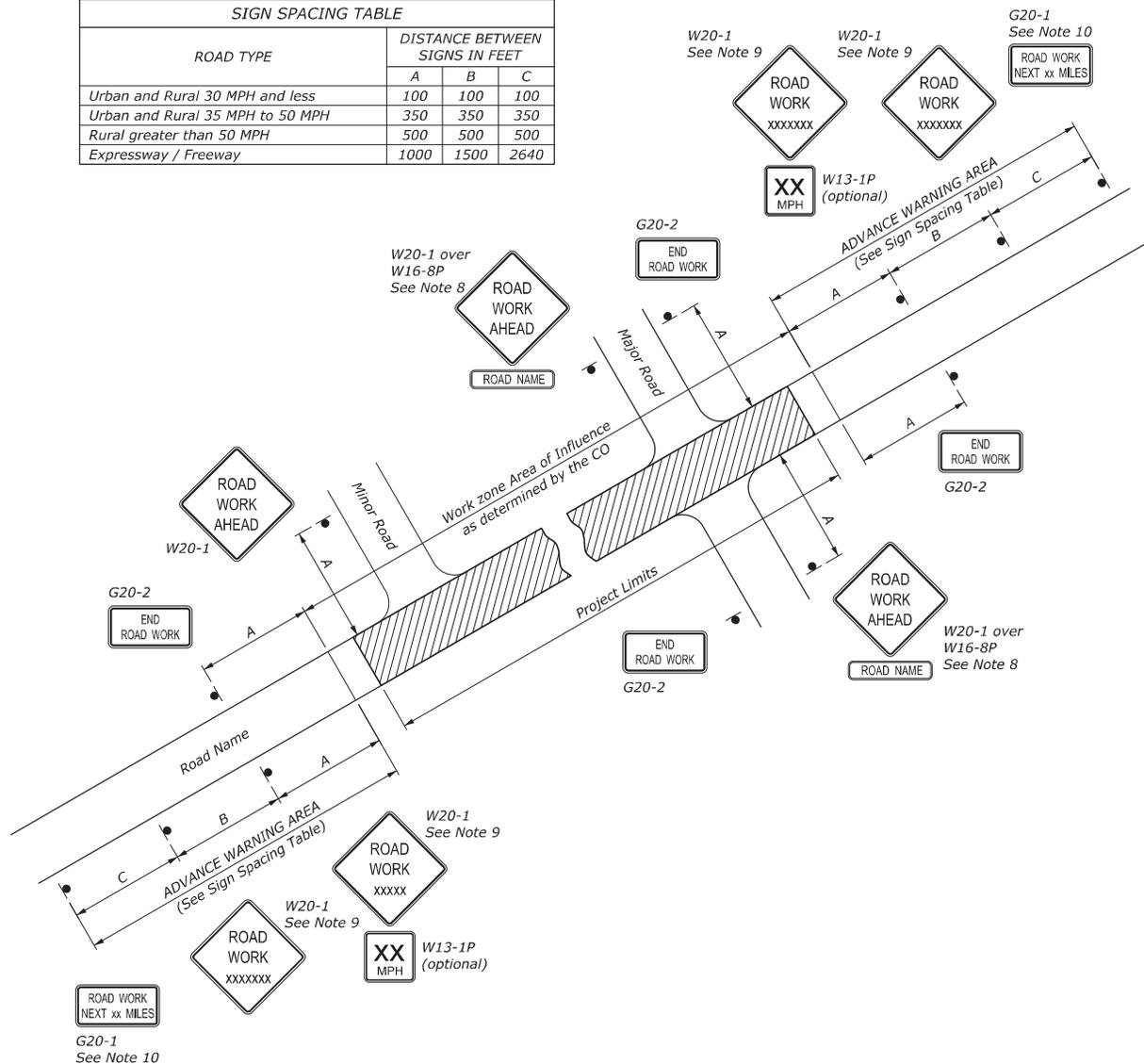
NPS PMIS NO.: 326427,
326392, 326375, 326379

ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban and Rural 30 MPH and less	100	100	100
Urban and Rural 35 MPH to 50 MPH	350	350	350
Rural greater than 50 MPH	500	500	500
Expressway / Freeway	1000	1500	2640

NOTE:

- Erect all project advance warning signs before starting construction work.
- Not all details shown on the temporary traffic control sheets may be applicable to this project. The Contractor may add or delete information and details in this traffic control plan as necessary to accommodate actual operations.
- Where advance warning signs, placed as shown, interfere with permanent signs, locate the warning signs to fit field conditions as approved by the CO. Vary messages as required.
- Install advisory speed plates under the W20 series warning signs as needed to indicate a maximum recommended speed through the construction area.
- Ensure all sign supports exposed to impact by traffic meet the requirements of NCHRP-350 or MASH for crashworthiness.
- Maintain two-way traffic during all non-work hours except as approved by the CO.
- Do not store traffic control devices along the roadway when not in use. Cover post-mounted signs when not applicable.
- If W20-1 is placed on a roadway other than that on which the actual construction work occurs, include a supplementary plaque indicating the name of the road on which the construction does occur (applies to major roads only).
- The message on the W20-1 signs may be ROAD WORK AHEAD or may specify the distance to the work area in feet or in miles. Install an additional W20-1 sign when approach speeds exceed 50 MPH. When used, place the two W20-1 signs "B" feet apart according to the Sign Spacing Table.
- For work zones that are 2 miles or more in length, install G20-1 signs at each end of the project. Show the distance on the G20-1 sign to the nearest whole mile.
- If signing on a roadway under a jurisdiction other than the client agency, verify that an encroachment permit has been obtained.
- State standards may be used as an alternative if approved by the CO.
- Refer to Section 635 of the Special Contract Requirements for allowable retroreflective sheeting types.

10 MAY 2022 11:12 AM c:\pwworking\firm\2022\326427\326427.dwg [6/6/22 6:51:11 AM]



NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LANDS HIGHWAY	
FLH STANDARD	
TEMPORARY TRAFFIC CONTROL ADVANCE SIGNING	
STANDARD APPROVED FOR USE 6/2005	STANDARD
REVISED: 7/2022	635-1

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	E-4

NPS PMIS NO.: 326427,
326392, 326375, 326379

NOTE:

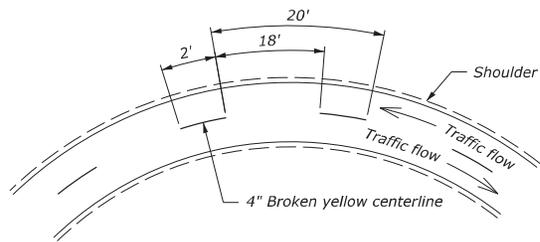
1. To substitute raised pavement markers for lines, use the following patterns:

2' broken line: two pavement markers spaced 2' apart allowed by the gap shown based on curvature.

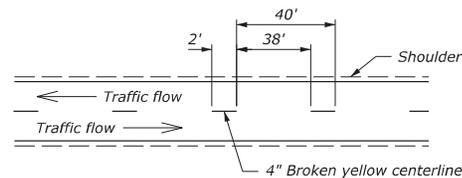
Single solid line: pavement markers spaced on 10' centers.

Double solid line: two pavement markers, side by side, spaced on 10' centers.

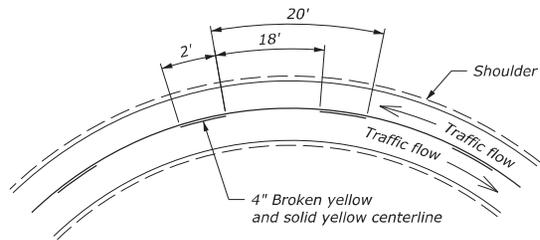
2. On two- or three-lane roads, signs may be used instead of temporary pavement markings as shown on Standard 635-3.



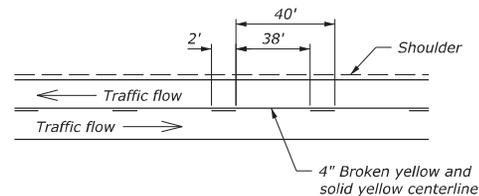
DETAIL A1
Passing zone both directions
Two-way traffic



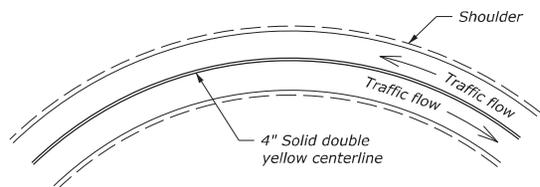
DETAIL B1
Passing zone both directions
Two-way traffic



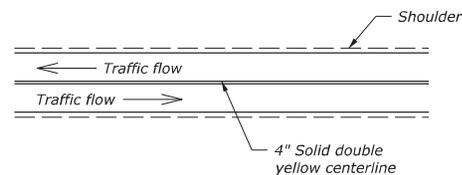
DETAIL A2
No passing zone one direction
Two-way traffic



DETAIL B2
No Passing zone one direction
Two-way traffic



DETAIL A3
No passing zone both directions
Two-way traffic



DETAIL B3
No Passing zone both directions
Two-way traffic

DETAIL A
Curves < 500' Radius

DETAIL B
Tangents or Curves ≥ 500' Radius

NO SCALE

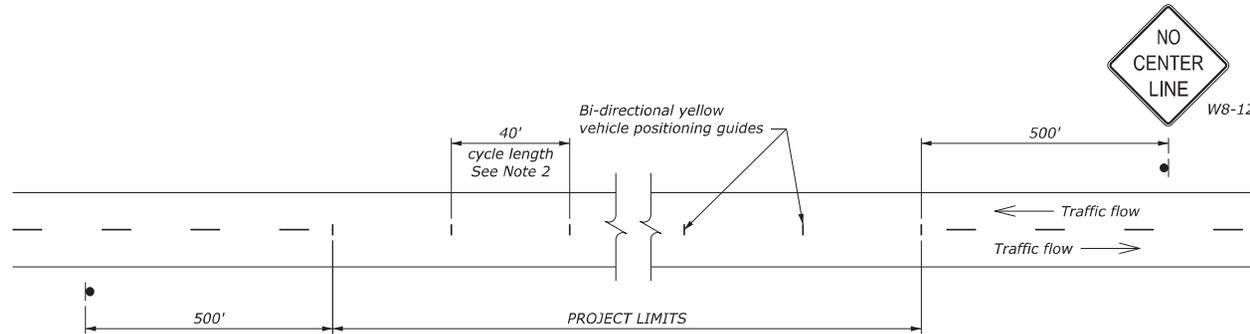
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LANDS HIGHWAY	
FLH STANDARD	
TEMPORARY PAVEMENT MARKINGS	
STANDARD APPROVED FOR USE 6/2005 REVISED: 7/2022	STANDARD 635-2

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	E.5

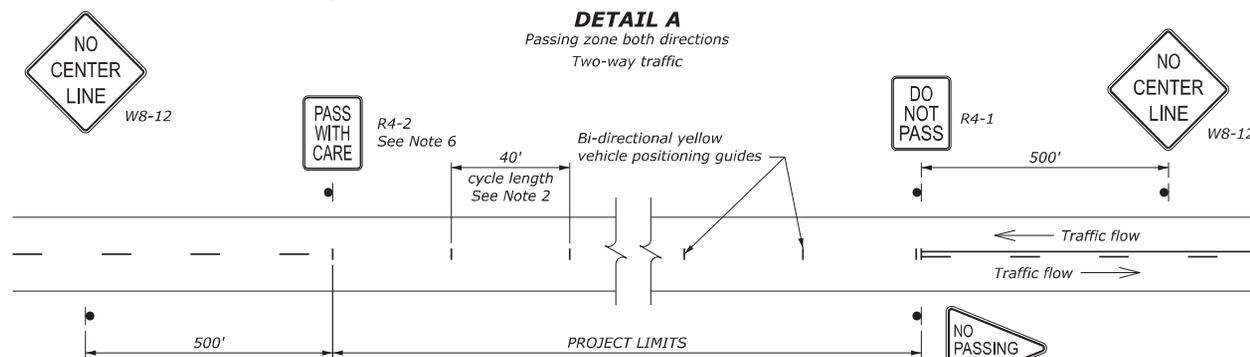
NPS PMS NO.: 326427,
326392, 326375, 326379

NOTE:

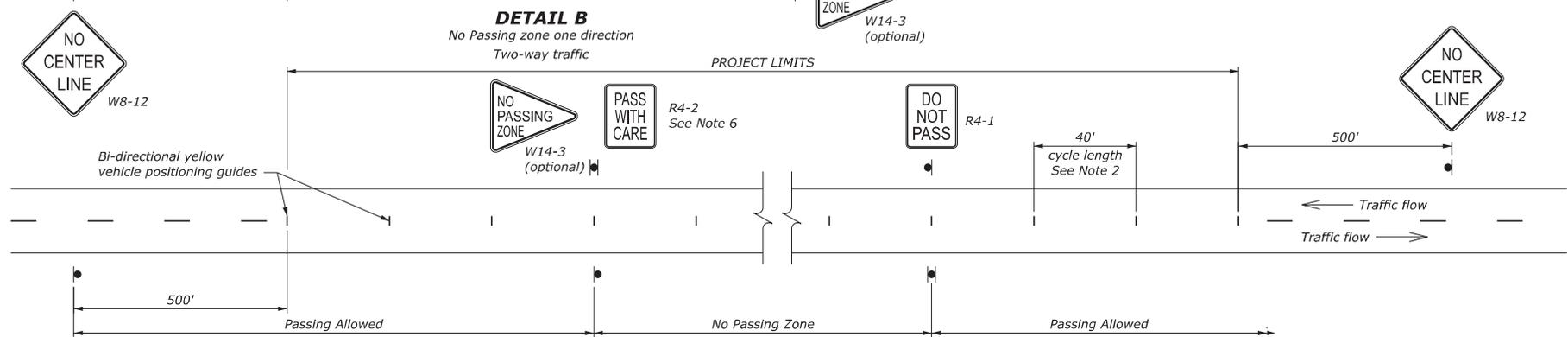
1. The pavement on two- or three-lane roads may remain unmarked up to 14 days when providing signs according to this standard. Optionally use the vehicle positioning guides to provide additional delineation.
2. On curves with radius less than 500', reduce cycle length to 20'.
3. Use permanent markings plan to determine no passing zones for each direction of travel.
4. Repeat R4-1 at 1 mile intervals.
5. Repeat W8-12 after each major intersection and every 2 miles for temporary traffic control zones greater than 3 miles long.
6. Use the PASS WITH CARE (R4-2) sign at the downstream end of a no-passing zone only if a DO NOT PASS (R4-1) sign has been installed at the upstream end of the zone.



DETAIL A
Passing zone both directions
Two-way traffic



DETAIL B
No Passing zone one direction
Two-way traffic



DETAIL C
No Passing zone both directions
Two-way traffic

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LANDS HIGHWAY	
FLH STANDARD	
DELINEATION AND SIGNING FOR UNMARKED PAVEMENTS	
STANDARD APPROVED FOR USE 6/2005 REVISED: 7/2022	STANDARD 635-3

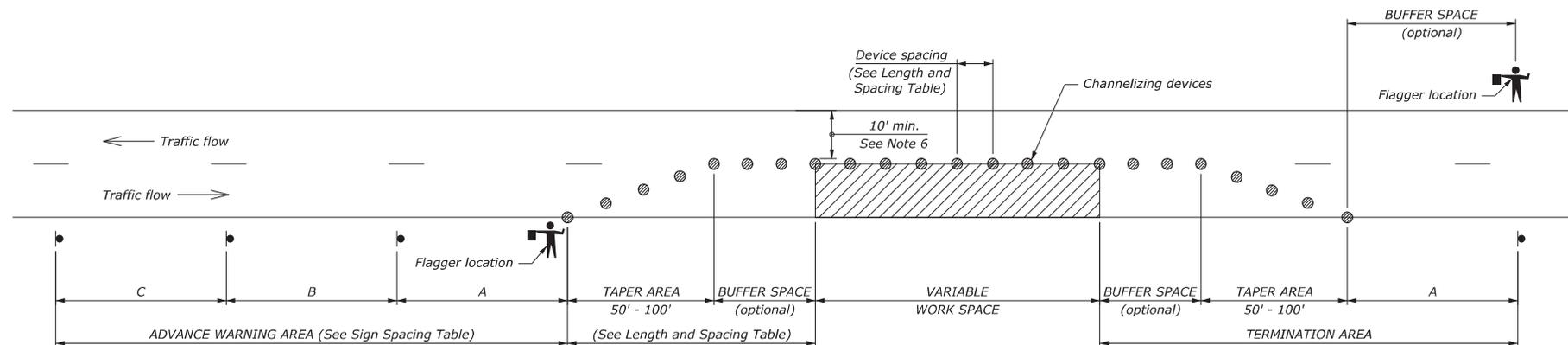
LENGTH AND SPACING TABLE				
APPROACH SPEED*	BUFFER SPACE LENGTH	CHANNELIZING DEVICE		
		TAPER AREA	BUFFER SPACE	WORK SPACE
MPH	FEET	SPACING IN FEET		
20	115	20	40	40
25	155	20	50	50
30	200	20	60	60
35	250	20	70	70
40	305	20	80	80
45	360	20	90	90
50	425	20	100	100
55	495	20	110	110
60	570	20	120	120
65	645	20	130	130
70	730	20	140	140

* Approach speed based on the regulatory posted speed, not the advisory speed.

SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban and Rural 30 MPH and less	100	100	100
Urban and Rural 35 MPH to 50 MPH	350	350	350
Rural greater than 50 MPH	500	500	500
Expressway / Freeway	1000	1500	2640

NOTE:

1. Signs are shown for one direction of travel only. Place signs similar to those depicted for the opposite direction of travel.
2. Final location and spacing of devices may be changed to fit field conditions as approved by the CO.
3. For pilot car operation, mount the PILOT CAR FOLLOW ME (G20-4) sign at a conspicuous location on the rear of vehicle. Prominently display the name of the Contractor on the pilot car.
4. If closure is completely within the project limits, eliminate the ROAD WORK AHEAD (W20-1) and END ROAD WORK (G20-2) signs.
5. For night time flagging operation, provide floodlighting at flagger stations.
6. For project specific minimum width, refer to the Special Contract Requirements, Section 156.
7. Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.



W20-1
See Note 4



W20-4



W13-1P
(optional)



W20-7



W16-2P
(optional)



G20-2
See Note 4

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

FLH STANDARD

**TEMPORARY TRAFFIC CONTROL
SINGLE LANE CLOSURE LAYOUT
(WITH FLAGGERS)**

STANDARD APPROVED FOR USE 6/2005	STANDARD
REVISED: 7/2022	635-6

NO SCALE

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	E.7

NPS PMS NO.: 326427,
326392, 326375, 326379

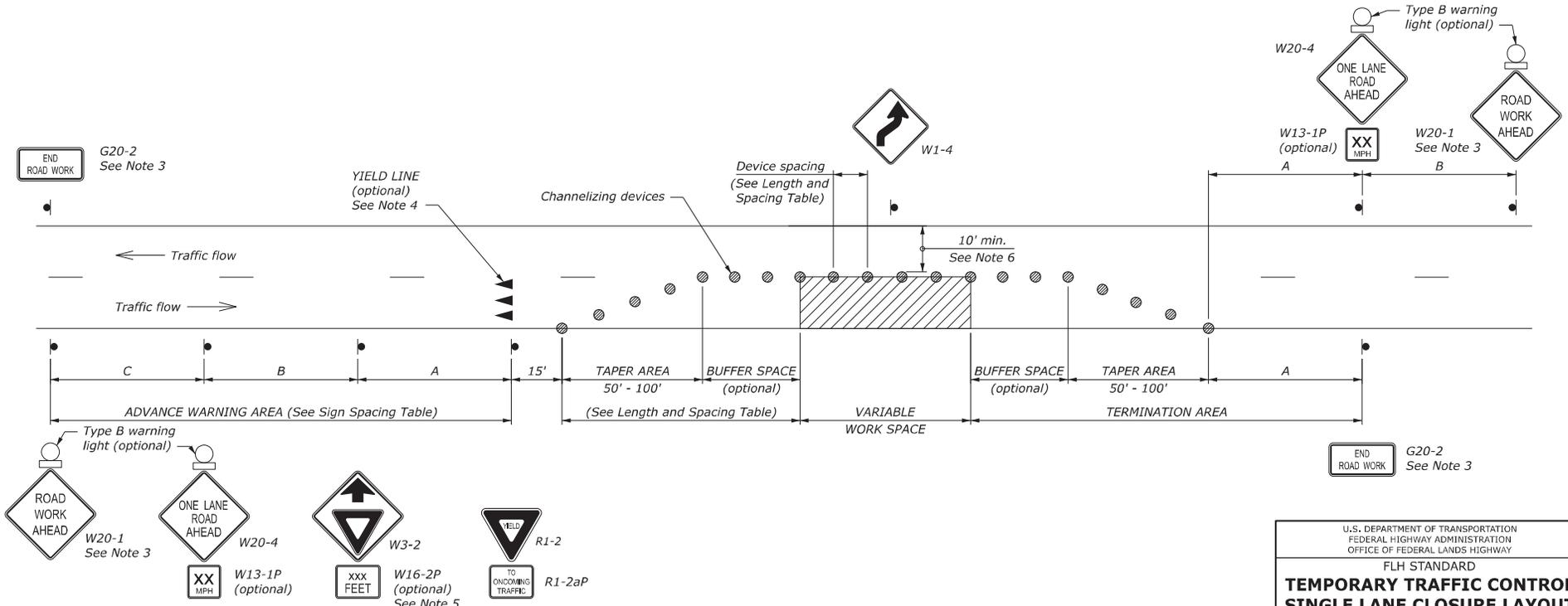
LENGTH AND SPACING TABLE				
APPROACH SPEED*	BUFFER SPACE LENGTH	CHANNELIZING DEVICE		
		TAPER AREA	BUFFER SPACE	WORK SPACE
MPH	FEET	SPACING IN FEET		
20	115	20	40	40
25	155	20	50	50
30	200	20	60	60
35	250	20	70	70
40	305	20	80	80
45	360	20	90	90
50	425	20	100	100
55	495	20	110	110
60	570	20	120	120
65	645	20	130	130
70	730	20	140	140

* Approach speed based on the regulatory posted speed, not the advisory speed.

SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban and Rural 30 MPH and less	100	100	100
Urban and Rural 35 MPH to 50 MPH	350	350	350
Rural greater than 50 MPH	500	500	500
Expressway / Freeway	1000	1500	2640

NOTE:

1. Use this layout only if sufficient gaps in oncoming traffic exist for traffic that must yield, and if drivers from both directions are able to see approaching traffic through and beyond the work site.
2. Final location and spacing of devices may be changed to fit field conditions as approved by the CO.
3. If closure is completely within the project limits, eliminate the ROAD WORK AHEAD (W20-1) and END ROAD WORK (G20-2) signs.
4. If the surface is paved, install yield lines that comply with Section 3B.16 of the MUTCD.
5. Use the YIELD AHEAD (W3-2) sign when approach speeds exceed 50 MPH.
6. For project specific minimum width, refer to Special Contract Requirements, Section 156.
7. Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

FLH STANDARD

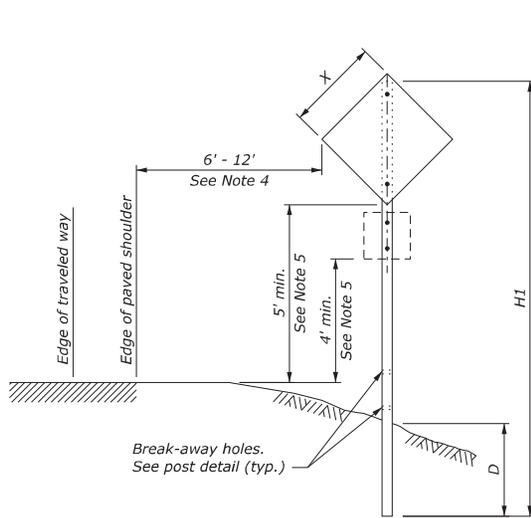
**TEMPORARY TRAFFIC CONTROL
SINGLE LANE CLOSURE LAYOUT
(WITH YIELD SIGN)**

STANDARD APPROVED FOR USE 6/2005	STANDARD
REVISED: 7/2022	635-7

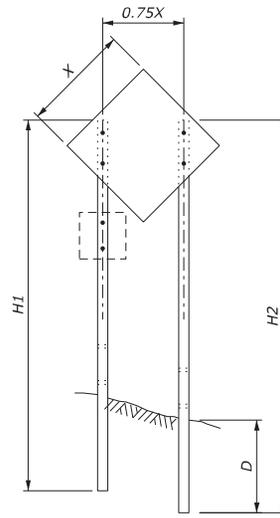
NO SCALE

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	E.8

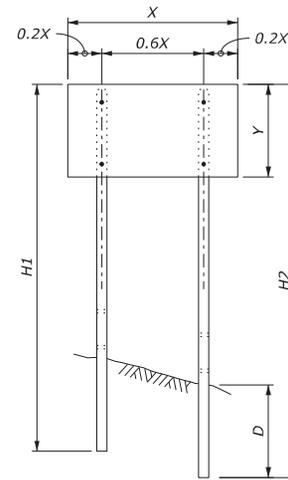
NPS PMIS NO.: 326427,
326392, 326375, 326379



SINGLE POST SIGN



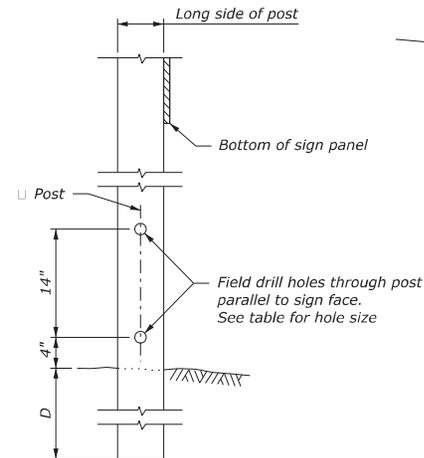
TWO POST SIGN



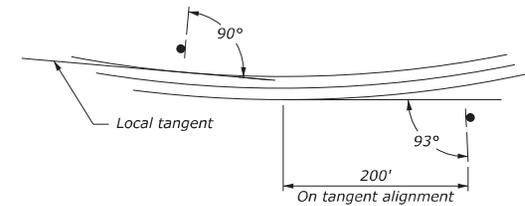
NOTE:

1. Attach sign panels with a minimum of 2 - 1/4" dia. bolts per post.
2. H1 and H2 = Overall post length. Select post lengths to fit field conditions.
3. D = Post embedment depth for average soil conditions.
4. In areas where lateral distance is limited, a minimum lateral offset of 2' may be used. In areas with curbs, a minimum lateral distance of 1' behind the face of the curb may be used.
5. In pedestrian locations, or in areas with obstructed views, use 7' minimum mounting height for main sign and 6' minimum mounting height for secondary sign.
6. Use 7' minimum spacing between posts for sign posts 6" x 6" or larger.
7. State standards may be used as an alternative if approved by the CO.

WOOD POST SELECTION TABLE					
WIDTH "X"	AREA (SQFT)	NUMBER OF POSTS	POST SIZE (INCH)	D (INCH)	HOLE SIZE (INCH)
Diamond ≤ 36"	< 10	1	4 x 4	36	0
		1	4 x 6	48	1.5
Other Shapes ≤ 48"	10 - 20	1	6 x 6	48	2
		2	4 x 4	36	0
Diamond ≤ 48"	10 - 20	2	4 x 4	36	0
		2	4 x 6	48	1.5
Other Shapes ≤ 12'	20 - 50	2	4 x 6	48	1.5
		2	6 x 6	48	2
> 13'	50 - 65	2	6 x 6	48	2
12' - 16'	50 - 65	3	4 x 6	48	1.5
> 17'	65 - 95	4	4 x 6	48	1.5
> 30'	65 - 95	3	6 x 6	48	2



POST DETAIL



SIGN INSTALLATION ANGLE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LANDS HIGHWAY	
FLH STANDARD	
TEMPORARY TRAFFIC CONTROL SIGN INSTALLATION WOOD POSTS	
STANDARD APPROVED FOR USE 6/2005	STANDARD
REVISED: 7/2022	635-14

NO SCALE

PAVEMENT MARKING SUMMARY

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.1

BID ITEM NUMBER		FIO										FIO				63405-0050	63313-0000	63315-0000	63407-0200			
ROUTE NUMBER	ROUTE NAME	YELLOW CENTERLINE and MISC. MARKINGS	SOLID EDGE LINES and MISC. MARKINGS	PARKING STALL LINES (TYPE B)	CROSS-WALK STRIPING (TYPE B)	HATCHED AREAS (TYPE B)	STOP LINE	PAVEMENT MARKINGS (TYPE B)	MISC SYMBOLS	ABA ACCESSIBLE SYMBOL	STOP LETTERING	ARROWS	PAVEMENT MARKINGS, SYMBOLS (TYPE B)	RUMBLE STRIP (CENTERLINE)	RUMBLE STRIP	RECESSED PAVEMENT MARKER, BI-DIRECTIONAL REFLECTIVE						
		YELLOW	WHITE	WHITE	WHITE	BLUE	YELLOW	WHITE	WHITE	WHITE	(TYPE B) BLUE	(TYPE B) YELLOW	(TYPE B) WHITE	(TYPE B) GREEN					(TYPE B)	(CENTERLINE)		
		LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	EACH	EACH	EACH	EACH	LNFT	SQYD	EACH
0010	Entrance Road	2,956	2,956						144		2,956	3,100										
Parking Areas																						
0900	VC Parking Lot		530	1,960					1,200			3,690			3				3			
SHEET TOTAL		2,956	3,486	1,960					1,200	144	2,956	6,790			3				3			



NOTES:

- Solid Edge Lines & Misc. Markings include edge (fog) lines, parallel parking lines, lane separation lines, transverse stall lines for parking areas & curb paint.
- Match existing pavement markings or as directed by the CO.
- Quantities shown include 2 coats of pavement markings when paid by the LNFT.
- FIO = For Information Only.

**TABULATION OF
PERMANENT
PAVEMENT
MARKINGS**

**BENT'S OLD FORT
NATIONAL HISTORIC SITE**

PAVEMENT MARKING SUMMARY

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.2

BID ITEM NUMBER		FIO										63401-0000	63401-0000	63401-0000	63401-0000	FIO				63405-0050	63313-0000	63315-0000	63407-0200									
ROUTE NUMBER	ROUTE NAME	YELLOW CENTERLINE and MISC. MARKINGS		SOLID EDGE LINES and MISC. MARKINGS		PARKING STALL LINES (TYPE B)		CROSS-WALK STRIPING (TYPE B)		HATCHED AREAS (TYPE B)		HATCHED AREAS (TYPE B)		HATCHED AREAS (TYPE B)		STOP LINE		PAVEMENT MARKINGS (TYPE B)	MISC SYMBOLS	ABA ACCESSIBLE SYMBOL	STOP LETTERING	ARROWS	PAVEMENT MARKINGS, SYMBOLS (TYPE B)	RUMBLE STRIP (CENTERLINE)	RUMBLE STRIP	RECESSED PAVEMENT MARKER, BI-DIRECTIONAL REFLECTIVE						
		YELLOW	WHITE	WHITE	WHITE	WHITE	BLUE	YELLOW	WHITE	WHITE	BLUE	YELLOW	WHITE	WHITE	BLUE	YELLOW	WHITE	WHITE	(TYPE B)	(TYPE B)	(TYPE B)	(TYPE B)					(TYPE B)					
		LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	
0010	Elk Creek Entrance Road	12,248	8,152										4,080	216				12,248	12,448							4	4					
0100	Lake Fork Campground Road	3,800	3,800											72				3,800	3,872									22				
0200	Iola Road	4,648	4,648											72				4,648	4,720													
0207AZ	Elk Creek Campground Road A	9,716	9,876											72				9,716	9,948													
0207BZ	Elk Creek Campground Road B	200	200															200	200													
0220	Elk Creek Service Road	320																320														
0221	Old US Highway 50	7,816												72				7,816	72													
0226	Elk Creek Campground Loop A					252													252													
0227	Elk Creek Campground Loop B					252													252													
0228	Elk Creek Campground Loop C																															
0229	Elk Creek Campground Loop D																														No pavement markings	
0230	Cimarron Campground Loop	200									600			72				800	72						2	2					No pavement markings	
0240	Lake Fork Lower Campground Road	4,648				2,320												4,648	4,120			2						22				
0241	Lake Fork Upper Campground Loop	6,124				4,340												6,124	5,204			4										
0400	Elk Creek Maintenance Road	4,648	4,648											72				4,648	4,720													
Parking Areas																																
0903	Visitor Center Parking	600			4,320	600							12,960	144				600	18,024			5	5				10				Misc. Text Symbols: (5) "NPS ONLY" text	
0904	Marina Parking				9,122								8,700						17,822	2,160		8	13			6	27				Misc. Text Symbols: (4) "EMPLOYEES ONLY" text; (1) "NPS ONLY" text; (1) "EMERGENCY VEHICLES ONLY" text; (2) EV symbols	
0906	Elk Creek Picnic Area Parking	320			1,260								480	120				320	1,860								2					No pavement markings
0907	RV Sewer Dump Station																															No pavement markings
0908	Wash Station																															No pavement markings
0909A	Kiosk Parking A				180														180													
0909B	Kiosk Parking B				72								422						494			1					1					
0910A	Lake Fork Visitor Center Parking A																															No pavement markings
0910B	Lake Fork Visitor Center Parking B				144								480						624								2					
0911	RV Dump Station																															No pavement markings
0912	Lake Fork Lower Campground Loop Parking				144								240						384								2					
0914A	Lake Fork Marina Parking A				3,560								3,360						6,920			18	4					22				Misc. Text Symbols: (10) "BOAT AND TRAILER PARKING" text; (4) "EMPLOYEES ONLY" text
0914B	Lake Fork Marina Parking B				612								3,312						3,924								2					
0915	Lake Fork Handicap Parking				40								240						280								1					
0916A	Iola Parking A				864								480						1,344								2					
SHEET TOTAL		55,288	31,324	27,482	600			600	37,418	912			55,888	97,736	2,160	31	40								12	83		44				



NOTES:
 1. Solid Edge Lines & Misc. Markings include edge (fog) lines, parallel parking lines, lane separation lines, transverse stall lines for parking areas & curb paint.
 2. Match existing pavement markings or as directed by the CO.
 3. Quantities shown include 2 coats of pavement markings when paid by the LNFT.
 4. FIO = For Information Only.

**TABULATION OF
 PERMANENT
 PAVEMENT MARKINGS**

**CURECANTI NATIONAL
 RECREATION AREA**

PAVEMENT MARKING SUMMARY

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.3

BID ITEM NUMBER		FIO									63401-0000	63401-0000	63401-0000	63401-0000	FIO				63405-0050	63313-0000	63315-0000	63407-0200	Remarks	
ROUTE NUMBER	ROUTE NAME	YELLOW CENTERLINE and MISC. MARKINGS	SOLID EDGE LINES and MISC. MARKINGS	PARKING STALL LINES (TYPE B)	CROSS-WALK STRIPING (TYPE B)	HATCHED AREAS (TYPE B)	STOP LINE	PAVEMENT MARKINGS (TYPE B)	MISC SYMBOLS	ABA ACCESSIBLE SYMBOL	STOP LETTERING	ARROWS	PAVEMENT MARKINGS, SYMBOLS (TYPE B)	RUMBLE STRIP (CENTERLINE)	RUMBLE STRIP	RECESSED PAVEMENT MARKER, BI-DIRECTIONAL REFLECTIVE								
		YELLOW	WHITE	WHITE	WHITE	BLUE	YELLOW	WHITE	WHITE	BLUE	YELLOW	YELLOW	WHITE	GREEN	EACH	EACH	EACH	EACH	LNFT	SQYD	EACH			
		LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	EACH	EACH	EACH	EACH	LNFT	SQYD	EACH		
Parking Areas																								
0916B	Iola Parking B			684									684											
0917	Iola Boat Parking			3,690				4,980					8,670		4				4					
0918	Neversink Parking	4,440		72				480	72		4,440	624		1				1						
0921	Old Stevens Creek Parking	3,920		820				1,008	72		3,920	1,900		1				1						
0930A	Cimarron Visitor Center Parking A		66										66											
0930B	Cimarron Visitor Center Parking B			216									384		1			1						
0933	Lake City Bridge Parking			936				960					1,896		1			1						
0941AZ	Neversink Parking A			144									144											
0941BZ	Neversink Parking B			108									108											
0960	Warehouse Storage Area																							No pavement markings
0964AZ	Cimarron Parking A			252				384					636		1			1						
0964BZ	Cimarron Parking B			72				384					456		1			1						
0964CZ	Cimarron Parking C			180									180											
SHEET TOTAL		8,360	66	7,174				8,580	144		8,360	15,964			10			10						



- NOTES:**
- Solid Edge Lines & Misc. Markings include edge (fog) lines, parallel parking lines, lane separation lines, transverse stall lines for parking areas & curb paint.
 - Match existing pavement markings or as directed by the CO.
 - Quantities shown include 2 coats of pavement markings when paid by the LNFT.
 - FIO = For Information Only.

TABULATION OF PERMANENT PAVEMENT MARKINGS

CURECANTI NATIONAL RECREATION AREA

PAVEMENT MARKING SUMMARY

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.4

ROUTE NUMBER	ROUTE NAME	FIO									63401-0000	63401-0000	63401-0000	63401-0000	FIO				63405-0050	63313-0000	63315-0000	63407-0200	Remarks
		YELLOW CENTERLINE and MISC. MARKINGS	SOLID EDGE LINES and MISC. MARKINGS	PARKING STALL LINES (TYPE B)	CROSS-WALK STRIPING (TYPE B)	HATCHED AREAS (TYPE B)	STOP LINE	PAVEMENT MARKINGS (TYPE B)	MISC SYMBOLS	ABA ACCESSIBLE SYMBOL	STOP LETTERING	ARROWS	PAVEMENT MARKINGS, SYMBOLS (TYPE B)	RUMBLE STRIP (CENTERLINE)	RUMBLE STRIP	RECESSED PAVEMENT MARKER, BI-DIRECTIONAL REFLECTIVE							
		LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	EACH	EACH	EACH	EACH	LNFT	SQYD	EACH		
0010	Park Entrance Road	91,028	91,028		750							92,180	91,778					1	1		27		
0200	Dunes Parking Access Road	11,192	11,192		720				120			11,192	12,032										
0201AZ	Dunes Picnic Area Loop A																					No pavement markings	
0201OZ	Dunes Picnic Area Loop Opposite				200								200				2	2					
0201PZ	Dunes Picnic Area Loop Primary				80				96				176				3	3					
0202	Pinon Flats Campground Road	4,436	4,436		720			576				5,012	5,156		1			1					
0202A	Pinon Flats Campground Loop A	400							72			400	72										
0202B	Pinon Flats Campground Loop B	600							72			600	72										
0202C	Pinon Flats Campground Loop C				1,452			432					1,884										
0203	Medano Pass Primitive Road								72				72										
0400	Residence And Utility Road								72				72										
0401AZ	Resource Management Main Road								72				72										
0401CZ	Resource Management Driveway																					No pavement markings	
0403	New Residence Road								72				72										
Parking Areas																							
0900	Dunes Parking Area	640		9,024			1,440	3,148				2,080	12,172		24	6		19	49				Misc. Text Symbols: (22) "BUS/RV/TRAILER PARKING ONLY" text;
0901	Montville Trailhead Parking			840				1,920	72				2,832			1			1				
902	Visitor Center Parking	240		2,750	2,220			2,832	120			240	7,922		1	4		2	7				Misc. Text Symbols: (1) "NPS ONLY" text
0903	Maintenance Shop Parking Area			830				1,900					2,730										
0904A	Headquarters Parking A			120									120		1				1				
0904B	Headquarters Parking B			240									240										
0905	Amphitheater Parking Lot			920				5,700	144				6,764		1				1				
0906	Residence Parking			200									200										
0907	Backcountry Overnight Parking			200									200										
0909AZ	South Ramada Picnic Parking Area A			160				240					400		1				1				Add access aisle
0909BZ	Picnic Parking Area B			80				240					320										
0909CZ	North Ramada Picnic Parking Area C																1		1				
0909DZ	Picnic Parking Area D																						No pavement markings
0909EZ	Picnic Parking Area E																						No pavement markings
0909FZ	Picnic Parking Area F														1				1				
0910	Resource Management Parking			220									220										
0912	Rv Dump Station																						No pavement markings
SHEET TOTAL		108,536	106,656	17,316	4,410		3,168	16,412	984			111,704	145,778		25	16		28	69		27		

NOTES:

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**TABULATION OF
PERMANENT
PAVEMENT
MARKINGS**

**GREAT SAND DUNES
NATIONAL PARK**

PAVEMENT MARKING SUMMARY

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.6

ROUTE NUMBER	ROUTE NAME	FIO										63401-0000	63401-0000	63401-0000	63401-0000	FIO			63405-0050	63313-0000	63315-0000	63407-0200	Remarks
		YELLOW CENTERLINE MARKINGS	SOLID EDGE LINES and MISC. MARKINGS	PARKING STALL LINES (TYPE B)	CROSS-WALK STRIPING (TYPE B)	HATCHED AREAS (TYPE B)	STOP LINE	PAVEMENT MARKINGS (TYPE B)	MISC SYMBOLS	ABA ACCESSIBLE SYMBOL	STOP LETTERING	ARROWS	PAVEMENT MARKINGS, SYMBOLS (TYPE B)	RUMBLE STRIP (CENTERLINE)	RUMBLE STRIP	RECESSED PAVEMENT MARKER, BI-DIRECTIONAL REFLECTIVE							
		LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	EACH	EACH	LNFT	SQYD	EACH				
Parking Areas																							
0932B	Research Parking																				No pavement markings		
0936	Prater Ridge Trail Parking																				No pavement markings		
0938	Museum And Restaurant Overflow Parking			3,500				1,440				4,940		1			1						
0945	Maintenance Area Parking	150					2,832				2,982												
0946	Fitness Center / Maintenance Parking																				No pavement markings		
0947	Bravo Cut Parking			600				384				984		1			1						
0948AZ	Morefield Residence Parking A			600				480				1,080		1			1						
0948BZ	Morefield Residence Parking B			200								200											
0949	Recreation Hall Parking																				No pavement markings		
0953	Fee Office Area Parking							240				240		1			1				Add (1) ABA symbol and access aisle hatch		
0956	Morefield Horse Barn / Sand Shed Area																				No pavement markings		
0957Z	VRC Road And Main Parking Area	4,000	4,000	7,740		1,152	2,352	5,040	360	1,152	6,352	17,140		6		6	12						
0958	Geologic Overlook Parking																				No pavement markings		
0960Z	VRC Employee Parking Area			400		240				240		400		1			1						
SHEET TOTAL		6,150	4,278	13,040		1,392	5,184	7,584	360	1,392	9,334	24,984		11		6	17						
PROJECT TOTAL		672,714	581,634	98,872	5,010	1,392	17,040	81,598	4,800	1,392	687,754	771,636	2,160	57	110	79	246	105,442	84	93			

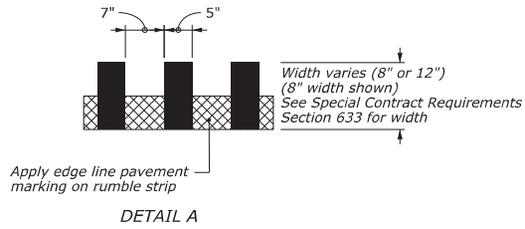
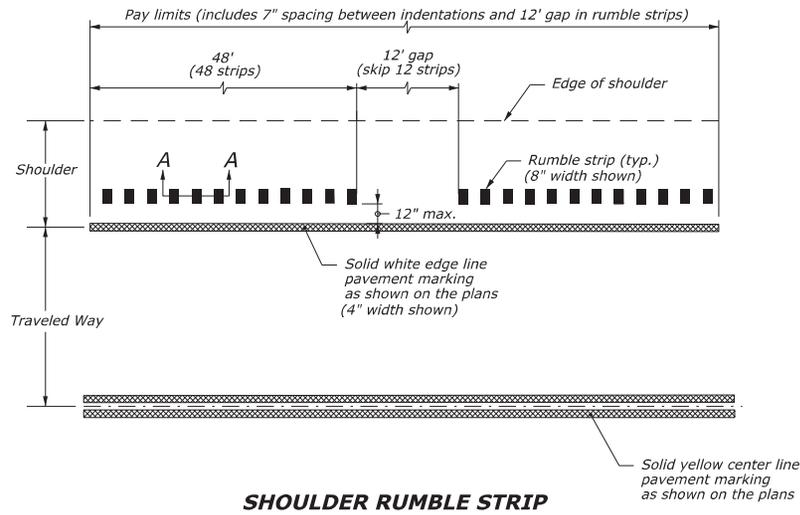


NOTES:
 1. Solid Edge Lines & Misc. Markings include edge (fog) lines, parallel parking lines, lane separation lines, transverse stall lines for parking areas & curb paint.
 2. Match existing pavement markings or as directed by the CO.
 3. Quantities shown include 2 coats of pavement markings when paid by the LNFT.
 4. FIO = For Information Only.

**TABULATION OF
 PERMANENT
 PAVEMENT
 MARKINGS**

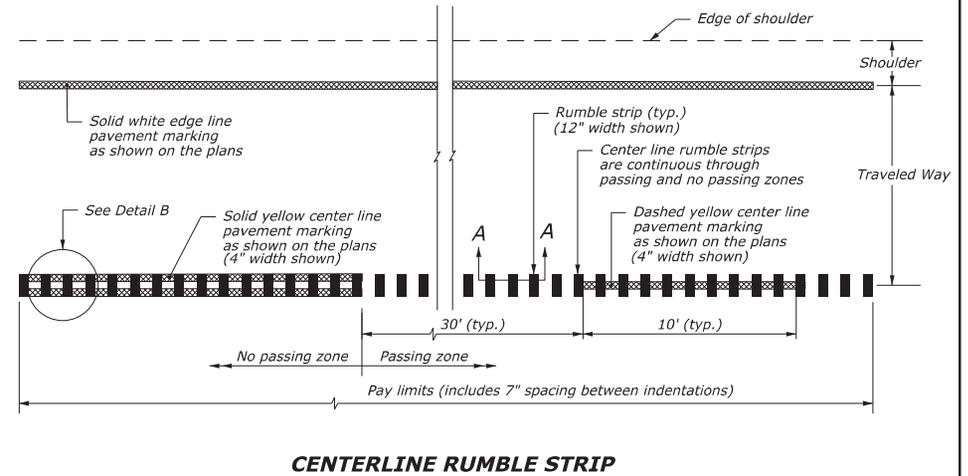
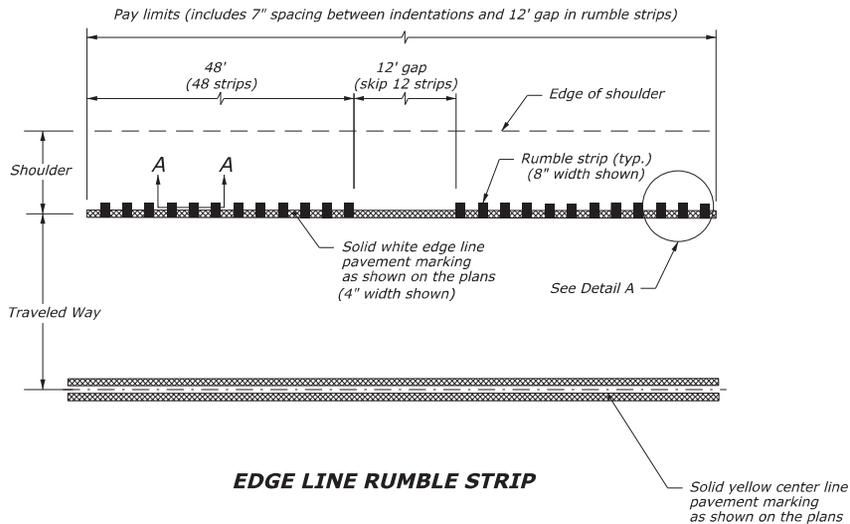
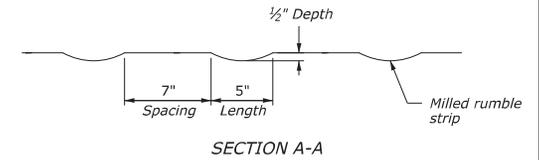
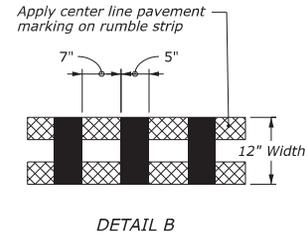
MESA VERDE NATIONAL PARK

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.8



NOTE:

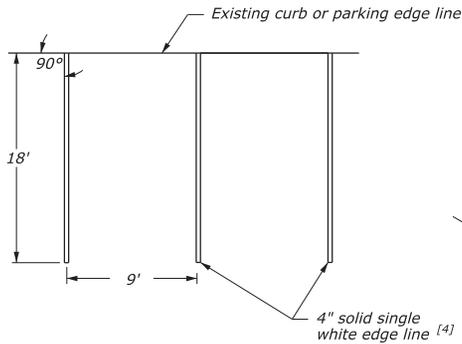
1. See plans for location of shoulder rumble strip gaps at turn lanes, auxiliary lanes, and approach roads.



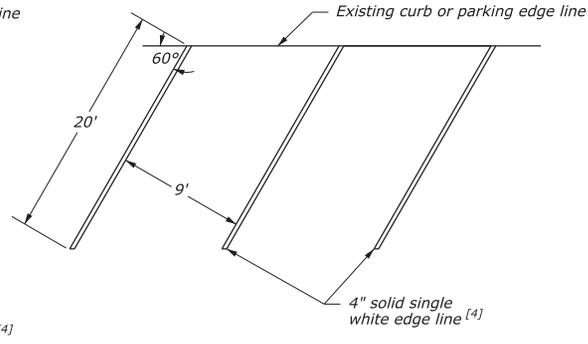
NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
CFLHD DETAIL	
RUMBLE STRIPS	
DETAIL APPROVED FOR USE 01/2011	DETAIL
REVISED 08/2014 07/2017 10/2021	C629-51

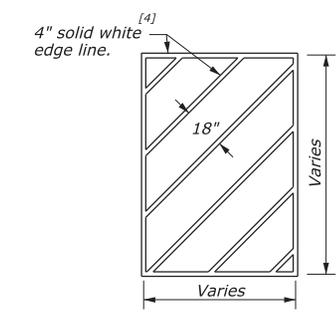
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.9



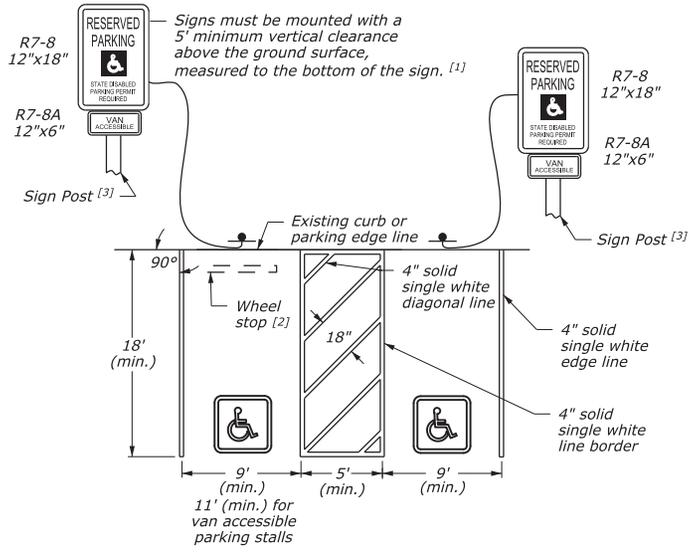
HEAD-ON PARKING STRIPING



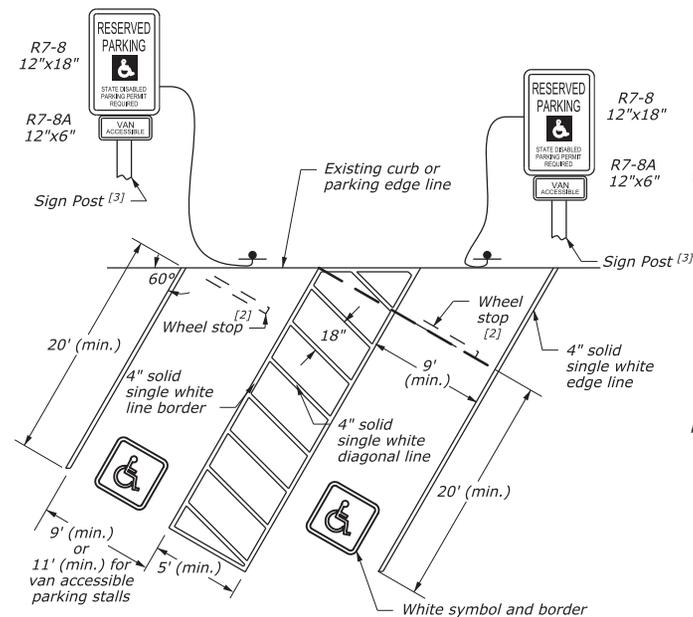
DIAGONAL PARKING STRIPING



NO PARKING HATCH (NON ADA/ABA ACCESS AISLE)



CAR AND VAN ACCESSIBLE SPACE HEAD-ON PARKING WITH HATCHED ACCESS AISLE



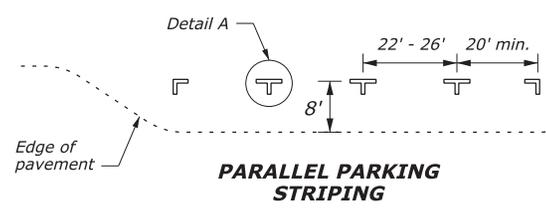
CAR AND VAN ACCESSIBLE SPACE DIAGONAL PARKING WITH HATCHED ACCESS AISLE

NOTE:

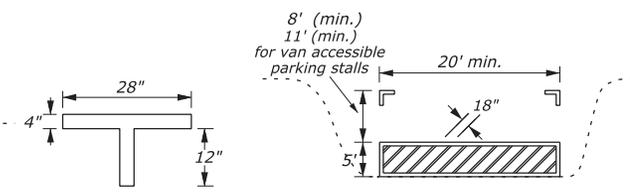
1. Provide striping in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) latest edition.
2. Provide letters, numerals, and symbols that conform with the "Standard Highway Signs", latest edition.
3. Dimensions shown are for informational purposes only. Match existing pavement marking configurations, symbols and words, or as directed by the CO.
4. Use blue edge lines on concrete surfaces for Accessible spaces.
5. Dimensions are to center-line of stripe.

FOOTNOTE:

- [1] Provide signs matching parking details when specified in the Quantity Tabulation. Mount signs with a 5'-0" minimum vertical clearance above the ground surface measured to the bottom of the sign.
- [2] Wheel stop if required to prevent encroachment of vehicles over the required width of walkway.
- [3] Install 4"x4" wood posts conforming to 718.04(a) when specified in the Quantity Tabulations.
- [4] Use only 4" Type B solid white edge lines unless specified as yellow in the Quantity Tabulations or otherwise noted.
- [5] See No Parking Hatch detail on this sheet for striping dimensions and spacings.



PARALLEL PARKING STRIPING



PARALLEL ACCESSIBLE CAR PARKING STRIPING

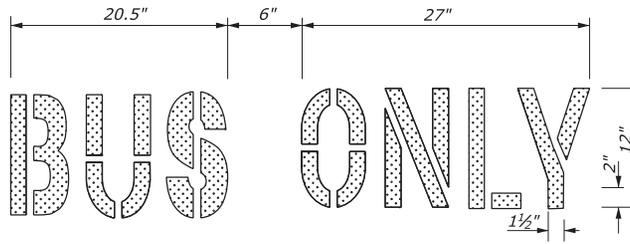
DETAIL A

NO SCALE

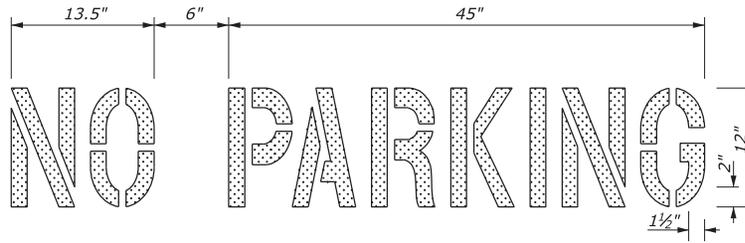
PAVEMENT MARKINGS IN PARKING AREAS

16-Aug-2022 10:00 AM ... pavement markings in parking areas.dgn

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.10



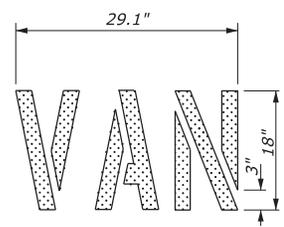
**"BUS ONLY"
WORD MARKING**



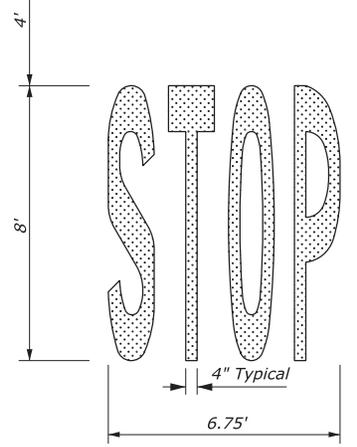
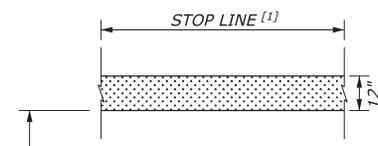
**"NO PARKING"
WORD MARKING**



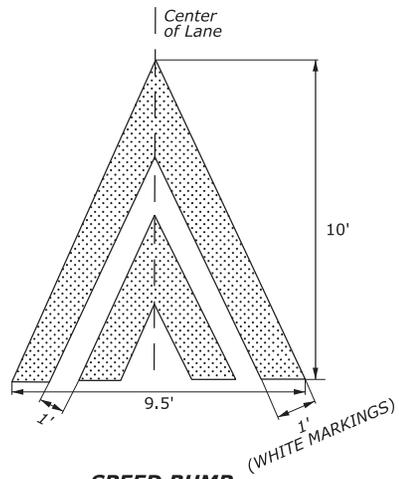
**"RV PARKING"
WORD MARKING**



**"VAN"
WORD MARKING**



**STOP LINE INCLUDING
"STOP" WORD MARKING**



**SPEED BUMP
CHEVRON SYMBOL**

NOTE:

1. Provide striping in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) latest edition.
2. Provide letters, numerals, and symbols that conform with the "Standard Highway Signs", current edition.
3. Match existing pavement marking configurations, symbols and words, or as directed by the CO.

FOOTNOTE:

^[1] Extend stop line across the width of the lane. A 12' lane width was assumed for estimating purposes only.

PAVEMENT MARKING AREAS	
TYPE	SQFT
BUS ONLY Word Marking	2
NO PARKING Word Marking	2
Stop Line Including STOP Word Marking	34
Chevron Symbol	28
VAN Word Marking	1
RV PARKING Word Marking	2



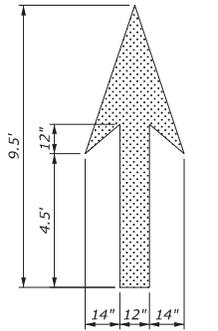
**PAVEMENT MARKINGS
SYMBOLS AND WORDS**

NO SCALE

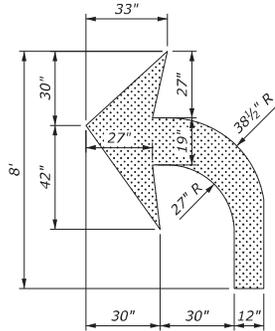
... \pavement markings symbols and words.dgn

16-Aug-2022 10:01 AM

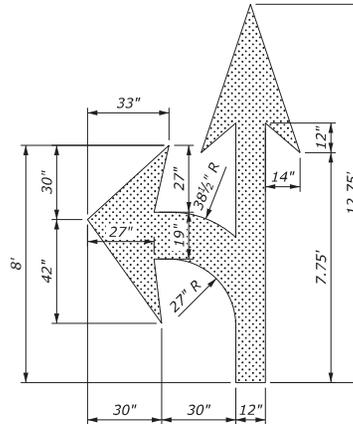
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.11
NPS PMIS NO.: 326427, 326375, 326379, 326392		



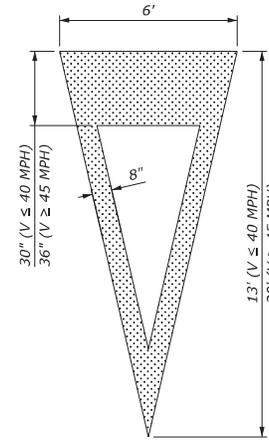
THROUGH LANE-USE ARROW



TURN LANE-USE ARROW



TURN AND THROUGH LANE-USE ARROW

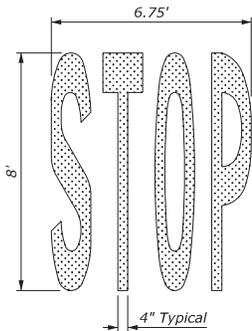


YIELD AHEAD TRIANGLE SYMBOL

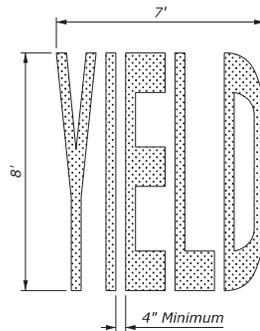
NOTE:

1. Place pavement word and symbol markings in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), current edition.
2. All letters, numerals and symbols shall conform with the "Standard Highway Signs", current edition.
3. The Accessibility Parking Space marking only includes the accessibility symbol unless a border is indicated in the Striping Plans.

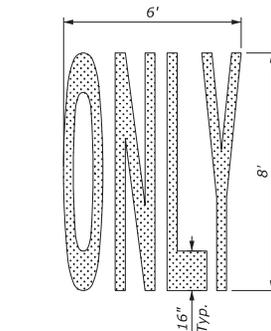
PAVEMENT MARKING AREAS	
TYPE	SQFT
Through Lane-Use Arrow	12
Turn Lane-Use Arrow	16
Turn and Through Lane-Use Arrow	26
Yield Ahead Triangle (V ≤ 40 MPH)	26
Yield Ahead Triangle (V ≥ 45 MPH)	37
Accessibility Marking (symbol only)	2
Accessibility Marking w/ border (White)	5
Accessibility Marking w/ border (Blue)	9
AHEAD Word Marking	30
ONLY Word Marking	21
SCHOOL Word Marking	33
STOP Word Marking	22
YIELD Word Marking	24



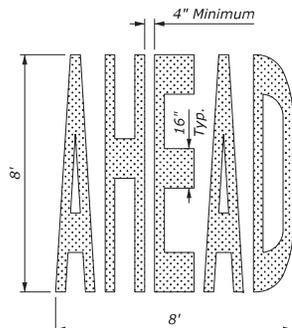
"STOP" WORD MARKING



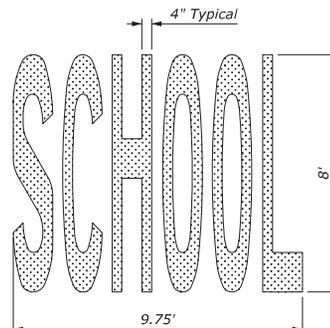
"YIELD" WORD MARKING



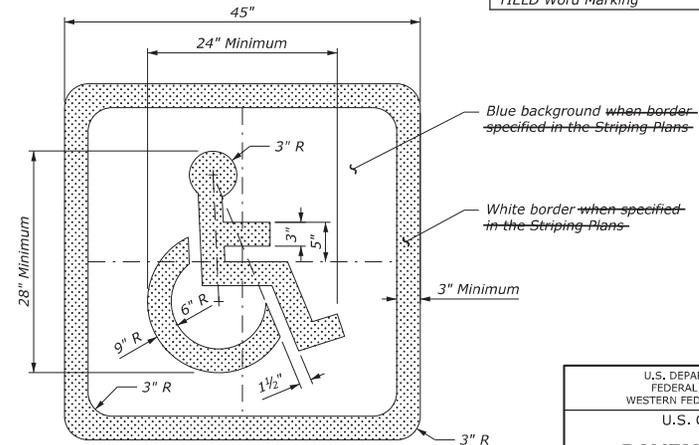
"ONLY" WORD MARKING



"AHEAD" WORD MARKING



"SCHOOL" WORD MARKING

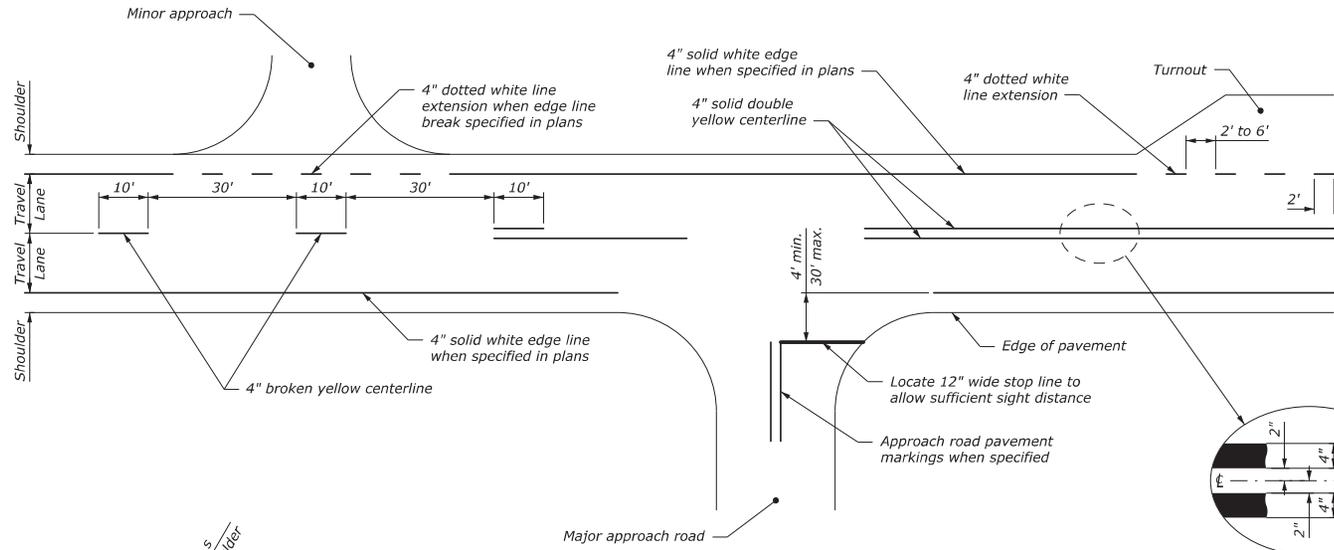


ACCESSIBILITY PARKING SPACE MARKING

NO SCALE

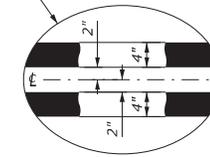
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
PAVEMENT MARKINGS SYMBOLS AND WORDS	
DETAIL APPROVED FOR USE 3/2003	DETAIL
REVISED: 11/2006 10/2007	W634-1

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.12
NPS PMIS NO.: 326427, 326375, 326379, 326392		



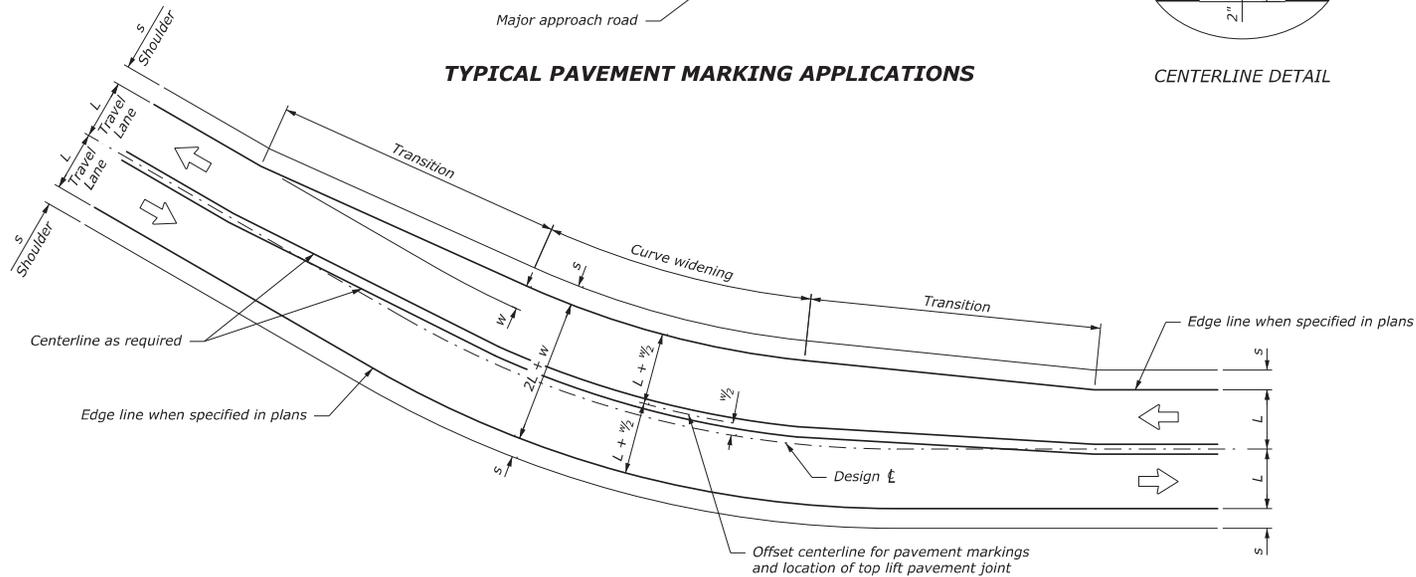
NOTE:

1. Place edge line pavement markings at asphalt/concrete curb interface when curb is present.
2. Paint centerline pavement markings on curves with curve widening "w" to achieve equal lane widths within the roadway. Maintain a constant shoulder width "s" throughout the curve widening area. See staking details for curve widening transition locations.
3. Typical pavement marking widths are shown. Use wider pavement markings when specified on the plans or when required by the maintaining agency.



TYPICAL PAVEMENT MARKING APPLICATIONS

CENTERLINE DETAIL



CENTERLINE MODIFICATION FOR CURVES WITH WIDENING APPLIED ON INSIDE

See Note 2 for treatment of curves when widening "w" is split equally on both sides of centerline

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
LINEAR PAVEMENT MARKINGS	
DETAIL APPROVED FOR USE 10/2007	DETAIL
REVISED: 10/2012	W634-2

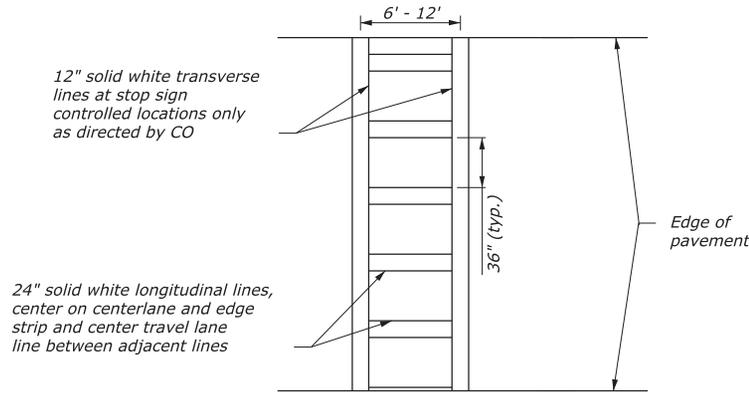
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.13

NOTE:

1. Provide striping in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) latest edition.
2. Provide letters, numerals, and symbols that conform with the "Standard Highway Signs", latest edition.
3. Match existing pavement marking configurations, symbols and words, or as directed by the CO.

FOOTNOTE:

- [1] Extend crosswalk across the full width of the roadway.



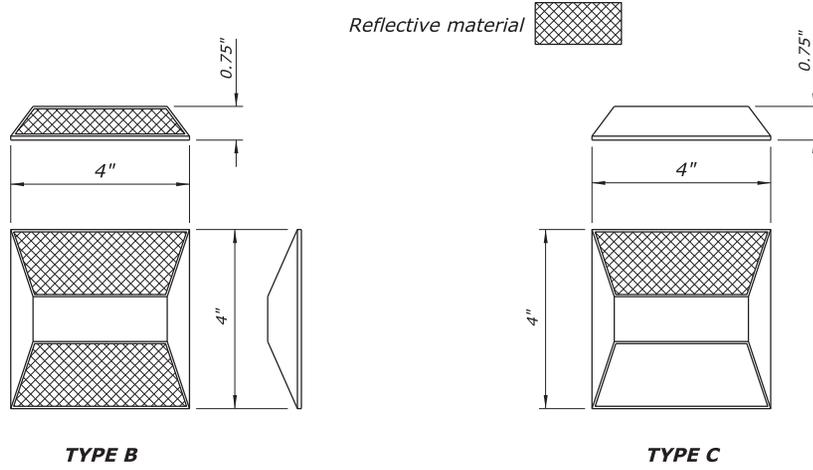
CROSSWALK STRIPING [1]



**PAVEMENT MARKINGS
MISCELLANEOUS ROADWAY
STRIPING**

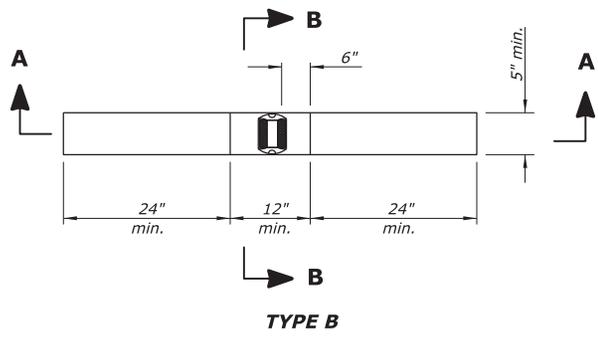
NO SCALE

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.14

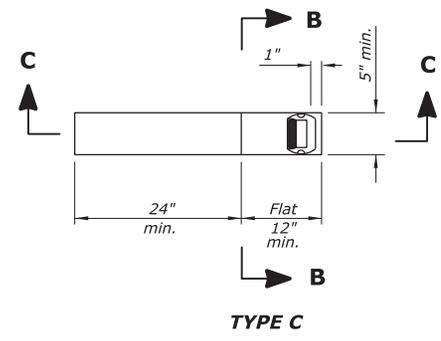


- NOTE:**
- Colors of the reflective markers to be either clear (white), yellow, red, or blue to match existing or as specified.
 - The shell of the marker to be of one color or a combination of colors the same as the reflector.
 - Type B marker to be a two-way yellow retroreflective pavement marker.
 - Type C marker to be a one-way clear retroreflective pavement marker with the clear side facing on coming traffic on the right edge line.
 - Recessed Pavement Markers consist of non-plowable, extended life, retroreflective, pavement markers installed in a recessed groove in the asphalt pavement.
 - Install pavement markers 1" to 4" clear from paint marking.

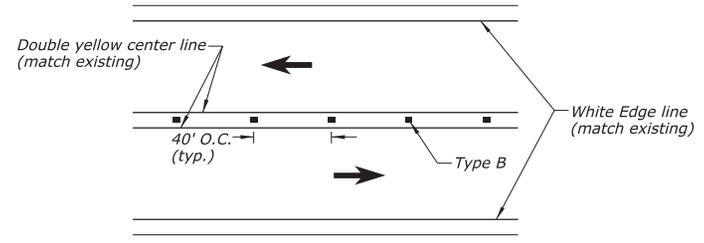
RECESSED PAVEMENT MARKERS



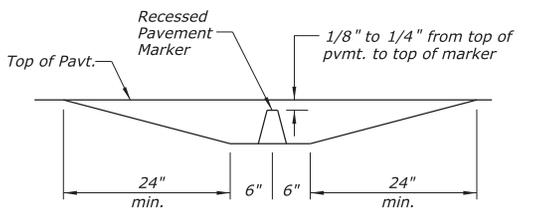
TYPE B



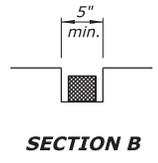
TYPE C



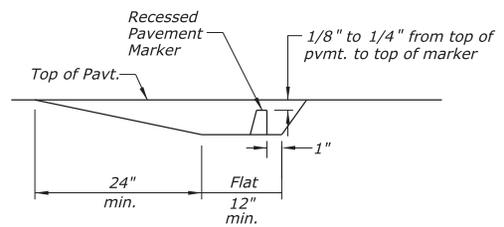
RECESSED PAVEMENT MARKERS



**SECTION A
BI-DIRECTIONAL RECESSED
PAVEMENT MARKER DETAILS**



SECTION B



**SECTION C
MONO-DIRECTIONAL RECESSED
PAVEMENT MARKER DETAILS**

RECESSING GROOVE DETAILS

NO SCALE



**PERMANENT RECESSED
PAVEMENT MARKER**

16-Aug-2022 10:07 AM ...I\Raised pavement markers.dgn