

**STATEWIDE  
TRANSPORTATION IMPROVEMENT  
PROGRAM  
FY 2008-2011**



**El Paso District  
AUGUST  
TRANSIT  
2008 Quarterly Revisions**

**FY 2008 TRANSIT PROJECT LISTING**  
**EL PASO MPO TRANSPORTATION IMPROVEMENT PROGRAM**

General Project Information		Funding Information	
<b>TxDOT District:</b>	El Paso	<b>Fiscal Year:</b>	2008
<b>Project Sponsor:</b>	LULAC Project Amistad	<b>Federal Funding Category:</b>	Section 5310
<b>MPO Project Number:</b>		<b>Federal Share:</b>	176,210
<b>Project Contract Date:</b>		<b>State - TxDOT:</b>	0
<b>Project Phase:</b>		<b>Local Share:</b>	0
<b>Brief Project Description:</b>	Capital Assistance Program for E/D	<b>Total Cost of Project:</b>	176,210
	Purchase 2 type 11 buses, ULEV	<b>Transportation Development Credits</b>	35,242

General Project Information		Funding Information	
<b>TxDOT District:</b>	El Paso	<b>Fiscal Year:</b>	2008
<b>Project Sponsor:</b>	Lutheran Social Services	<b>Federal Funding Category:</b>	Section 5310
<b>MPO Project Number:</b>		<b>Federal Share:</b>	50,000
<b>Project Contract Date:</b>		<b>State - TxDOT:</b>	0
<b>Project Phase:</b>		<b>Local Share:</b>	0
<b>Brief Project Description:</b>	Capital Assistance Program for E/D	<b>Total Cost of Project:</b>	50,000
	Purchase 1 type 3 bus, ULEV	<b>Transportation Development Credits</b>	10,000

General Project Information		Funding Information	
<b>TxDOT District:</b>	El Paso	<b>Fiscal Year:</b>	2008
<b>Project Sponsor:</b>	White Acres Good Samaritan	<b>Federal Funding Category:</b>	Section 5310
<b>MPO Project Number:</b>		<b>Federal Share:</b>	45,000
<b>Project Contract Date:</b>		<b>State - TxDOT:</b>	0
<b>Project Phase:</b>		<b>Local Share:</b>	0
<b>Brief Project Description:</b>	Capital Assistance Program for E/D	<b>Total Cost of Project:</b>	45,000
	Purchase 1 type 1 bus, ULEV	<b>Transportation Development Credits</b>	9,000

General Project Information		Funding Information	
<b>TxDOT District:</b>		<b>Fiscal Year:</b>	
<b>Project Sponsor:</b>		<b>Federal Funding Category:</b>	
<b>MPO Project Number:</b>		<b>Federal Share:</b>	
<b>Project Contract Date:</b>		<b>State - TxDOT:</b>	
<b>Project Phase:</b>		<b>Local Share:</b>	
<b>Brief Project Description:</b>		<b>Total Cost of Project:</b>	

General Project Information		Funding Information	
<b>TxDOT District:</b>		<b>Fiscal Year:</b>	
<b>Project Sponsor:</b>		<b>Federal Funding Category:</b>	
<b>MPO Project Number:</b>		<b>Federal Share:</b>	
<b>Project Contract Date:</b>		<b>State - TxDOT:</b>	
<b>Project Phase:</b>		<b>Local Share:</b>	
<b>Brief Project Description:</b>		<b>Total Cost of Project:</b>	

**TRANSIT PROJECT LISTING**

**EL PASO MPO TRANSPORTATION IMPROVEMENT PROGRAM**

General Project Information		Funding Information		
<b>TxDOT District:</b>	EL PASO	<b>Fiscal Year:</b>		2008
<b>Project Sponsor:</b>	SUN MERO	<b>Federal Funding Category:</b>		N/A
<b>MPO Project Number:</b>	T203-A	<b>Federal Share:</b>		N/A
<b>Project Contract Date:</b>	Aug-08	<b>State - TxDOT:</b>		N/A
<b>Project Phase:</b>	PE, ROW	<b>Local Share:</b>		\$3,565,000
<b>Brief Project Description:</b>	NORTHEAST TRANSIT TERMINAL	<b>Total Cost of Project:</b>	\$10,000,000	<b>YOE Cost:</b> \$3,565,000
		<b>ROW/Land: \$3,500,000</b>	<b>Pre. Eng.: \$65,000</b>	

General Project Information		Funding Information		
<b>TxDOT District:</b>	EL PASO	<b>Fiscal Year:</b>		2009
<b>Project Sponsor:</b>	SUN MERO	<b>Federal Funding Category:</b>	Includes previously obligated CMAQ and FTA 5307 Funds	
<b>MPO Project Number:</b>	T203-B	<b>Federal Share:</b>		\$1,981,125
<b>Project Contract Date:</b>	Aug-09	<b>State - TxDOT:</b>		N/A
<b>Project Phase:</b>	CONSTRUCTION	<b>Local Share:</b>		\$4,453,875
<b>Brief Project Description:</b>	NORTHEAST TRANSIT TERMINAL	<b>Total Cost of Project:</b>	\$10,000,000	<b>YOE Cost:</b> \$6,435,000
<b>(EXEMPT) Reprioritize \$1,800,000: CMAQ funds, and \$676,406: 5307 fund from FarEast to Northeast Terminal. PE/ROW: FY2008 #T203A</b>		<b>Total local funding from Sun Metro = \$495,281 local match to Fed funds and \$3,958,594 remaining local share.</b>		

General Project Information		Funding Information		
<b>TxDOT District:</b>	EL PASO	<b>Fiscal Year:</b>		2010
<b>Project Sponsor:</b>	SUN MERO	<b>Federal Funding Category:</b>		N/A
<b>MPO Project Number:</b>	T402B	<b>Federal Share:</b>		N/A
<b>Project Contract Date:</b>	Aug-10	<b>State - TxDOT:</b>		N/A
<b>Project Phase:</b>	CONSTRUCTION, PE, ROW	<b>Local Share:</b>		\$4,520,000
<b>Brief Project Description:</b>	FAR EASTSIDE TRANSIT TRMINAL	<b>Total Cost of Project:</b>	\$4,520,000	<b>YOE Cost:</b> \$4,520,000
<b>(EXEMPT) Source of local funding is Sun Metro general funds, which replaces previously obligated Federal funds for the project.</b>		<b>ROW/Land: \$1,000,000</b>	<b>Pre. Eng.: \$65,000</b>	

**TRANSIT PROJECT LISTING**

**EL PASO MPO TRANSPORTATION IMPROVEMENT PROGRAM**

General Project Information		Funding Information	
<b>TxDOT District:</b>	EL PASO	<b>Fiscal Year:</b>	2008
<b>Project Sponsor:</b>	SUN MERO	<b>Federal Funding Category:</b>	FTA 5309
<b>MPO Project Number:</b>	T039X	<b>Federal Share:</b>	\$882,000
<b>Project Contract Date:</b>	Aug-08	<b>State - TxDOT:</b>	N/A
<b>Project Phase:</b>	N/A	<b>Local Share:</b>	\$180,651
<b>Brief Project Description:</b>	BUS ACQUISITION 13: ACQUIRE APPROXIMATELY ONE BUS AND TEN PARA TRANSIT VANS WITH FTA 5309 DISCRETIONARY FUNDS (EXEMPT)	<b>Total Cost of Project:</b>	\$1,062,651
		<b>YOE Cost:</b>	\$1,062,651
		The MPO amended this project into the TIP as per Sun Metro's request. Sun Metro coordinated with FTA to verify that the funds were available.	

General Project Information		Funding Information	
<b>TxDOT District:</b>	EL PASO	<b>Fiscal Year:</b>	2008
<b>Project Sponsor:</b>	SUN MERO	<b>Federal Funding Category:</b>	FTA 5308
<b>MPO Project Number:</b>	T040X	<b>Federal Share:</b>	\$1,599,000
<b>Project Contract Date:</b>	Aug-09	<b>State - TxDOT:</b>	N/A
<b>Project Phase:</b>	N/A	<b>Local Share:</b>	\$327,506
<b>Brief Project Description:</b>	BUS ACQUISITION 14: ACQUIRE APPROXIMATELY FIVE BUSES WITH FTA 5308 CLEAN FUEL FUNDS (EXEMPT)	<b>Total Cost of Project:</b>	\$1,926,506
		<b>YOE Cost:</b>	\$1,926,506
		The MPO amended this project into the TIP as per Sun Metro's request. Sun Metro coordinated with FTA to verify that the funds were available.	

**FY 2008 TRANSIT PROJECT LISTING**

**EL PASO MPO TRANSPORTATION IMPROVEMENT PROGRAM**

General Project Information		Funding Information	
<b>TxDOT District:</b>	EL PASO	<b>Fiscal Year:</b>	2008
<b>Project Sponsor:</b>	SUN METRO	<b>Federal Funding Category:</b>	EARMARK
<b>MPO Project Number:</b>	T014A	<b>Federal Share:</b>	\$258,390
<b>Project Contract Date:</b>	8/8	<b>State - TxDOT:</b>	\$0
<b>Project Phase:</b>	N/A	<b>Local Share:</b>	\$64,598
<b>Brief Project Description:</b>	EARMARKED FUNDS FOR "STREET IMPROVEMENTS ON TRANSIT CORRIDORS" - APPLIED TO PREVIOUSLY APPROVED "SMART UTEP EXTENSION," FY 06- #T014	<b>Total Cost of Project:</b>	\$5,022,988
		<b>YOE Cost:</b>	\$322,988
		<b>FTA has coordinated with the MPO and Sun Metro. FTA has indicated this project meets necessary criteria, and that they will approve before the funds expire.</b>	

General Project Information		Funding Information	
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General Project Information		Funding Information	
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**Transit Financial Summary**

**EL PASO MPO**

**TransBorder FY 2008-2011 Amended TIP**

**Total Project/Year of Expenditure Costs**

	Transit Programs Description	FY 2008		FY 2009		FY 2010		FY 2011		Total	
		Federal	Total	Federal	Total	Federal	Total	Federal	Total	Federal	Total
1	Section 5307 - Urb >200K	\$11,173,451	\$13,966,814	\$11,461,885	\$14,327,356	\$11,758,108	\$14,697,635	\$11,571,631	\$14,464,538	\$45,965,075	\$57,456,343
2	Section 5307 - Urb <200K	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Section 5308 - Clean Fuels	\$3,335,104	\$4,096,636	\$658,400	\$823,000	\$0	\$0	\$0	\$0	\$3,993,504	\$4,919,636
4	Section 5309 - Disc.	\$882,000	\$1,062,651	\$0	\$0	\$0	\$0	\$0	\$0	\$882,000	\$1,062,651
5	Section 5310 - E&PwD	\$271,210	\$271,210	\$285,673	\$357,091	\$307,516	\$384,395	\$307,516	\$384,395	\$1,171,915	\$1,397,091
6	Section 5311 - Non-Urb	Programmed by PTN		Programmed by PTN		Programmed by PTN		Programmed by PTN		\$0	\$0
7	Section 5316 - JARC	Unknown at this time, c	\$1,372,386	Unknown at this time, c	\$1,446,920	\$0	\$0	\$0	\$0	Unknown at this time	\$2,819,306
8	Section 5317 - New Freed	Unknown at this time, c	\$371,887	Unknown at this time, c	\$433,917	\$0	\$0	\$0	\$0	Unknown at this time	\$805,804
	<b>Total Funds</b>	<b>\$15,661,765</b>	<b>\$21,141,584</b>	<b>\$12,405,958</b>	<b>\$17,388,284</b>	<b>\$12,065,624</b>	<b>\$15,082,030</b>	<b>\$11,879,147</b>	<b>\$14,848,933</b>	<b>\$52,012,494</b>	<b>\$68,460,831</b>

Note: Total column number is federal + match

	Transit Local Funds	FY 2008		FY 2009		FY 2010		FY 2011		Total	
			Total		Total		Total		Total		Total
9	General Obligation Bonds	\$0	\$750,000	\$0	\$26,903,074	\$0	\$20,399,480	\$0	\$16,944,480	\$0	\$64,997,034
10	Secure Sun Metro Grants	\$0	\$7,525,000	\$1,981,125	\$2,476,406	\$0	\$0	\$0	\$0	\$0	\$10,001,406
11	Bank of America Credit	\$0	\$4,556,952	\$0	\$11,450,000	\$0	\$11,450,000	\$0	\$0	\$0	\$27,456,952
12	Previous Obligated Fed & State Funds Congressional Earmark: \$1,500,000 Prev. Allocated/Matched 5307: \$95,605 STEP Funds: \$1,804,741	\$0	\$0	\$0	\$3,400,346	\$0	\$0	\$0	\$0	\$0	\$3,400,346
	<b>Total Local Funds</b>	<b>\$0</b>	<b>\$12,831,952</b>	<b>\$0</b>	<b>\$40,829,480</b>	<b>\$0</b>	<b>\$31,849,480</b>	<b>\$0</b>	<b>\$16,944,480</b>	<b>\$0</b>	<b>\$105,855,738</b>

See Project Descriptions for Locally Funded and Previously Funded Projects

	Transit Preliminary Eng. & ROW	FY 2008		FY 2009		FY 2010		FY 2011		Total	
			Total		Total		Total		Total		Total
13	PE	\$170,000	\$235,000	\$105,000	\$105,000	\$0	\$65,000	\$0	\$0	\$275,000	\$405,000
14	ROW/Land Acquisition	\$0	\$7,369,287	\$0	\$842,287	\$0	\$1,000,000	\$0	\$0	\$0	\$9,211,574
	<b>Total PE &amp; ROW Funds</b>	<b>\$0</b>	<b>\$7,604,287</b>	<b>\$0</b>	<b>\$947,287</b>	<b>\$0</b>	<b>\$1,065,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$275,000</b>	<b>\$9,616,574</b>

	Transit Total Costs	FY 2008		FY 2009		FY 2010		FY 2011		Total	
		Federal	Total								
	<b>Total Funds</b>	<b>\$15,661,765</b>	<b>\$41,577,823</b>	<b>\$12,405,958</b>	<b>\$59,165,051</b>	<b>\$12,065,624</b>	<b>\$47,996,510</b>	<b>\$11,879,147</b>	<b>\$31,793,413</b>	<b>\$52,287,494</b>	<b>\$183,933,143</b>

**Air Quality Environmental Benefits  
Northeast Park and Ride**

**Assumptions**

Distance One Way	9.8 miles
Total Mileage = (One Way x 2)	19.6 miles
Spaces	200
Average Lot Occupancy	75%
Days of Use per Year	260

**VMT Reductions**

Daily VMT Reduction  
 Daily VMT Reduced = Total Daily Mileage \* Spaces \* Lot Occupancy  
 = 19.6 miles \* 200 spaces \* 0.75 occupied spaces/total spaces  
 = 2,940 daily vehicle miles reduced

Annual VMT Reduction  
 Annual VMT Reduced = Daily VMT Reduced \* Days/Year  
 = 2,940 miles/day \* 260 days/year  
 = 764,400 annual VMT reduced

**Emissions Reduction**

	<b>Emission Factors (grams/mile)</b> <sup>1</sup>		
	VOC	CO	NOx
AM Peak	2.36395	21.25363	0.997835
Off Peak	N.A.	N.A.	N.A.
PM Peak	3.31414	41.388965	1.11968
Night	N.A.	N.A.	N.A.
Total	5.67809	62.642595	2.117515

Emissions Reduction = Emissions Factor (grams/mile) \* VMT reduced  
 Annual VOC reduced (kg) = 5.67809 g/mile \* 764,400 miles / 1000 g/kg  
 = 4,340.33 kg

Annual CO reduced (kg) = 62.642595 g/mile \* 764,400 miles / 1000 g/kg  
 = 47,884.00 kg

Annual NOx reduced (kg) = 2.117515 g/mile \* 764,400 miles / 1000 g/kg  
 = 1,618.63 kg

Daily VOC reduced (kg) = Annual reduction kg / 260 days  
 = 4,340.33 / 260 = 16.693585

Daily CO reduced (kg) = Annual reduction kg / 260 days  
 = 47883.99962 / 260 = 184.16923

Daily NOx reduced (kg) = Annual reduction kg / 260 days  
 = 1618.628466 / 260 = 6.2254941

**COST/BENEFIT**

P.E. Estimate of Cost to Complete \$1,750,000  
 Cost Annualized (30 yr) = Cost Estimate/30 yrs \$58,333

VOC Cost/Benefit \$ per Kilogram = Total Cost / Annual VOC reduced  
 = \$1,750,000 / 4,340.33  
 = \$403.19 per kg VOC reduced

VOC Annualized \$ per Kilogram = Cost Annualized/ VOC Reduced kg  
 = \$58,333.33 / 4,340.33  
 = \$13.44

CO Cost/Benefit \$ per Kilogram = Total Cost / Annual CO reduced  
 = \$1,750,000 / 47,884.00  
 = \$36.55 per kg CO reduced

CO Annualized \$ per Kilogram = Cost Annualized/ CO Reduced kg  
 = \$58,333 / 47,884.00  
 = \$1.22

NOx Cost/Benefit \$ per Kilogram = Total Cost / Annual NOx reduced  
 = \$1,750,000 / 1,618.63  
 = \$1,081.16 per kg CO reduced

NOx Annualized \$ per Kilogram = Cost Annualized/ NOx Reduced kg  
 = \$58,333 / 1,618.63  
 = \$36.04

<sup>1</sup> Average of LDV and LDT1, Source El Paso MPO



U.S. Department  
of Transportation  
**Federal Transit  
Administration**

REGION VI  
Arkansas, Louisiana,  
New Mexico, Oklahoma,  
Texas

819 Taylor St. Suite 8A36  
Fort Worth, TX 76102  
817-978-0550  
817-978-0575 (fax)

February 6, 2008

Mr. Tim Omick  
Director of Transit Department  
Sun Metro  
700-A San Francisco  
El Paso, Texas 79901

Dear Mr. Omick:

I am writing to respond to your January 14, 2008 letter requesting FTA concurrence for Sun Metro to utilize CMAQ and Federal Formula funding originally allocated in grant #TX-90-X573 for the Far Eastside transit terminal, and to apply this funding instead for the construction of a similar facility at an underutilized retail mall in the Northeast.

I understand that an expected influx of Army troops and up to 30,000 family members, as well as a major residential project planned for the Northeast, will create new and urgent transit needs for this area of the city.

Based on this situation and on the proposed project scope provided in the email (01/11/08) from Liza M. Ramirez-Tobias to Timothy Lidiak, et al. (see attached), FTA concurs with your request to apply these Federal funds to the Northeast facility.

Please note that this concurrence is contingent on Sun Metro providing FTA with an environmental review of the Northeast facility and on FTA's subsequent Environmental Finding of the proposed facility.

If you have any questions or comments, please contact Tim Lidiak at (817) 978-0559.

Sincerely,

Robert C. Patrick  
Regional Administrator

cc: Liza M. Ramirez-Tobias, City of El Paso  
Timothy Lidiak, FTA Region 6

**Air Quality Environmental Benefits  
Northeast Park and Ride**

**Assumptions**

Distance One Way	9.8 miles
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**Emission Factors (grams/mile)** <sup>1</sup>

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<sup>1</sup> Average of LDV and LDT1, Source El Paso MPO