

Appendix A
El Paso County Major Corridors Plan Update
2040 MTCP Roadway Improvements
August 24, 2011

County (Off-System) Road Capacity Improvements - New Roads and Widening

Map ID	Corridor	From	To	Length within EPC (miles)	Existing				2040				MTCP Unit Costs			Fee Program Unit Costs				
					Lanes	Existing Cross-Section	Existing Volume (2-way ADT)	Existing Level of Service (LOS)	Percent Through Trips	Lanes	2040 MTCP Functional Classification	2040 Traffic Volume (2-way ADT)	Future LOS with Project	Percent Through Trips	Total MTCP Costs (Improvement length times full MTCP unit costs)	Fee Program (Non-Thru Trips or Existing Deficiencies)	El Paso County / CDOT Costs (Thru Trips + Existing Deficiencies)	Total Fee Program Costs (Roadway, Intersections and Signals)	Fee Program Cost (Non-Thru Trips or Existing Deficiencies)	El Paso County / CDOT Costs (Thru Trips + Existing Deficiencies)
6	Stapleton Rd	Black Forest Rd	Towner Ave	4.9						4	Principal Arterial	25,035	C	1%	\$24,272,568	\$24,099,929	\$172,638	\$12,302,163	\$12,214,664	\$87,499
7	Stapleton Rd	Meridian Ranch Blvd	Eastonville Rd	1.2						4	Principal Arterial	9,289	A	2%	\$5,782,427	\$5,689,412	\$93,015	\$3,047,558	\$2,998,535	\$49,022
8	Stapleton Rd	US-24	Judge Orr Rd	1.1						2	Principal Arterial	6,902	A	0%	\$2,959,781	\$2,959,781	\$0	\$2,120,979	\$2,120,979	\$0
10	Stapleton Rd	Towner Ave	Meridian Ranch Blvd	0.8	2	Collector	4,577	0	2%	4	Principal Arterial	18,759	B	1%	\$3,936,131	\$3,913,365	\$22,766	\$2,226,401	\$2,213,523	\$12,877
9	Banning Lewis Parkway	Stapleton	Woodmen Rd	1.5						4	Principal Arterial	21,011	B	0%	\$7,519,882	\$7,519,882	\$0	\$3,941,622	\$3,941,622	\$0
38	Meridian Rd	Bradley Rd	Mesa Ridge Pkwy	3.5						2	Minor Arterial	7,045	A	0%	\$7,854,090	\$7,854,090	\$0	\$6,341,148	\$6,341,148	\$0
12	Garrett Rd	US-24	Meridian Rd	1.1	2	Minor Arterial	4,590	A	0%	4	Minor Arterial	17,975	B	0%	\$5,414,977	\$5,414,977	\$0	\$2,871,692	\$2,871,692	\$0
13	Constitution Ave	Powers	US-24	2.5	4	Principal Arterial	15,813	A	22%	6	Principal Arterial	40,738	C	33%	\$18,009,630	\$10,886,572	\$7,123,058	\$9,746,220	\$5,891,455	\$3,854,765
16	Marksheffel Rd	North of Fontaine Blvd	Link Rd	2.7	2	Minor Arterial	7,893	A	33%	4	Expressway	23,123	A	27%	\$18,545,365	\$14,060,034	\$4,485,330	\$7,851,249	\$5,952,368	\$1,898,881
21	Walker Rd	Woodmoor Rd	State Hwy 83	3.0	2	Minor Arterial	8,844	B	1%	4	Principal Arterial	16,756	A	2%	\$14,950,741	\$14,618,791	\$331,950	\$8,463,189	\$8,275,282	\$187,907
22	Bradley Rd	Academy Rd	Hancock Expy	1.0	2	Minor Arterial	7,441	A	0%	4	Principal Arterial	19,826	B	11%	\$5,135,432	\$4,272,405	\$863,027	\$2,800,399	\$2,329,782	\$470,616
23	Bradley Rd	Grinnell Blvd	Powers Blvd	2.1	2	Minor Arterial	2,549	A	30%	4	Principal Arterial	13,725	A	15%	\$10,522,453	\$9,241,469	\$1,280,985	\$5,378,685	\$4,723,894	\$654,791
25	Mesa Ridge Pkwy	Powers Blvd	Marksheffel Rd	0.7						4	Principal Arterial	27,328	C	0%	\$3,710,281	\$3,697,263	\$13,019	\$1,947,043	\$1,940,212	\$6,832
27	Vollmer Rd	Black Forest Rd	Stapleton Rd	1.6	2	Minor Arterial	6,374	A	0%	4	Minor Arterial	17,319	B	0%	\$5,200,046	\$5,196,531	\$3,515	\$4,133,891	\$4,131,097	\$2,794
28	Banning Lewis Parkway	Dublin Rd	Woodmen Rd	1.0						4	Expressway	22,555	A	0%	\$6,547,996	\$6,547,996	\$0	\$2,856,432	\$2,856,432	\$0
29	Grinnell Blvd	Bradley Rd	Powers Blvd	0.6	2	Minor Arterial	17,504	F	28%	4	Minor Arterial	19,066	B	35%	\$1,930,223	\$0	\$1,930,223	\$1,573,755	\$0	\$1,573,755
30	New Meridian Rd (Intersection Improvements at US-24)	US-24	McLaughlin Rd	0.4	2	Minor Arterial	15,579	E	0%	4	Principal Arterial	15,400	A	0%	\$3,600,000	\$3,600,000	\$0	\$1,722,999	\$1,722,999	\$0
33	S-Curve at Falcon Hwy	Falcon Hwy	Peton Hwy	2.1						2	Minor Arterial	2,011	A	2%	\$4,695,561	\$4,618,898	\$76,662	\$3,442,831	\$3,386,621	\$56,209
34	Marksheffel Rd North	Woodmen Rd	Research Pkwy	1.7						4	Principal Arterial	22,051	B	31%	\$8,497,268	\$5,863,730	\$2,633,538	\$4,751,935	\$3,279,179	\$1,472,756
35	Woodmen	Marksheffel Rd	Mohawk Dr	0.9	4	Expressway	33,575	C	2%	6	Expressway	47,903	C	19%	\$8,938,887	\$3,488,754	\$5,450,133	\$3,209,409	\$1,252,599	\$1,956,810
36	Academy Blvd	B-Street	US-85	1.5	4	Expressway	26,151	B	51%	6	Expressway	33,505	A	39%	\$20,000,000	\$20,000,000	\$0	\$6,906,053	\$6,906,053	\$0
37	Marksheffel Rd	North of Carefree Cir	Stetson Hills Blvd	1.2	2	Principal Arterial	14,540	C	40%	4	Principal Arterial	8,017	A	29%	\$5,784,982	\$5,784,982	\$0	\$3,266,306	\$3,266,306	\$0
39	Peaceful Valley Rd	Marksheffel Rd	Meridian Rd	2.6						2	Minor Arterial	57	A	0%	\$5,771,533	\$5,771,533	\$0	\$4,294,244	\$4,294,244	\$0
40	Fontaine Blvd	Current Terminus	Meridian Rd	1.2						2	Principal Arterial	17,051	D	0%	\$5,860,367	\$5,860,367	\$0	\$2,929,834	\$2,929,834	\$0
41	Meridian Rd	Stapleton Rd	Rex Rd	1.0	2	Minor Arterial	11,992	C	0%	4	Minor Arterial	18,532	B	0%	\$3,139,355	\$3,139,355	\$0	\$2,311,585	\$2,311,585	\$0
42	Meridian Rd	US-24	Existing Meridian Rd	0.2						2	Minor Arterial	5,279	A	0%	\$400,000	\$400,000	\$0	\$293,284	\$293,284	\$0
43	Log Rd	State Hwy 94	Drennan Rd	6.0						2	Collector	3,261	A	0%	\$13,547,210	\$13,547,210	\$0	\$10,182,947	\$10,182,947	\$0

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Rural County Road Upgrades

Map ID	Corridor	From	To	Length within EPC (miles)	Existing				2040				MTCP Unit Costs			Fee Program Unit Costs				
					Lanes	Existing Cross-Section	Existing Volume (2-way ADT)	Existing Level of Service (LOS)	Percent Through Trips	Lanes	2040 MTCP Functional Classification	2040 Traffic Volume (2-way ADT)	Future LOS with Project	Percent Through Trips	Total MTCP Costs (Improvement length times full MTCP unit costs)	Fee Program (Non-Thru Trips or Existing Deficiencies)	El Paso County / CDOT Costs (Thru Trips + Existing Deficiencies)	Total Fee Program Costs (Roadway, Intersections and Signals)	Fee Program Cost (Non-Thru Trips or Existing Deficiencies)	El Paso County / CDOT Costs (Thru Trips + Existing Deficiencies)
501	County Line Road	I-25	State Hwy 83	5.2	2	Unimproved County Rd	3,451	0	20%	2	Minor Arterial	13,104	D	12%	\$5,192,955	\$4,711,926	\$481,029	\$5,192,955	\$4,711,926	\$481,029
502	Walker Rd	Stepler Rd	Black Forest Rd	4.4	2	Unimproved County Rd	1,251	0	1%	2	Collector	6,204	B	1%	\$4,367,586	\$4,316,553	\$51,033	\$4,367,586	\$4,316,553	\$51,033
505	Burgess Rd	Vollmer Rd	Rex Rd	6.0	2	Unimproved County Rd	2,742	0	0%	2	Collector	8,136	C	1%	\$6,031,163	\$5,951,320	\$79,842	\$6,031,163	\$5,951,320	\$79,842
510	Fontaine Blvd	Grinnell Blvd	Powers Blvd	2.0	2	Unimproved County Rd	5,457	0	14%	2	Principal Arterial	12,933	B	18%	\$1,958,650	\$1,542,467	\$416,183	\$1,958,650	\$1,542,467	\$416,183
512	Black Forest Rd	Stapelton Rd	Wildridge Rd	7.6	2	Unimproved County Rd	3,997	0	1%	2	Minor Arterial	6,417	A	6%	\$7,585,896	\$6,637,226	\$948,670	\$7,585,896	\$6,637,226	\$948,670
513	Meridian Rd	Rex Rd	Hodgen Rd	5.6	2	Unimproved County Rd	5,999	0	3%	2	Minor Arterial	10,942	C	2%	\$5,613,093	\$5,594,135	\$18,959	\$5,613,093	\$5,594,135	\$18,959
517	Slocum Rd	Jones Rd	State Hwy 94	4.0	2	Unimproved County Rd	1,326	0	0%	2	Collector	5,175	A	0%	\$3,983,281	\$3,983,281	\$0	\$3,983,281	\$3,983,281	\$0
520	Old Pubelo Rd	Link Rd	I-25	5.8	2	Unimproved County Rd	1,282	0	2%	2	Collector	7,365	B	0%	\$5,810,715	\$5,803,800	\$6,916	\$5,810,715	\$5,803,800	\$6,916
523	Garrett Rd	Meridian Rd	Curtis Rd	2.9	2	Unimproved County Rd	1,652	0	0%	2	Minor Arterial	11,291	C	0%	\$2,943,454	\$2,943,454	\$0	\$2,943,454	\$2,943,454	\$0
524	Old Ranch Rd	State Hwy 83	Otero Ave	0.6	2	Unimproved County Rd	2,540	0	48%	2	Minor Arterial	10,840	C	39%	\$593,339	\$381,177	\$212,161	\$593,339	\$381,177	\$212,161
525	Peyton Hwy	State Hwy 94	Drennan Rd	6.0	2	Unimproved County Rd	1,041	0	3%	2	Minor Arterial	8,315	B	7%	\$5,992,223	\$5,535,958	\$456,265	\$5,992,223	\$5,535,958	\$456,265
526	Ellicott Hwy	State Hwy 94	Sanborn Rd	3.0	2	Unimproved County Rd	1,867	0	0%	2	Minor Arterial	11,496	C	0%	\$2,972,311	\$2,972,311	\$0	\$2,972,311	\$2,972,311	\$0
527	Shoup Rd	State Hwy 83	Vollmer Rd	6.1	2	Unimproved County Rd	3,750	0	0%	2	Minor Arterial	12,838	D	2%	\$6,125,659	\$5,963,727	\$161,932	\$6,125,659	\$5,963,727	\$161,932
528	Murphy Rd	Meridian Rd	East of Peyton Hwy	7.9	2	Unimproved County Rd	1,942	0	11%	2	Minor Arterial	7,173	A	5%	\$7,897,800	\$7,725,611	\$172,188	\$7,897,800	\$7,725,611	\$172,188
531	Hay Creek Rd	Tapadero Rd	Old Denver Rd	2.5	2	Unimproved County Rd	3,301	0	0%	2	Collector	8,076	C	0%	\$2,485,661	\$2,485,661	\$0	\$2,485,661	\$2,485,661	\$0
533	Vollmer Rd	Stapelton Rd	Burgess Rd	2.0	2	Unimproved County Rd	4,836	0	0%	2	Minor Arterial	14,683	E	0%	\$1,958,159	\$1,953,839	\$4,320	\$1,958,159	\$1,953,839	\$4,320
534	Vollmer Rd	Burgess Rd	Hodgen Rd	5.0	2	Unimproved County Rd	2,068	0	0%	2	Minor Arterial	9,770	B	0%	\$5,020,154	\$5,015,231	\$4,923	\$5,020,154	\$5,015,231	\$4,923
535	Ayer Rd	Burgess Rd	Meridian Rd	1.5	2	Unimproved County Rd	2,033	0	0%	2	Collector	10,805	E	0%	\$1,486,953	\$1,482,519	\$4,435	\$1,486,953	\$1,482,519	\$4,435
536	S Blaney Rd/ Hoofbeat/Davis	Curtis Rd	Meridian Rd	3.9	2	Unimproved County Rd	927	0	0%	2	Collector	7,647	B	0%	\$3,872,579	\$3,872,579	\$0	\$3,872,579	\$3,872,579	\$0
537	Curtis Rd	Judge Orr Rd	State Hwy 94	8.0	2	Unimproved County Rd	2,102	0	0%	2	Principal Arterial	6,645	A	0%	\$8,023,554	\$8,023,554	\$0	\$8,023,554	\$8,023,554	\$0
538	Bradshaw Rd	Murphy Rd	US 24	1.8	2	Unimproved County Rd	4,326	0	7%	2	Collector	8,117	C	4%	\$1,838,301	\$1,838,301	\$0	\$1,838,301	\$1,838,301	\$0
540	Jones Rd	Curtis Rd	Slocum Rd	2.0	2	Unimproved County Rd	823	0	0%	2	Minor Arterial	7,153	A	0%	\$1,994,464	\$1,994,464	\$0	\$1,994,464	\$1,994,464	\$0
542	Hanover Rd	Meridian Rd	Old Pubelo Rd	4.2	2	Unimproved County Rd	895	0	4%	2	Collector	6,254	B	1%	\$4,185,263	\$4,171,299	\$13,964	\$4,185,263	\$4,171,299	\$13,964
543	Eastonville Rd	Snaffle Bit Rd	Stapelton Rd	0.7	2	Unimproved County Rd	82	0	0%	2	Minor Arterial	594	A	0%	\$675,198	\$675,198	\$0	\$675,198	\$675,198	\$0
544	Beacon Lite Rd	SH 105	County Line Rd	2.1	2	Unimproved County Rd	2,822	0	0%	2	Collector	7,191	B	0%	\$2,075,652	\$2,075,652	\$0	\$2,075,652	\$2,075,652	\$0
545	Hodgen Rd	Black Forest Rd	Eastonville Rd	6.7	2	Unimproved County Rd	4,117	0	6%	2	Minor Arterial	13,702	D	2%	\$6,715,827	\$6,684,442	\$31,385	\$6,715,827	\$6,684,442	\$31,385
546	Fontaine Blvd	Powers Blvd	Marksheffel Rd	0.7	2	Unimproved County Rd	1,541	0	0%	2	Minor Arterial	13,210	D	0%	\$683,862	\$683,862	\$0	\$683,862	\$683,862	\$0
547	Meridian Rd	New Meridian Connection	Falcon Hwy	0.3	2	Unimproved County Rd	8,292	0	0%	2	Minor Arterial	5,279	A	0%	\$270,387	\$270,387	\$0	\$270,387	\$270,387	\$0
548	Eastonville Rd	South of Stapelton Rd	Woodmen Rd	1.4	2	Unimproved County Rd	4,089	0	0%	2	Minor Arterial	6,304	A	0%	\$1,379,311	\$1,379,311	\$0	\$1,379,311	\$1,379,311	\$0
549	Judge Orr Rd	US-24	Peyton Hwy	5.4	2	Unimproved County Rd	1,580	0	0%	2	Minor Arterial	9,680	B	0%	\$5,371,537	\$5,371,537	\$0	\$5,371,537	\$5,371,537	\$0
550	Falcon Hwy	Meridian Rd	Peyton Hwy	8.5	2	Unimproved County Rd	4,995	0	0%	2	Minor Arterial	11,360	C	0%	\$8,457,156	\$8,457,156	\$0	\$8,457,156	\$8,457,156	\$0

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2040 MTCP Roadway Improvements
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Gravel Road Paving Improvements

Map ID	Corridor	From	To	Length within EPC (miles)	Existing				2040				MTCP Unit Costs			Fee Program Unit Costs				
					Lanes	Existing Cross-Section	Existing Volume (2-way ADT)	Existing Level of Service (LOS)	Percent Through Trips	Lanes	2040 MTCP Functional Classification	2040 Traffic Volume (2-way ADT)	Future LOS with Project	Percent Through Trips	Total MTCP Costs (Improvement length times full MTCP unit costs)	Fee Program (Non-Thru Trips or Existing Deficiencies)	El Paso County / CDOT Costs (Thru Trips + Existing Deficiencies)	Total Fee Program Costs (Roadway, Intersections and Signals)	Fee Program Cost (Non-Thru Trips or Existing Deficiencies)	El Paso County / CDOT Costs (Thru Trips + Existing Deficiencies)
601	Walker Rd	Black Forest Rd	Elbert Rd	8.6	2	Gravel Roads	965	0	2%	2	Collector	3,915	0	5%	\$2,585,028	\$2,099,690	\$485,339	\$2,585,028	\$2,099,690	\$485,339
602	Hopper Rd	Elbert Rd	Bradshaw Rd	2.9	2	Gravel Roads	388	0	0%	2	Collector	2,606	0	7%	\$868,945	\$802,323	\$66,621	\$868,945	\$802,323	\$66,621
603	Sweet Rd	Peyton Hwy	Ellicott Hwy	5.0	2	Gravel Roads	362	0	0%	2	Collector	1,872	0	0%	\$1,491,212	\$1,491,212	\$0	\$1,491,212	\$1,491,212	\$0
604	Murphy Rd	Wagon Trl	Ellicott Hwy	4.0	2	Gravel Roads	245	0	0%	2	Collector	1,077	0	0%	\$1,213,896	\$1,213,896	\$0	\$1,213,896	\$1,213,896	\$0
605	Latigo Blvd	Eastonville Rd	Elbert Rd	1.6	2	Gravel Roads	112	0	0%	2	Collector	1,094	0	0%	\$480,153	\$480,153	\$0	\$480,153	\$480,153	\$0
606	Soap Weed Rd	US 24	2 Miles North of Judge Orr Rd	1.0	2	Gravel Roads	320	0	0%	2	Collector	940	0	3%	\$296,625	\$281,635	\$14,991	\$296,625	\$281,635	\$14,991
607	Ramah Hwy	US 24	State Hwy 94	19.9	2	Gravel Roads	201	0	8%	2	Collector	643	0	7%	\$5,965,007	\$5,564,247	\$400,761	\$5,965,007	\$5,564,247	\$400,761
610	Log Rd	Judge Orr Rd	State Hwy 94	8.9	2	Gravel Roads	282	0	0%	2	Collector	4,246	0	0%	\$2,684,000	\$2,675,955	\$8,044	\$2,684,000	\$2,675,955	\$8,044
611	Big Springs Rd	Ellicott Hwy	Calhan Hwy	6.9	2	Gravel Roads	169	0	0%	2	Collector	2,081	0	1%	\$2,068,390	\$2,051,979	\$16,412	\$2,068,390	\$2,051,979	\$16,412
612	Jones Rd	Peyton Hwy	Ellicott Hwy	4.0	2	Gravel Roads	18	0	0%	2	Collector	3,744	0	0%	\$1,198,990	\$1,198,990	\$0	\$1,198,990	\$1,198,990	\$0
613	Drennan Rd	Curtis Rd	Ellicott Hwy	10.1	2	Gravel Roads	524	0	0%	2	Minor Arterial	3,407	0	0%	\$3,034,141	\$3,009,216	\$24,925	\$3,034,141	\$3,009,216	\$24,925
614	Ellicott Hwy	Squirrel Creek Rd	Myers Rd	8.7	2	Gravel Roads	316	0	0%	2	Collector	870	0	0%	\$2,603,599	\$2,603,599	\$0	\$2,603,599	\$2,603,599	\$0
615	Eastonville Rd	Stapelton Rd	North of Latigo Blvd	4.3	2	Gravel Roads	208	0	0%	2	Minor Arterial	2,152	0	0%	\$1,299,211	\$1,299,211	\$0	\$1,299,211	\$1,299,211	\$0
616	Harrisville Rd	Blasingame Rd	Ramah Hwy	2.0	2	Gravel Roads	973	0	0%	2	Collector	1,898	0	0%	\$602,027	\$398,452	\$203,575	\$602,027	\$398,452	\$203,575

State / CDOT On-System Road Capacity Improvements - New Roads and Widening

17	Powers Blvd Ext (south)	Mesa Ridge Pkwy	Squirrel Creek Rd	1.5	0	0	6,260	0	32%	4	Principal Arterial	38,464	F	12%	\$7,329,767	\$6,696,196	\$633,571	\$3,781,610	\$3,454,735	\$326,875
18	Powers Blvd Ext (south)	Squirrel Creek Rd	New Powers Extension	3.3	0	0	1,472	0	21%	2	Principal Arterial	11,761	B	18%	\$8,782,445	\$7,190,817	\$1,591,629	\$5,491,191	\$4,496,031	\$995,160
19	Powers Blvd Ext (south)	New Powers Extension	I-25	4.1	0	0	3,260	0	21%	2	Principal Arterial	16,013	D	19%	\$11,113,014	\$9,049,441	\$2,063,572	\$6,915,200	\$5,631,118	\$1,284,081
44	US-24	State Highway 94	Powers Blvd	1.4	4	Expressway	28,597	B	22%	6	Expressway	49,297	C	33%	\$10,220,000	\$5,137,277	\$5,082,723	\$5,758,902	\$2,894,821	\$2,864,080
103	US-24	Elbert Rd	Calhan Hwy	13.5	2	Principal Arterial	10,155	A	21%	4	Principal Arterial	20,428	B	13%	\$67,514,350	\$63,464,692	\$4,049,658	\$30,142,443	\$28,334,433	\$1,808,010
104	US-24	State Highway 94	Woodmen Rd	4.4	4	Expressway	22,120	A	10%	6	Expressway	47,349	C	18%	\$32,372,748	\$24,279,990	\$8,092,758	\$16,246,923	\$12,185,407	\$4,061,516
105	State Hwy 94	Marksheffel Rd	Slocum Rd	6.1	4	Expressway	15,909	A	4%	6	Expressway	39,563	B	9%	\$44,612,052	\$39,043,667	\$5,568,385	\$21,518,688	\$18,832,770	\$2,685,918
106	State Hwy 94	Slocum Rd	Ellicott Hwy	7.0	2	Principal Arterial	9,091	A	4%	4	Principal Arterial	28,611	D	4%	\$34,979,915	\$33,498,005	\$1,481,910	\$15,446,547	\$14,792,161	\$654,387