El Paso County
Highway Advisory Commission

EL PASO COUNTY
COLORADO

Troy Wiitala
Highway Manager

January 20, 2021

Highway Updates 2020 Numbers

Graveling Program
- ✓ Completed 15.44 lanes miles

Dust Abatement Program
- ✓ Completed 135.4 lane miles

Chip Sealing Program
- ✓ Completed 75.58 lane miles

Reclamation
- ✓ Completed 73.15 lane miles

Striping
- ✓ Completed 683 lane miles

El Paso County
Colorado

Highway Updates 2020 Numbers

Sign upgrades to date 2020
- ✓ Replaced 1021 signs

Snow Updates 2020-2021
- ✓ 10 snow events

Total FTEs
- ✓ 122/150; 4 seasonal hires

El Paso County
Colorado

Questions

El Paso County
Colorado

Highway Advisory Commission

Jennifer E. Irvine P.E., MPA
County Engineer

Wednesday 20 January 2021

2020 Accomplishments

El Paso County
Colorado

2020 Accomplishments

EL PASO COUNTY
COLORADO

2020 Accomplishments

- **Colorado 811 Utility Locate requirements (October 2020 Start)**
  - **Locate Requests:** 3,788
  - **Locates Marked:** 536

- **Municipal Storm Sewer System (MS4) Permit Compliance**
  - **Reviews:** 300+ reviews supporting 133 projects (15 DPW, 118 PCD)
  - **Inspections:** 1,876

- **2020 Permits Processed**
  - 787 total permits including special districts for a total of $977K
    - 678 non-special district permits for a total fee of $641K

- **Contracted Maintenance Program**
  - **Concrete:** $2.35M; Sidewalk/Cross Pan: 23,419 Square Yards, Curb & Gutter: 31,783 linear feet, Ped Ramps: 1,919 square yards
  - **Asphalt:** $9.59M, 40.07 centerline miles
  - **Chip Seal:** 37.79 lane miles
  - **Crack Seal:** $284K

2021 Engineering Staffing/Manning

Total FTEs 45/48

New Positions

- ✓ Stormwater Manager - Steve Jacobsen
- ✓ Stormwater Engineer - Christina Furchak
- ✓ Stormwater Engineer - Glenn Reese
- ✓ Asset Manager - Steve LaCasse
- ✓ Inspector I - Holden Vanderpool (CO811)

New Hires

- ✓ Engineer Supervisor - Joshua Palmer
- ✓ Stormwater Coordinator - Joe Marencik

Departures

- ✓ Engineer Technician
- ✓ Engineer III
- ✓ Inspector II

El Paso County
Highway Advisory Commission
2021 Road Maintenance Program

Troy Wiitala
Highway Manager

Jennifer Irvine
County Engineer

EL PASO COUNTY
COLORADO

20 January 2021

2021 Maintenance Overview

Background

Paving Program

Graveling Program

Chip Sealing Program

Dust Abatement Program

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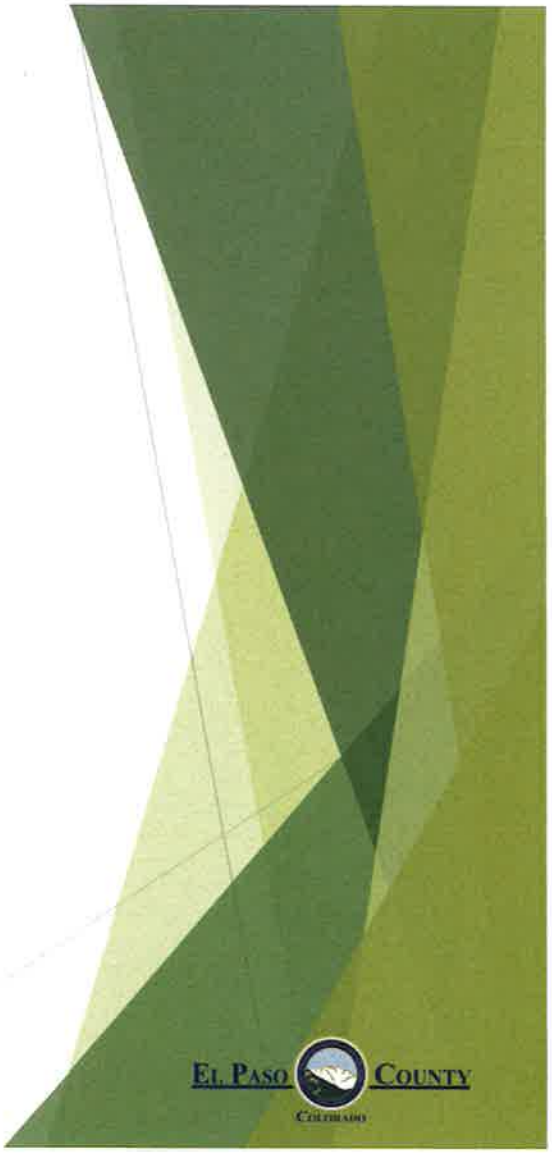
EPC Road System

- Paved road system
  - 1,162 centerline miles
  - 2,377 lane miles
- Gravel road system
  - 1,052 centerline miles
  - 2,104 lane miles



Pavement Maintenance

- OBJECTIVES
  - Preserve and extend life of paved roads
  - Maintain current roadway operations
- WORK INVOLVED
  - No change to geometry
  - Repair/replacement of surface materials

El Paso County
Colorado

Review Process

- Start with a $10 million fiscal constraint
- Committee reviews road segments and removes segments as necessary
  - Proposed capital projects
  - Proposed development
  - Proposed utilities
- Committee creates logical segments; adding and removing segments as necessary
- Inspect roads to verify rehabilitation; adding and removing as necessary
- Select the most cost effective roads within the budget, typically around $4 million
- Finalize Draft List
- Highway Advisory Commission review and endorsement
- Board of County Commissioner's resolution

El Paso County
Colorado

2020/2021 Program Summaries

- Graveling Program
  - 2020 Completed: 15.44 lane miles
  - 2021 Planned: 29.38 lane miles
- Dust Abatement Program
  - 2020 Completed: 135.4 lane miles
  - 2021 Planned: 227.23 lane miles
- Chip Seal Program
  - 2020 Completed: 75.58 lane miles
  - 2021 Planned: 66.57 lane miles
- Asphalt Overlay Program
  - 2020 Completed: 81.22 lane miles
  - 2021 Planned: 53.73 lane miles

El Paso County
Colorado

Questions

EL PASO COUNTY
COLORADO

2021 Dust Abatement

Road Name	From	To	Length
Handle Rd	Ellicott Rd E	Calhan Hwy	6.00
Sanborn Road	Baggett Road	Ellicott Hwy	2.00
Simla Hwy	County Line	Alford Road	4.00
Boca Raton	Indian Village	End of County Maint	0.47
Indian Village (Add 2" gravel)	Boca Raton	Armadillo Hts (School)	1.44
Indian Village (Add 2" gravel)	Calle Pacifico Pt	2nd Boca Raton Hgts	3.50
Franceville Coal Mine	Highway 94	1.2 miles South	1.00
Dodge Rd	Garrett Rd	Dodge Circle	1.00
Black Forest Rd	North County Line Rd	Walker Rd	2.41
Walker Rd	Black Forest	Campbell Rd.	1.50
Campbell Rd	Walker North	White Antelope	0.80
Elk Creek Dr	County Line	County Line Rd	2.00
Beacon Lite (T.S.)	Wakonda	County Line	1.06
Teachout rd.	Burges	McFerran Rd.	0.54
Baker Rd	Black Forest Rd	Kurie Rd	0.56
Tobin Rd	Black Forest Rd	Thomas Rd	0.90
McFerran Rd	Black Forest Rd East	Hungate Rd	0.50
Appaloosa Rd	Hwy 105	Saddlewood Dr	0.92
Saddlewood Dr	Canteberry Rd	Sahara Rd	1.71
Shahara Rd	Rollercoaster	Higby Rd	0.97
Spanish Bit	Struthers Loop	Struthers Rd	0.28
Lariat Lane	Leather Chaps	547 ft SELY	0.10
Leather Chaps	Baptist	Struthers Loop	0.35
Struthers Loop	Spanish Bit Dr	Spanish Bit Dr	1.05
Antelope Dr	Golden Eagle	McDaniels Rd	0.80
Log Road	Highway 94	McDaniels Rd	1.00
East Ellicott Rd	Handle	Sanborn	2.00
Harrisville Rd	Blasingame Rd	Ramah Hwy	2.00
Sweet Rd	Peyton Hwy	Warriors Path	2.75
Hopper Road	Elbert Hwy	Bradshaw	3.00
Pinon Park Rd	Saddle Blanket Ln	Hopper	1.10
West Spencer Rd	Elbert	Mckessick Rd	1.00
Oasis Rd	Sphinx Ct	Around Circle to Oasis	2.90
Sphinx Ct	Falcon Hwy	End	0.10
Bar 10 way	Ellicott Hwy	Bar 10 Rd.	1.00
Rampart Range Rd. (T.S.)	Loy Creek	Campground	1.00
Davis Rd	Hoofbeat	Blaney Rd	0.60
Hoofbeat Rd	Blaney Rd South	Davis	1.00
Gymkhana Rd	Stockman	South to CDS	1.71
Sagecreek Rd	Falcon Hwy	CDS	1.37
Blaney Rd	Davis	Hwy 94	2.00
South Blaney Rd	Hoofbeat	Meridian	1.10
Buckboard Dr.	Falcon Hwy.	Mallard Dr.	0.61
Sage Crest Rd	Rosebud	Rosebud Rd	3.30

(T.S.) = Top Shot

Road Name	From	To	Length
Eastonville Road	End of Pavement	Bent Spur	3.50
Eastonville Road	Hodgen Rd	Evans Rd	2.00
Arrowhead Dr	Howells	Milam Rd	1.00
Howell's Rd South	Old Ranch Rd South	End	1.20
Howell's Rd North	Shoup South	End	0.80
Nursery Rd (T.S.)	Lindbergh Rd	Mt Herman Rd	1.61
Schilling Ave (T.S.)	Nursery Rd	Lindbergh Rd	0.27
Lindbergh Rd (T.S.)	Schilling Rd	Mesa Top Dr	1.03
Doolittle Rd (T.S.)	Mt Herman ELY	Lindbergh Rd	0.50
Peyton Basin (T.S.)	Peyton Hwy	.4 East	0.40
Evans Road	End	End	2.50
Meridian Road	Walker	County Line Road	1.80
Yoder Road	Hwy 94	Big Springs Road	3.00
Wileys Road	End	End	1.63
Stage Stop Road	End	End	1.20
Calhan Hwy South	Hwy 94	Sanborn Road	3.00
Rush Road	Geek Road	Truckton Road	3.00
Enoch Road	Bar 10	Peyton Hwy	3.00
Book Drive	Curtis Road	Peyton Hwy	4.78
Drennan Road	Curtis Road	Ellicott Hwy	9.00
Milne Road	Squirrel Creek Road	Holmen Road	3.00

(T.S.) = Top Shot

2021 Gravel

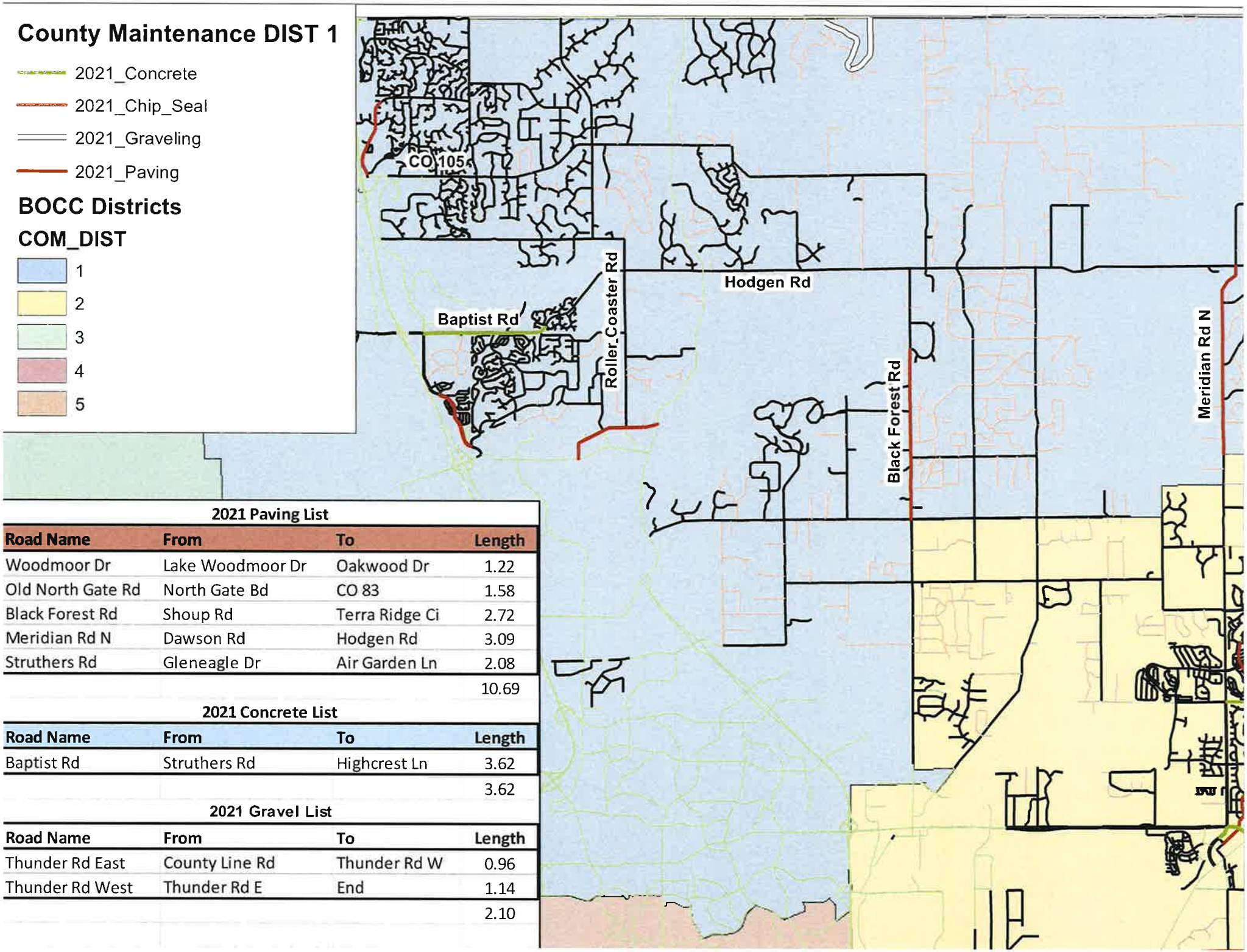
Road Name	From	To	Length
Meridian Road	Hanover Rd	County Line	4.09
Big Springs Road	Ellicott Hwy	Baggett Rd	2.00
Jones Rd	Log Rd	Peyton Hwy	2.00
Meridian Rd South	Bradley Rd	Drennan Rd	1.00
Sanborn Rd	Baggett Rd	Airstrip	2.50
Thunder Rd East	County Line Rd	Thunder Rd W	0.96
Thunder Road West	Thunder Rd E	End	1.14
Ellicott Rd East	Handle Rd	End	3.00

2021 Paving List

Road Name	From	To	Length
Widefield Bd	Fontaine Bd	Harvard St	0.65
Horizonview Dr	CS CL	Flagstone St	0.37
Mc Laughlin Rd	400 ft W of Flower Rd	Tompkins Rd	0.94
Rainbow Bridge Dr	Londonderry Dr	Mt Harvard Dr	0.32
Meridian Ranch Bd	Eastonville Rd	Sunset Crater Rd	2.45
Woodmoor Dr	Lake Woodmoor Dr	Oakwood Dr	1.22
Red Rock Ranch Dr	Forest View Rd	CO 105	1.07
Old North Gate Rd	North Gate Bd	CO 83	1.58
Garrett Rd	Dodge Rd	Curtis Rd	3.95
Black Forest Rd	Shoup Rd	Terra Ridge Ci	2.72
Meridian Rd N	Dawson Rd	Hodgen Rd	3.09
Space Village Av	Peterson Rd	Marksheffel Rd N	1.02
Bradley Rd	Powers Bd	CS CL	1.02
Struthers Rd	Gleneagle Dr	Air Garden Ln	2.08
Curtis Rd	5220' N of Falcon Hwy	Judge Orr Rd	1.05
Stratmoor Dr	Crestridge Av	CS CL	0.27
Murphy Rd	Elbert Rd	Peyton Hwy	2.75

2021 Chip Seal List

Road Name	From	To	Length
ALLGOOD DR	WING WALKER DR	YUCATAN DR	0.14
BARNSTORMERS AV	DAREDEVIL DR	END	0.79
BARNSTORMERS AV (CDS)	END	BARNSTORMERS AVE	0.01
BRADLEY RD	HANCOCK EX	CODY DR	0.96
BRYLIE WY	MARILEE WY	JUSTEAGEN DR	0.20
CALHAN HWY S	JUDGE ORR RD	STATE HWY 94	7.97
CHARRO DR	MILTON E PROBY PY	CRESTA LOMA CI E	0.38
CONNECT RD	JUSTEAGEN DR	SAN MATEO DR	0.05
CUDAHY DR	DANCING SUN WY	GOLDFIELD DR	0.16
DANCING LIGHT WY	DANCING STAR WY	SAN AMELS WY	0.14
DANCING MOON WY	DANCING SUN WY	ESCANABA DR	0.38
DANCING RAIN WY	MARILEE WY	SAN AMELS WY	0.20
DANCING SKY DR	DANCING LIGHT WY	CDS	0.06
DANCING STAR WY	CDS	WHIRLING OAK WY	0.30
DANCING SUN WY	DANCING MOON WY	CUDAHY DRIVE	0.25
DANCING WATER DR	DANCING RAIN WY	WHIRLING OAK WY	0.11
DAREDEVIL DR	END	TAIL WIND DR	0.26
ELLICOTT HWY	STATE HWY 94	DRENNAN RD	5.96
ESCANABA DR	GOLDFIELD DR	PASSING SKY DR	0.25
GAMI WY	CDS	PASSING SKY DR	0.18
GOLDFIELD DR	FONTAINE BD	GRINNELL BD	2.72
GRINNELL BD	FONTAINE BD	BRADLEY RD	3.04
HAITI WY	PASSING SKY DR (N XSECT	PASSING SKY DR (S XSECT)	0.16
HANCOCK EX	CL	BRADLEY RD	1.02
HORSE TOOTH RD	DANCING SUN RD	SAN MATEO DR	0.10
JUSTEAGEN DR	BRYLIE WY	SAN MATEO DR	0.23
KATAHDIN WY	DANCING STAR WY	PASSING SKY DR (S XSECT)	0.28
KEAGSTER DR	MARILEE WY	DANCING STAR WY	0.19
LUCKY LINDY LN	CHARRO DR	RED BARON DR	0.09
MAIN ST	BRADLEY RD	US HWY 85	1.60
MARILEE WY	CDS	WHIRLING OAK WY	0.29
PASSING SKY DR	ESCANABA DR	END	0.72
PASSING SKY DR (CDS)	CDS	PASSING SKY DR	0.01
RED BARON DR	BARNSTORMERS AVE	YUCATAN DR	0.34
SAN AMELS WY	BRYLIE WY	SAN MATEO DR	0.20
SAN MATEO DR	CDS	SIERRA RICA RD	0.80
SANTO DOMINGO DR	END	HORSE TOOTH ROAD	0.13
SIERRA RICA RD	DANCING SUN WY	SAN MATEO ROAD	0.09
SPITFIRE DR	BARNSTORMERS AVE	WING WALKER DR	0.24
SPITFIRE DR (CDS)	SPITFIRE DR	END	0.01
SPOKANE WY	PASSING SKY DR (N XSECT	PASSING SKY DR (S XSECT)	0.19
TAIL WIND DR	BARNSTORMERS AVE	WING WALKER DR	0.33
WAGEMAN DR	BRADLEY RD	GRINNELL BD	0.78
WHIRLING OAK WY	MARILEE WY	SAN MATEO DR	0.20
WING WALKER DR	CHARRO DR	END	0.28



2021 Paving List

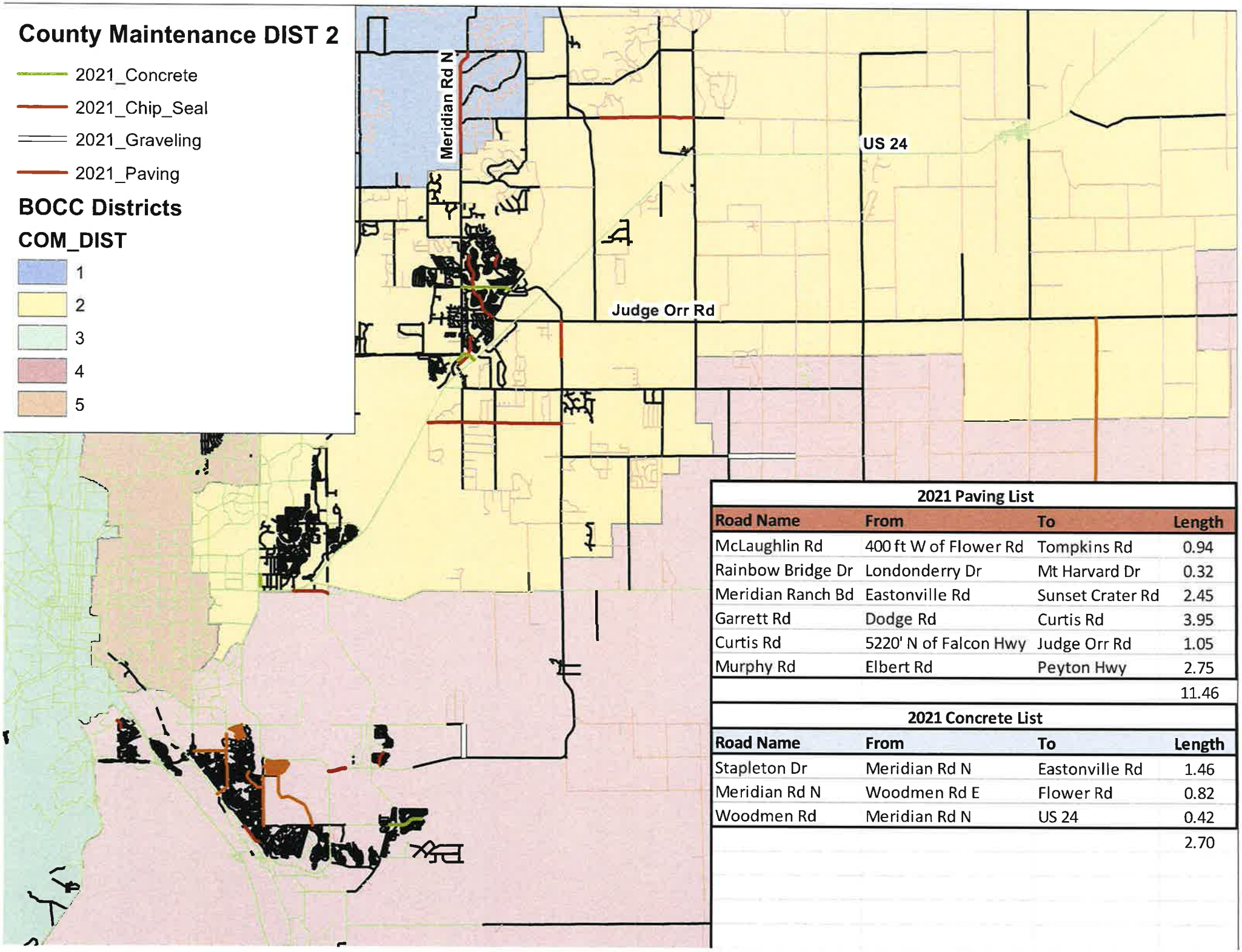
Road Name	From	To	Length
Woodmoor Dr	Lake Woodmoor Dr	Oakwood Dr	1.22
Old North Gate Rd	North Gate Bd	CO 83	1.58
Black Forest Rd	Shoup Rd	Terra Ridge Ci	2.72
Meridian Rd N	Dawson Rd	Hodgen Rd	3.09
Struthers Rd	Gleneagle Dr	Air Garden Ln	2.08
			10.69

2021 Concrete List

Road Name	From	To	Length
Baptist Rd	Struthers Rd	Highcrest Ln	3.62
			3.62

2021 Gravel List

Road Name	From	To	Length
Thunder Rd East	County Line Rd	Thunder Rd W	0.96
Thunder Rd West	Thunder Rd E	End	1.14
			2.10



2021 Paving List

Road Name	From	To	Length
McLaughlin Rd	400 ft W of Flower Rd	Tompkins Rd	0.94
Rainbow Bridge Dr	Londonderry Dr	Mt Harvard Dr	0.32
Meridian Ranch Bd	Eastonville Rd	Sunset Crater Rd	2.45
Garrett Rd	Dodge Rd	Curtis Rd	3.95
Curtis Rd	5220' N of Falcon Hwy	Judge Orr Rd	1.05
Murphy Rd	Elbert Rd	Peyton Hwy	2.75
			11.46

2021 Concrete List

Road Name	From	To	Length
Stapleton Dr	Meridian Rd N	Eastonville Rd	1.46
Meridian Rd N	Woodmen Rd E	Flower Rd	0.82
Woodmen Rd	Meridian Rd N	US 24	0.42
			2.70

County Maintenance DIST 3

- 2021_Concrete
- 2021_Chip_Seal
- 2021_Graveling
- 2021_Paving

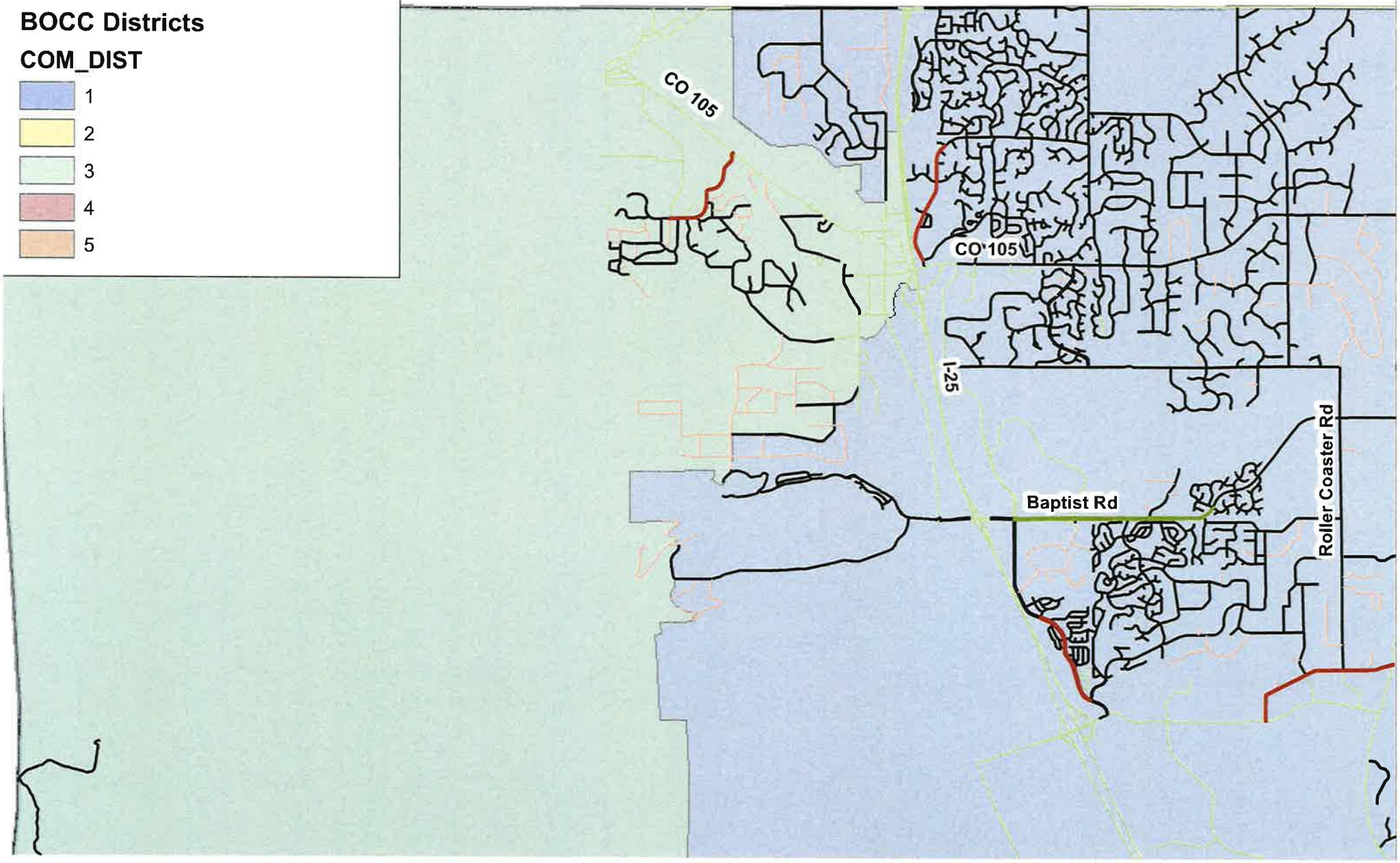
BOCC Districts

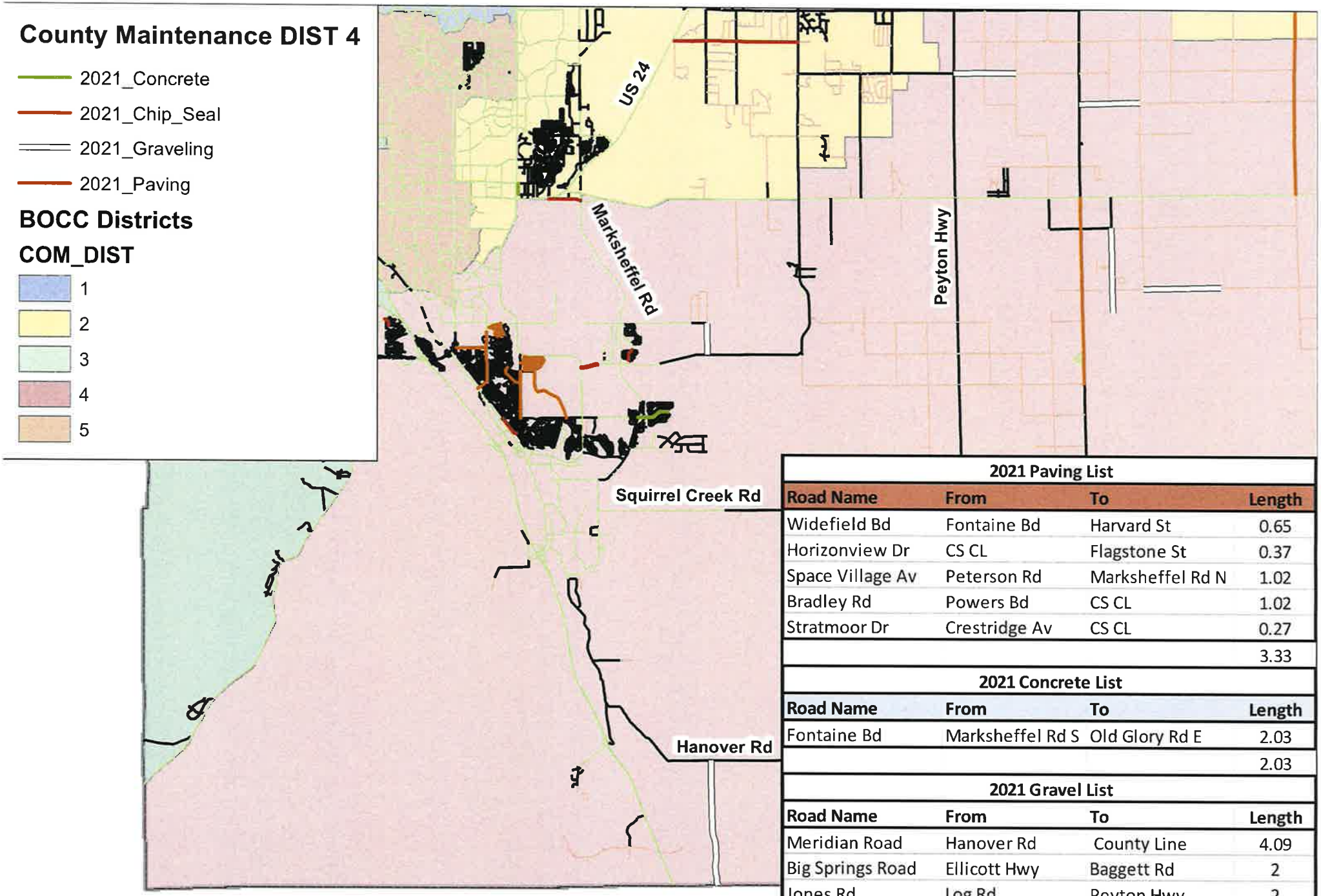
COM_DIST

- 1
- 2
- 3
- 4
- 5

2021 Paving List

Road Name	From	To	Length
Red Rock Ranch Dr	Forest View Rd	CO 105	1.07
			1.07



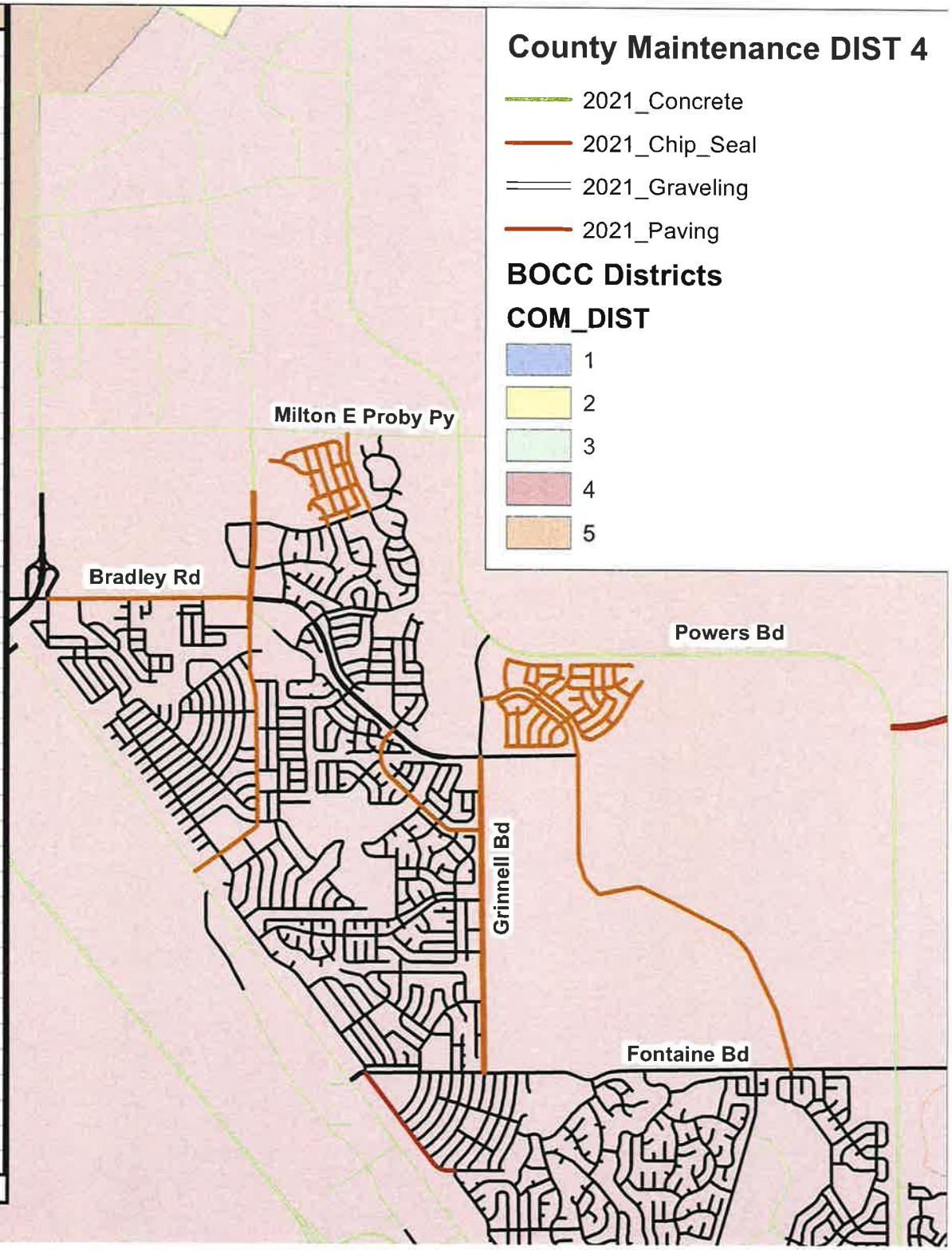


2021 Paving List			
Road Name	**From**	**To**	**Length**
Widefield Bd	Fontaine Bd	Harvard St	0.65
Horizonview Dr	CS CL	Flagstone St	0.37
Space Village Av	Peterson Rd	Marksheffel Rd N	1.02
Bradley Rd	Powers Bd	CS CL	1.02
Stratmoor Dr	Crestridge Av	CS CL	0.27
			3.33

2021 Concrete List			
Road Name	**From**	**To**	**Length**
Fontaine Bd	Marksheffel Rd S	Old Glory Rd E	2.03
			2.03

2021 Gravel List			
Road Name	**From**	**To**	**Length**
Meridian Road	Hanover Rd	County Line	4.09
Big Springs Road	Ellicott Hwy	Baggett Rd	2
Jones Rd	Log Rd	Peyton Hwy	2
Meridian Rd South	Bradley Rd	Drennan Rd	1
Sanborn Rd	Baggett Rd	Airstrip	2.5
Ellicott Rd East	Handle Rd	End	3
			14.59

Street	To	From	Length (mi)
ALLGOOD DR	WING WALKER DR	YUCATAN DR	0.14
BARNSTORMERS AV	DAREDEVIL DR	END	0.79
BARNSTORMERS AV (CDS)	END	BARNSTORMERS AVE	0.01
BRADLEY RD	HANCOCK EX	CODY DR	0.96
BRYLIE WY	MARILEE WY	JUSTEAGEN DR	0.2
CALHAN HWY S	JUDGE ORR RD	STATE HWY 94	7.97
CHARRO DR	MILTON E PROBY PY	CRESTA LOMA CI E	0.38
CONNECT RD	JUSTEAGEN DR	SAN MATEO DR	0.05
CUDAHY DR	DANCING SUN WY	GOLDFIELD DR	0.16
DANCING LIGHT WY	DANCING STAR WY	SAN AMELS WY	0.14
DANCING MOON WY	DANCING SUN WY	ESCANABA DR	0.38
DANCING RAIN WY	MARILEE WY	SAN AMELS WY	0.2
DANCING SKY DR	DANCING LIGHT WY	CDS	0.06
DANCING STAR WY	CDS	WHIRLING OAK WY	0.3
DANCING SUN WY	DANCING MOON WY	CUDAHY DRIVE	0.25
DANCING WATER DR	DANCING RAIN WY	WHIRLING OAK WY	0.11
DAREDEVIL DR	END	TAIL WIND DR	0.26
ELLICOTT HWY	STATE HWY 94	DRENNAN RD	5.96
ESCANABA DR	GOLDFIELD DR	PASSING SKY DR	0.25
GAMI WY	CDS	PASSING SKY DR	0.18
GOLDFIELD DR	FONTAINE BD	GRINNELL BD	2.72
GRINNELL BD	FONTAINE BD	BRADLEY RD	3.04
HAITI WY	PASSING SKY DR (N XSECT)	PASSING SKY DR (S XSECT)	0.16
HANCOCK EX	CL	BRADLEY RD	1.02
HORSE TOOTH RD	DANCING SUN RD	SAN MATEO DR	0.1
JUSTEAGEN DR	BRYLIE WY	SAN MATEO DR	0.23
KATAHDIN WY	DANCING STAR WY	PASSING SKY DR (S XSECT)	0.28
KEAGSTER DR	MARILEE WY	DANCING STAR WY	0.19
LUCKY LINDY LN	CHARRO DR	RED BARON DR	0.09
MAIN ST	BRADLEY RD	US HWY 85	1.6
MARILEE WY	CDS	WHIRLING OAK WY	0.29
PASSING SKY DR	ESCANABA DR	END	0.72
PASSING SKY DR (CDS)	CDS	PASSING SKY DR	0.01
RED BARON DR	BARNSTORMERS AVE	YUCATAN DR	0.34
SAN AMELS WY	BRYLIE WY	SAN MATEO DR	0.2
SAN MATEO DR	CDS	SIERRA RICA RD	0.8
SANTO DOMINGO DR	END	HORSE TOOTH ROAD	0.13
SIERRA RICA RD	DANCING SUN WY	SAN MATEO ROAD	0.09
SPITFIRE DR	BARNSTORMERS AVE	WING WALKER DR	0.24
SPITFIRE DR (CDS)	SPITFIRE DR	END	0.01
SPOKANE WY	PASSING SKY DR (N XSECT)	PASSING SKY DR (S XSECT)	0.19
TAIL WIND DR	BARNSTORMERS AVE	WING WALKER DR	0.33
WAGEMAN DR	BRADLEY RD	GRINNELL BD	0.78
WHIRLING OAK WY	MARILEE WY	SAN MATEO DR	0.2
WING WALKER DR	CHARRO DR	END	0.28
			32.8



Service Request Status

(December 2020)

2/8/2021

SR Type	Open	Cancelled	Completed	Referred other Jurisdictions	Totals
Concrete Repair	4	0	1	1	6
Crack Sealing	0	2	0	0	2
Dead Animal Removal	0	4	16	2	22
Drainage Maintenance	3	1	2	1	7
Dumping / Trash Removal	1	0	19	0	20
Grading / Gravel Repair	9	29	17	0	55
Guard Rails	0	0	2	0	2
Median / Right of Way Maintenance	6	0	0	1	7
Pothole	0	5	9	3	17
Road Painting / Striping	1	0	0	1	2
Shoulder Maintenance	3	0	1	0	4
Snow and Ice Control	0	1	19	2	22
Street Lights	2	1	0	0	3
Street Signage	28	2	27	3	60
Street Sweeping	0	0	1	0	1
Traffic Signals	1	1	3	3	8
Tree Trimming / Removal	6	2	0	1	9
Totals:	64	48	117	18	247

Customer Service Survey Report December 2020

Service requests Completed	1389	
Surveys Returned	110	

1.) Overall safisfaction of El Paso County Department of Public Works

No Reply	0	0%
Extremely dissatisfied	36	33%
Moderately dissatisfied	9	8%
Extremely satisfied	65	59%
Grand Total	110	100%

2.) Rate the quality of work that was performed

No Reply	1	1%
Extremely dissatisfied	33	30%
Moderately dissatisfied	15	14%
Extremely satisfied	61	55%
Grand Total	110	100%

3.) Was customer service representative helpful

No Reply	25	23%
Extremely helpful	51	46%
Not at all helpful	34	31%
Grand Total	110	100%

2020 Customer Service Requests

SR Type	In Progress	Cancelled	Closed	Referred	Total Count
Concrete Repair	92	26	110	28	256
Crack Sealing	78	16	31	20	145
Dead Animal Removal	14	31	259	39	343
Drainage Maintenance	51	45	177	15	288
Dumping / Trash Removal	20	18	300	29	367
Grading / Gravel Repair	85	289	470	27	871
Guard Rails	3	3	12	1	19
Median / Right of Way Maintenance	39	21	28	9	97
Mowing	9	6	27	5	47
Personal Property Damage	5	1	13	3	22
Pothole	45	218	620	139	1022
Road Painting / Striping	11	7	15	9	42
Shoulder Maintenance	16	15	33	7	71
Snow and Ice Control	1	16	137	9	163
Street Lights	3	13	3	14	33
Street Signage	147	42	389	40	618
Street Sweeping	0	6	87	9	102
Traffic Signals	28	11	72	49	160
Tree Trimming / Removal	35	15	112	12	174
Washout	10	9	29	1	49
Total	**694**	**808**	**2938**	**534**	**4974**

Survey Comments
(December 2020)

2/8/2021

Road Name	Date of Survey	Customers Comments
Satisfied		
Diamond dr. / Pothole repair	12/28/2020	We appreicate your prompt attention. Thank you and Happy New Year.
Ellicott Rd. / Grading	12/3/2020	This road, Ellicott Rd. needs to be place at the top of roads that need paved. The County is wasting time and resources just grading it. You need to start with road base than asphalt. There are heavy trucks using this road and current conditions no longer are ample to maintain it.
Cleveland Ct. / Mowing	12/1/2020	Thank you for your prompt attention to this matter. I'm hoping in the future this will continue to be taken care of before kids go to school as the overgrowth blocks the pedestrian path to oncoming cars.
Lodgepole Way / Pothole end of Driveway	12/1/2020	I'm happy my driveway was fixed. It would have been nice to have some communication letting us know when it would happen. Not a big deal, but it was a surprise when I saw the was done.
Dissatisfied		
Milne Rd. / Grading	12/28/2020	Did the other repair contain removal and replacement of the deteriorated road base, and compaction to meet the Higher existing road count.