

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



PLANS PREPARED BY

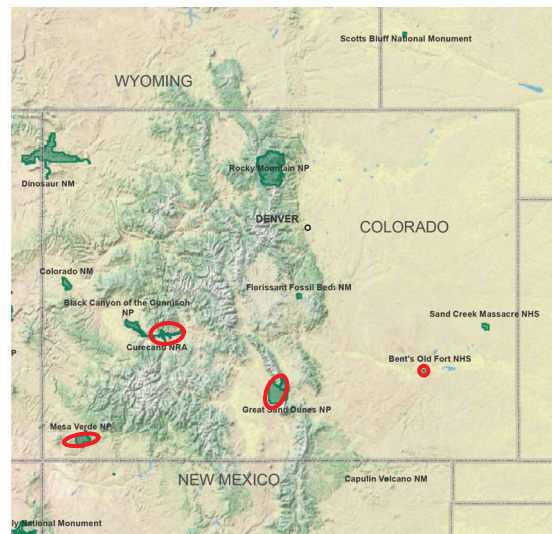
Jacobs

FOR

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

WESTERN FEDERAL LANDS HIGHWAY DIVISION
VANCOUVER, WASHINGTON

LENGTH BASE 37.3 MILES & PARKING AREAS



APPROVED:

BRENT L COE

Chief of Engineering
Western Federal Lands Highway Division

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

Janet Frederick for James West by letter **8-15-2022**

Superintendent,
Bent's Old Fort National Historic Site

Deanna Greco by letter **8-15-2022**

Superintendent,
Curecanti National Recreation Area

Pamela Rice by letter **8-22-2022**

Superintendent,
Great Sand Dunes National Park

Kayci Cook Collins by letter **8-15-2022**

Superintendent,
Mesa Verde National Park

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

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SUMMARY OF QUANTITIES

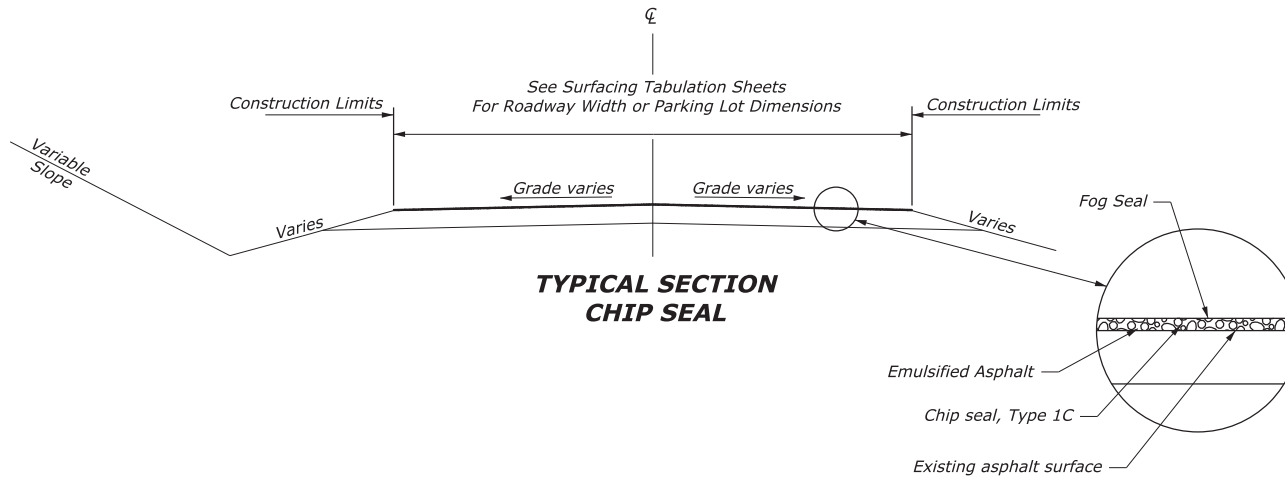
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	B.1
NPS PMIS NO.: 326427, 326392, 326375, 326379		

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

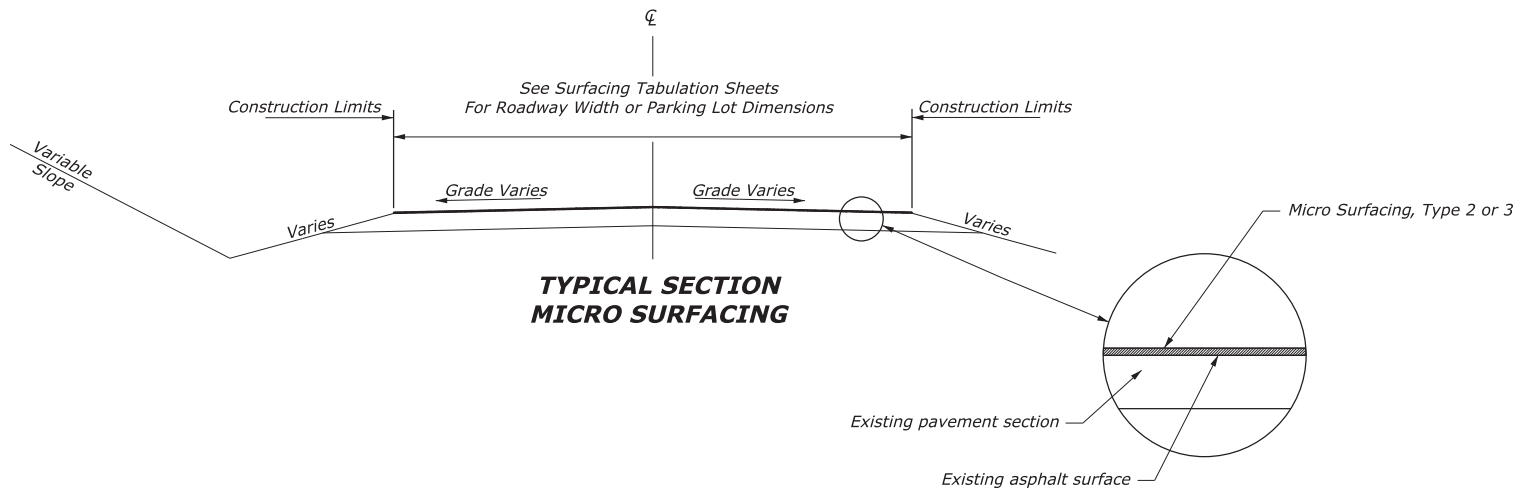


STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	C.1



NOTE:

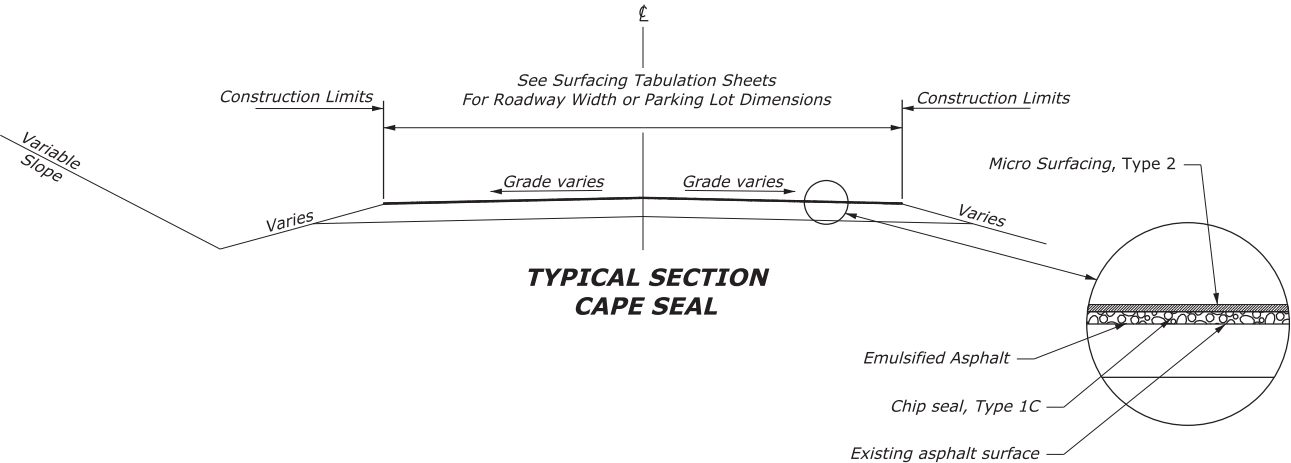
1. Refer to Surfacing Tabulation Sheet D.1-D.12 for width and extent of asphalt surface treatment.
2. Protect project timber curbs, asphalt curbs, stone curbs, concrete curb & gutter, concrete barriers, concrete and cobble stone islands, stone wall, manholes, snow pole sleeves, water valves, and all 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

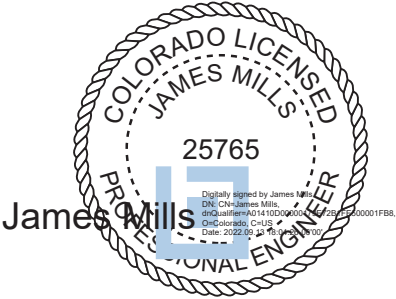
NO SCALE

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



TYPICAL SECTION
CAPE SEAL

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.

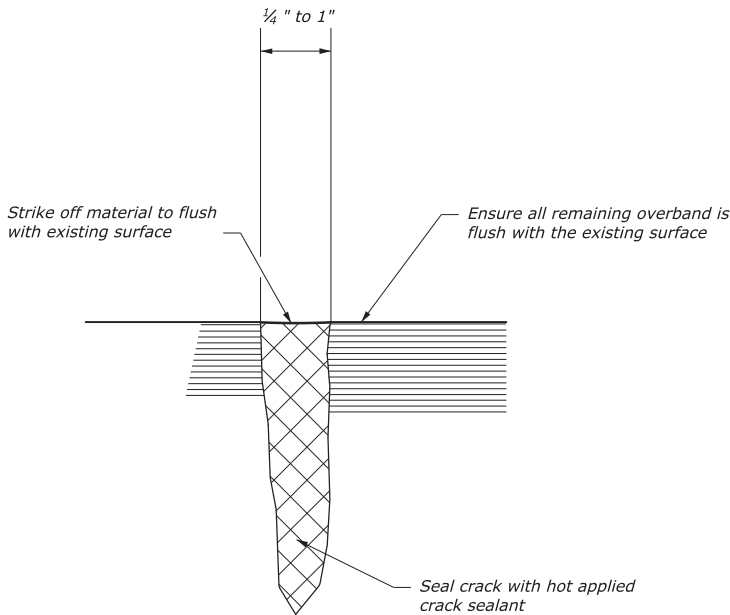


TYPICAL SECTIONS

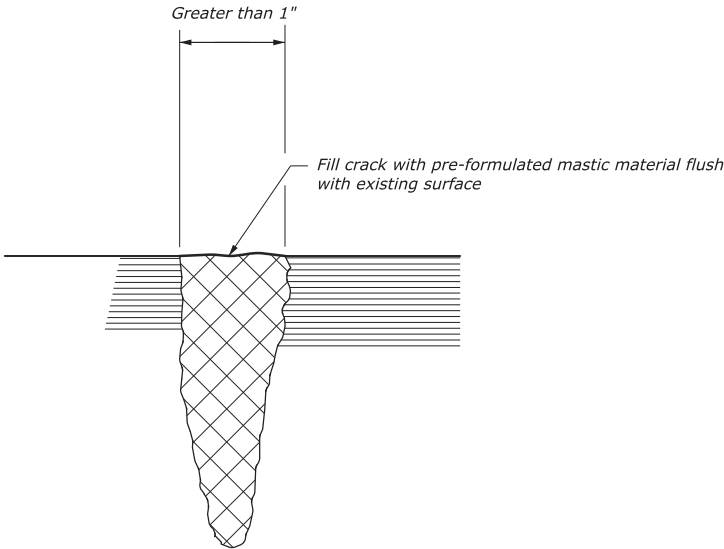
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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	C.3

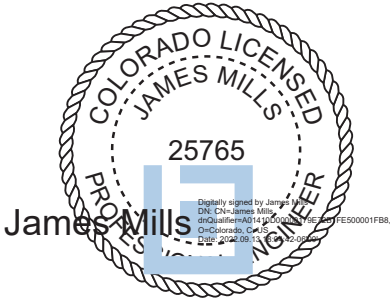
- NOTE:**
1. Seal and fill cracks at locations designated by the CO.
 2. Parking area crack sealing converted to units of miles (22' width).



CRACK SEALING



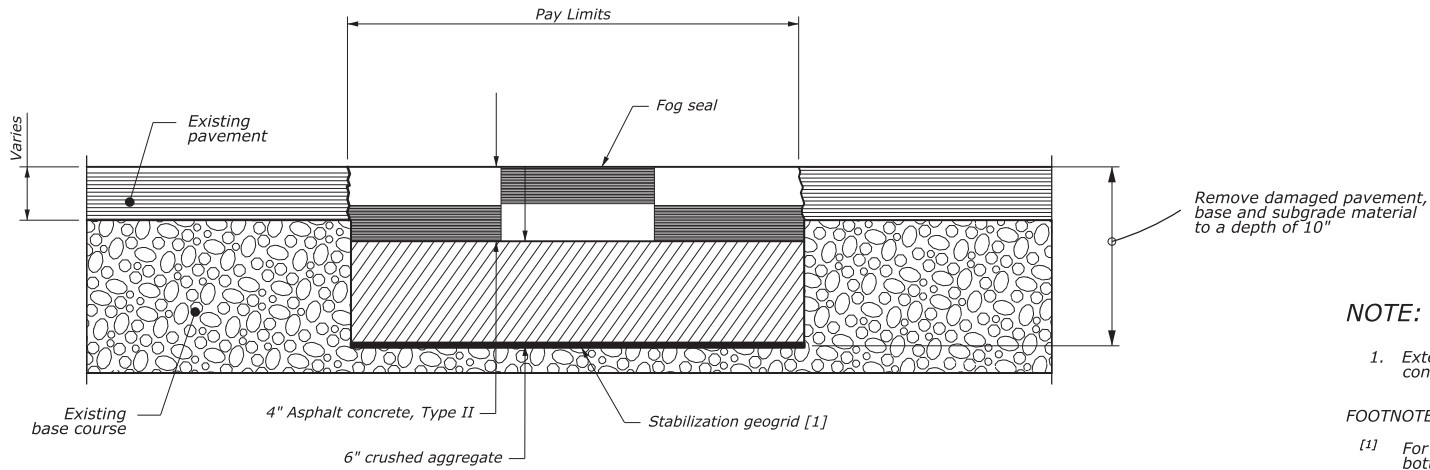
CRACK FILLING



CRACK SEALING AND FILLING

**ASPHALT PAVEMENT
CRACK SEALING AND FILLING**

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



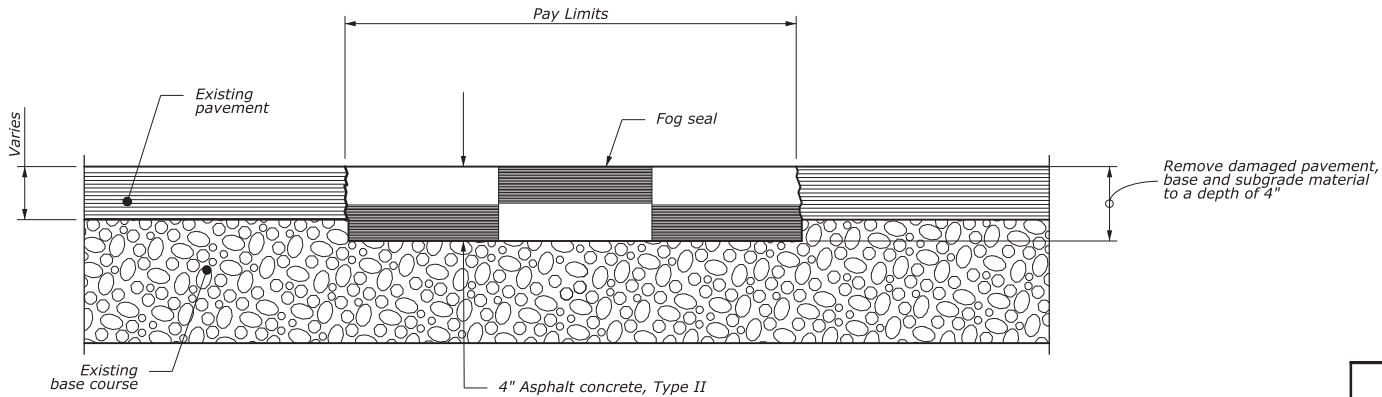
NOTE:

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 1



FULL DEPTH PATCH TYPE 2



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

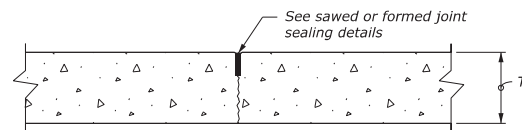
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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	C.5

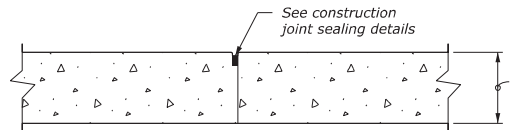
NPS PMIS NO.: 326379

NOTE:

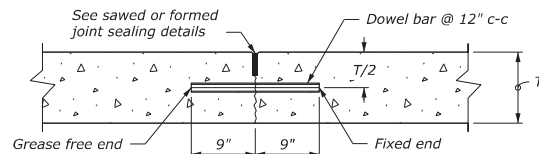
1. Use epoxy-coated material for all tie bars, dowels, and other steel used in the construction of concrete pavement.
2. Deformed reinforcing bars or hook bolts may be used for tie bars.
3. Do not place tie bars within 15 inches of transverse joints.
4. Install isolation joints when abutting a fixed 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.



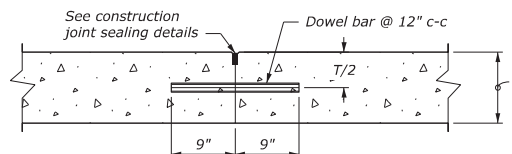
CONTRACTION JOINT
UNDOWELED - TRANSVERSE and
UNTIED - LONGITUDINAL



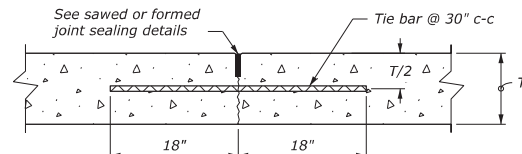
CONSTRUCTION JOINT
PLAIN - TRANSVERSE or LONGITUDINAL



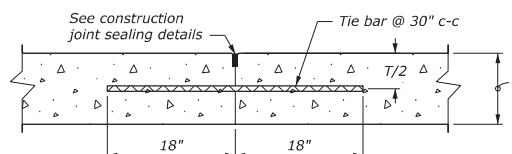
CONTRACTION JOINT
DOWELED - TRANSVERSE



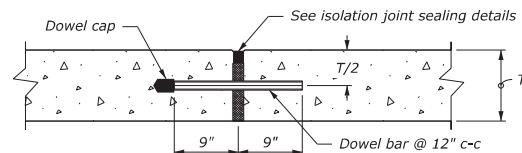
CONSTRUCTION JOINT
DOWEL BUTT - TRANSVERSE



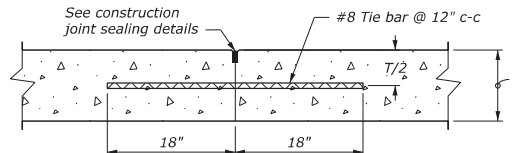
CONTRACTION JOINT
TIED - LONGITUDINAL



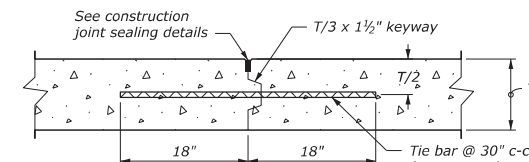
CONSTRUCTION JOINT
TIED BUTT - LONGITUDINAL



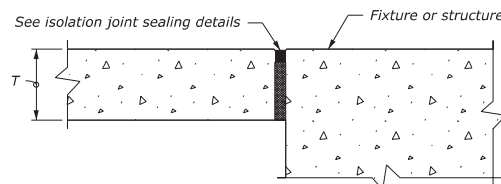
ISOLATION/EXPANSION JOINT
DOWELED - TRANSVERSE



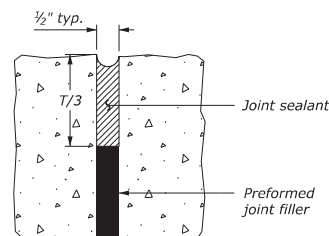
CONSTRUCTION JOINT
TIED BUTT - TRANSVERSE



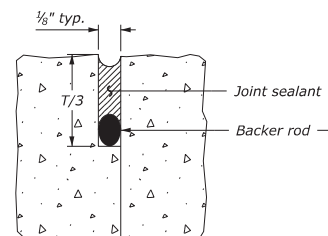
CONSTRUCTION JOINT
KEYWAY - LONGITUDINAL



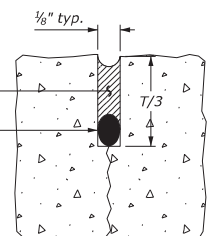
ISOLATION JOINT
UNDOWELED - LONGITUDINAL



ISOLATION JOINT



CONSTRUCTION JOINT



SAWED OR FORMED JOINT

MINOR CONCRETE PAVEMENT JOINT SEALING DETAILS

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

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

NO SCALE

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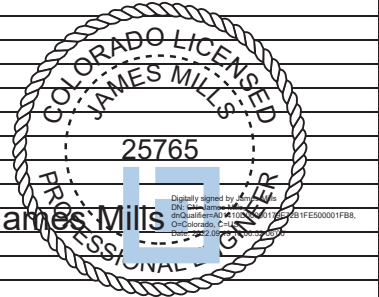
SURFACING TABULATION SHEET															STATE	PROJECT	SHEET NUMBER
															CO	NP MULTI PMS(1)	D.2
BID ITEM NUMBER						40601-0000	40702-0300	40711-0000	40901-2000	41401-3000	41402-2000	41801-1000	41801-2000	50202-0000	<div>Remarks</div> <div></div>		
ROUTE NUMBER	ROUTE NAME	FMSS No.	MILE TO MILE	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			
				FT	FT												
			MILES	SQFT	TON											SQYD	TON
0010	Elk Creek Entrance Road	79442	0.00	0.58	3,062	20.8	4.6	7,077	12.7			0.58		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			
Parking Areas																	
0903	Visitor Center Parking	90856				75,229				8,359		0.65		40			
0904	Marina Parking	75233				101,514				11,279		0.87		432	Remove and reset wheelstops		
0906	Elk Creek Picnic Area Parking	90858				18,514				2,057				114			
0907	RV Sewer Dump Station	90859				8,438				938				53			
0908	Wash Station	90860				1,138				126					Do not treat concrete pads		
SHEET TOTAL							18.5	28,422	51.0	64,238		3.74		2,358			
Material Application Rates and Weights Used for Estimating Purposes															TABULATION OF SURFACING QUANTITIES		
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)												
															CURECANTI NATIONAL RECREATION AREA		

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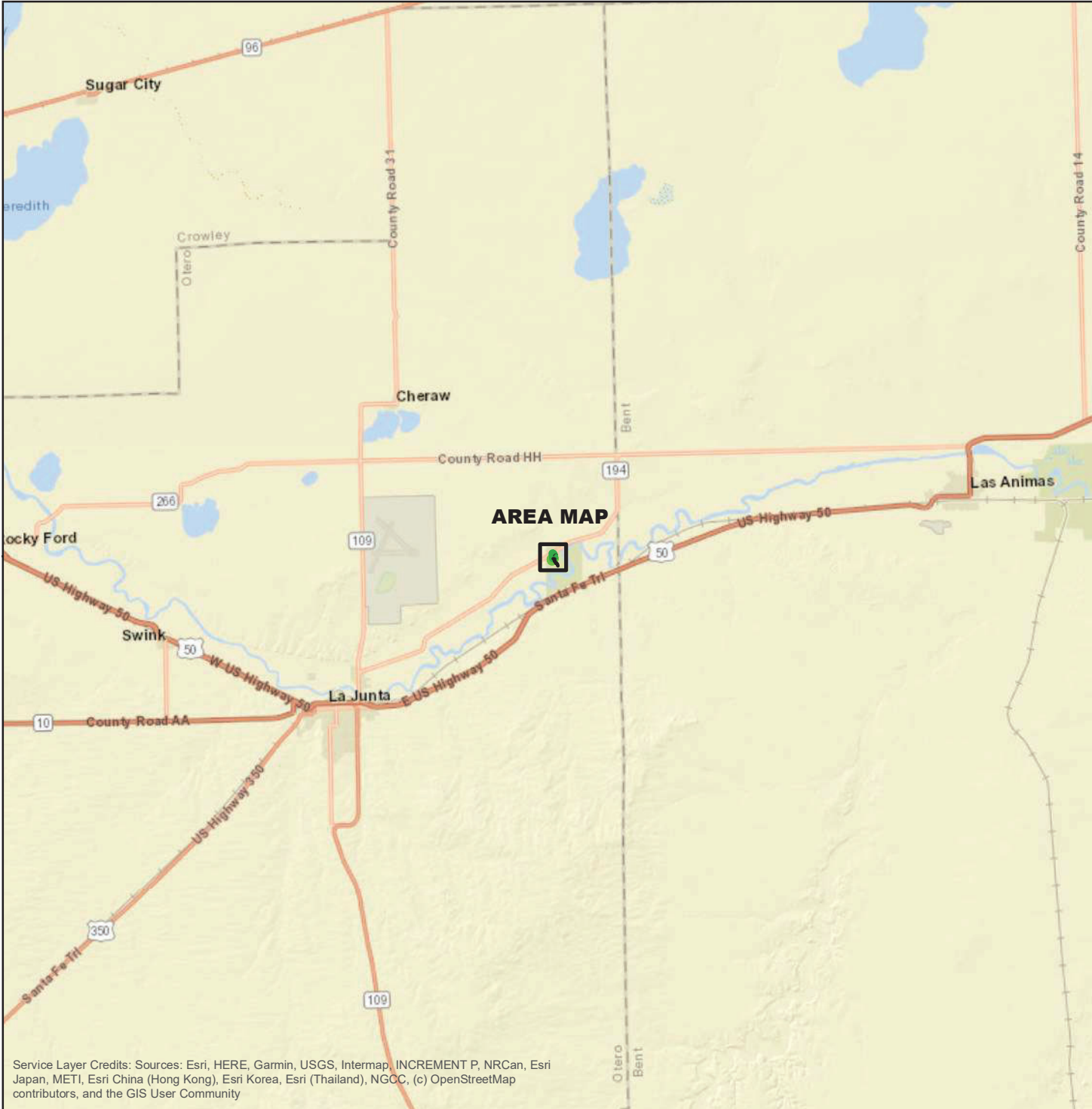
SURFACING TABULATION SHEET															STATE	PROJECT	SHEET NUMBER		
															CO	NP MULTI PMS(1)	D.4		
BID ITEM NUMBER							40601-0000	40702-0300	40711-0000	40901-2000	41401-3000	41402-2000	41801-1000	41801-2000	50202-0000	Remarks			
ROUTE NUMBER	ROUTE NAME	FMSS No.	MILE TO MILE	LENGTH	WIDTH	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					
				FT	FT														
			MILES	SQFT	TON										SQYD		TON	SQYD	LNFT
0010	Park Entrance Road	74265	0.00	4.31	22,757	24.8	40.4	62,708	112.4			1.00		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															TABULATION OF SURFACING QUANTITIES				
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)															
															GREAT SAND DUNES NATIONAL PARK				



SURFACING TABULATION SHEET															STATE	PROJECT	SHEET NUMBER
															CO	NP MULTI PMS(1)	D.6
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		
					FT	FT											
			MILES		SQFT	TON											SQYD
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			
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																	



8/16/2022 \\usgts01\01\001_Vobs_Transportation\WXXZ7313_22F000030_CO_Pave Pres800_FHWA\22F000030001-CADD\Sheets\BIBOL_KEY MAP.mxd





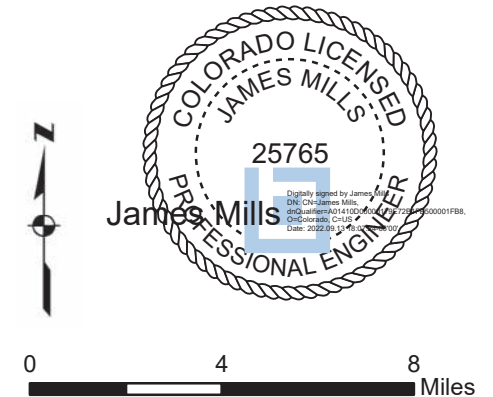
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.8

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

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.

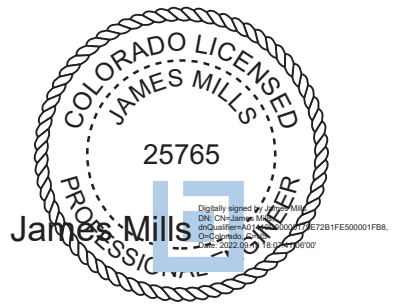
LEGEND:



*Cape Seal (Micro Surfacing
Type 2 over a Chip Seal)*



*No Work Unless Noted
Otherwise*

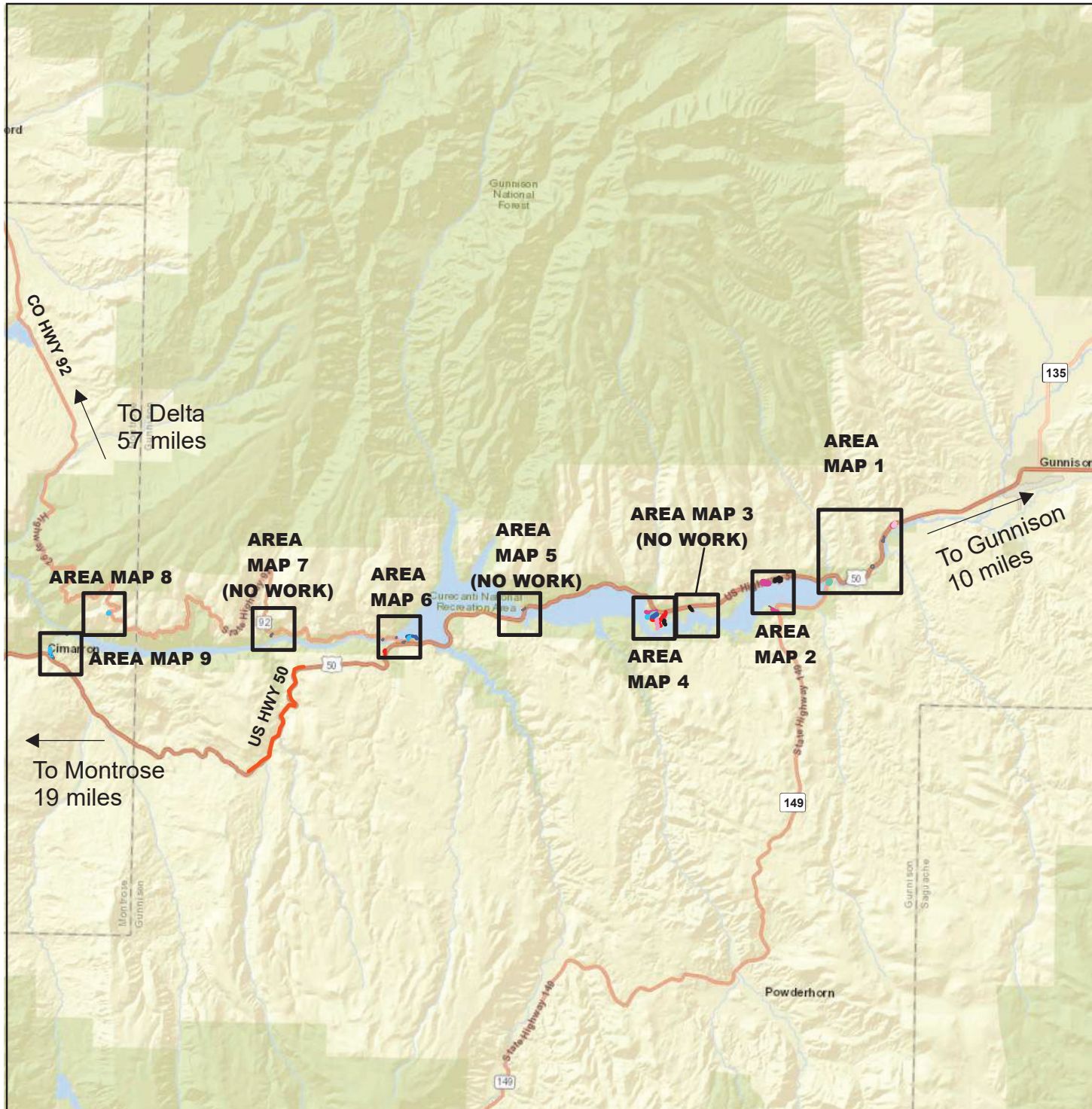


A horizontal scale bar with a black background and white markings. The bar is divided into two equal segments by a white vertical line. Above the bar, the numbers 0, 500, and 1,000 are printed in black. The word "Feet" is printed in black at the right end of the bar.

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

8/16/2022 \\usqts01\0bs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DICURE KEY MAP.mxd



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.

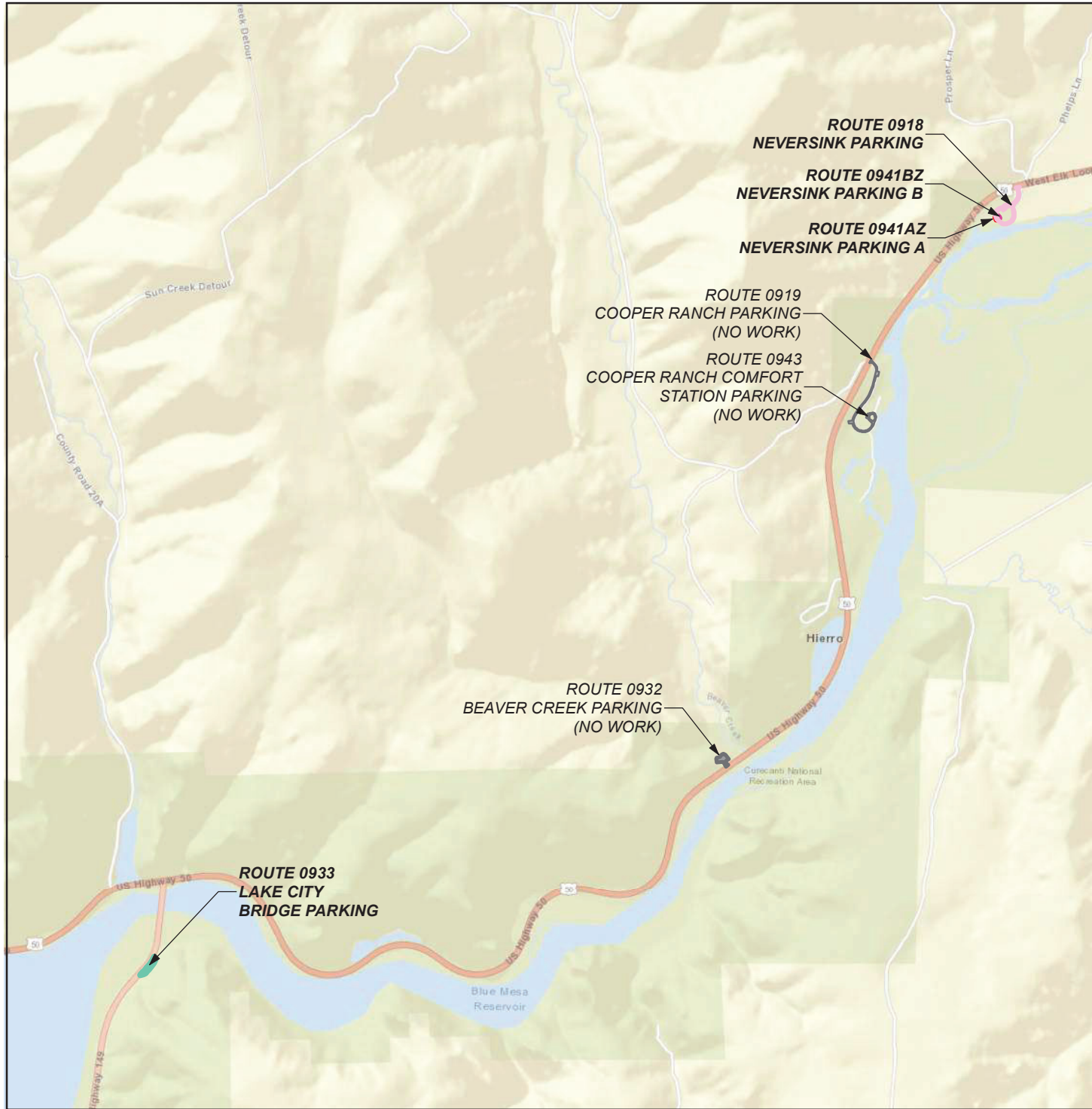
LEGEND:

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



**CURECANTI
NATIONAL RECREATION AREA
KEY MAP**

8/16/2022 \\usqts01\Jobs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\001-CADD\Sheets\DICURE AREA MAPS.mxd



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

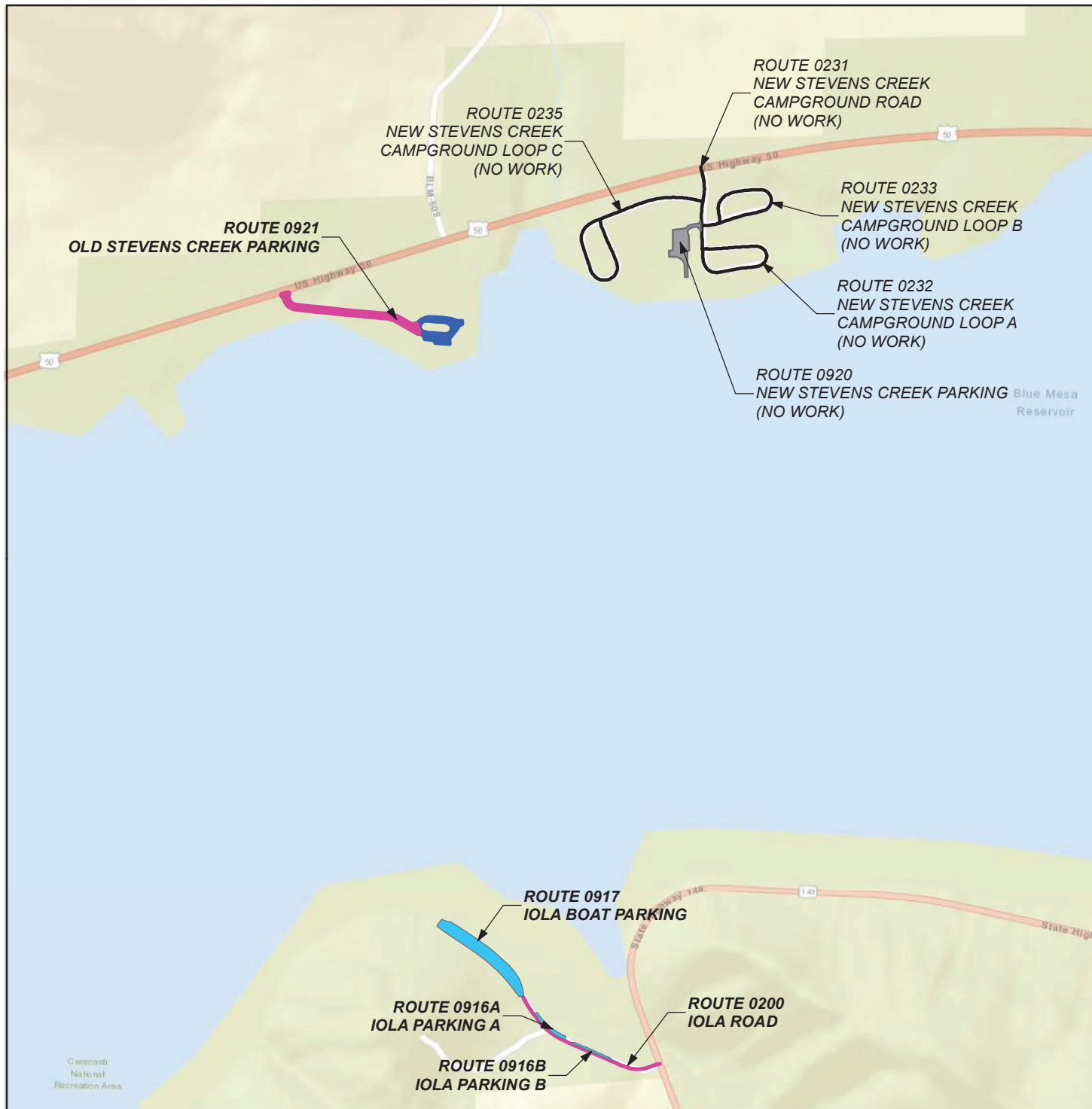


0 2,000 4,000 Feet



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 1**

8/16/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DICURE AREA MAPS.mxd



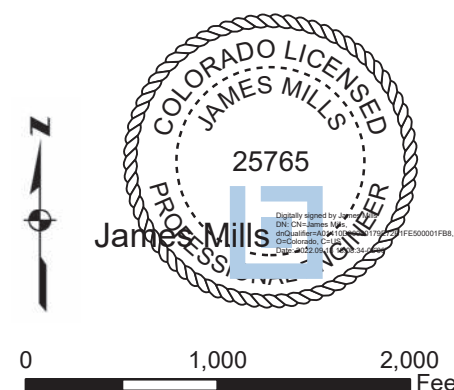
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.12

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**

8/16/2022 \\usqts00vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\001-CADD\Sheets\DICURE AREA MAP3.mxd





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



0 1,000 2,000 Feet



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 3**




8/17/2022 \\usqts00vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22F000030_CO_Pave Pres800_FHWA\22F000030\01-CADD\Sheets\DICURE AREA MAP_4.mxd

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

NOTE:

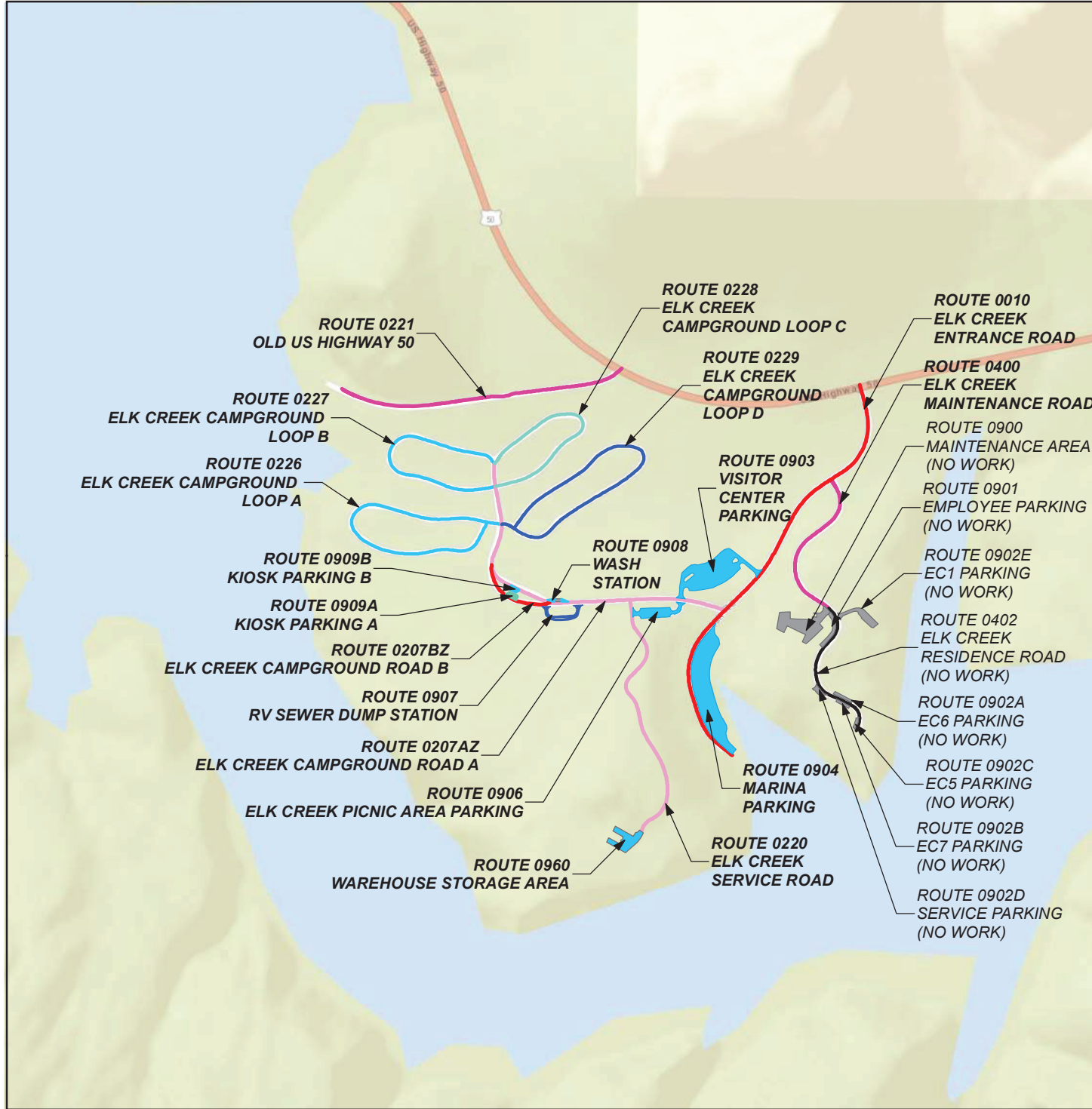
1. See Road Inventory Program (RIP) data for Curecanti National Recreation Area Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.
3. Various small staging locations in the Elk Creek area as directed by the CO.

LEGEND:

	Chip Seal
	Micro Surfacing Type 2
	No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 4**



8/16/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DICURE AREA MAP5.mxd




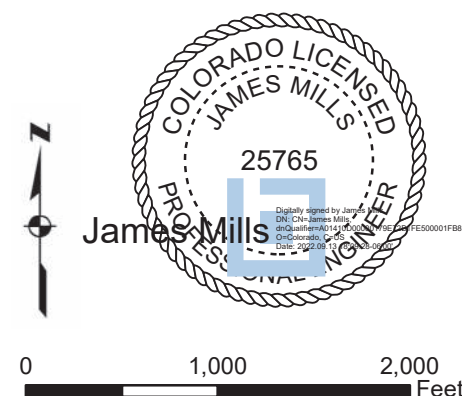
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.15

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 to differentiate routes and surface treatment.

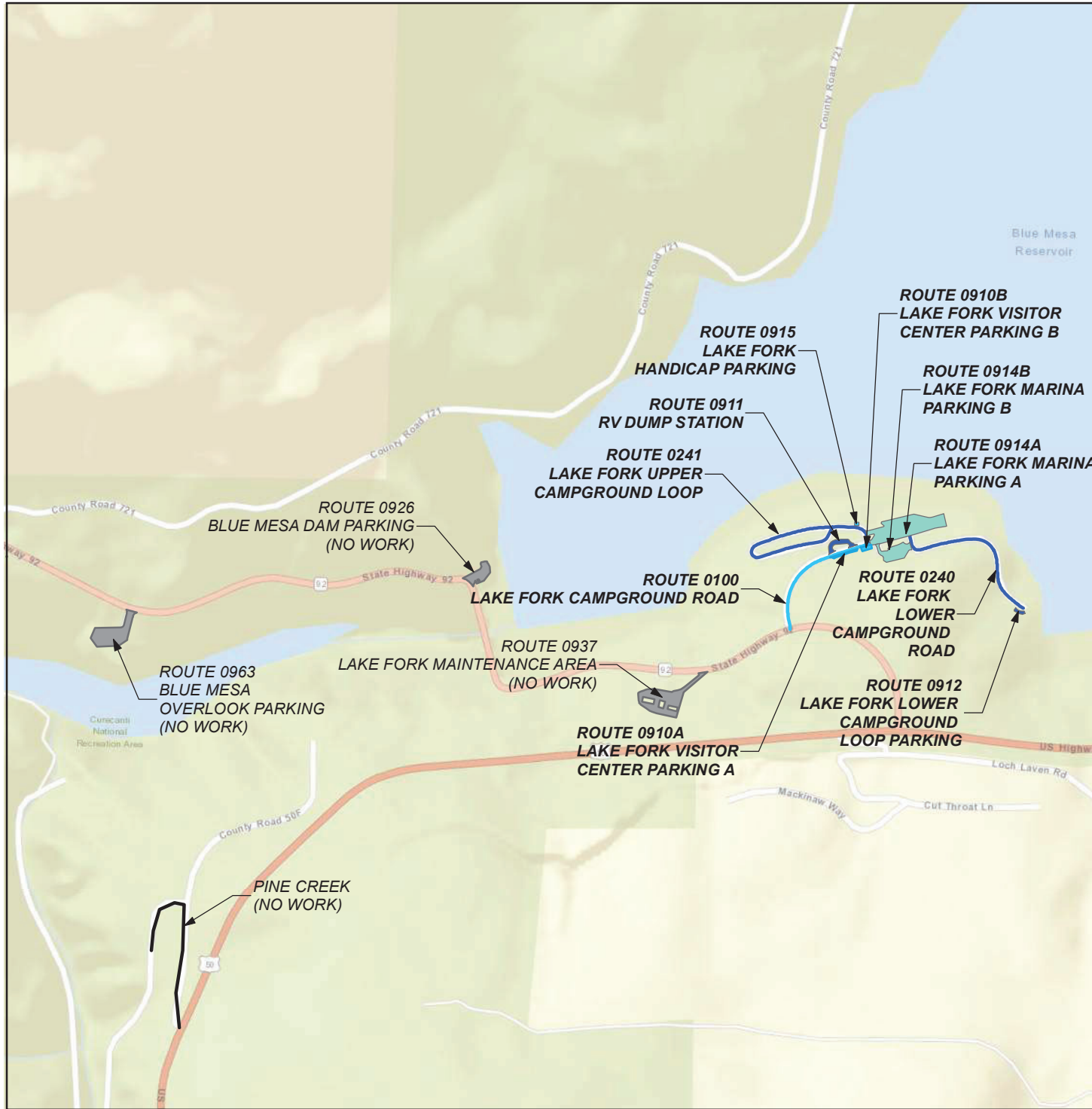
LEGEND:

  No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 5**

8/17/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22\F000030_CO_Pave Pres\800_FHWA\22\F000030\01-CADD\Sheets\DICURE AREA MAPS.mxd



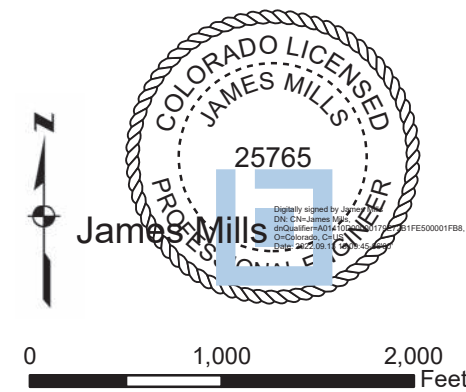
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.16

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**

8/16/2022 \\usqts00vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DICURE AREA MAP7.mxd



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



0 1,000 2,000 Feet



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 7**

8/24/2022 \\usqts00vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DICURE AREA MAP8.mxd



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.

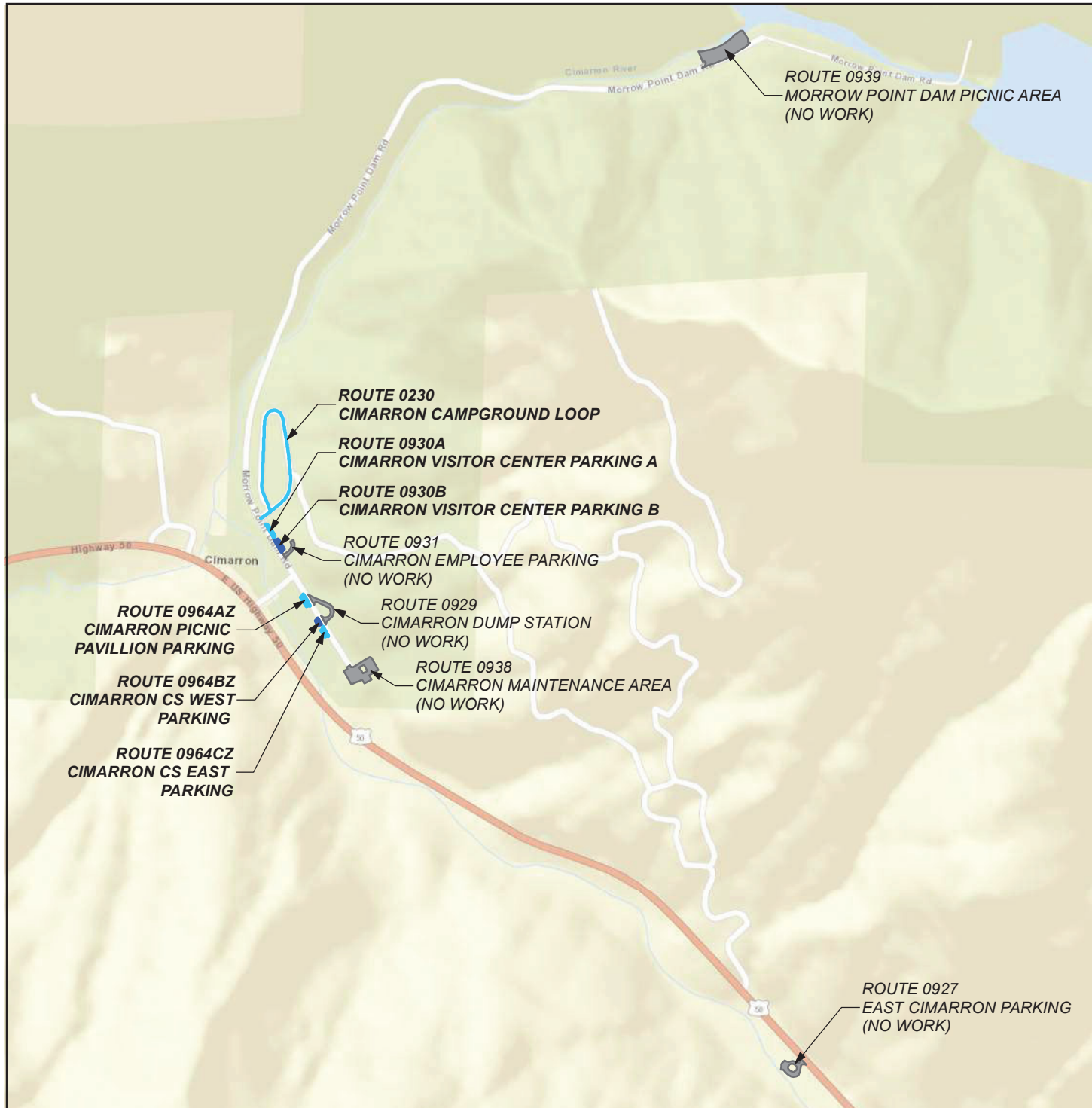
LEGEND:

- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 8**

8/16/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres800_FHWA\22F000030\01-CADD\Sheets\DICURE AREA MAP9.mxd



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:

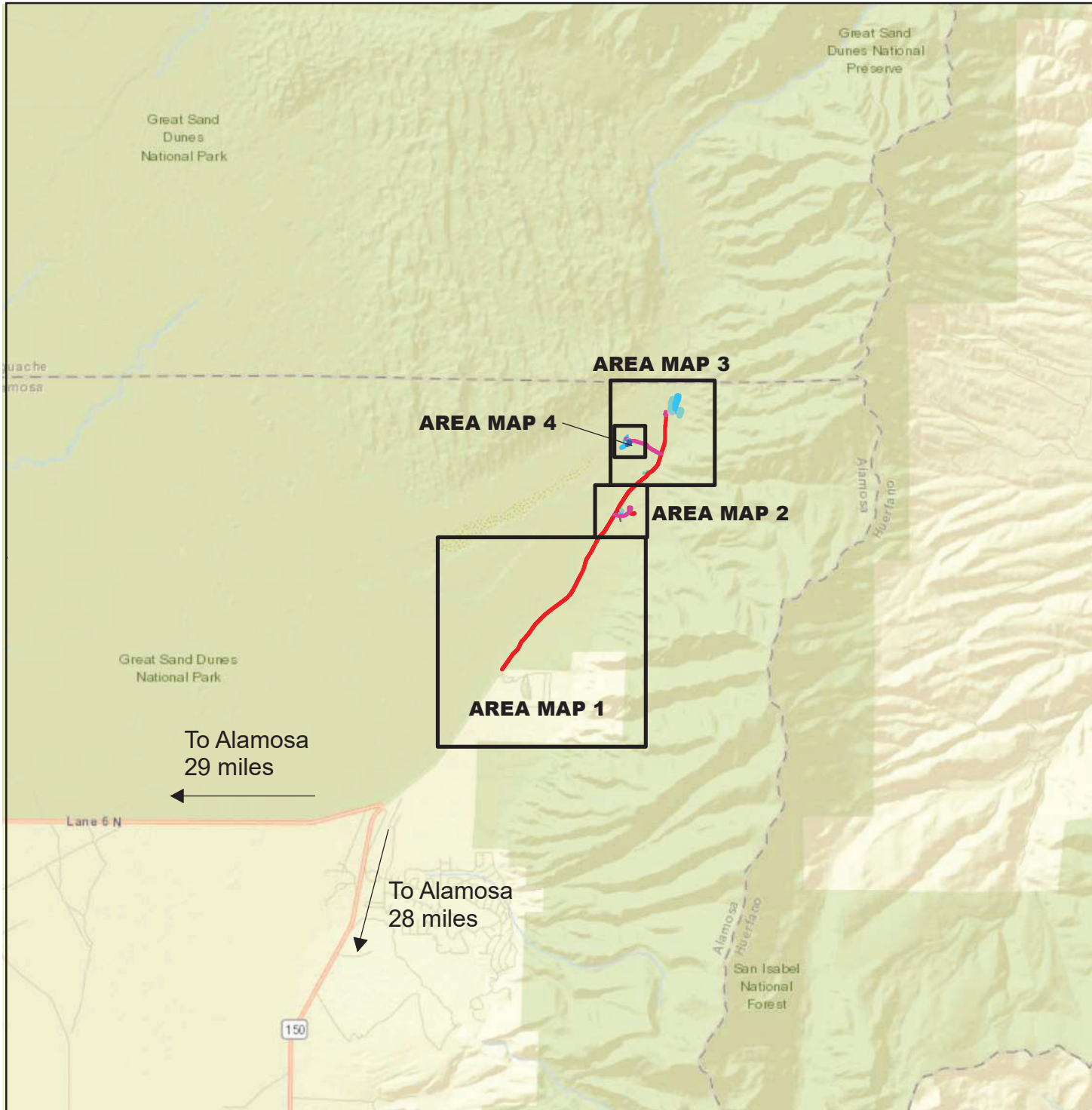
- Micro Surfacing Type 2
- No Work Unless Noted Otherwise



0 1,000 2,000 Feet



**CURECANTI
NATIONAL RECREATION AREA
AREA MAP 9**



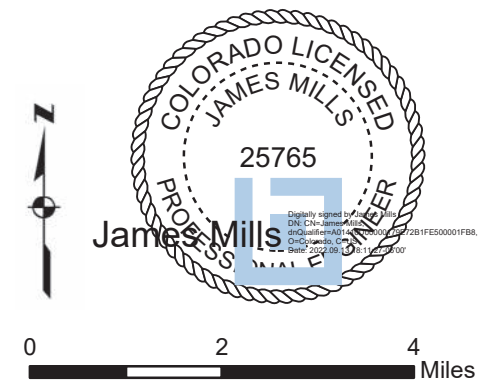
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.20

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.

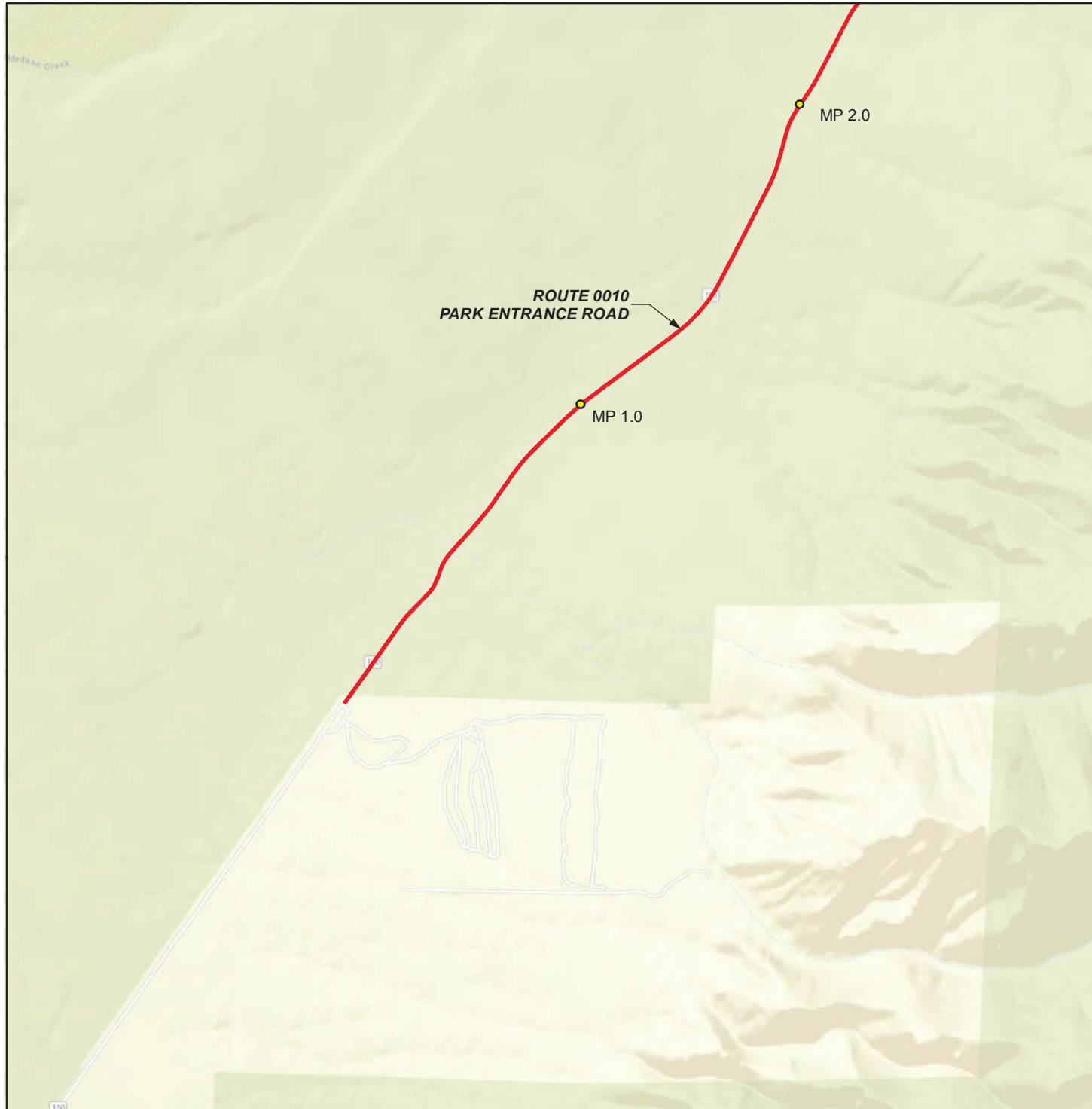
LEGEND:

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



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

8/16/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DIGRSA AREA MAPS.mxd











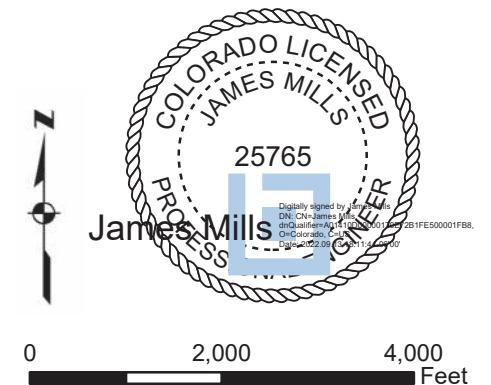
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.21

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**









8/16/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7313_22F000030_CO_Pave Pres800_FHWA\22F000030\01-CADD\Sheets\DIGRSA AREA MAPS.mxd

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

NOTE:

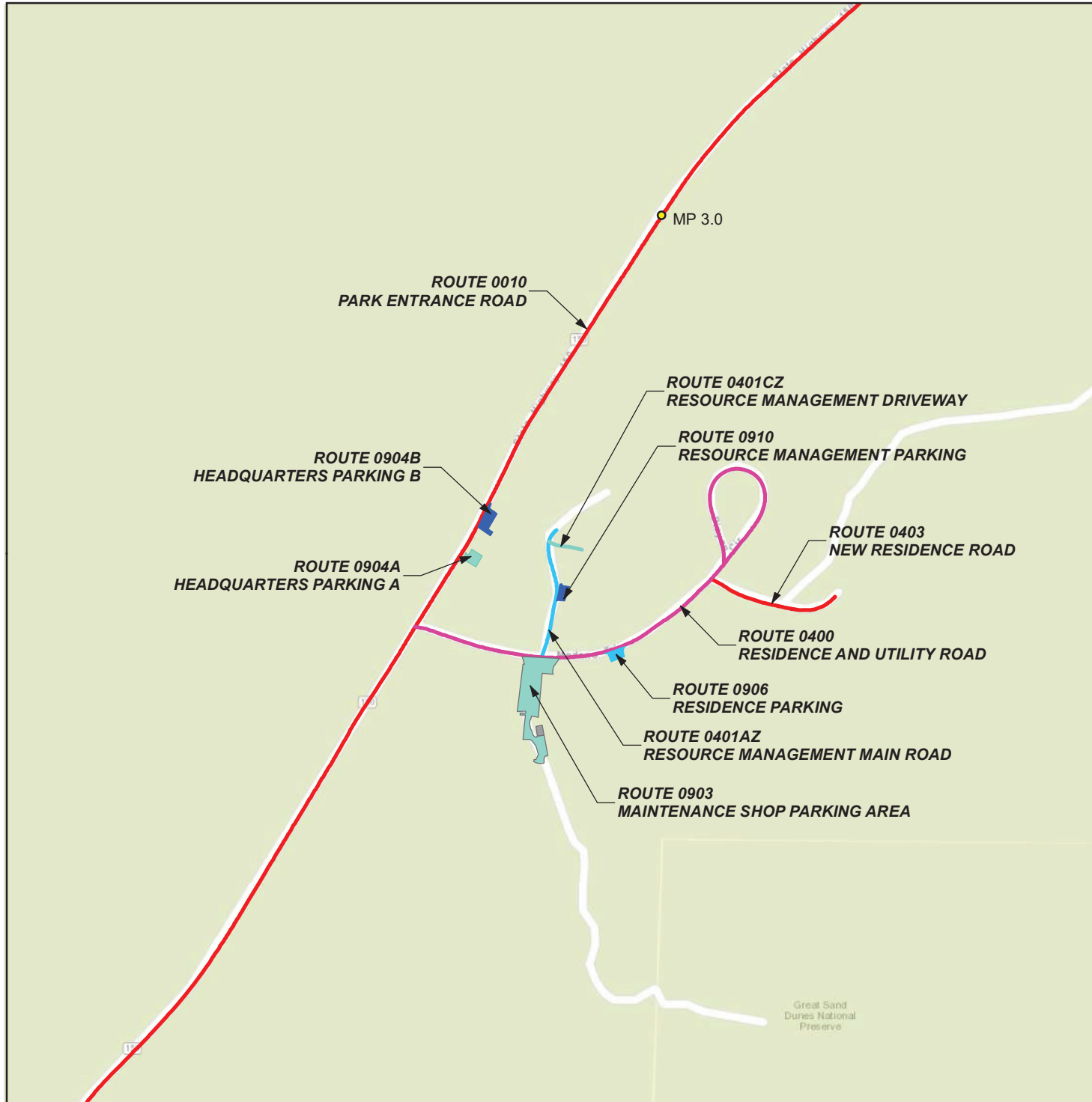
1. See Road Inventory Program (RIP) data for Great Sand Dunes National Park and Preserve Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

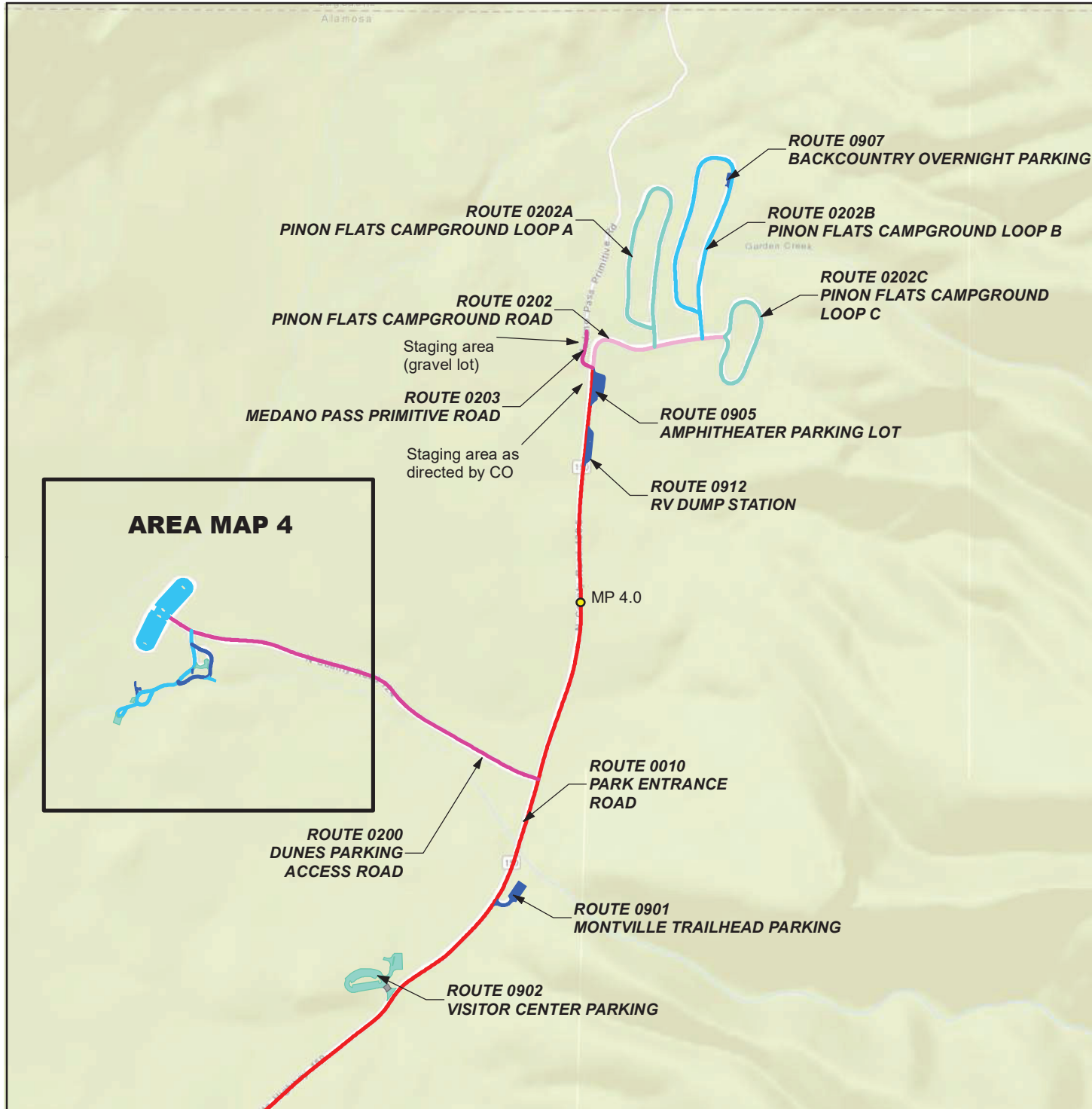
			Chip Seal
			Micro Surfacing Type 2
			No Work Unless Noted Otherwise



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



8/19/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres800_FHWA\22F000030\01-CADD\Sheets\DIGRSA AREA MAPS.mxd











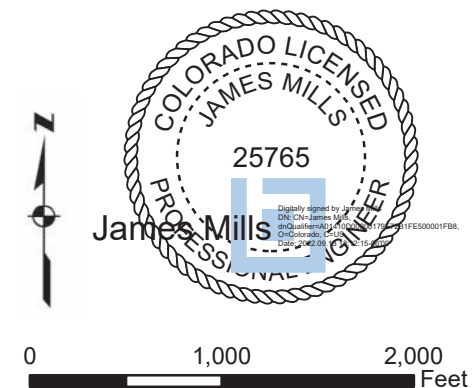
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.23

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.

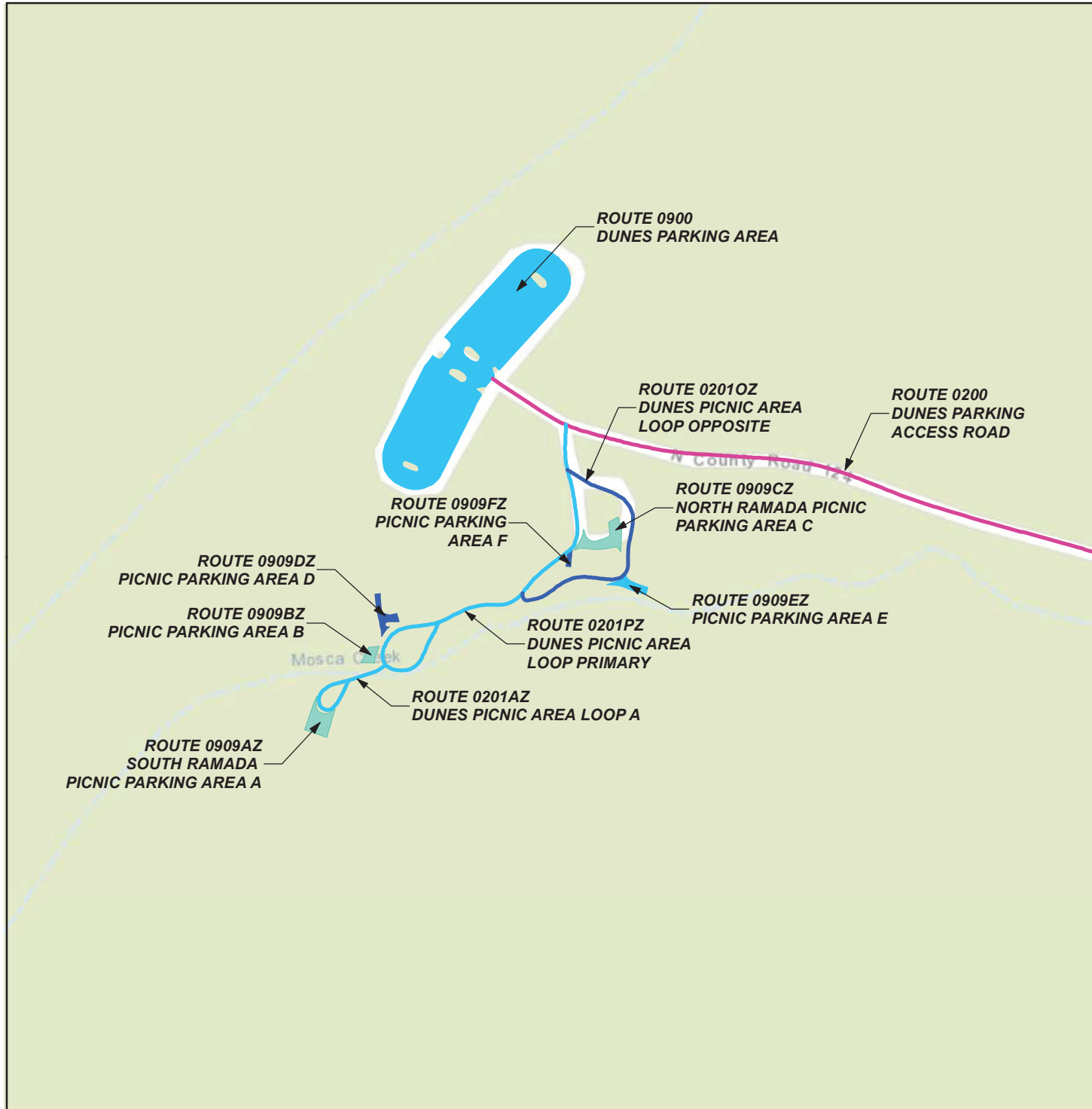
LEGEND:

			Chip Seal
			Micro Surfacing Type 2
			No Work Unless Noted Otherwise



**GREAT SAND DUNES
NATIONAL PARK AND PRESERVE
AREA MAP 3**

8/16/2022 \\usqts0vs01Vobs\Transportation\WXXZ7313_22F000030_CO_Pave Pres800_FHWA\22F000030\01-CADD\Sheets\DIGRSA AREA MAP 4.mxd



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.

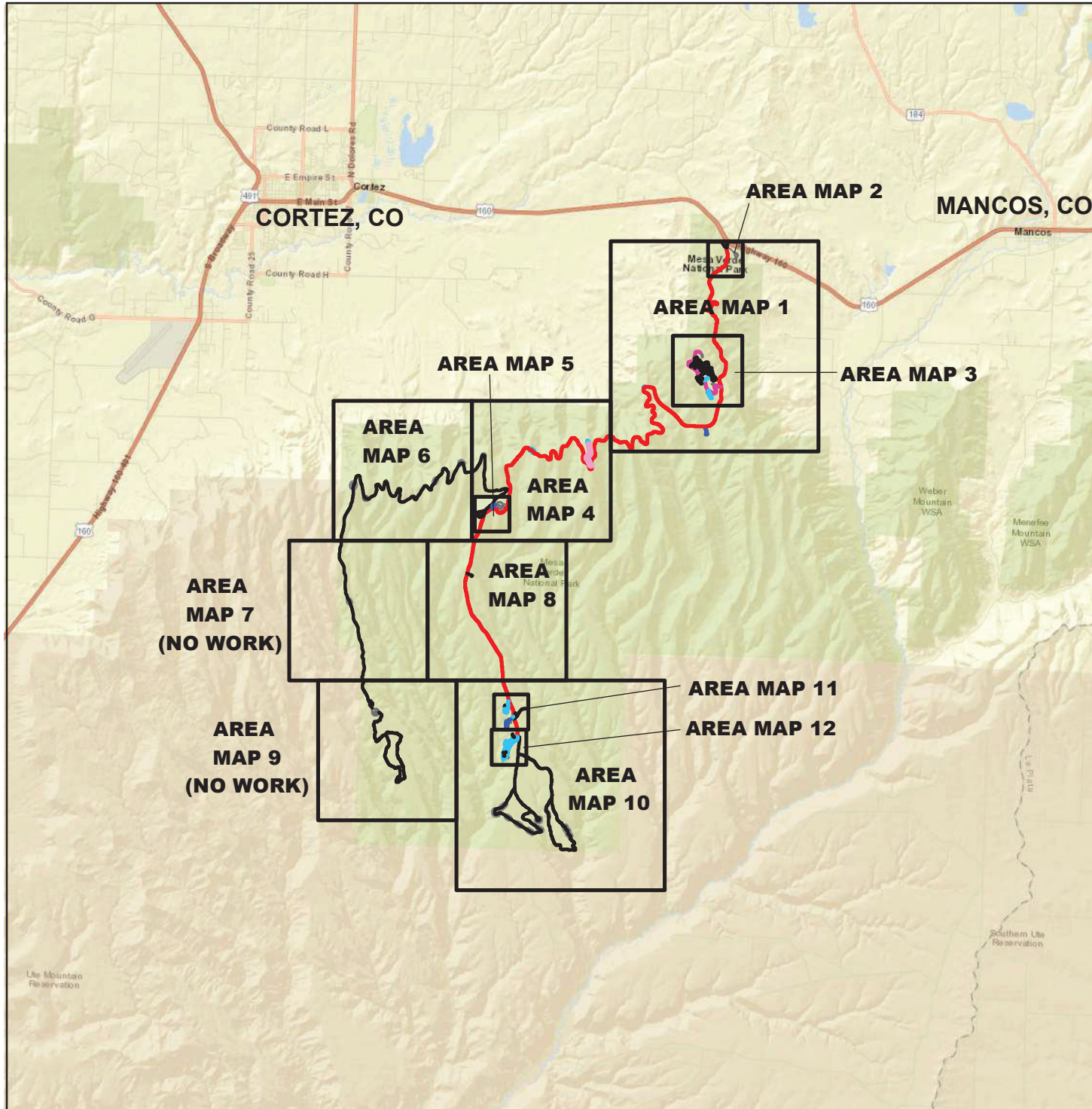
LEGEND:

	Chip Seal
	Micro Surfacing Type 2
	No Work Unless Noted Otherwise



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

8/19/2022 \\usqts01\Jobs\Transportation\WXXZ7300_WFL_DIQ_2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DIMEVE 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

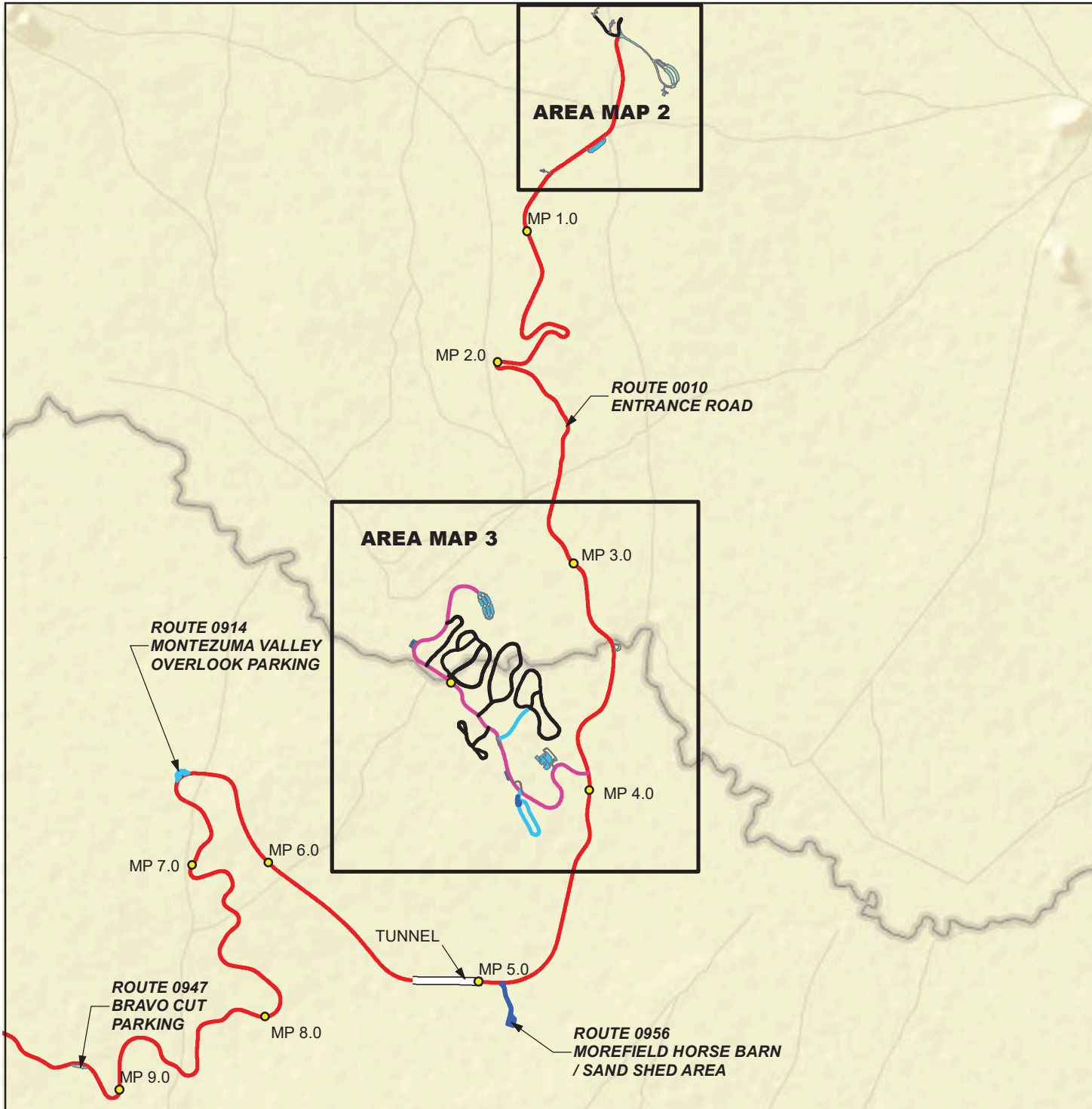


0 3 6 Miles



**MESA VERDE
NATIONAL PARK
KEY MAP**

8/16/2022 \\lusqts0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DWG\VE 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 to differentiate routes and surface treatment.

LEGEND:

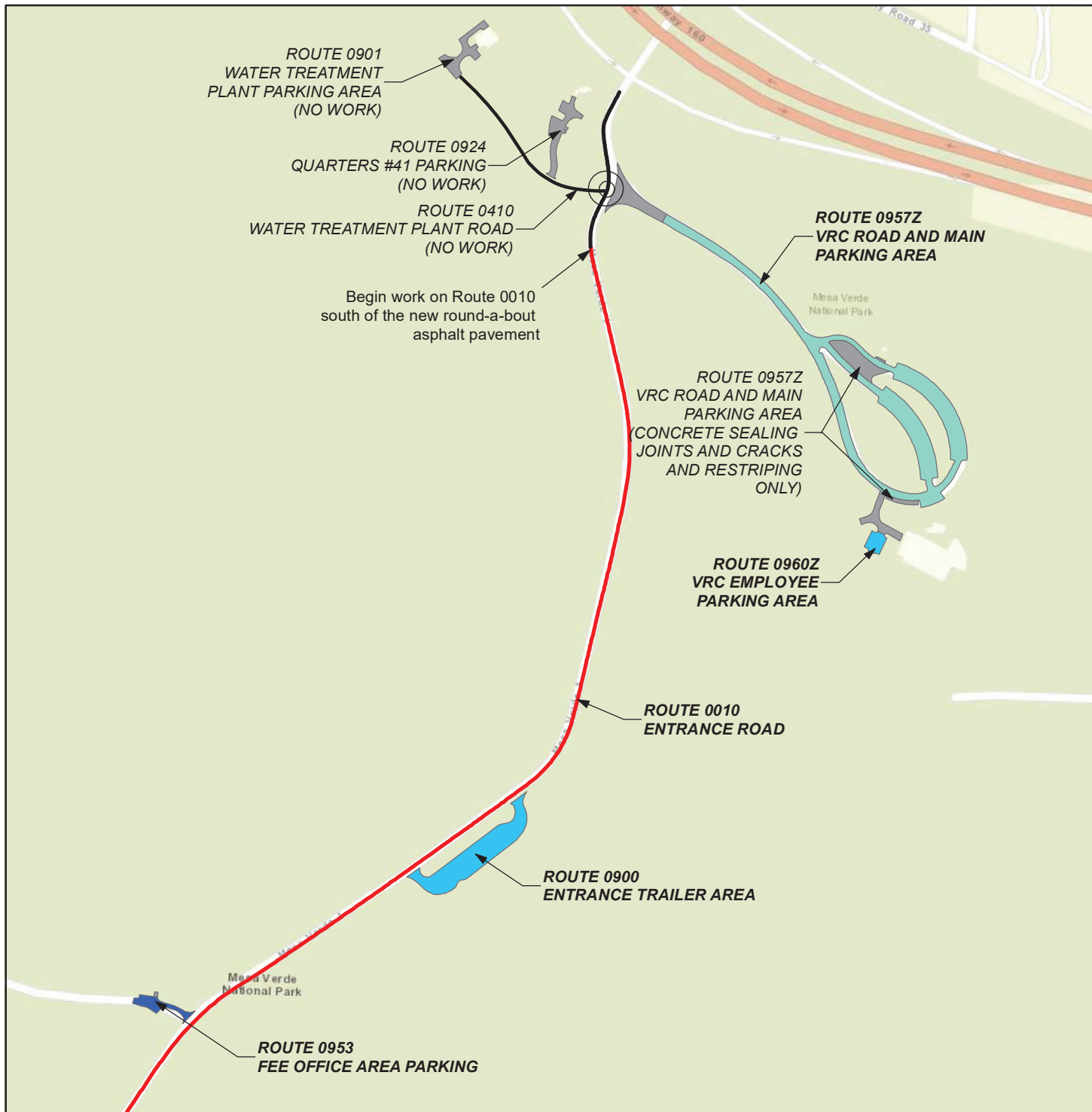
			Chip Seal
			Micro Surfacing Type 2
			No Work Unless Noted Otherwise

0 3,000 6,000 Feet

James Mills
PROFESSIONAL ENGINEER
25765
COLORADO LICENSED

**MESA VERDE
NATIONAL PARK
AREA MAP 1**

8/19/2022 \\usqts01\Jobs\Transportation\WXXZ7300_WFL\DIQ_2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DIWEVE AREA MAP 2.mxd



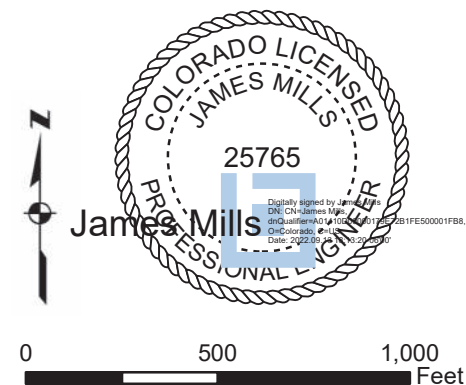
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.27

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 \\usqts0vs01\Jobs\Transportation\WXXZ7313_22\F000030\01-CADD\Sheets\DWIWEVE AREA MAP 3.mxd

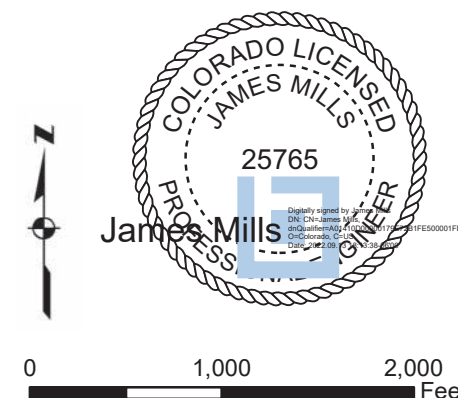
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.28

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:

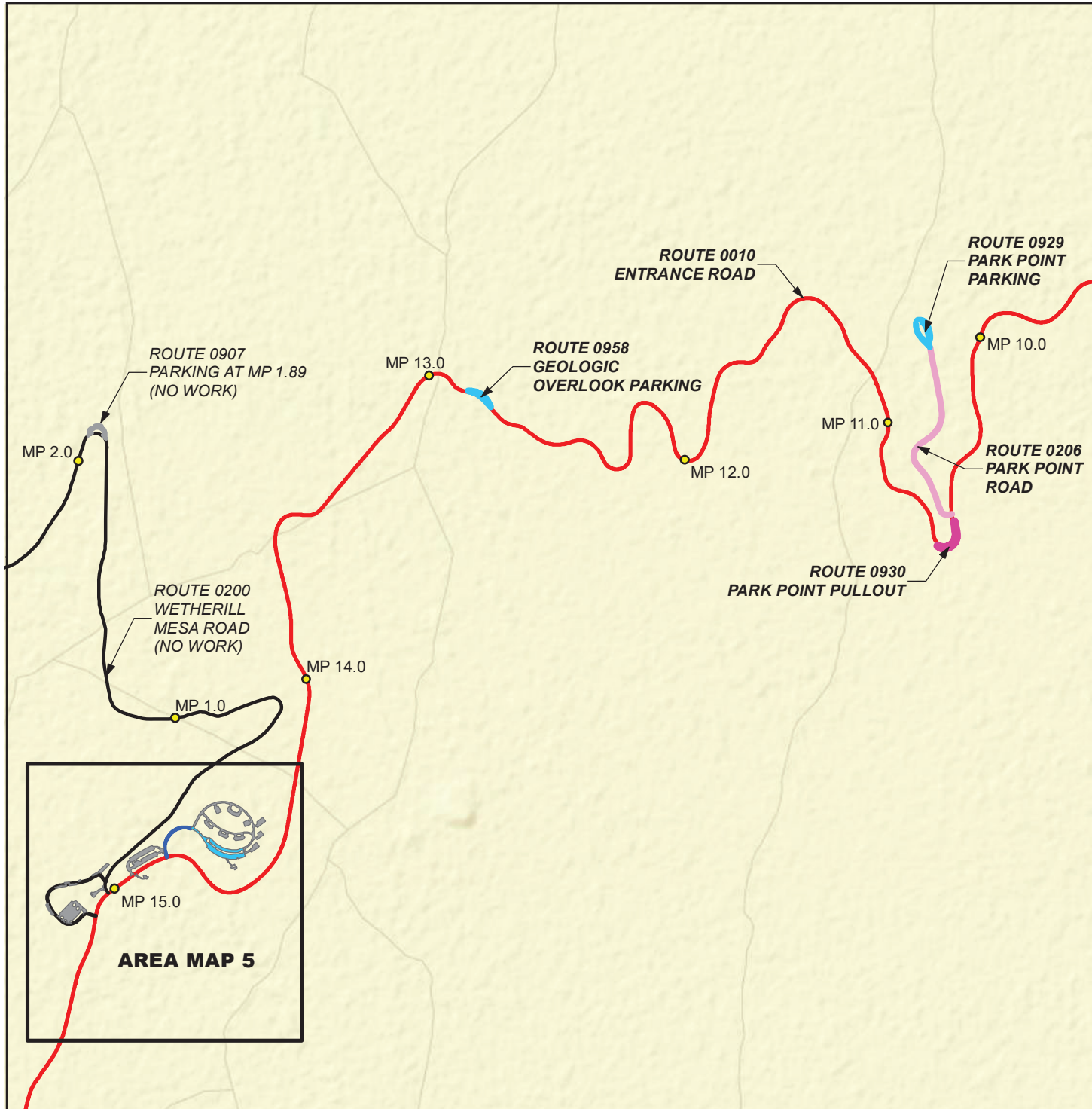
	Chip Seal
	Micro Surfacing Type 2
	No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 3**



8/16/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL_DIQ_2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DIWEVE AREA MAPS.mxd



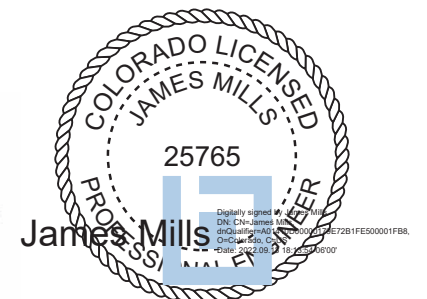
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.29

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.

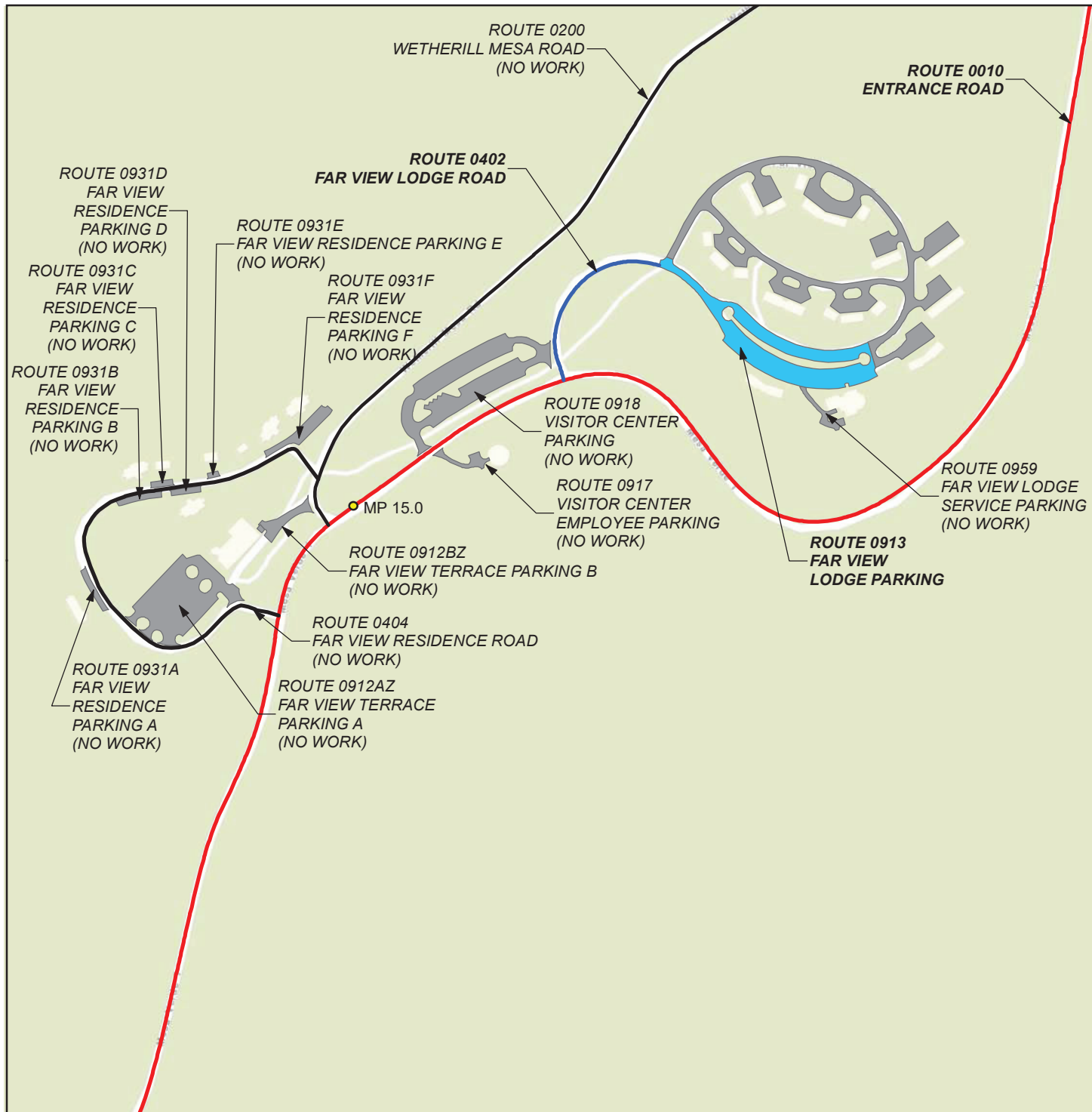
LEGEND:

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



**MESA VERDE
NATIONAL PARK
AREA MAP 4**

8/16/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\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.

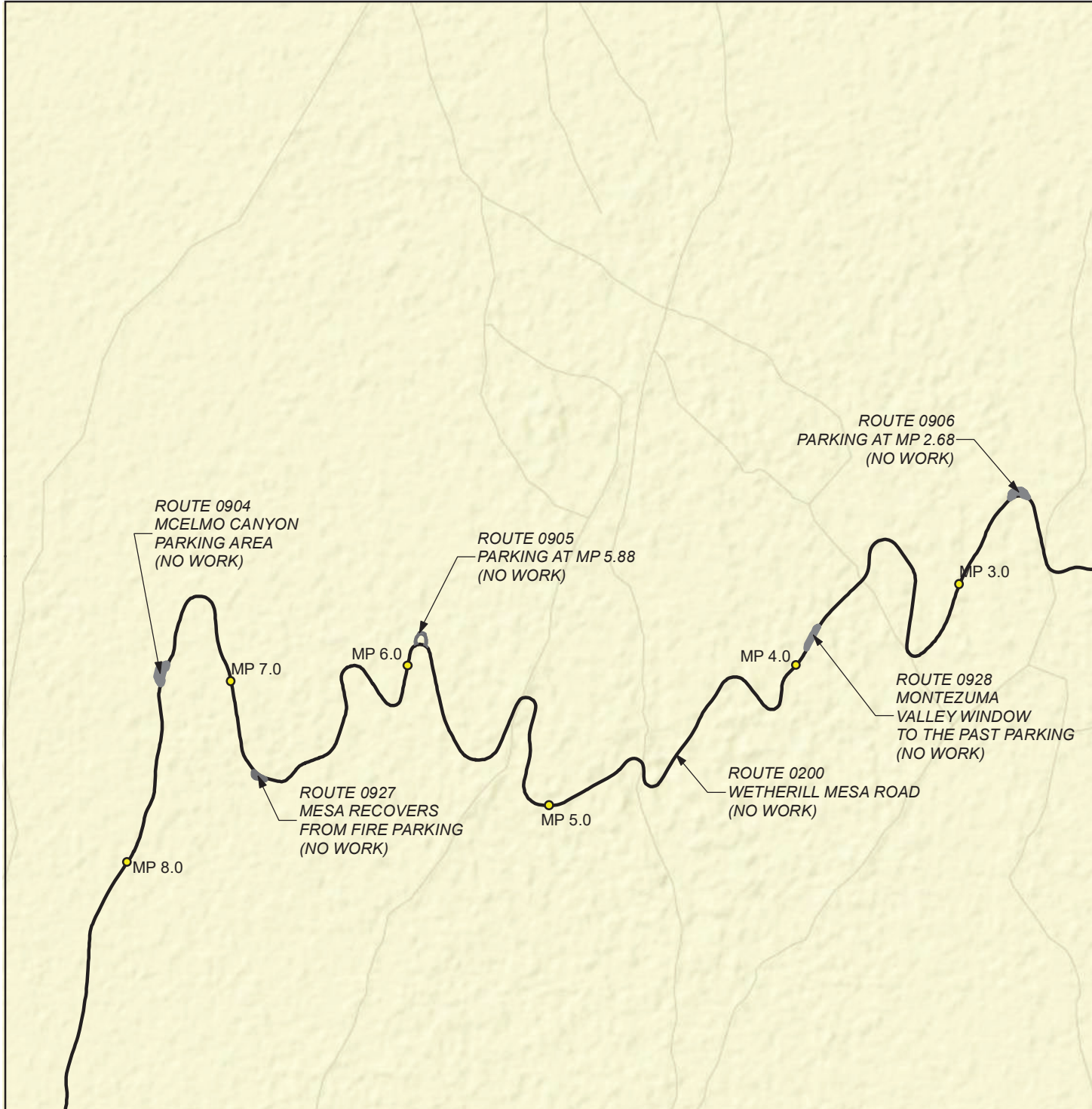
LEGEND:

			Chip Seal
			Micro Surfacing Type 2
			No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 5**

8/16/2022 \\usqts00vs01\Jobs\Transportation\WXXZ7300_WFL\DIQ 2021\WXXZ7313_22F000030\01-CADD\Sheets\DWEEVE AREA MAPS.mxd



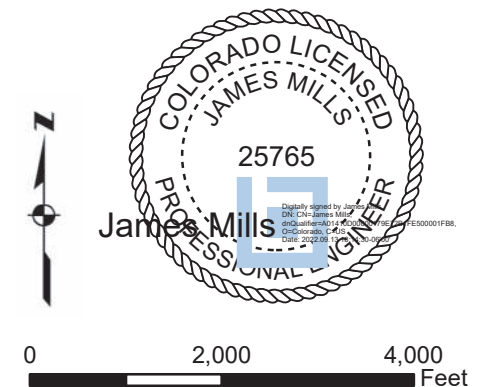
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.31

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



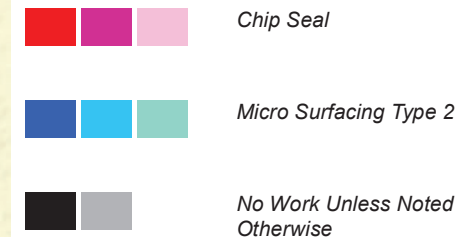
**MESA VERDE
NATIONAL PARK
AREA MAP 6**

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

NOTE:

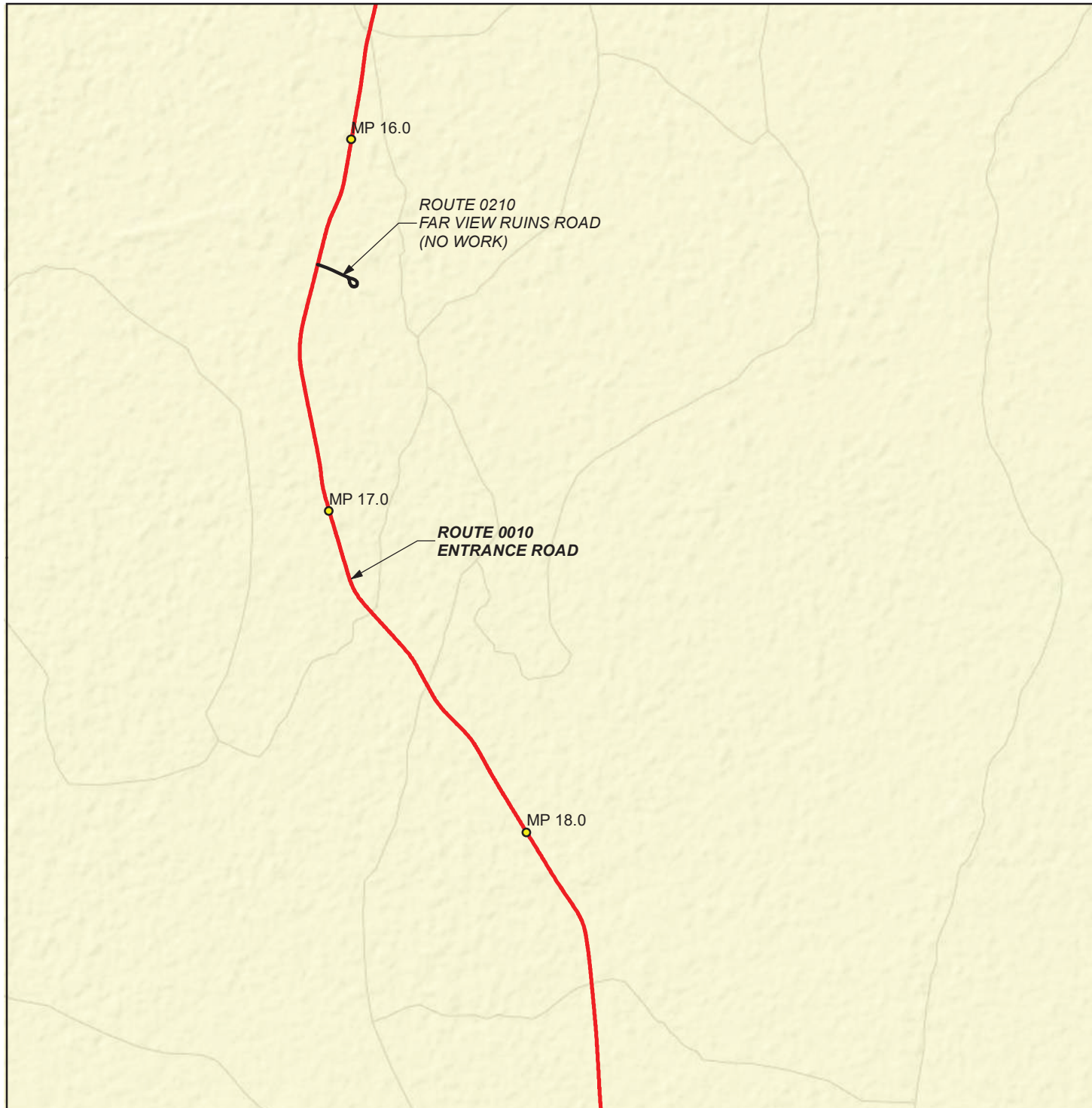
1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:



**MESA VERDE
NATIONAL PARK
AREA MAP 7**

8/16/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL\DIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DIMEVE AREA MAPS.mxd











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.

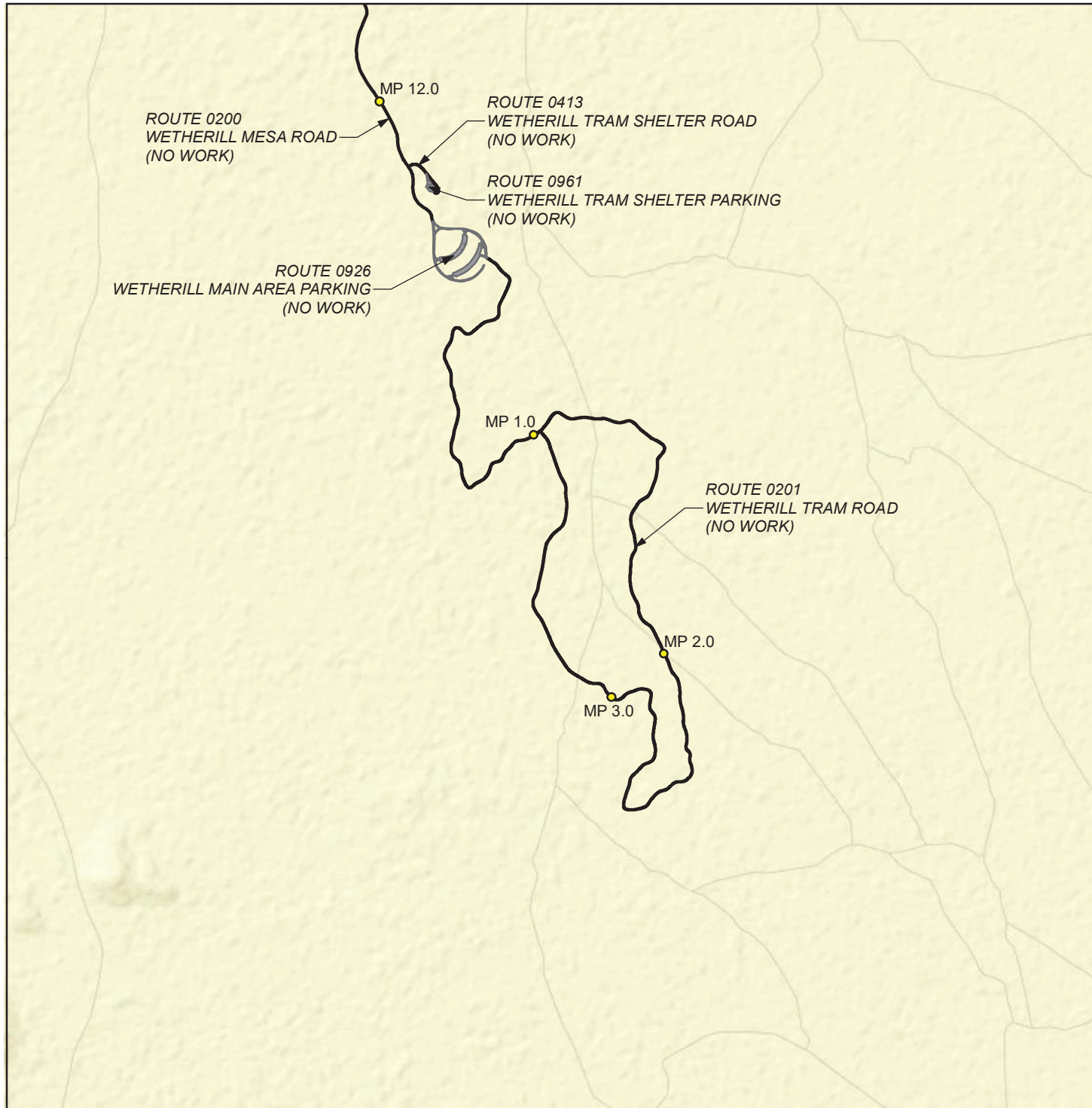
LEGEND:

			Chip Seal
			Micro Surfacing Type 2
			No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 8**

8/16/2022 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL_IDIQ_2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DWIMEVE 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.

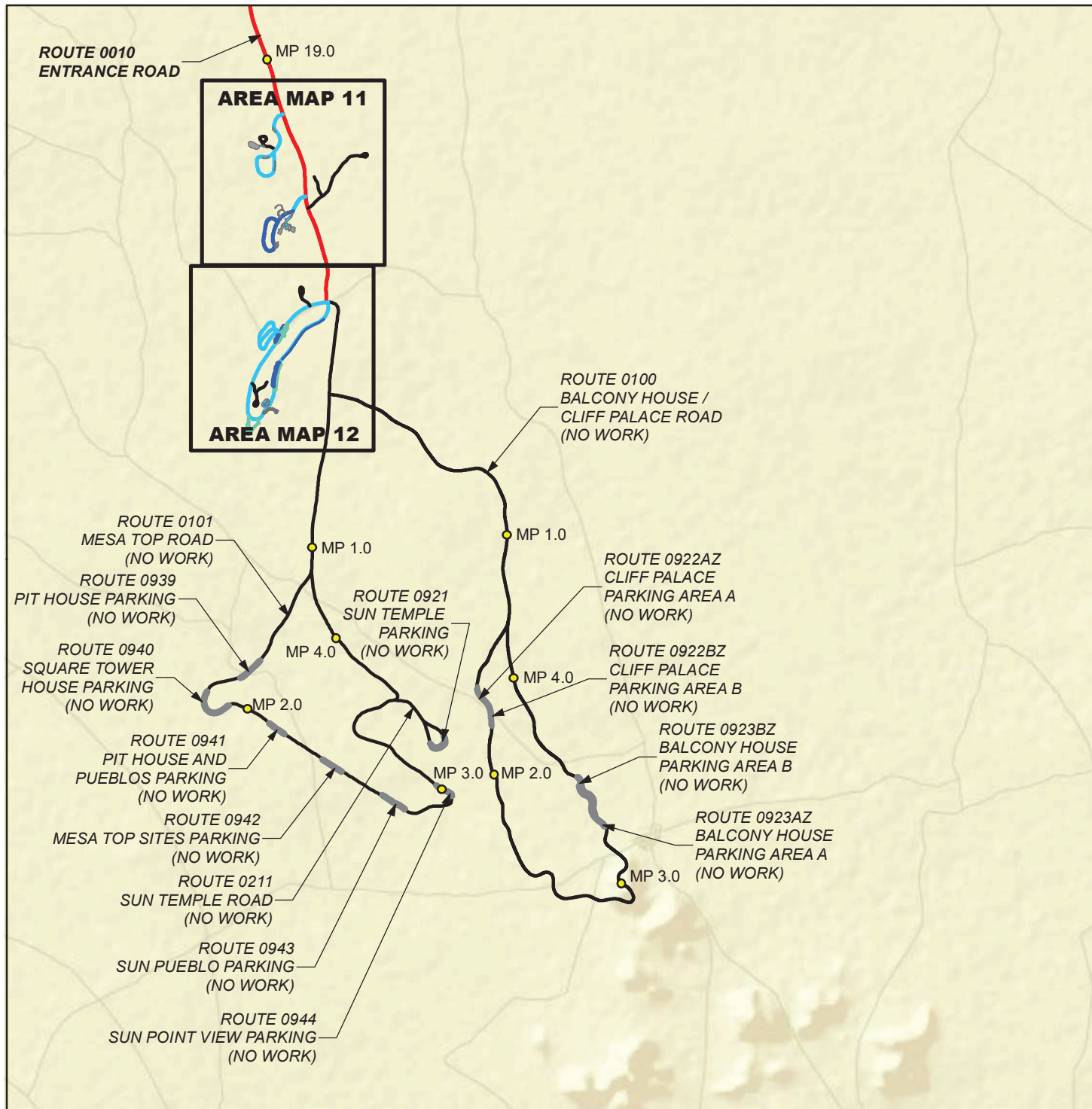
LEGEND:

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



**MESA VERDE
NATIONAL PARK
AREA MAP 9**

8/16/2022 \\usqts01\Jobs\Transportation\WXXZ7300_WFL\DIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DWIMEVE AREA MAPS.mxd



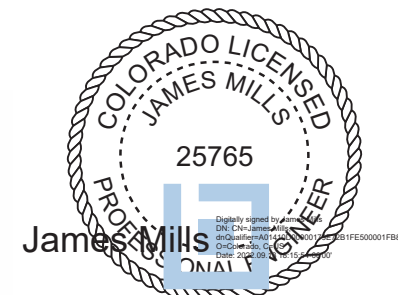
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.35

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 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL\DIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DWEEVE AREA MAP 11.mxd

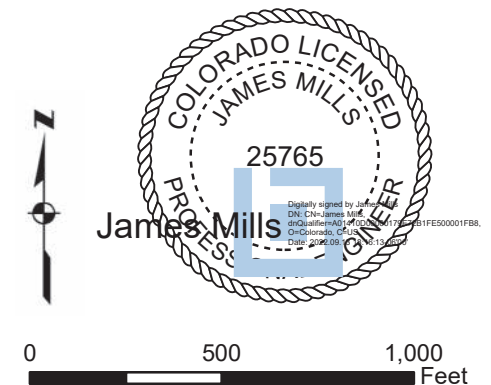
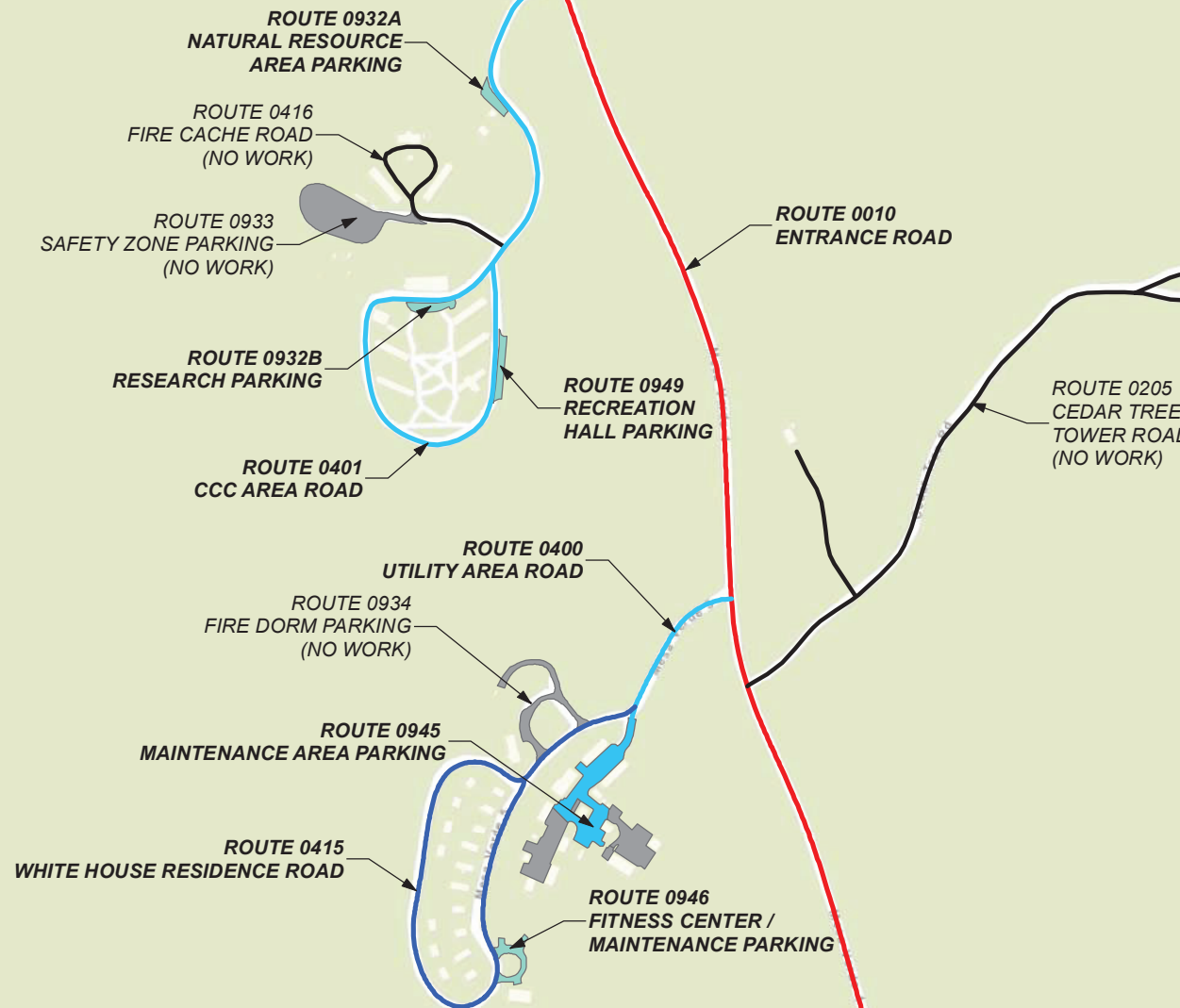
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	D.36

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 \\usqts0vs01\Jobs\Transportation\WXXZ7300_WFL\DIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\DWIWEVE AREA MAP_12.mxd

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

NOTE:

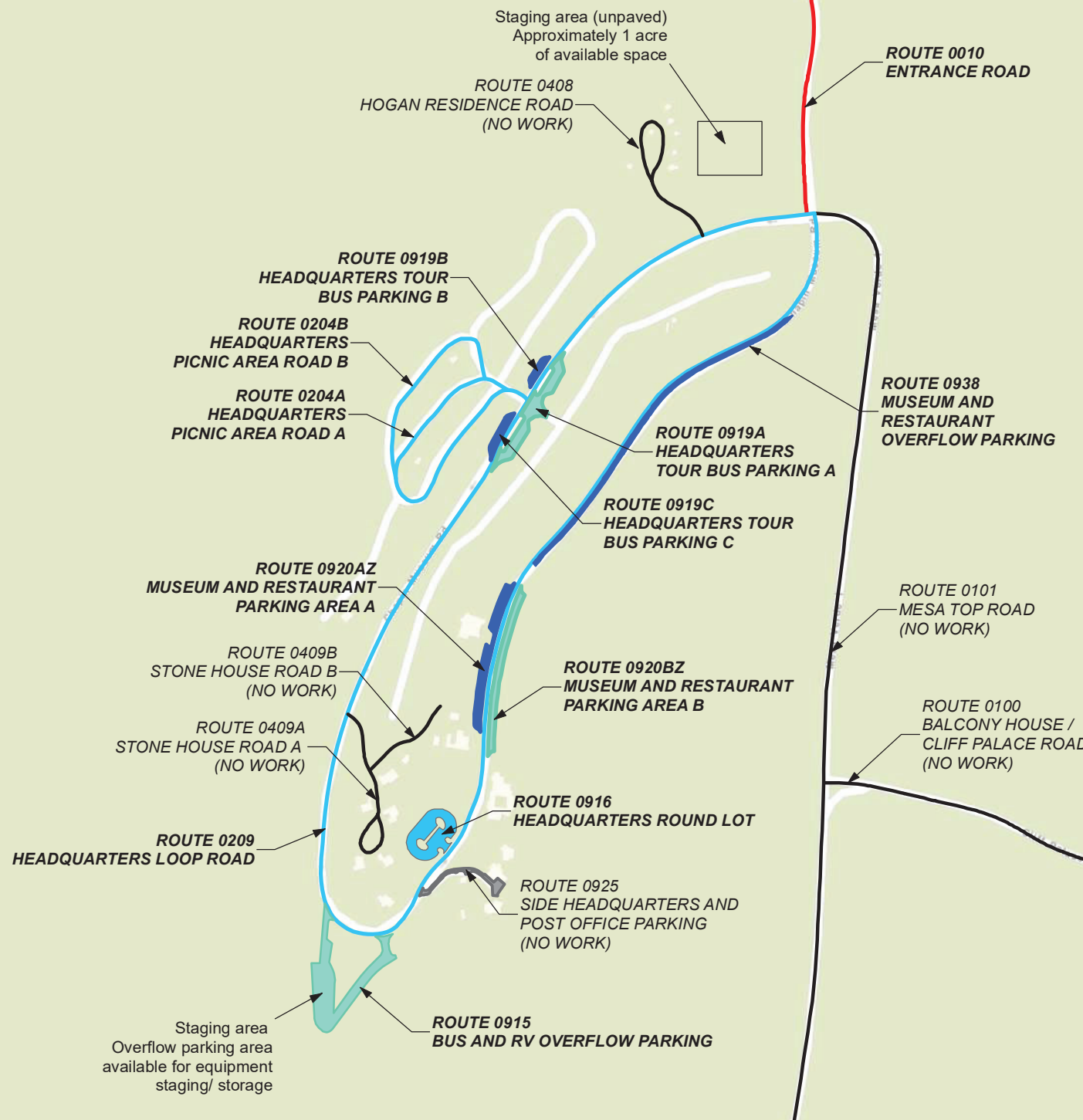
1. See Road Inventory Program (RIP) data for Mesa Verde National Park Cycle 6 Report for additional maps and route information.
2. Unique colors and shades used to differentiate routes and surface treatment.

LEGEND:

	Chip Seal
	Micro Surfacing Type 2
	No Work Unless Noted Otherwise



**MESA VERDE
NATIONAL PARK
AREA MAP 12**



TEMPORARY TRAFFIC CONTROL	STATE	PROJECT	SHEET NUMBER
	CO	NP MULTI PMS(1)	E.1

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

CONSTRUCTION SIGN QUANTITIES							
Item Number						63504-1000	NOTES
Drawing Reference	MUTCD Reference	Sign Message	Panel Size	Area	Quantity	TEMPORARY TRAFFIC CONTROL, CONSTRUCTION SIGN	
Unit			Inches	SQFT	Each	SQFT	
635-1	G20-2	End Road Work	36 x 18	4.5	8	36.0	
635-1	W20-1	Road Work Ahead	36 x 36	9	8	72.0	
635-6, 635-7	W13-1P	25 MPH	24 x 24	4	4	16.0	
635-6, 635-7	W20-4	One Lane Road Ahead	36 x 36	9	4	36.0	
635-6	W20-7A	Flagger Symbol	36 x 36	9	12	108.0	
	G20-4	Pilot Car Follow Me	36 x 18	4.5	1	4.5	
	G24-B	Wait For Pilot Car	36 x 18	4.5	2	9.0	
	W8-7	Loose Gravel	30 x 30	6.25	4	25.0	
TOTAL						306.5	

OTHER TRAFFIC CONTROL QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QTY	Notes
63502-0700	TEMPORARY TRAFFIC CONTROL, CONE	EACH	440	
63502-2000	TEMPORARY TRAFFIC CONTROL, PORTABLE CHANGEABLE MESSAGE SIGN	EACH	4	
63506-0500	TEMPORARY TRAFFIC CONTROL, FLAGGER	HOUR	6000	
63506-0600	TEMPORARY TRAFFIC CONTROL, PILOT CAR	HOUR	300	
63507-0700	TEMPORARY TRAFFIC CONTROL, TRAFFIC CONTROL SUPERVISOR	DAY	100	

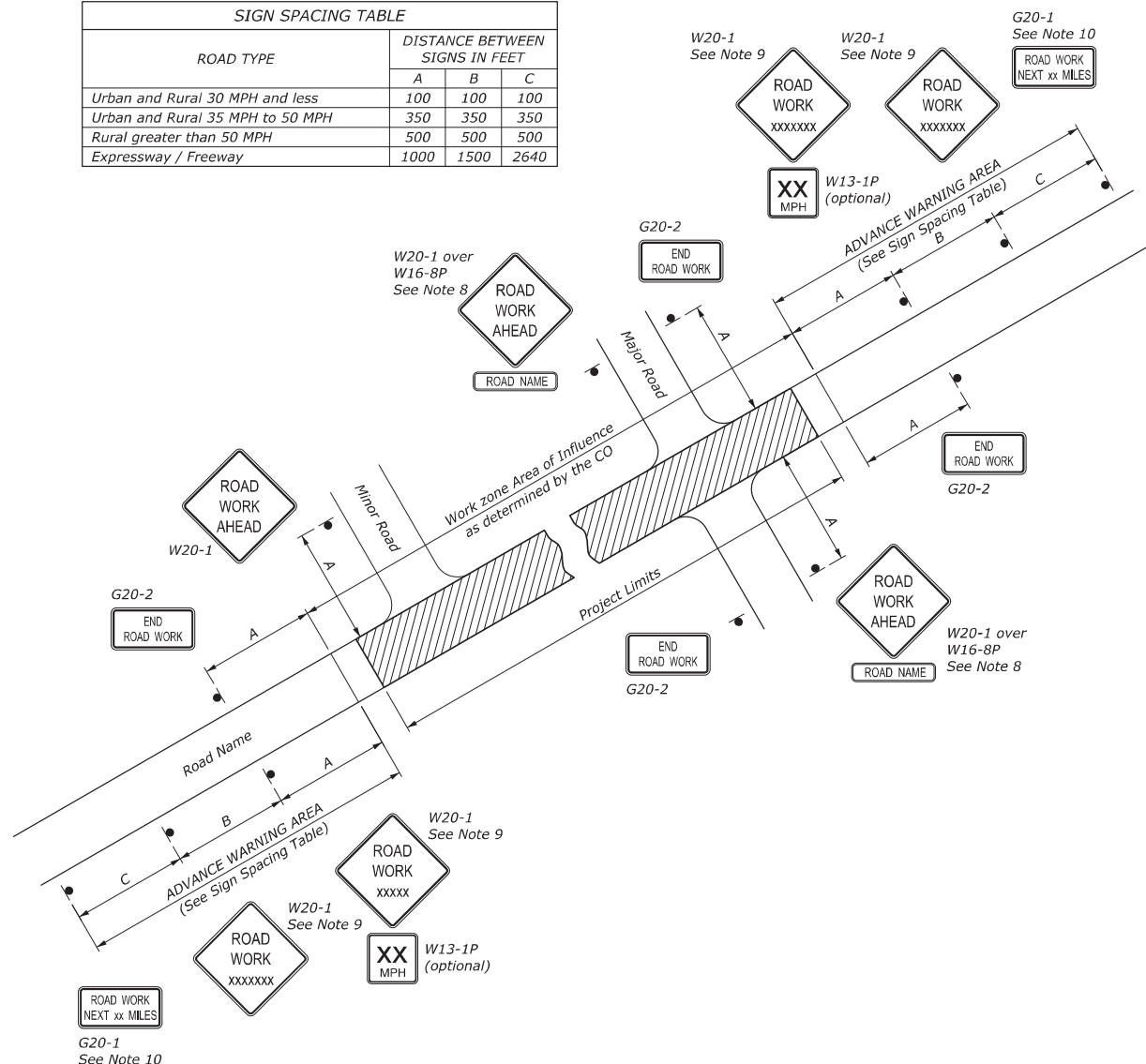


	TABULATION OF TEMPORARY TRAFFIC CONTROL QUANTITIES
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STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	E.3

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

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:

- 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.

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 REVISED: 7/2022	STANDARD 635-1

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

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

NOTE:

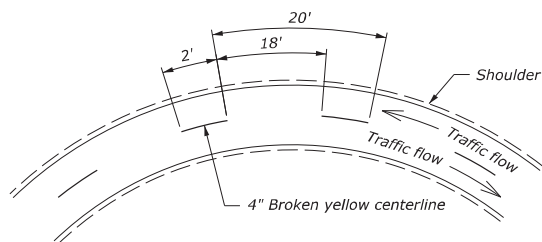
1. To substitute raised pavement markers for lines, use the following patterns:

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

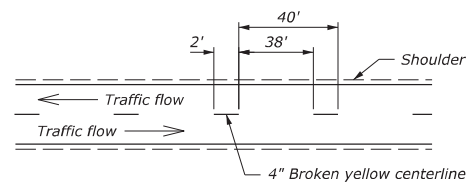
Single solid line: pavement markers spaced on 10' centers.

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

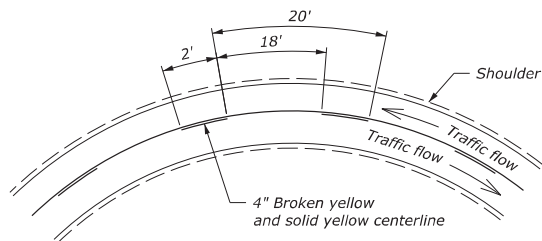
2. On two- or three-lane roads, signs may be used instead of temporary pavement markings as shown on Standard 635-3.



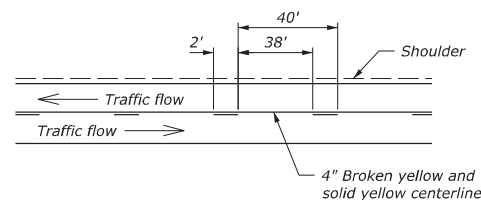
DETAIL A1
Passing zone both directions
Two-way traffic



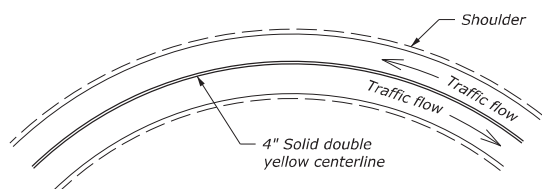
DETAIL B1
Passing zone both directions
Two-way traffic



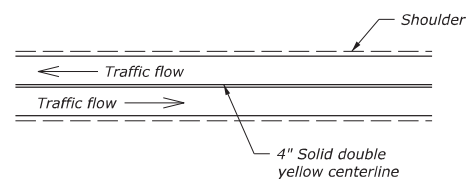
DETAIL A2
No passing zone one direction
Two-way traffic



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

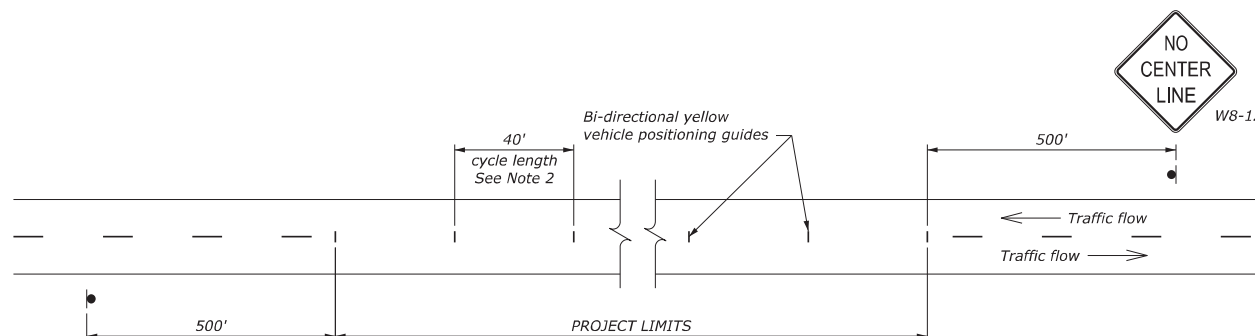
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LANDS HIGHWAY	
FLH STANDARD	
TEMPORARY PAVEMENT MARKINGS	
STANDARD APPROVED FOR USE 6/2005 REVISED: 7/2022	STANDARD 635-2

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

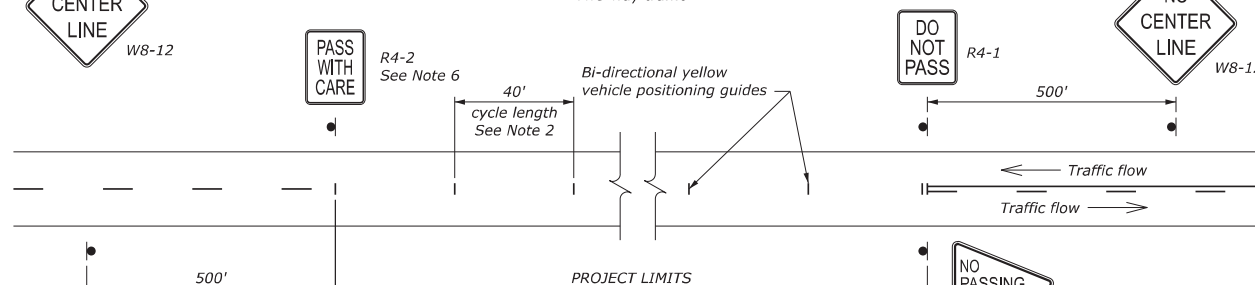
NPS PMIS NO.: 326427,
326392, 326375, 326379

NOTE:

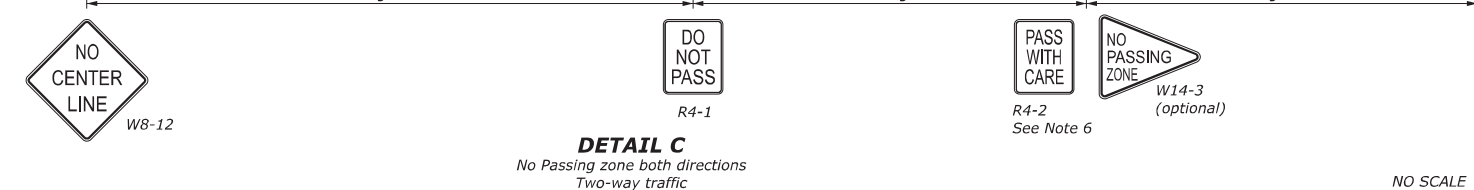
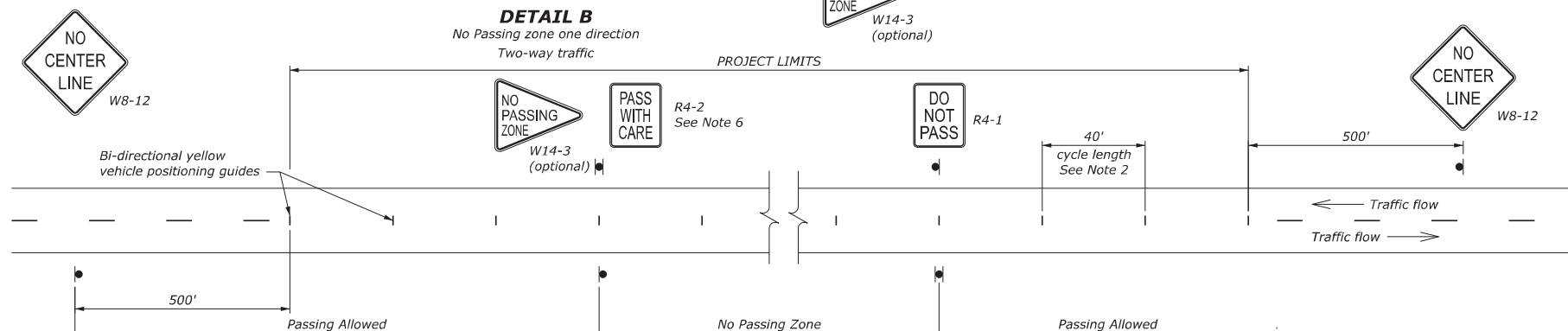
1. The pavement on two- or three-lane roads may remain unmarked up to 14 days when providing signs according to this standard. Optionally use the vehicle positioning guides to provide additional delineation.
2. On curves with radius less than 500', reduce cycle length to 20'.
3. Use permanent markings 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

STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	E-6

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

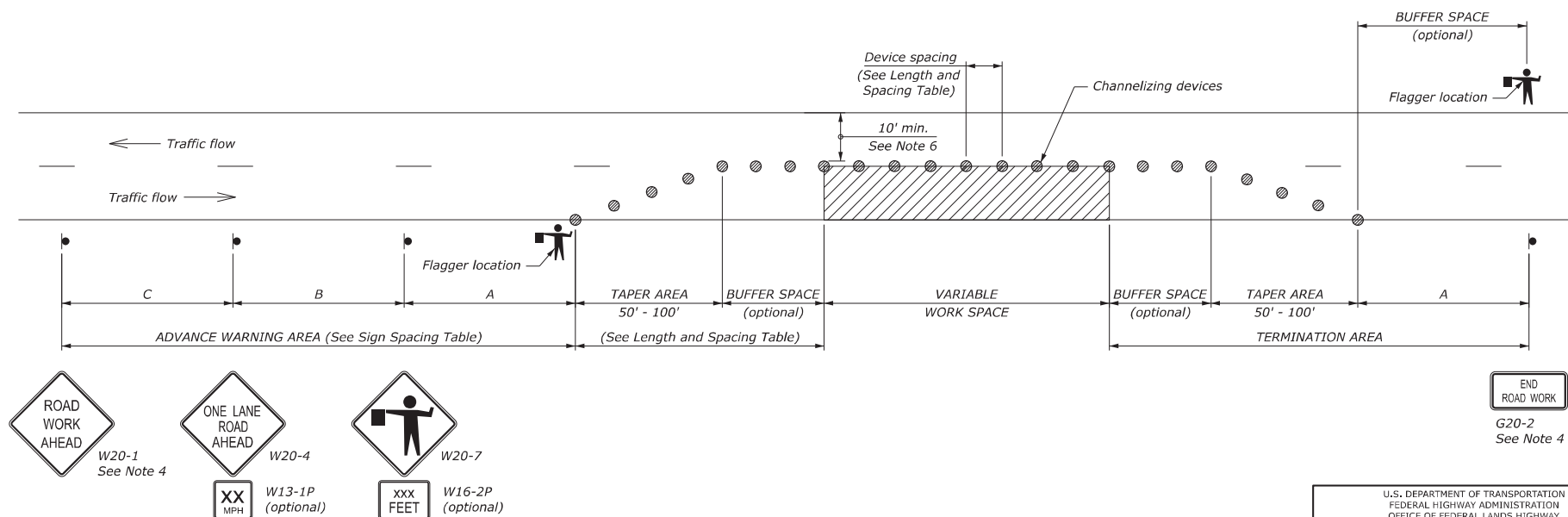
LENGTH AND SPACING TABLE				
APPROACH SPEED*	BUFFER SPACE LENGTH	CHANNELIZING DEVICE		
		TAPER AREA	BUFFER SPACE	WORK SPACE
MPH	FEET	SPACING IN FEET		
20	115	20	40	40
25	155	20	50	50
30	200	20	60	60
35	250	20	70	70
40	305	20	80	80
45	360	20	90	90
50	425	20	100	100
55	495	20	110	110
60	570	20	120	120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



NO SCALE

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 REVISED: 7/2022	STANDARD 635-6

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

NPS PMIS 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

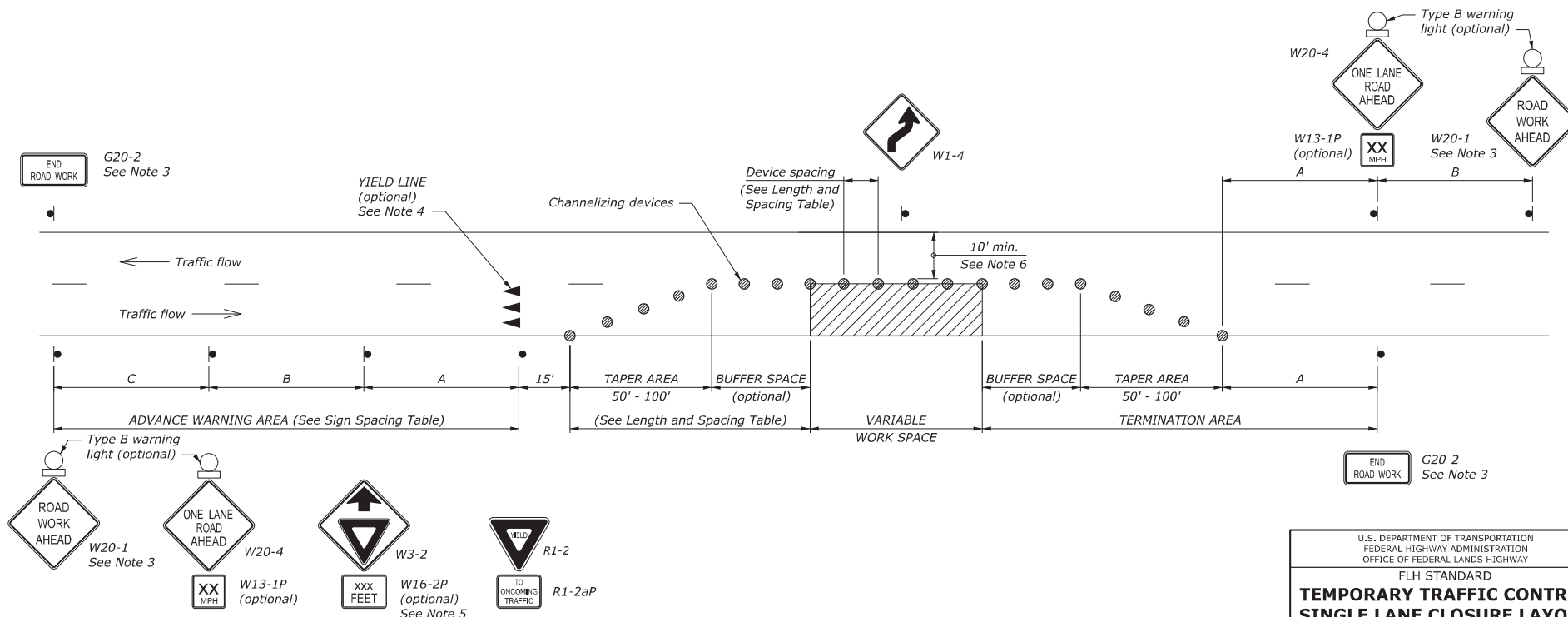
* Approach speed based on the regulatory posted speed, not the advisory speed.

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.

19 MAY 2022 6:35 AM c:\www\ckm\0273\646152.jpg [56: 615x21]

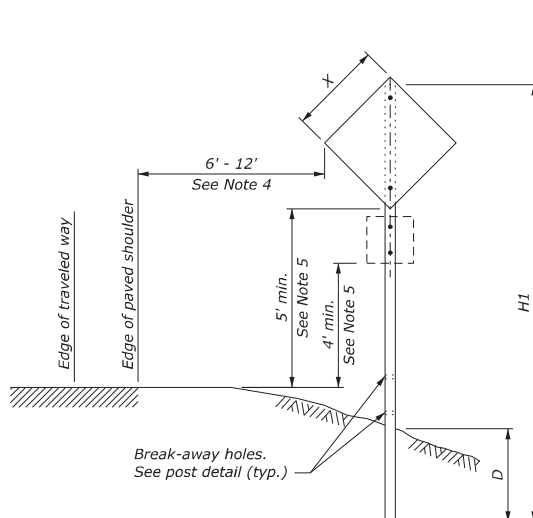


NO SCALE

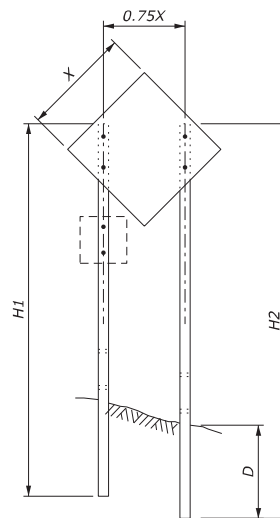
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LANDS HIGHWAY	
FLH STANDARD	
TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE LAYOUT (WITH YIELD SIGN)	
STANDARD APPROVED FOR USE 6/2005 REVISED: 7/2022	STANDARD 635-7

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

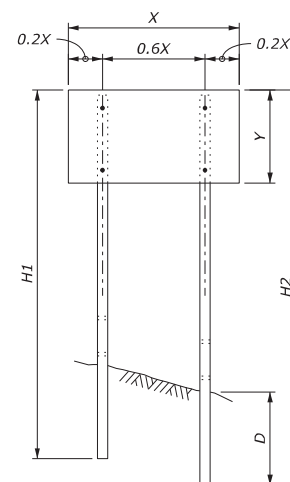
NPS PMIS NO.: 326427,
326392, 326375, 326379



SINGLE POST SIGN



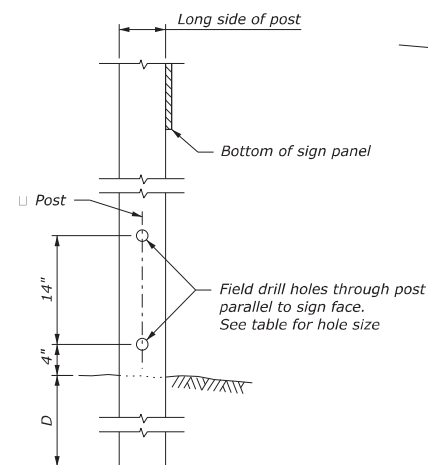
TWO POST SIGN



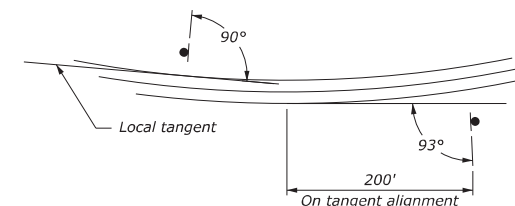
NOTE:

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" Other Shapes ≤ 48"	< 10	1	4 x 4	36	0
		1	4 x 6	48	1.5
Diamond ≤ 48" Other Shapes ≤ 12'	10 - 20	1	6 x 6	48	2
		2	4 x 4	36	0
> 13'	50 - 65	2	4 x 6	48	1.5
		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



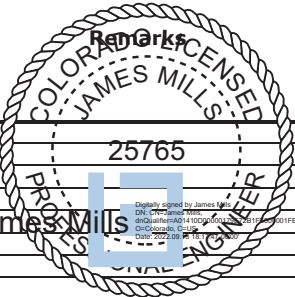
POST DETAIL



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 REVISED: 7/2022	STANDARD 635-14

NO SCALE

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	<div><div>Remarks</div><div></div></div>	
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)	HATCHED AREAS (TYPE B)	STOP LINE	PAVEMENT MARKINGS	PAVEMENT MARKINGS	PAVEMENT MARKINGS	PAVEMENT MARKINGS	MISC SYMBOLS	ABA ACCESSIBLE SYMBOL	STOP LETTERING	ARROWS	PAVEMENT MARKINGS, SYMBOLS	RUMBLE STRIP (CENTERLINE)	RUMBLE STRIP	RECESSED PAVEMENT MARKER, BI-DIRECTIONAL REFLECTIVE		
		YELLOW	WHITE	WHITE	WHITE	BLUE	YELLOW	WHITE	WHITE	(TYPE B) BLUE	(TYPE B) YELLOW	(TYPE B) WHITE	(TYPE B) GREEN	EACH	EACH	LNFT	SQYD	EACH						
		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																						No pavement markings	
0229	Elk Creek Campground Loop D																						No pavement markings	
0230	Cimarron Campground Loop	200					600			72		800	72					2	2					
0240	Lake Fork Lower Campground Road	4,648		2,320					1,800			4,648	4,120			2			2		22			
0241	Lake Fork Upper Campground Loop	6,124		4,340					864			6,124	5,204			4			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			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			2					No pavement markings	
0911	RV Dump Station																						No pavement markings	
0912	Lake Fork Lower Campground Loop Parking			144					240			384			2			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			2						
0915	Lake Fork Handicap Parking			40					240			280			1			1						
0916A	Iola Parking A			864					480			1,344			2			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	



\\usqts0vs01\Jobs_Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres(800_FHWA\22F000030\01-CADD\Sheets_Tabs\[CO Proj_Sum_Shts_07152022.xlsm]CURE Striping (2)

PAVEMENT MARKING SUMMARY

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

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)	HATCHED AREAS (TYPE B)	STOP LINE	PAVEMENT MARKINGS	PAVEMENT MARKINGS	PAVEMENT MARKINGS	PAVEMENT MARKINGS	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		(TYPE B) BLUE	(TYPE B) YELLOW	(TYPE B) WHITE	(TYPE B) GREEN								
		LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT		LNFT	LNFT	LNFT	LNFT	EACH				EACH	LNFT	SQYD	EACH
0010	Park Entrance Road	91,028	91,028		750		1,152					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																					
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:
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
GREAT SAND DUNES
NATIONAL PARK

PAVEMENT MARKING SUMMARY																					STATE	PROJECT	SHEET NUMBER	
																					CO	NP MULTI PMS(1)	F.5	
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)	HATCHED AREAS (TYPE B)	HATCHED AREAS (TYPE B)	STOP LINE	PAVEMENT MARKINGS (TYPE B)	PAVEMENT MARKINGS (TYPE B)	PAVEMENT MARKINGS (TYPE B)	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	WHITE	GREEN	EACH				EACH	LNFT	SQYD	EACH			
LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	LNFT	EACH				EACH	LNFT	SQYD	EACH				
0010	Entrance Road	423,032	423,032	1,840				4,008	1,536	384		427,040	426,792				15	15	105,442	13	93	Yellow recessed pavement markers at 20' c/c in tunnel		
0202	Morefield Campground Access Road	34,424		480						72		34,424	552				1	1						
0204A	Headquarters Picnic Area Road A	120								360		120	360				1	1						
0204B	Headquarters Picnic Area Road B														1			1				Add (1) ABA symbol		
0206	Park Point Road	10,772								72		10,772	72											
0207A	Morefield Campground Navajo Loop									72			72											
0207B	Morefield Campground Pueblo Road	3,800								72		3,800	72											
0209	Headquarters Loop Road		12,672	1,584						240			14,496		1		8	9				Misc. Text Symbols: (1) "15 MPH" text		
0400	Utility Area Road	1,688								96		1,688	96											
0401	CCC Area Road	9,504								72		9,504	72											
0402	Far View Lodge Road									72			72											
0415	White House Residence Road	8,024								72		8,024	72											
Parking Areas																								
0900	Entrance Trailer Area			1,584					120			1,704												
0902	Mancos Valley Overlook Parking			1,200				240	144			1,584			2			2						
0908	Morefield Amphitheater Parking			8,280				960				9,240			6			6						
0909	Knife Edge Trail Parking																					No pavement markings		
0910	Morefield Store Parking			3,224				1,656	72			4,952			4		3	7						
0913	Far View Lodge Parking			5,040				1,440				6,480			3			3						
0914	Montezuma Valley Overlook Parking			360			2,160	240	144			2,160	744		1			1				Add (1) ABA symbol and access aisle hatch		
0915	Bus and RV Overflow Parking		120	780					120			1,020			1		1	2						
0916	Headquarters Round Lot	60		1,624				180	72		60	1,876					3	3						
0919A	Headquarters Tour Bus Parking A			360								360												
0919B	Headquarters Tour Bus Parking B																					No pavement markings		
0919C	Headquarters Tour Bus Parking C																					No pavement markings		
0920AZ	Museum and Restaurant Parking Area A			1,760				1,968				3,728			6			6						
0920BZ	Museum and Restaurant Parking Area B			2,024				1,512				3,536			3			3						
0929	Park Point Parking			1,760			1,920	672			1,920	2,432			3		1	4						
0930	Park Point Pullout																					No pavement markings		
0932A	Natural Resource Area Parking																					No pavement markings		
SHEET TOTAL		491,424	435,824	31,900			8,088	10,404	2,256		499,512	480,384		1	30		33	64	105,442	13	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	

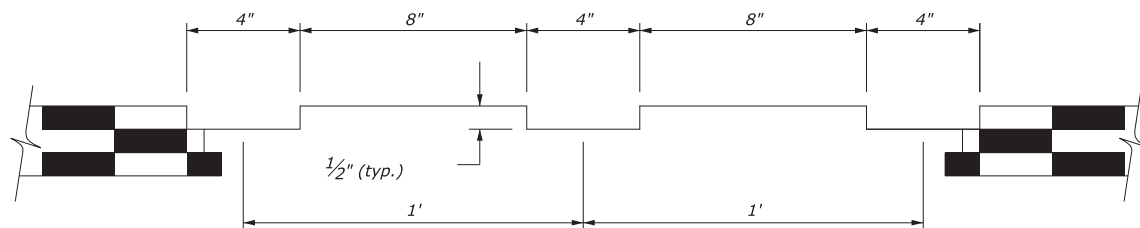


[illegible]

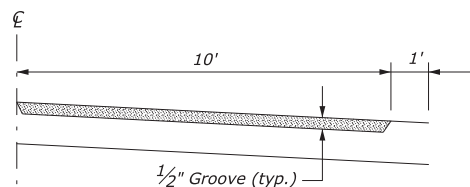
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.7

NOTE:

1. Mill rumble strip grooves as per section 633.

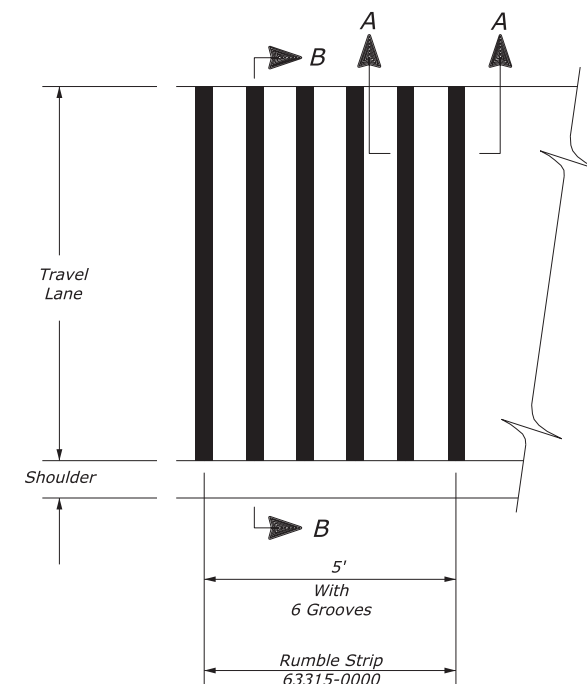


SECTION A-A
(Grooved)



SECTION B-B
(Grooved)

PERMANENT GROOVED RUMBLE STRIPS



TYPICAL RUMBLE STRIP CLUSTER



NO SCALE

RUMBLE STRIPS

16 August 2022 11:15 AM \\usqts0vs01\jobs\Transportation\WXXZ7300_WFL_IDIQ 2021\WXXZ7313_22F000030_CO_Pave Pres\800_FHWA\22F000030\01-CADD\Sheets\F\629-251_rumble.stp.dgn [2D Design Survi]

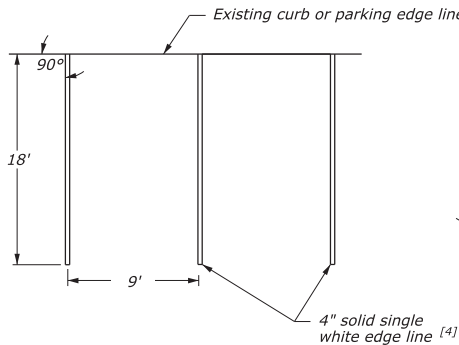
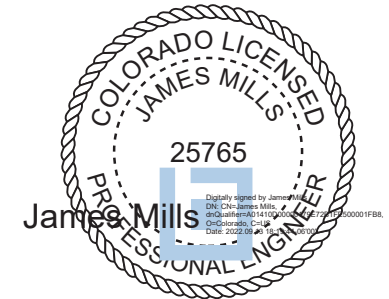


1. See plans for location of shoulder rumble strip gaps at turn lanes, auxiliary lanes, and approach roads.

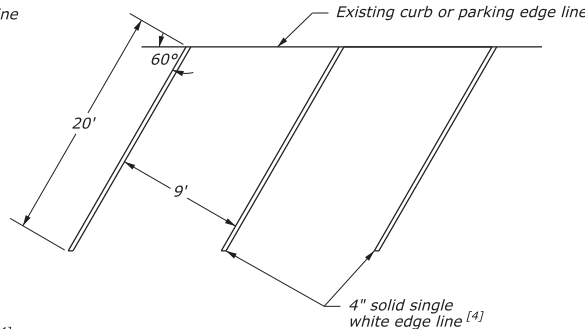


U.S. DEPARTMENT OF TRANSPORTATION CENTRAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION		
CFLHD DETAIL		
RUMBLE STRIPS		
DETAIL APPROVED FOR USE 9/2/01		DETAIL
REVISED: 08/78/14 07/2017 10/2021		C629-51

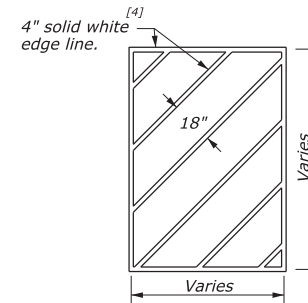
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.9



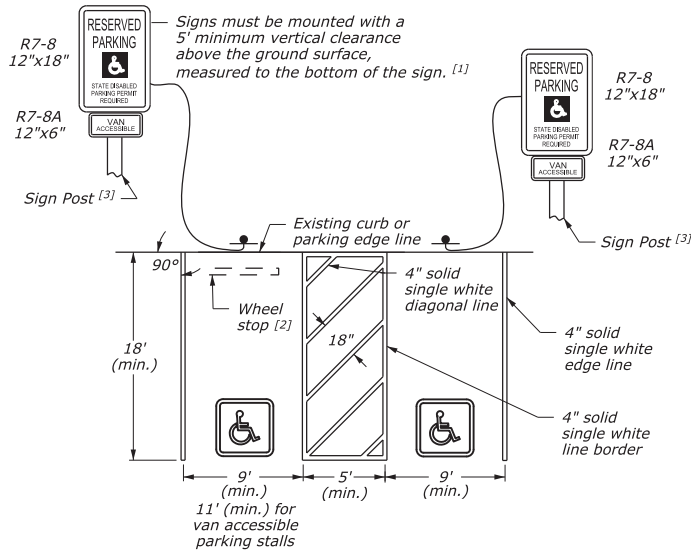
HEAD-ON PARKING STRIPING



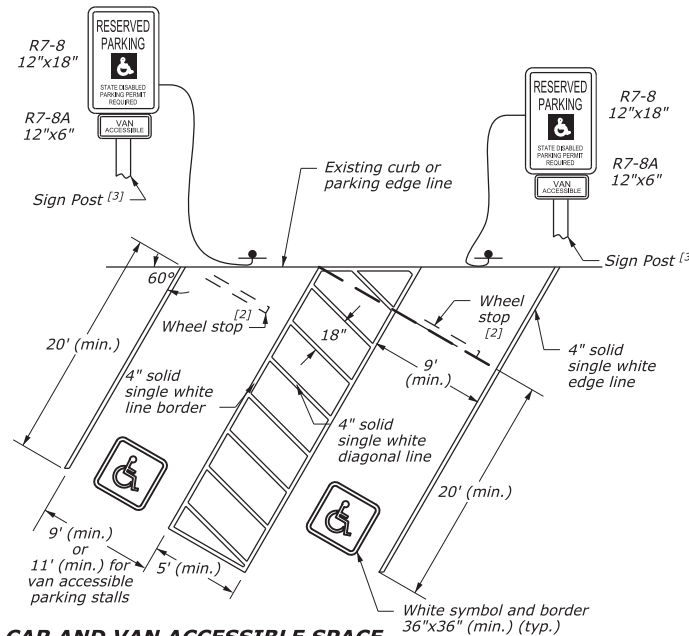
DIAGONAL PARKING STRIPING



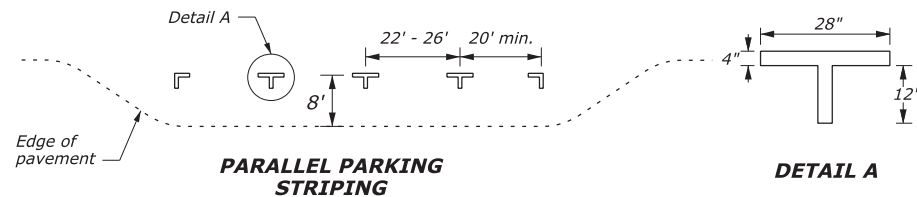
NO PARKING HATCH (NON ADA/ABA ACCESS AISLE)



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

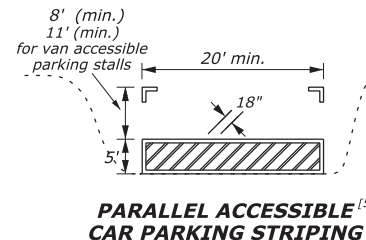


CAR AND VAN ACCESSIBLE SPACE DIAGONAL PARKING WITH HATCHED ACCESS AISLE



PARALLEL PARKING STRIPING

DETAIL A



PARALLEL ACCESSIBLE CAR PARKING STRIPING

NO SCALE

NOTE:

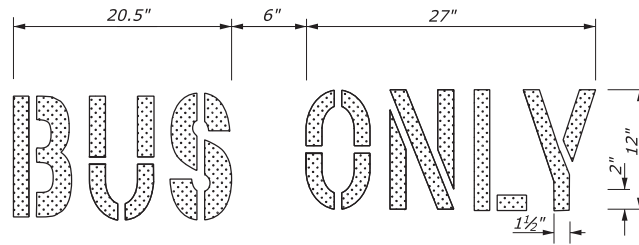
1. Provide striping in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) latest edition.
2. Provide letters, numerals, and symbols that conform with the "Standard Highway Signs", latest edition.
3. Dimensions shown are for informational purposes only. Match existing pavement marking 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:

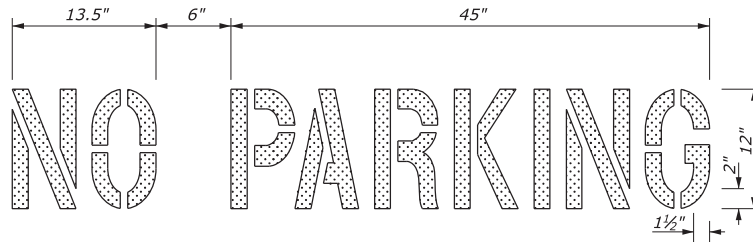
- [1] Provide signs matching parking details when specified in the Quantity Tabulation. Mount signs with a 5'-0" minimum vertical clearance above the ground surface measured to the bottom of the sign.
- [2] Wheel stop if required to prevent encroachment of vehicles over the required width of walkway.
- [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.

PAVEMENT MARKINGS IN PARKING AREAS

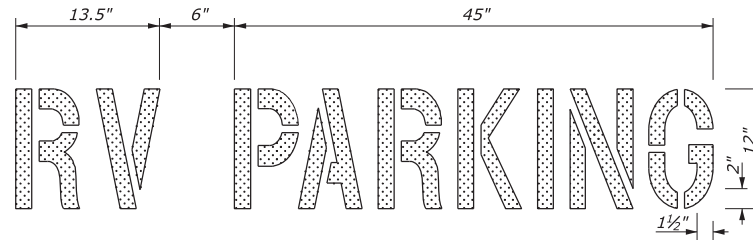
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.10



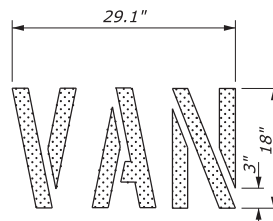
**"BUS ONLY"
WORD MARKING**



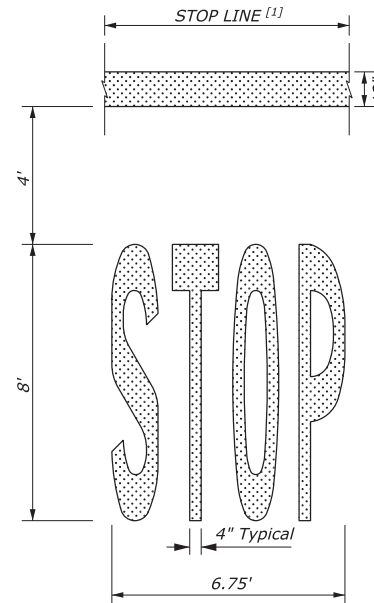
**"NO PARKING"
WORD MARKING**



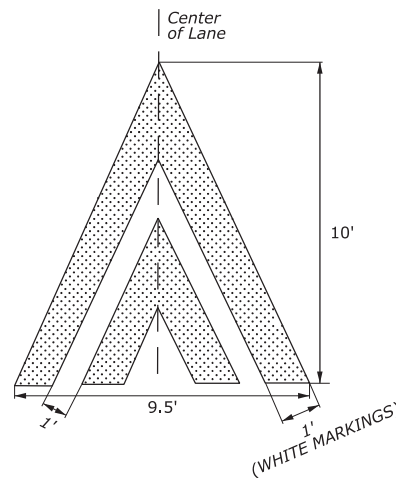
**"RV PARKING"
WORD MARKING**



**"VAN"
WORD MARKING**



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



**SPEED BUMP
CHEVRON SYMBOL**

NO SCALE

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



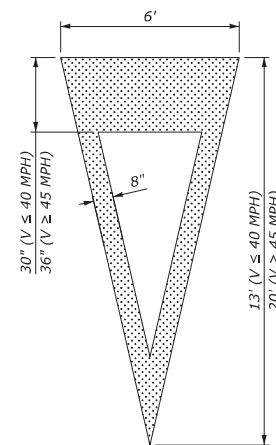
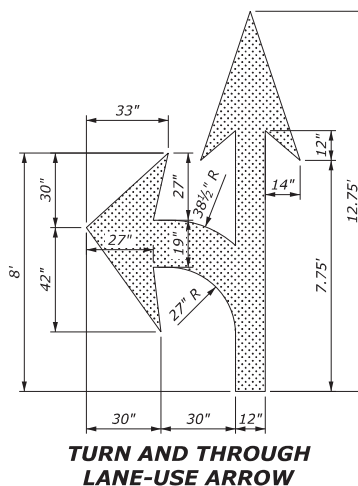
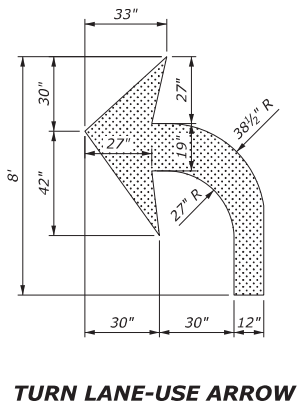
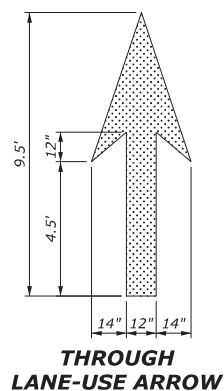
**PAVEMENT MARKINGS
SYMBOLS AND WORDS**

27 June 2016 11:28 AM c:\myfiles\paw_production\dmss43503\W634-1.dgn [USC]

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

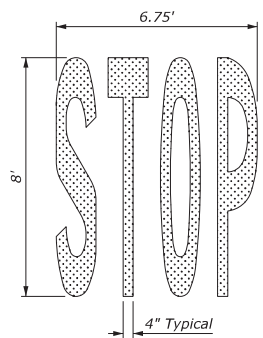
NOTE:

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.

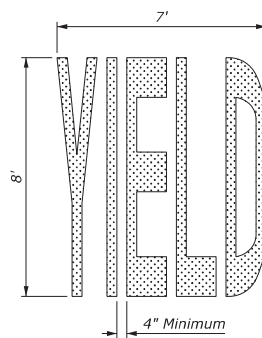


**YIELD AHEAD
TRIANGLE SYMBOL**

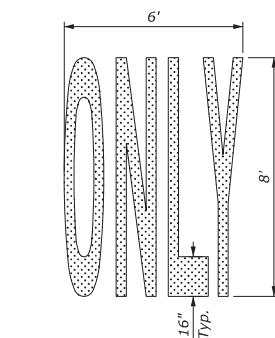
PAVEMENT MARKING AREAS	
TYPE	SQFT
Through Lane-Use Arrow	12
Turn Lane-Use Arrow	16
Turn and Through Lane-Use Arrow	26
Yield Ahead Triangle (V ≤ 40 MPH)	26
Yield Ahead Triangle (V ≥ 45 MPH)	37
Accessibility Marking (symbol only)	2
Accessibility Marking w/ border (White)	5
Accessibility Marking w/ border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



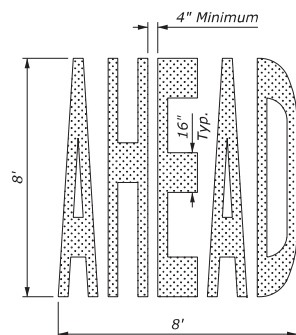
"STOP" WORD MARKING



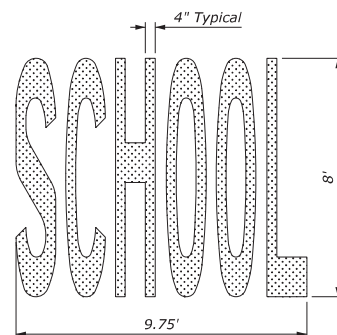
"YIELD" WORD MARKING



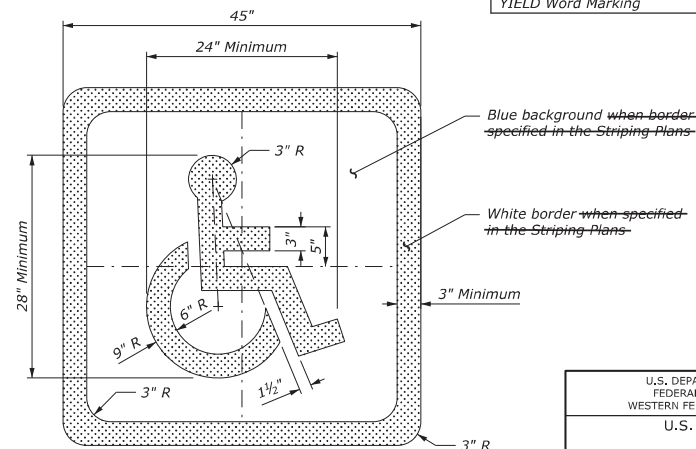
"ONLY" WORD MARKING



"AHEAD" WORD MARKING



"SCHOOL" WORD MARKING

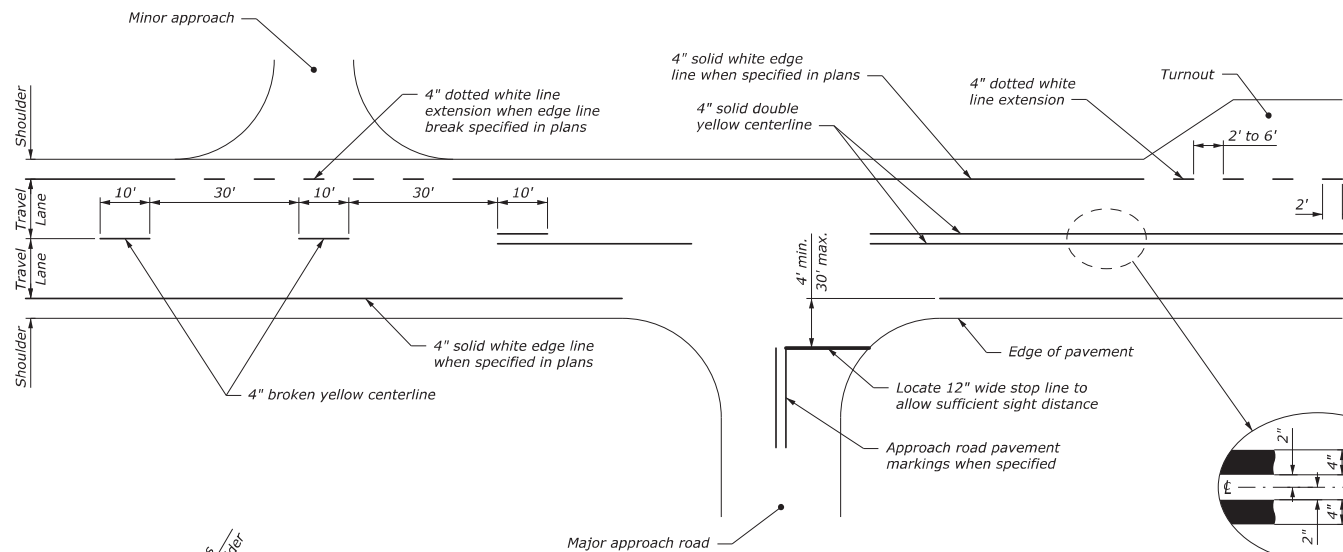


ACCESSIBILITY PARKING SPACE MARKING

NO SCALE

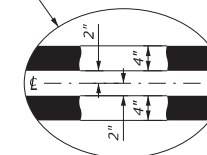
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
PAVEMENT MARKINGS SYMBOLS AND WORDS	
DETAIL APPROVED FOR USE 3/2003 REVISED: 11/2006 10/2007	DETAIL W634-1

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



NOTE:

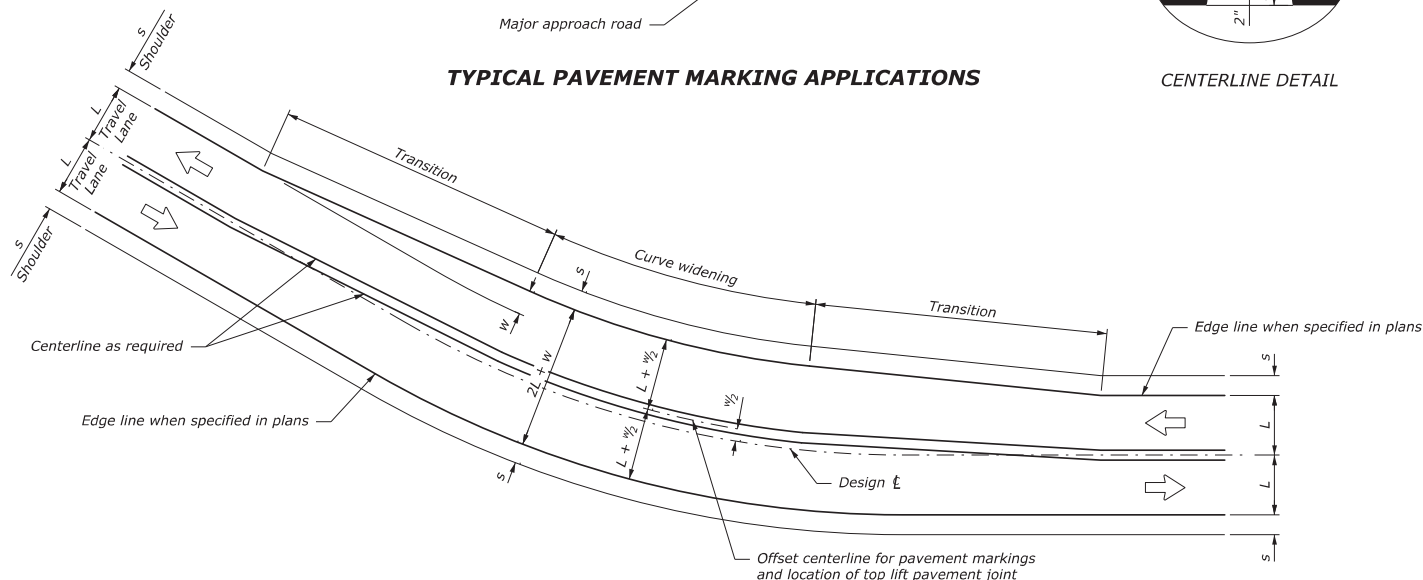
1. Place edge line pavement markings at asphalt/concrete curb interface when curb is present.
2. Paint centerline pavement markings on curves with curve widening "w" to achieve equal lane widths within the roadway. Maintain a constant shoulder width "s" throughout the curve widening area. See staking 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.



Increase spacing between parallel lines when specified in 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

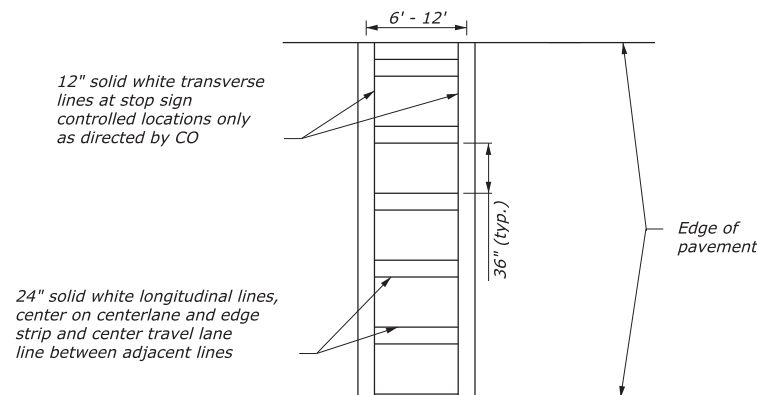
STATE	PROJECT	SHEET NUMBER
CO	NP MULTI PMS(1)	F.13

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]

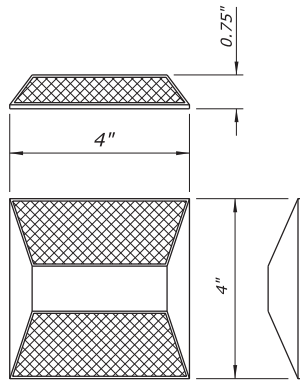


**PAVEMENT MARKINGS
MISCELLANEOUS ROADWAY
STRIPING**

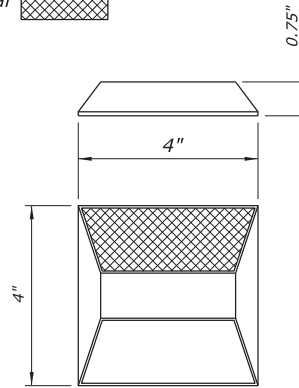
NO SCALE

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

Reflective material 

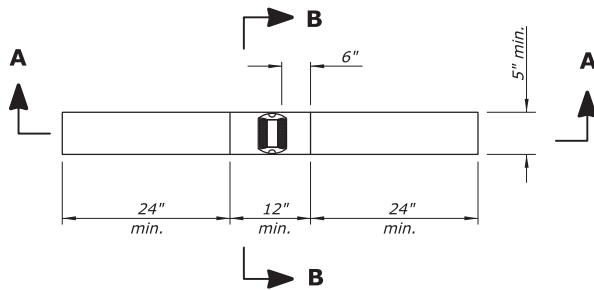


TYPE B

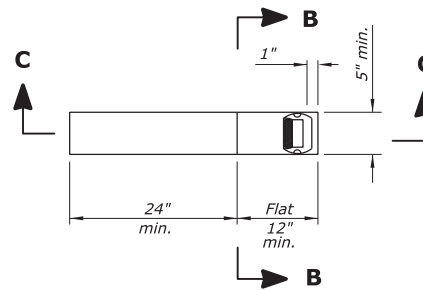


TYPE C

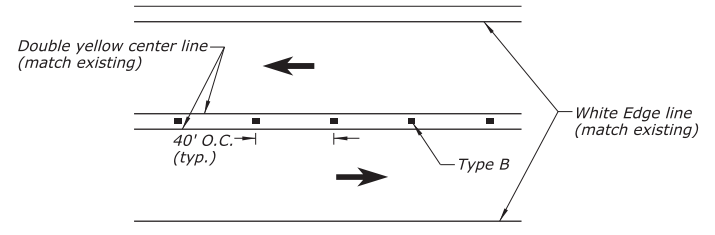
RECESSED PAVEMENT MARKERS



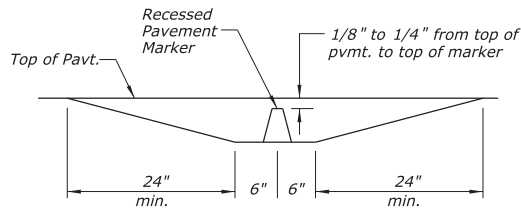
TYPE B



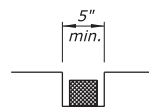
TYPE C



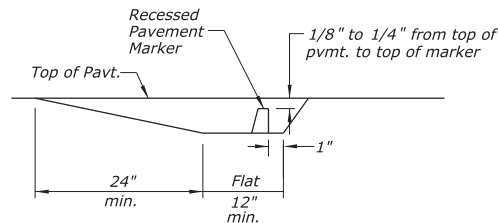
RECESSED PAVEMENT MARKERS



SECTION A
BI-DIRECTIONAL RECESSED
PAVEMENT MARKER DETAILS



SECTION B



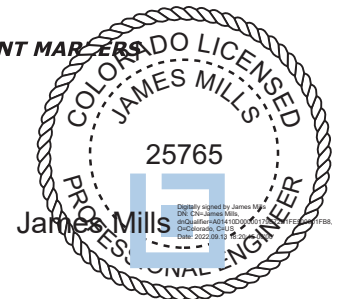
SECTION C
MONO-DIRECTIONAL RECESSED
PAVEMENT MARKER DETAILS

RECESSING GROOVE DETAILS

NO SCALE

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.



PERMANENT RECESSED PAVEMENT MARKER