El Paso/Santa Teresa – Chihuahua Border Master Plan

Appendix F
Ranking Spreadsheets

El Paso / Santa Teresa / Chihuahua Border Master Plan - POE Projects Ranking Spreadsheet

| Project Characteristics | | |

| Project Characteristics | | |

El Paso / Santa Teresa / Chihuahua Border Master Plan - Roadway and Interchange Projects Ranking Spreadsheet

| Project Characteristics | | |

El Paso / Santa Teresa / Chihuahua Border Master Plan - Mexico Road and Interchange Projects Ranking Spreadsheet

| Project Characteristics | | |

El Paso / Santa Teresa / Chihuahua Border Master Plan - Rail Projects Ranking Spreadsheet

| Project Characteristics | | | | | | | Congestion / Capacity (33.6%) | | | | | | |

| Project Characteristics | | | | | | | | | Congestion / Capacity (18.6%) | | | | | | | | |

El Paso / Santa Teresa / Chihuahua Border Master Plan - Transit Projects Ranking Spreadsheet

Project Characteristics												Congestion / Capacity (18.4%)															Demand (10%)															
Project Info												1. Final LOS (26.2%)			2. Increase in LOS (42.2%)			3. Congestion Management (31.6%)							Congestion / Capacity Weight	1. Increase in Average Annual Daily Traffic (53.2%)					2. Existing Percentage of Trucks (36.0%)			3. Multiple Mode Demand (10.8%)			Demand Weight
Term	Project ID(s)(A)	County	Reporting Agency	Project Name	Highway	Project Description	Segment From	Segment To	Year Project Becomes Operational	Let Year	Estimated Cost ($2020) in Bil	Pre-LOS	Score	Partial Weight	LOS After Project	Score	Partial Weight	No intersects	Non-Motorized Mobility Improvements	ITS Installation?	Shoulders Available?	Score	Partial Weight		AADT Before Project (2010)	Growth Rate	AADT After Project (2050)	Change in AADT	Score	Partial Weight	Truck AADT / % Truck	Score	Partial Weight	Number of Additional Modes	Score	Partial Weight	
Short Term	EPMPO TH(TU / 07X-01-089	El Paso, TX	San Metro Transit	Bus rapid transit (BRT) on US 180 (Montana Ave.); Montana Corridor Routes: On Montana Ave. at Purdue to Airway(HB)/Vaccuat (HB) to Hawkins to Montana to Tierra Este to E.C. Poe	US 180 (Montana Ave.); Montana Corridor Routes	Bus rapid transit (BRT) on US 180 (Montana Ave.) / Montana Corridor Routes: On Montana Ave. at Purdue to Airway(HB)/Vaccuat (HB) to Hawkins to Montana to Tierra Este to E.C. Poe	On Montana Ave. on Purdue	E. C. Poe @ Edgemere	2016	2015	$ 9,240,800	0	0.75	0.056	0	0	0.00	0.000			Yes	0.75	0.047	0.103	36,779	2.0%	54,440	17,670	1.00	0.060	7.10	1.00	0.061		0.00	0.000	0.121
Short Term	EPMPO TH(N-2	El Paso, TX	San Metro Transit	Bus rapid transit (BRT) system construction.	SH 20	SH 20 (Alameda Ave.): On Santa Fe St. at Fourth Ave. to Jonson/Campbell St., to San Antonio/Magoffin Rd., to Texas/Myrtle St. to Alameda Ave. to Zaragoza St.	Santa Fe St.	Zaragoza St.	2014	2013	$ 8,400,000	-	0.00	0.000			0.00	0.000			Yes	0.75	0.047	0.047		-			0.00	0.000		0.00	0.000		0.00	0.000	0.000
Short Term	EPMPO TH(N / 0001-02-054	El Paso, TX	San Metro Transit	Bus rapid transit (BRT) on SH 20 (Alma St) : On Santa Fe St. at Fourth Ave. to Franklin Ave. to Oregon St., to Glory Rd., to Mesa St. to Remcon Circle	SH 20 (Alma St)	Design and Construction for Rapid Transit System (BS) (This project is Cover in Transit and Highway Project Lists. Using RM FHWA CA75 Funds in FY 2013, $6,130 FHWA CA32, $13,930 FTA 5309, and $1,420M U.S. Funds For Total Of $27 Just Barely started this project.	On Santa Fe St. at Fourth Ave. to Franklin Ave. to Oregon St., to Glory Rd., to Mesa St. to Remcon Circle		2016		$ 6,130,000	-	0.00	0.000			0.00	0.000			Yes	0.75	0.047	0.047		-			0.00	0.000		0.00	0.000		0.00	0.000	0.000
Short Term	EPMPO TO(TC / 0047-02-056	El Paso, TX	San Metro Transit	Bus rapid transit (BRT) on Dyer Corridor Routes : On Santa Fe St. at Fourth Ave. to Dyer Street (BU 54A) to Diana Drive to Wren St.	Dyer Corridor Routes	Design and Construction for ITS/ITS/Signal Prioritization,Channeled Signal Lanes. This project is covered in transit and highway projects lists. Using $9140M FHWA, CA22 Funds, $15,237,088 FTA 5309 and $10,000,276 U.S. funds. ECFG using U.S. funds $222,714 in FY 2012 for total of $35.315M	On Santa Fe St. at Fourth Ave.	Dyer Street (BU 54A) to Diana Drive to Wren St.	2015	2013	$ 9,168,000	-	0.00	0.000			0.00	0.000			Yes	0.75	0.047	0.047		-			0.00	0.000		0.00	0.000		0.00	0.000	0.000
Short Term	EPMPO TH(TD-1	El Paso, TX	San Metro Transit	US 62/180 : Huaco Club Park to Airway Blvd	US 62/180	Preliminary engineering for bus rapid transit (BRT) systems (Major Energies nearby)	Huaco Club Park	Airway Blvd		2015	$ 2,000,000	-	0.00	0.000			0.00	0.000				0.00	0.000	0.000	45,000	-			0.00	0.000	5.10	0.25	0.015		0.00	0.000	0.015

Project Characteristics	Economic Value (8.5%)																																									
Project Info	1. Socio-Economic Impacts (30.4%)					2. Cost Effectiveness (Cost/Capacity Criterion) (30.8%)								3. Cost Effectiveness (Cost/Demand Criterion) (39.4%)								Economic Value Weight	Project Readiness (13.5%)																	
Term	Socio-Economic Impacts	Low Impact	Medium Impact	High Impact	Score	Partial Weight	Estimated Cost ($2012)	Funding / Private	Project Length (mi)	Number of Lanes	Lane-miles	Cost Effectiveness	Score	Partial Weight	Estimated Cost ($2012)	Funding / Private	Change in AADT	Cost Effectiveness	Score	Partial Weight		Ready to Go	Ready in 1 to 3 yr	Ready in 3 to 5 yr	Ready in 5 to 10 yr	Ready in 10 to 20 yr	Ready in more than 20 yr	Project Readiness Weight	Conceptual	Preliminary feasibility	Planning/Programming	All environmental process completed	60% ROW acquired or required	Project Ready to Go	Score	Partial Weight
Short Term			Yes	0.67	0.017	$ 9,240,800		-18.24	0	0		0.00	0.000	$ 9,240,800		17,670	$ 523.42	0.25	0.008	0.025										Yes						0.00	0.000
Short Term			Yes	0.67	0.017	$ 8,400,000		32.8	0	0		0.00	0.000	$ 8,400,000				0.00	0.000	0.017										Yes						0.00	0.000
Short Term			Yes	0.67	0.017	$ 6,130,000		6.62	0	0		0.00	0.000	$ 6,130,000				0.00	0.000	0.017							Yes	1.00	0.101	0.101						0.00	0.000
Short Term			Yes	0.67	0.017	$ 9,168,000		6.62	0	0		0.00	0.000	$ 9,168,000				0.00	0.000	0.017										Yes						0.00	0.000
Short Term				0.00	0.000	$ 2,000,000		9.18	0	0		0.00	0.000	$ 2,000,000				0.00	0.000	0.000																0.00	0.000

Project Characteristics	Safety (6.3%)					Regional Impacts (17.1%)																																				
Project Info	1. Accident Rate per Mile (50.0%)			2. Measures to Improve Safety (50.0%)			1. Geographical Impacts (40.0%)							2. Community Impacts (51.2%)																											
Term	Accident Rate per mile	Score	Partial Weight	Number of measures to improve safety	Score	Partial Weight	Safety Weight	No Impact	Regional Impacts (All modes)	Other regional Impact (All modes)	Bi-Directional Impact (Vehicles)	Bi-Directional Impact (Pedestrians)	Score	Partial Weight	Disaster	Substantial disruption to economic activity	Disruption to economic activity	Community or neighborhood disruption	Disruption to Quality of Life	Score	Partial Weight	Regional Impacts Weight	Number of POEs	Score	Partial Weight	Improve accessibility flow to and from POE	Score	Partial Weight	Improve accessibility flow to and from POE	Score	Partial Weight	Ingress/Egress Time to POE	Score	Partial Weight	POE Connectivity Weight	Project Score	Project Rank
Short Term	33.38	1.00	0.032		0.00	0.000	0.032						0.00	0.000		Yes	Yes		1.00	0.100	0.100	2	0.670	0.035	Yes		0.000	0.000	2	0.500	0.025	0.058	0.420	1
Short Term		0.00	0.000		0.00	0.000	0.000		Yes				0.67	0.056		Yes	Yes		1.00	0.100	0.143	0	1.000	0.045	Yes	Yes	1.000	0.091	1	0.750	0.037	0.168	0.498	2
Short Term		0.00	0.000		0.00	0.000	0.000						0.00	0.000		Yes	Yes		1.00	0.100	0.100	1	0.000	0.000	Yes	Yes	1.000	0.091	1	0.750	0.037	0.118	0.351	3
Short Term		0.00	0.000		0.00	0.000	0.000						0.00	0.000		Yes	Yes		1.00	0.100	0.100	1	0.000	0.000	Yes	Yes	1.000	0.091	1	0.750	0.037	0.118	0.345	4
Short Term		0.00	0.000		0.00	0.000	0.000						0.00	0.000					0.00	0.000	0.000	2	0.670	0.035			0.000	0.000		0.000	0.000	0.000	0.035	N/A

TABLE KEY

- INPUT DATA SUBMITTED BY AGENCY. IF BLANK, MEANS DATA WAS NOT SUBMITTED
- INPUT DATA COMPUTED BY SPREADSHEET
- SCORING CELL
- PROJECT SCORE AND RANK

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| Project Characteristics | | |