

**Meeting Location:** El Paso MPO hosting Conference Call

**Meeting Date:** Tuesday, October 24, 2017 at 11:00am MST/ 12:00pm CST

Name	Company	Present	Name	Company	Present
Roger Williams (RW)	El Paso MPO	X	Marty Boyd (MB)	TxDOT El Paso	X
Salvador Gonzalez-Ayala (SG)	El Paso MPO	X	Mimi Horn (MH)	TxDOT El Paso	X
Claudia Valles (CV)	El Paso MPO	X	Rebecca Pinto (RP)	TxDOT El Paso	X
Mayela Granados (MG)	El Paso MPO	X	Art Estrada (AE)	TxDOT El Paso	X
Jose Campos (JC)	FHWA	X	Hugo Hernandez (HH)	TxDOT El Paso	X
Barbara Maley (BM)	FHWA	X	Jolene Herrera (JH)	TxDOT El Paso	X
Genevieve Bales (GB)	FHWA	X	Jonathan Mosteiro (JM)	Alliance- MPO Consultant	X
Jamie Zech (JZ)	TCEQ	X			
Jeffrey Riley (JR)	EPA	X			
Jackie Ploch (JP)	TxDOT ENV	X			
Dennis Perkinson (DP)	TTI	X			
Raymond Sanchez (RS)	TxDOT TP&P	X			
Laura Norton (LN)	TxDOT	X			

Call in Information:  
1-866-528-2256  
Passcode: 3724358

Meeting Agenda:

1. Discuss the El Paso MPO's Destino 2045 Metropolitan Transportation Plan [MTP] Pre-Analysis Consensus Plan.
2. Discuss financial assumptions for the Destino 2045 MTP

Material sent to the group:

- Draft Pre-Analysis Consensus Plan
- Draft Critical Path Schedule

**Action Items:**

I. Transportation Conformity [PACP]

1. Guidance on 2015 Ozone National Ambient Air Quality Standards [NAAQS] Designation for El Paso MPO, what the demonstration year is and Ozone related budget. Also, now that the MPO is in limited maintenance plan for Carbon Monoxide [CO] and need to demonstrate for the Destino 2045 MTP.
  2. Base Year being used is 2012, and in the past the MPO would have demonstrated CO in 2020. This plan has intermediate years of 2030, 2040 & the horizon year is 2045.
    - (Jeff Riley) As far as the 2015 Ozone standards, still stand, however still in question. EPA submitted 2015 Classification proposal for review at the end of September. Still have to address rule making, State Implementation Plan [SIP] rule, etc., so there are still moving parts, therefore not enough to go on at this time for final designation. This conformity cannot be used to address 2015 Ozone Standard. It is unknown if 2020 will need to be constrained for Ozone. Depending when the rules are finalized will dictate what will need to be done. In 2008 Dallas/Houston went through the same scenario so they used the old budget, El Paso may not have an old budget it can use. There are a lot of questions that cannot be answered at this time. In absence of a budget a Build/No Build or Greater than Baseline could be used.
    - [Jose Campos] is there an Ozone 1hour budget that could be used? Could we go back that far?
    - [JR] Believe so.
    - (Roger Williams) As it relates to CO [which Jeff Riley explained the MPO would need to demonstrate only in 2020 for transition into Limited Maintenance Plan} and for PM10, is the MPO able to use the same budgets used for their current Horizon 2040 Amendment? In that case the MPO used established budgets from Mobile and demonstrated on MOVES.
    - (JC) The MPO should use the same ones, no new budget for PM10 or CO , so use same as the 2020 vehicle emissions and for PM10 from '94-'95. Mr. Riley was in agreement.
    - **(RW) Based on the guidance and comments during the call, it has been agreed upon by the partners that the MPO will address the items in the Pre-Analysis Consensus Plan:**
      - **2012 Base Year**
      - **2020 Demonstrate Conformity for CO and forecast yr.**
      - **2030 – forecast yr.**
      - **2040 – forecast yr.**
      - **2045 – horizon yr.**
- MPO will use the existing budgets for CO and PM10. And for Ozone the test could be either a Build/No Build or Greater than Baseline**
- **(RW) went on to explain that the Destino 2045 MTP is to meet the requirement of an MTP Update as is required in non-attainment areas every 4 (four) years.**

II. Transportation Conformity Pre-Analysis Consensus Plan

- (JC) Was there an updated document as some of the tables were missing information.
- (Claudia Valles) The MPO had sent information to TTI for the emission analysis and was awaiting their response.
- (Dennis Perkinson) TTI had responded however the dates were updated and we will address with the MPO directly instead of on this call.
- (JC) Partners went thru the document to discuss each item and the comments that pertain.

Q1. (JC) Page 1 Table 1 Explanation – Requested that the MPO pay attention to the new requirements and rules

that will go into effect by the time the plan is approved in 2018, such as the requirements for Safety, Metropolitan Plan Rule and Transit Asset Management.

A1. (RW) The MPO is developing performance based planning requirements and is aware of these issues.

**Q2. (JC) Table 3 – Information for New Mexico on Qualitative Analysis for PM10 projects in Doña Ana County.**

- Table 3: State Implementation Plan

Other	<p>Doña Ana County, New Mexico Natural Events Action Plan Reevaluation 2005</p> <p>The El Paso County Area Natural Events Action Plan (NEAP) Project Number 2006-040-0TH-NR. Adopted on February 21, 2007.</p> <p>Doña Ana County Erosion Control Regulations Ordinance No. 194-2000, Effective January 19, 2001.</p>
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A2. (RW) This was for informational purposes.

(JC) asked that there be a brief disclosure in “Other”

section as to why information was there and also explain why quantitative analysis is done for New Mexico (NM).

(RW) MPO will provide information as requested.

**Q3. (JC) Demographics for NM in Table 5?**

Table 5: Demographics Used in Conformity Analysis

Data Element	Detail and Source of Data
Socio-economic	<p>To develop the Destino 2045 TDM demographics, first a review of the 2012 socioeconomic and demographic data (SED) developed for the Horizon MTP was done by comparing data from various sources: 2010 Census population information, The University of New Mexico Bureau of Business and Economic Research (BBER) and Texas Workforce Commission (TWC). Several findings and recommendations were identified after the comparison of the data. Based on the recommendations and comments received from TxDOT TPP, various steps were undertaken to bring the Horizon 2012 socioeconomic data in El Paso County closer to observed data. The number of households at the Transportation Analysis Zone (TAZ)-level were updated as well. Median incomes were updated using the 2013 five-year American Community Survey (ACS) block group median incomes. <b>No changes were made to the New Mexico side of the MPO planning area due to lack of observed data.</b></p>

A3. (Salvador Gonzalez-Ayala) MPO explained that there were no changes made to the Horizon demographics on the NM side with Emissions run. Consultant was hired to obtain demographics for Texas (TX) and NM for Horizon and Destino plans. Demographics were sent to TXDOT and NMDOT partners to review and they agreed that the previous demographics for NM were still valid and good to use. The wording in this section will be changed to mention that the data is valid.

Q4. (JC) Table 5, Population section- Growth rates for Doña Ana, why did the MPO not use those rates to check when MPO used TX growth rates and compared them to NM?

Table 5: Demographics Used in Conformity Analysis

Population	<p>The 2010 population from the Horizon TDM was <b>fist</b> updated using 2010 census block population data. The individual TAZ-specific growth rates between years 2010 and 2012 from the Horizon TDM were then applied to obtain 2012 population. The individual TAZ populations in El Paso County were then scaled to be consistent with the Texas Populations Estimates and Projection Programs (TPEPP) 2012 control total. <b>The TPEPP population growth rate for El Paso County was applied for the New Mexico side of the MPO in order to obtain control totals for the TAZs falling outside El Paso County.</b> The growth rates were checked against the growth rates of Doña Ana County, and the growth patterns are similar. The 2012 control total was then used to proportionally scale the base year population.</p>
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A4. (DP) TTI suggested since Dona Ana data was partial they assumed functionally more in TX than NM, however will go back and check if this was also the case in this section. (SG) MPO will also double check and address to see if it was the same scenario in this case.

**Also, MPO to correct spelling on fist to read: first**

Q5. (JC) The last sentence in employment section:

Table 5: Demographics Used in Conformity AnalysisEmployment	<p>The Horizon 2012 employment data is a result of a projection using the previous year's employment trends. This was created before TWC 2012 data was available. In order to represent actual employment as much as possible, the basic, retail and service employment were derived directly from 2012 TWC data for El Paso County. Special generator basic employment in Fort Bliss was retained from the Horizon MTP as the 2012 TWC data did not have any special generator employment. <b>The 2012 education employment from the Horizon TDM was updated using the TWC, but not replaced.</b></p>
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A5. **The last sentence in employment section, should read:**

**“The 2012 education employment from the horizon TDM was not updated using the TWC.”**

**Q6. (JC) Table 5, Section Other, why does it state year 2014 and 2017?**

Table 5: Demographics Used in Conformity Analysis

Other	The growth rates from the Horizon MTP dataset were applied to population and employment to develop the forecast year socioeconomic and demographic data for years 2014, 2017, 2020, 2030, 2040 and 2045. In the Destino 2045 TDM, there are 793 TAZs in Texas, 55 TAZs in New Mexico, and 21 External Zones.
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Reference: El Paso 2045 Destino TDM development. (prepared by Cambridge Systematics, Inc. with AECOM Transportation, Inc. and ETC institute; Nov 15, 2016; pgs.3-1 to 3-24.)

- A6. (SG) When the MPO developed the Horizon Plan it did 2014 and 2017. The MPO went ahead and did 2014 and 2017 for the Destino Plan incase it was needed for CO or Ozone.  
 (DP) This is confusing, suggested to remove it.  
**(SG) MPO will remove 2014 and 2017 from the section.**

**Q7. (JC) Table 6 & 7- Information missing.**

Table 6: Travel Demand Model

Model Factor	Detail and Methodology
Model Validation Year	2012 (used for model calibration with 2012 saturation counts, Appendix A)
Software	TransCAD
Mode Split/Mode Choice	Modal Share
Vehicle Miles Travel (VMT) Adjustments (HPMS FACTOR)	xxxx
Seasonal Correction Factor	xxx
Hourly Distribution Factors	Regionally specific hourly VMT distributions reflected in the hourly link-VMT estimates.(See Table 7)
Counties Covered by Model	El Paso County, Southern Doña Ana County, and a portion of Otero County.
Other	N/A

Table 7. Seasonal Weekday Hourly VMT Distributions

Time period	Hour	Summer		Winter	
		24-hour Fraction	Time Period Fraction <sup>1</sup>	24-hour Fraction	Time Period Fraction <sup>1</sup>
AM Peak	6:00 a.m.	xx	xx	xx	xx
	7:00 a.m.	xx	xx	xx	xx
	8:00 a.m.	xx	xx	xx	xx
Mid-Day	9:00 a.m.	xx	xx	xx	xx
	10:00 a.m.	xx	xx	xx	xx
	11:00 a.m.	xx	xx	xx	xx
	12:00 p.m.	xx	xx	xx	xx

	1:00 p.m.	xx	xx	xx	xx
PM Peak	2:00 p.m.	xx	xx	xx	xx
	3:00 p.m.	xx	xx	xx	xx
	4:00 p.m.	xx	xx	xx	xx
	5:00 p.m.	xx	xx	xx	xx
	6:00 p.m.	xx	xx	xx	xx
Overnight	7:00 p.m.	xx	xx	xx	xx
	8:00 p.m.	xx	xx	xx	xx
	9:00 p.m.	xx	xx	xx	xx
	10:00 p.m.	xx	xx	xx	xx
	11:00 p.m.	xx	xx	xx	xx
	12:00 a.m.	xx	xx	xx	xx
	1:00 a.m.	xx	xx	xx	xx
	2:00 a.m.	xx	xx	xx	xx
	3:00 a.m.	xx	xx	xx	xx
	4:00 a.m.	xx	xx	xx	xx
	5:00 a.m.	xx	xx	xx	xx

<sup>1</sup> In order to maintain VMT proportions within each of the four time periods, the hourly fractions were normalized within each time period.

A7. (DP) TTI will provide information to insert data from calibration model.

Q8. (Barbara Maley) Table 8, If wording was a carryover from the last document, “as needed” it should be removed from the rows.

Table 8: Projects

Project Element	Description
Regionally Significant Definition	See page 15
Capacity Changes	Project list will be provided as needed.
CMAQ Projects	Project list will be provided as needed
Non-Federal Projects	Project list will be provided as needed
Exempt Projects	Project list will be provided as needed
Other	N/A

A8. (RW & CV) MPO left wording, will make the correction.

Q9. (BM) Why does the MPO need to provide the project list?

A9. (RW) Yes, it is premature at this time, the MPO is still coordinating, TPAC is meeting to finalize to present a preferred alternative for approval at the TPB December 15, 2017 meeting, with constrained financials and elements.

Q10. (JC) Section 4, Emissions Detail (MOVES Emission Factor Model Information); Functional Class, VMT Mix, etc. spacing of sections must line up to be able to see that wording fits with the intended sections.

Functional Class: TTI will estimate El Paso County four-period, time-of-day VMT mixes by the four MOVES road types - urban and rural restricted access and un-restricted access - for use with each analysis year.

VMT Mix: Using latest available vehicle classification counts (2005-2014) and associated year-end registration data (2013), TTI will estimate El Paso County four-period, time-of-day VMT mixes (for conventional gasoline and diesel-powered MOVES source use types) by the four MOVES road types, for use with each analysis year. No seasonal adjustments are made for VMT mix. The methodology is described in Developing MOVES Source Use Types and VMT Mix for Conformity Analysis (TTI, August 2016). (Note - VMT mix is used external to MOVES in the link-level emissions calculations.

Speed: TTI will use MOVES county scale/emission rates mode to model urban and rural, restricted and unrestricted access

Vehicle Registration: Mid-year registration data by analysis year will be used (for age distributions) except latest available (2014) will be used for future years.

A10. (CV) MPO to adjust table to correct spacing per section.

Q11. (JC) Section 4, Pollutants reported VOC and NOx in the Summer, why is it not carried into the Winter? Should MPO run it for both? Some may be revised when numbers are given.

Pollutants Reported: 1) Summer – VOC, CO, NOx, & PM<sub>10</sub>  
2) Winter – CO and PM<sub>10</sub>

A11. (RW & CV) MPO will not note these pollutants (VOC and NOx). (DP) Information is not correct needs to be corrected:

(RW) CO not needed after 2020.

(JC) MPO to address 2020 CO with motor vehicle, do not use for Summer, only Winter.

Q12. (JC) Table 9, is generic and needs to be fixed. Address what is known today, only report CO and PM10, address VOC and NOx at a later time when we have information.

Table 9: MOVES2014a Modeled Pollutants

Command	Function/Description	Input Parameter Source/Value
Pollutant	Defines the basic set of pollutants to report.	Summer: VOC, CO, NO <sub>x</sub> . Winter: VOC, CO, NO <sub>x</sub> . Primary PM <sub>10</sub> – Total Exhaust, PM <sub>10</sub> Brakewear, PM <sub>10</sub> Tirewear.

A12. (DP & CV) fix table. MPO will only report CO and PM10 at this time.

Q13. (JC) Table 10, rows and columns need to be adjusted to view all the data in each section.

Table 10: MOVES2014a External Conditions

Command	Function/Description	Input Parameter Values	Description
<b>MOVES Model Version</b>	Identifies the model version to be utilized for the analysis.	MOVES 2014a	MOVES2014a was released December 2015, and updated November 2016. MOVES2014a is the model to be utilized for the analysis.
<b>Calendar Year</b>	Identifies calendar year for which emissions factors are to be calculated. (Required to	2012, 2020, 2030, 2040 & 2045	<i>Attainment demonstration year and plan forecast years.</i>
<b>Evaluation Month</b>	Provides option of calculating emissions factors for each month of the calendar year	7 (July for summer season), 1 (January for winter season).	Representing summer and winter seasons.

A13. MPO will adjust table spacing to view information.

Q14. (JC) Table 11, Column Source, Show that 2014 is the mid year data.

Table 11: MOVES2014a Input Parameters and Source

Input Parameter Name	Description	Source
<b>Source Type Population</b>	Input the number of vehicles in the geographic area which is to be modeled for each vehicle.	MOVES defaults for rates runs. TTI estimates local gasoline and diesel-powered source type populations by analysis year for use external to MOVES in the estimation of county level vehicle starts and source-hours-parked, needed in the external emissions calculations, per TTI's rates-per-activity, TDM-based method. Populations by SUT and fuel type are a function of Texas Department of Motor Vehicles (TxDMV) mid-year vehicle registration data and VMT mix, and in the case of future years, population scaling factors.)



**Q15. (JC) Table 11, Meteorology Data, mid nacks 2019 data.**

Table 11: MOVES2014a Input Parameters and Source

<b>Meteorology</b>	County Specific data on temperature and humidity	The temperature data in Table 13 are consistent with (within the bounds of) the MOVES2014a inputs used in previous regional emissions estimates for conformity (which used MOBILE “min/max temperature” command input data originally from 1990 base year SIP inventories) TTI used the original min/max inputs and estimated the other hourly temperature inputs using seasonal profiles from available El Paso International Airport weather station data. Hourly relative humidity was estimated with data consistent with the temperature data.
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**A15. (DP) TTI will check that data is the latest data. MPO to format table rows and columns, information is being cut off.**

**Q16. (BM) Table 12, FHWA comments removed.**

Q17. (JC), Table 15 and 16 ,are they needed if they don't apply?

A17. (DP and CV) stated they were kept as a check list and to continue with previous formatting. (JC) was okay leaving Table 15 and 16 for informational purposes.

**2. Financials Assumptions for Destino 2045 MTP.**

- (RW) MPO is using a standard 4% compounded inflation rate for projects in Texas (TX), as it did for the last plan, and 1.5% for New Mexico (NM) which is what NMDOT is using across the state of NM.
- (RW) At this time MPO is using primarily the assumptions from the TX UTP and only growing revenue for two categories, 5 (CMAQ) and 7 (STP-MM) outside the first 10 year of the plan. This assumption is following same trend as is in UTP for these funding categories of 1.1% growth and applied throughout the remainder of the plan from 2028-2045.
- (RW) On the transit side, for 5307 and 5309 Funds, MPO is following the Sun Metro recommendations that have been coordinated with the Federal Transit Administration (FTA) to grow revenue outside the time frame of what is in the Federal Register. The NM funding for CMAQ and STP are flat lined as per NMDOT.

All partners on call agreed with Roger on the above financial assumptions.

Q1. (JC) In the plan CMAQ and STP grow the first 10 years by 1.1% as in the UTP, and then the second 10 years they continue to grow by 1.1%, but other categories don't grow, correct?

A1. (RW) Yes, most of the other categories were averaged in the first 10 years and that average is flat lined for the next 10 years and throughout the remainder of the plan. RW went on to informed JC that no assumptions after the first 10 years for Category 2 were made, at this time, for the second 10 years and beyond. RW went to explain that

at this time no other funding assumptions other than what is in the UTP is incorporated into the plan for the Texas highway side.

Q2. (BM) Wanted to know if the MPO used Appendix D?

A2. (RW) MPO used Appendix D in the past in the TIP but not in the plan. Asked if MPO could use Develop Authority for fiscal constraint purposes? FHWA has approved Develop Authority to be used in past plans, can it be used for this plan?

(JC) Recommended to discuss further with FHWA, TXDOT and MPO on separate call later in the day.

Q3. Raymond Sanchez (RS) also asked to discuss the TRENDS Model in the afternoon call.

A3. (RW) MPO can discuss in the 3pm call with FHWA, TXDOT and MPO.

Q4. (BM) Which agreements, state agencies TxDOT to NMDOT and TxDOT ENV. To NM ENV are there so when things are acted upon, agreements state what agencies are acting on.

A4. Jolene Herrera (JH) There are no agreements between TxDOT and NMDOT of the sort.

Jaime Zech (JZ) There are no agreements between TX TCEQ and NM ENV.

3. Develop Authority call scheduled for Tuesday, October 24, 2017 at 3pm with the following:

FHWA- Jose Campos, Genevieve Bales, Barbra Maley

TxDOT – Eddie Valtier, Marty Boyd

TxDOT Division – Raymond Sanchez

MPO – Roger Williams, Mayela Granados

Adjourned at 12:33 pm

## Claudia Valles

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**From:** Maley, Barbara (FHWA) <Barbara.Maley@dot.gov>  
**Sent:** Tuesday, December 19, 2017 5:44 PM  
**To:** Roger Williams  
**Cc:** Bales, Genevieve (FHWA); Raymond Sanchez Jr (Raymond.Sanchez@txdot.gov); Claudia Valles; Campos, Jose (FHWA); 'Jamie Zech (Jamie.Zech@tceq.texas.gov)'; 'Jeffrey Riley'; 'Marty Boyd (marty.boyd@txdot.gov)'  
**Subject:** RE: Draft Pre-Analysis Consensus Plan Version 2 for Destino 2045 MTP

**Roger-**

Thank you for transmitting ver. 2 on November 13.

We have reviewed EPMPOs responses to the Pre-Analysis Consensus Plan and do not have additional comments, at this time.

Signed,  
Barbara

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**From:** Roger Williams [mailto:rwilliams@ELPASOMPO.ORG]  
**Sent:** Friday, December 15, 2017 5:38 PM  
**To:** Maley, Barbara (FHWA) <Barbara.Maley@dot.gov>; Campos, Jose (FHWA) <Jose.Campos@dot.gov>  
**Cc:** Bales, Genevieve (FHWA) <Genevieve.Bales@dot.gov>; Raymond Sanchez Jr (Raymond.Sanchez@txdot.gov) <Raymond.Sanchez@txdot.gov>; Claudia Valles <cvalles@ELPASOMPO.ORG>  
**Subject:** RE: Draft Pre-Analysis Consensus Plan Version 2 for Destino 2045 MTP

Barbara/Jose,

Have we reached consensus and should we consider the Pre-analysis Consensus Plan final? We are very close to running the model for the Destino 2045 MTP to include the forecast years and beginning to develop the conformity document. If we need to revisit the Pre-analysis Consensus Plan please let us know.

**Roger Williams**

Assistant Director

El Paso Metropolitan Planning Organization (MPO)

Office: (915) 212-0258

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**From:** Maley, Barbara (FHWA) [mailto:Barbara.Maley@dot.gov]  
**Sent:** Monday, November 27, 2017 2:33 PM  
**To:** Campos, Jose (FHWA) <Jose.Campos@dot.gov>  
**Cc:** Roger Williams <rwilliams@ELPASOMPO.ORG>; Bales, Genevieve (FHWA) <Genevieve.Bales@dot.gov>; Raymond Sanchez Jr (Raymond.Sanchez@txdot.gov) <Raymond.Sanchez@txdot.gov>  
**Subject:** FW: Draft Pre-Analysis Consensus Plan Version 2 for Destino 2045 MTP

**Jose:**

FYI. I do not have additional comments.

cc: PPD/Genevieve, TPP/Raymond and EPMPO/Roger

Signed,  
Barbara

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**From:** Mayela Granados [<mailto:mgranados@ELPASOMPO.ORG>]

**Sent:** Monday, November 13, 2017 12:39 PM

**To:**

**Cc:** Michael Medina <[mmedina@ELPASOMPO.ORG](mailto:mmedina@ELPASOMPO.ORG)>; Roger Williams <[rwilliams@ELPASOMPO.ORG](mailto:rwilliams@ELPASOMPO.ORG)>; Alyssa Flores <[aflores@ELPASOMPO.ORG](mailto:aflores@ELPASOMPO.ORG)>

**Subject:** Draft Pre-Analysis Consensus Plan Version 2 for Destino 2045 MTP

All,

Please find attached the updated DRAFT Pre-Analysis Consensus Plan-Version 2 for the Destino 2045 Metropolitan Transportation Plan (MTP), with responses to Federal Highway Administration (FHWA) and Texas Commission on Environmental Quality (TCEQ) comments.

Comments are to be sent to Mayela Granados at [mgranados@elpasompo.org](mailto:mgranados@elpasompo.org).

Sincerely,

*Mayela Granados*

Administrative Secretary

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## Claudia Valles

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**From:** Maley, Barbara (FHWA) <Barbara.Maley@dot.gov>  
**Sent:** Monday, February 12, 2018 3:50 PM  
**To:** Roger Williams; Claudia Valles  
**Cc:** 'Dennis G. Perkinson (E-mail)'; Campos, Jose (FHWA); Raymond Sanchez Jr; Riley, Jeffrey; Janie Temple; Campos, Jose (FHWA); Birt, Andrew  
**Subject:** RE: Conformity Demonstration Process Schedule

Jose and I've spoken – we agree with TPP/Janie's Feb 7<sup>th</sup> responses (below).

Note: Jose sends his 'hello' to all.

Signed,  
Barbara

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**From:** Riley, Jeffrey [mailto:Riley.Jeffrey@epa.gov]  
**Sent:** Thursday, February 08, 2018 11:16 AM  
**To:** Janie Temple <Janie.Temple@txdot.gov>; Roger Williams <rwilliams@ELPASOMPO.ORG>; Maley, Barbara (FHWA) <Barbara.Maley@dot.gov>; Claudia Valles <cvalles@ELPASOMPO.ORG>; Campos, Jose (FHWA) <Jose.Campos@dot.gov>; Birt, Andrew <a-birt@tti.tamu.edu>  
**Cc:** 'Dennis G. Perkinson (E-mail)' <d-perkinson@tamu.edu>; Campos, Jose (FHWA) <Jose.Campos@dot.gov>; Raymond Sanchez Jr <Raymond.Sanchez@txdot.gov>  
**Subject:** RE: Conformity Demonstration Process Schedule

Good Morning,

Janie, thanks for responding to the ozone analysis questions in item #2 below – I concur with your response.

Jeff Riley  
US EPA - Region 6  
State Implementation Section 6MM-AB  
Multimedia Division  
(214)665-8542  
[riley.jeffrey@epa.gov](mailto:riley.jeffrey@epa.gov)

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**From:** Janie Temple [mailto:Janie.Temple@txdot.gov]  
**Sent:** Wednesday, February 07, 2018 3:10 PM  
**To:** Roger Williams <rwilliams@ELPASOMPO.ORG>; Maley, Barbara (FHWA) <Barbara.Maley@dot.gov>; Claudia Valles <cvalles@ELPASOMPO.ORG>; Jose.Campos@dot.gov; Birt, Andrew <a-birt@tti.tamu.edu>  
**Cc:** 'Dennis G. Perkinson (E-mail)' <d-perkinson@tamu.edu>; Campos, Jose (FHWA) <Jose.Campos@dot.gov>; Riley, Jeffrey <Riley.Jeffrey@epa.gov>; Raymond Sanchez Jr <Raymond.Sanchez@txdot.gov>  
**Subject:** RE: Conformity Demonstration Process Schedule

Roger,

I am going to go ahead and take a stab at responding from my perspective and Barbara can chime in if she sees something amiss. My comments are in green below.

1. On the Pre-Analysis Consensus Plan table 4: Conformity Analysis Years, we have 2020 (first analysis year), 2030 and 2040 (Intermediate Analysis Years) and 2045 (Last year of Transportation Plan), but on section 4. Emissions Detail/ Development of Emissions Factors /Analysis Year Runs the years are 2012,2020,2030,2040 &2045. Can you confirm whether a 2012 inventory is required or not?  
**For new plans, historical analysis years would not have inventories or emissions runs and that will be the case here. TTI will need the 2012 TDM files however since this is the calibration year of your current model so they can develop the HPMS adjustment factors.**
2. On the Consultative call was mentioned by Jeff Riley “This conformity cannot be used to address 2015 Ozone Standard”, but after he mentioned “In absence of a budget a Build/No Build or Greater than Baseline could be used.” Can you confirm whether Ozone analysis is required or not?  
**There is no need to run anything for ozone with this analysis because there have not been designations yet. That analysis, should El Paso be designated, would need to occur later.**

Barbara – Please let us know if you agree or disagree or if we need to discuss anything.

Janie

**Janie Temple**

Transportation Analysis Branch Manager  
**TPP | Traffic Analysis**

**Texas Department of Transportation**

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**From:** Roger Williams [<mailto:rwilliams@ELPASOMPO.ORG>]

**Sent:** Wednesday, February 07, 2018 1:25 PM

**To:** Maley, Barbara (FHWA); Claudia Valles; [Jose.Campos@dot.gov](mailto:Jose.Campos@dot.gov); Birt, Andrew

**Cc:** 'Dennis G. Perkinson (E-mail)'; Janie Temple; Campos, Jose (FHWA); Riley, Jeffrey; Raymond Sanchez Jr

**Subject:** RE: Conformity Demonstration Process Schedule

Barbara/Jose,

Please see the questions below from Claudia Valles at the EPMPO on January 29, 2018. We would like to get clarification on these questions as we move forward through the process.

Thank you, and please let us know if you need anything else from the EPMPO.

**Roger Williams**

Assistant Director

El Paso Metropolitan Planning Organization (MPO)

Office: (915) 212-0258

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**From:** Maley, Barbara (FHWA) [<mailto:Barbara.Maley@dot.gov>]

**Sent:** Monday, January 29, 2018 2:23 PM

**To:** Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>

**Cc:** Roger Williams <[rwilliams@ELPASOMPO.ORG](mailto:rwilliams@ELPASOMPO.ORG)>; 'Dennis G. Perkinson (E-mail)' <[d-perkinson@tamu.edu](mailto:d-perkinson@tamu.edu)>;

Janie Temple <[Janie.Temple@txdot.gov](mailto:Janie.Temple@txdot.gov)>; Campos, Jose (FHWA) <[Jose.Campos@dot.gov](mailto:Jose.Campos@dot.gov)>; Riley, Jeffrey

<[riley.jeffrey@epa.gov](mailto:riley.jeffrey@epa.gov)>; Raymond Sanchez Jr ([Raymond.Sanchez@txdot.gov](mailto:Raymond.Sanchez@txdot.gov)) <[Raymond.Sanchez@txdot.gov](mailto:Raymond.Sanchez@txdot.gov)>

**Subject:** FW: Conformity Demonstration Process Schedule

**Claudia-**

As Jose has limited to no access to emails this week, it could be Monday, Feb 5<sup>th</sup> before we collectively respond.

Cc: FHWA/Jose, EPA/Jeff, TPP/Janie and Raymond, aTm TI/Dennis and EPMPO/Roger

Signed,  
Barbara

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**From:** Claudia Valles [<mailto:cvalles@ELPASOMPO.ORG>]

**Sent:** Monday, January 29, 2018 1:29 PM

**To:** Maley, Barbara (FHWA) <[Barbara.Maley@dot.gov](mailto:Barbara.Maley@dot.gov)>

**Cc:** Roger Williams <[rwilliams@ELPASOMPO.ORG](mailto:rwilliams@ELPASOMPO.ORG)>; Perkinson, Dennis <[d-perkinson@tti.tamu.edu](mailto:d-perkinson@tti.tamu.edu)>

**Subject:** FW: Conformity Demonstration Process Schedule

Good morning Barbara,

El Paso Metropolitan Planning Organization has some questions regarding the emission analysis.

1. On the Pre-Analysis Consensus Plan table 4: Conformity Analysis Years, we have 2020 (first analysis year), 2030 and 2040 (Intermediate Analysis Years) and 2045 (Last year of Transportation Plan), but on section 4. Emissions Detail/ Development of Emissions Factors /Analysis Year Runs the years are 2012,2020,2030,2040 &2045. Can you confirm whether a 2012 inventory is required or not?
2. On the Consultative call was mentioned by Jeff Riley "This conformity cannot be used to address 2015 Ozone Standard", but after he mentioned "In absence of a budget a Build/No Build or Greater than Baseline could be used." Can you confirm whether Ozone analysis is required or not?

*Sincerely,*

*Claudia E. Valles PhD.*

*Transportation Planner*

*El Paso Metropolitan Planning Organization*

*211 N. Florence suite 202 , El Paso, TX 79901*

*Phone (915)212-7112*

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**From:** Perkinson, Dennis [<mailto:d-perkinson@tti.tamu.edu>]

**Sent:** Monday, January 29, 2018 10:42 AM

**To:** Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>

**Cc:** Roger Williams <[rwilliams@ELPASOMPO.ORG](mailto:rwilliams@ELPASOMPO.ORG)>

**Subject:** RE: Conformity Demonstration Process Schedule

Good Morning,

I saw the 2012 analysis in the pre-analysis plan. I was confirming that a formal inventory was required since it is a historical year. That is a consultation partner / regulatory agency issue, not a TTI issue. We do not need to run 2012 for our analyses.

Similarly, we are planning on running inventories for the analysis years listed in the pre-analysis plan. Additional runs for ozone is a consultation partner decision.

Regarding the version of MOVES, Marty informs me that we are the November 2016 release of MOVES2014a, since the November 2016 release of MOVES2014a is the same as the December 2017 release, for on-road mobile emissions. (All the December 2017 release does is correct some non-road mobile post-processing scripts which are not relevant to the on-road mobile work we are doing for El Paso.)

I have attached the current version of Appendix B with the utilities descriptions.

Here is what we need from each of the travel models. (Given the schedule and uncertainty regarding the need for a 2012 inventory, we will assume we are running the 2012 inventory.)

- Loaded network - by time period if time period TDM.
- O-D trip matrix (total trips only) – by time period if time period TDM.
- Speed/capacity look-up table used in the travel model (not required for Houston).
- List of functional class codes and descriptions.
- List of area type codes and descriptions.

Given the tight schedule, please send this material for individual travel models as it becomes available, rather than waiting until all the models are run to send all at once. (The HPMS factor is already calculated and included in the pre-analysis plan.)

Dennis

**Dennis Perkinson, Ph.D.**

Research Scientist  
Environment & Air Quality Division  
Texas A&M Transportation Institute

[979.862.4926](tel:979.862.4926)

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**From:** Claudia Valles [<mailto:cvalles@ELPASOMPO.ORG>]  
**Sent:** Monday, January 29, 2018 11:09 AM  
**To:** Perkinson, Dennis <[d-perkinson@tti.tamu.edu](mailto:d-perkinson@tti.tamu.edu)>  
**Cc:** Roger Williams <[rwilliams@ELPASOMPO.ORG](mailto:rwilliams@ELPASOMPO.ORG)>  
**Subject:** RE: Conformity Demonstration Process Schedule

Good morning Dennis,

I checked the attached summary and we do have 2012 as a Base year (page 2). On the PCP we have analysis year runs 2012,2020,2030,2040 & 2045. But, as my understanding 2020 will be required for CO and PM10 and 2030,2040 &2045 for PM10. Do we need to run 2012, because it is the base year?

Reviewing the Consultative call summary with Roger, this catch our attention “And for Ozone the test could be either a Build/No Build or Greater than Baseline” (page 2). El Paso is not designated yet under 2015 Ozone standard. Is the EPMPO required to make additional runs for emission analysis for Ozone?

Thank you!

Sincerely,

Claudia E. Valles PhD.  
Transportation Planner  
El Paso Metropolitan Planning Organization  
211 N. Florence suite 202, El Paso, TX 79901  
Phone (915)212-7112



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**From:** Perkinson, Dennis [<mailto:d-perkinson@tti.tamu.edu>]  
**Sent:** Friday, January 26, 2018 3:19 PM  
**To:** Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>  
**Cc:** Sonia Perez <[sperez@ELPASOMPO.ORG](mailto:sperez@ELPASOMPO.ORG)>; Michael Medina <[mmedina@ELPASOMPO.ORG](mailto:mmedina@ELPASOMPO.ORG)>; Roger Williams <[rwilliams@ELPASOMPO.ORG](mailto:rwilliams@ELPASOMPO.ORG)>; Salvador Gonzalez-Ayala <[sgonzalez@ELPASOMPO.ORG](mailto:sgonzalez@ELPASOMPO.ORG)>; White, L.D. <[lwhite@tti.tamu.edu](mailto:lwhite@tti.tamu.edu)>; Boardman, Marty <[m-boardman@tti.tamu.edu](mailto:m-boardman@tti.tamu.edu)>; Gu, Chaoyi <[C-Gu@tti.tamu.edu](mailto:C-Gu@tti.tamu.edu)>; Venugopal, Madhusudhan <[M-Venugopal@tti.tamu.edu](mailto:M-Venugopal@tti.tamu.edu)>; Birt, Andrew <[a-birt@tti.tamu.edu](mailto:a-birt@tti.tamu.edu)>  
**Subject:** Re: Conformity Demonstration Process Schedule

Claudia,

Yes, I believe are using the latest version. I'll confirm that with Marty .

The utilities described are correct. I will confirm that with Marty too.

Regarding years, yes in 2030, 2030, 2040 and 2045. I recall some discussion among the consultative partners about not having to do 2012 inventories. Can you confirm whether a 2012 inventory is required or not?

Thanks

**Dennis Perkinson, Ph.D.**  
Research Scientist  
Environment & Air Quality Division  
Texas A&M Transportation Institute  
Tel [979.862.4926](tel:979.862.4926)

On Jan 26, 2018, at 3:35 PM, Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)> wrote:

Good afternoon Dennis,

I sent you an email with the approved PCP. El Paso MPO is close to finishing the travel model runs, we are planning to send them to you within the next two weeks.

Also, I have a few questions,

- 1) Is TTI planning to use the last updated MOVES2014a version (December 2017)?
- 2) For the last conformity document, you sent me the "APPENDIX B: EMISSIONS ESTIMATION UTILITIES FOR MOVES-BASED EMISSIONS INVENTORIES", that was very useful and I took information about the Utilities for the conformity documentation and I want to be sure that this is the current one. In case that this was modified, can you send me the current one?
- 3) According to the consultative call and the approved PCP, we are required to do the conformity inventories 2012,2020,2030,2040 and 2045. Am I correct?

Thank you!

*Sincerely,*

*Claudia E. Valles PhD.  
Transportation Planner  
El Paso Metropolitan Planning Organization*

211 N. Florence suite 202 , El Paso, TX 79901  
Phone (915)212-7112

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**From:** Perkinson, Dennis [<mailto:d-perkinson@tti.tamu.edu>]  
**Sent:** Friday, January 26, 2018 1:45 PM  
**To:** Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>; Michael Medina  
<[mmedina@ELPASOMPO.ORG](mailto:mmedina@ELPASOMPO.ORG)>  
**Subject:** RE: Conformity Demonstration Process Schedule

Claudia,

We are in the process of finalizing authorization to do the conformity inventories (2020, 2030, 2040, 20445) for as outlined in the pre-analysis plan from November. If there is a more current version of the pre-analysis plan, please forward it to us.

More importantly, we need you travel model output to begin. Can you tell me the status of the travel models? We will get you the list of exactly what we need.

Thanks,

Dennis

**Dennis Perkinson, Ph.D.**  
Research Scientist  
Environment & Air Quality Division  
Texas A&M Transportation Institute

[979.862.4926](tel:979.862.4926)

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**From:** Perkinson, Dennis  
**Sent:** Tuesday, November 28, 2017 10:01 AM  
**To:** Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>; 'Michael Medina  
([mmedina@ELPASOMPO.ORG](mailto:mmedina@ELPASOMPO.ORG))' <[mmedina@ELPASOMPO.ORG](mailto:mmedina@ELPASOMPO.ORG)>  
**Subject:** RE: Conformity Demonstration Process Schedule

Friends,

Our general support of your conformity process is a given. However, to do the actual inventories, I need to get formal TxDOT approval. Can you confirm that you all want us to do the actual emissions inventories for you for this round of conformity? I need to work with TxDOT to commit the resources to do the emissions inventories for you in January.

Thanks,

Dennis

**Dennis Perkinson, Ph.D.**  
Research Scientist  
Environment & Air Quality Division  
Texas A&M Transportation Institute

[979.862.4926](tel:979.862.4926)

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**From:** Perkinson, Dennis  
**Sent:** Friday, November 17, 2017 4:38 PM  
**To:** Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>  
**Subject:** Re: Conformity Demonstration Process Schedule

Thank you. That helps us get everything set up to get you the support you need.

To confirm, I assume you all planning on having us run the emissions inventories for you.

**Dennis Perkinson, Ph.D.**  
Research Scientist  
Environment & Air Quality Division  
Texas A&M Transportation Institute

[2929 Research Parkway](#)  
[3135 TAMU | College Station, TX 77843-3135](#)  
Tel [979.862.4926](tel:979.862.4926)  
<http://tti.tamu.edu>

On Nov 17, 2017, at 4:30 PM, Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)> wrote:

Good afternoon Dennis,

El Paso MPO has tentatively schedule it for the middle of January.  
Thank for your support!

*Sincerely,*

*Claudia E. Valles PhD.  
Transportation Planner  
El Paso Metropolitan Planning Organization  
211 N. Florence suite 202 , El Paso, TX 79901  
Phone (915)212-7112*

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**From:** Perkinson, Dennis [<mailto:d-perkinson@tti.tamu.edu>]  
**Sent:** Friday, November 17, 2017 9:59 AM  
**To:** Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>  
**Subject:** Conformity Demonstration Process Schedule

Claudia,

I have a quick question regarding schedule. What is the current schedule for the conformity demonstration? I recall seeing something a long time ago, but it has probably changed.

I want to be sure we (TTI) have the time reserved to do the conformity inventories for you when you need them.

Thanks,

Dennis

**Dennis Perkinson, Ph.D.**  
Research Scientist  
Environment & Air Quality Division  
Texas A&M Transportation Institute

[979.862.4926](tel:979.862.4926)



**1. Reason for the Transportation Conformity Regional Emissions Analysis (§93.104) Beginning 10/09/2017**

Table 1: Explanation

x	New Metropolitan Transportation Plan (demographics, horizon year, etc.)
	Modify Existing Metropolitan Transportation Plan (interim year adjustments)
x	New or Amended Transportation Improvement Program
	State Implementation Plan (SIP) Requirement
	Newly Designated Nonattainment Area
	Other

A new Metropolitan Transportation Plan (MTP) and Transportation Improvement Program (TIP) are being developed. Development of the Destino 2045 MTP will incorporate new analysis years, demographic projections, regionally significant projects and fiscal/financial forecast.

The planning area is in a limited maintenance status for carbon monoxide (Effective on October 10, 2017) and non-attainment of particulate matter of 10 microns (Effective on January 6, 1991). The Travel Demand Model (TDM) has a conformity base year of 2012 and was developed with analysis years of 2020, 2030, 2040 and 2045. Demographic projections have been developed for the stated analysis years based on Texas demographic projections (Table 5). The TIP will cover the Fiscal Years (FY) 2019-2022.

On October 24, 2017 the El Paso Metropolitan Planning Organization hosted a consultative partners conference call to request guidance as it relates to the 2015 Ozone National Ambient Air Quality Standards (NAAQS) designation, classification, demonstration years and budget and the approval of El Paso Carbon Monoxide Limited Maintenance Plan for the EPMPO planning area. For the purpose of this conformity determination per guidance from the consultative partners, demonstration for CO has to be performed for year 2020, as this is the last year of the limited maintenance plan, and ozone will not include in this conformity.

A new conformity determination is required for the new Destino 2045 MTP and Destino 2019-2022 TIP.

2. Planning Detail (§93.110)

Table 2: Metropolitan Transportation Plan/Transportation Improvement Program

Plan or Programs	Years Covered
Destino 2045 Metropolitan Transportation Plan	2019-2045
Destino 2019-2022 Transportation Improvement Program	2019-2022

Table 3: State Implementation Plan

SIP Element	Description
Title of Applicable SIP(s)	<ol style="list-style-type: none"> <li>1. Revisions to the State Implementation Plan for Inhalable Particulate Matter (PM<sub>10</sub>):1991 PM<sub>10</sub> SIP for Moderate Area- El Paso- PM<sub>10</sub> SIP. The EPA Approved the SIP on January 18, 1994 (Effective on February 17, 1994).</li> <li>2. Revisions to the State Implementation Plan (SIP) for the Control of Carbon Monoxide Air Pollution: El Paso Revised Maintenance Plan for Carbon Monoxide. The EPA approved the SIP on August 4, 2008 (Effective on October 3, 2008).</li> <li>3. Revisions to the State Implementation Plan (SIP) for the Control of Carbon Monoxide Air Pollution: El Paso CO Limited Maintenance Plan SIP Revision. The EPA approved the SIP on September 8, 2017(Effective on October 10, 2017).</li> <li>4. Revision to the New Mexico PM<sub>10</sub> State Implementation Plan for Anthony, New Mexico – Nov. 8, 1991.</li> </ol>
Motor Vehicle Emissions Budgets	<p><u>PM<sub>10</sub> SIP:</u> PM<sub>10</sub> - 12.1 TPD (1994)</p> <p><u>CO SIP:</u> CO – 29.66 TPD (2020) This will used only for the 2020 analysis year.</p>

Transportation Conformity Pre-Analysis Consensus Plan (§93.105)

Transportation Control Measures	None
Other:  This is for information purposes only, there is no SIP in New Mexico, so a qualitative analysis is recommended:	Doña Ana County, New Mexico Natural Events Action Plan Reevaluation 2005  The El Paso County Area Natural Events Action Plan (NEAP) Project Number 2006-040-0TH-NR. Adopted on February 21, 2007.  Doña Ana County Erosion Control Regulations Ordinance No. 194-2000, Effective January 19, 2001.

Table 4: Conformity Analysis Years

Requirement	Year
Conformity Base Year	2012
Attainment Year	PM <sub>10</sub> – Designated Moderate Non-Attainment on November 6, 1991 (Effective on January 6, 1991) with a 1994 attainment year  CO – Approval of El Paso Carbon Monoxide Limited Maintenance Plan (Effective on October 10, 2017)
Last Year of Maintenance Plan Last Year of Limited Maintenance Plan	CO-2020 CO-2028
Motor Vehicle Emissions Budget Years	PM <sub>10</sub> – 1994 (SIP attainment year) CO – 2020 (SIP maintenance horizon year) This will used only for the 2020 analysis year.
First Analysis Year <sup>1</sup>	2020
Intermediate Analysis Year(s) <sup>2</sup>	2030 and 2040
Last Year of Transportation Plan (MTP/RTP)	2045
Interpolation Years	N/A
Other	N/A

<sup>1</sup> Per *Code of Federal Regulations* §93.106(a)(1)(ii), the first analysis year cannot be more than 10 years from the base year used to validate the transportation demand planning model.

<sup>2</sup> Per *Code of Federal Regulations* §93.106(a)(1)(i). Analysis years cannot be more than 10 years apart.

Table 5. Demographics Used in Conformity Analysis

	Detail and Source of Data
Socio-economic	<p>To develop the Destino 2045 TDM demographics, first a review of the 2012 socioeconomic and demographic data (SED) developed for the Horizon MTP was done by comparing data from various sources: 2010 Census population information, The University of New Mexico Bureau of Business and Economic Research (BBER) and Texas Workforce Commission (TWC). Several findings and recommendations were identified after the comparison of the data. Based on the recommendations and comments received from TxDOT TPP, various steps were undertaken to bring the Horizon 2012 socioeconomic data in El Paso County closer to observed data. The number of households at the Transportation Analysis Zone (TAZ)-level were updated as well. Median incomes were updated using the 2013 five-year American Community Survey (ACS) block group median incomes. No changes were made to the New Mexico side of the MPO planning area due to lack of observed data. Nevertheless, the data on the New Mexico side is still considered valid.</p>
Population	<p>The 2010 population from the Horizon TDM was first updated using 2010 census block population data. The individual TAZ-specific growth rates between years 2010 and 2012 from the Horizon TDM were then applied to obtain 2012 population. The individual TAZ populations in El Paso County were then scaled to be consistent with the Texas Populations Estimates and Projection Programs (TPEPP) 2012 control total. The TPEPP population growth rate for El Paso County was applied for the New Mexico side of the MPO in order to obtain control totals for the TAZs falling outside El Paso County. The growth rates were checked against the growth rates of Doña Ana County, and the growth patterns are similar. El Paso County growth patterns were used because that was the best data available and the TPEPP data is very thorough. The 2012 control total was then used to proportionally scale the base year population.</p>



Transportation Conformity Pre-Analysis Consensus Plan (§93.105)

Employment	The Horizon 2012 employment data is a result of a projection using the previous year's employment trends. This was created before TWC 2012 data was available. In order to represent actual employment as much as possible, the basic, retail and service employment were derived directly from 2012 TWC data for El Paso County. Special generator basic employment in Fort Bliss was retained from the Horizon MTP as the 2012 TWC data did not have any special generator employment. The 2012 education employment from the Horizon TDM was not updated using the TWC.
Other	The growth rates from the Horizon MTP dataset were applied to population and employment to develop the forecast year socioeconomic and demographic data for years 2020, 2030, 2040 and 2045. In the Destino 2045 TDM, there are 793 TAZs in Texas, 55 TAZs in New Mexico, and 21 External Zones. For the portion of the El Paso MPO located in Anthony, New Mexico, transportation conformity is addressed on a case by case basis. Should a transportation project materialize in this area then the New Mexico consultative group would need to convene to provide guidance on determining the appropriate PM10 analysis.

Reference: El Paso 2045 Destino TDM development. (prepared by Cambridge Systematics, Inc. with AECOM Transportation, Inc. and ETC institute; Nov 15, 2016; pgs.3-1 to 3-24.)

**3. Activity Detail**

- Land-Use Model Used

Land use projections for the Destino 2045 MTP Amendment are based on the City of El Paso's studies and/or plans, recent developments/annexations as well as other studies and/or plans from other municipalities. Municipality zoning ordinances and County regulations are also considered.

Table 6: Travel Demand Model

Model Factor	Detail and Methodology
Model Validation Year	2012 (used for model calibration with 2012 saturation counts, Appendix A)
Software	TransCAD
Mode Split/Mode Choice	Multinomial logit model
Vehicle Miles Travel (VMT) Adjustments (HPMS FACTOR)	1.018532557

Transportation Conformity Pre-Analysis Consensus Plan (§93.105)

Seasonal Correction Factor	<u>2012,2020,2030, 2040 &amp; 2045 TDM (ANSWT)</u> <u>Seasonal Summer Weekday Factor:</u> 0.95294  <u>2012,2020,2030, 2040 &amp; 2045 TDM (ANSWT)</u> <u>Seasonal Winter Weekday Factor:</u> 0.99551
Hourly Distribution Factors	Regionally specific hourly VMT distributions reflected in the hourly link-VMT estimates.(See Table 7)
Counties Covered by Model	El Paso County, Southern Doña Ana County, and a portion of Otero County.
Other	N/A

Table 7: Seasonal Weekday Hourly VMT Distributions

Time period	Hour	Summer		Winter	
		24-hour Fraction	Time Period Fraction <sup>1</sup>	24-hour Fraction	Time Period Fraction <sup>1</sup>
AM Peak	6:00 a.m.	0.038899	0.229198	0.038799	0.219822
	7:00 a.m.	0.065864	0.388079	0.070340	0.398522
	8:00 a.m.	0.064955	0.382723	0.067363	0.381656
Mid-Day	9:00 a.m.	0.055120	0.196802	0.054822	0.193399
	10:00 a.m.	0.052095	0.186002	0.052823	0.186347
	11:00 a.m.	0.055208	0.197117	0.056223	0.198341
	12:00 p.m.	0.058289	0.208117	0.059135	0.208614
	1:00 p.m.	0.059366	0.211962	0.060463	0.213299
PM Peak	2:00 p.m.	0.061524	0.182756	0.063264	0.182640
	3:00 p.m.	0.066984	0.198975	0.071250	0.205695
	4:00 p.m.	0.072300	0.214766	0.075416	0.217722
	5:00 p.m.	0.074763	0.222081	0.075574	0.218180
	6:00 p.m.	0.061075	0.181422	0.060882	0.175763
Overnight	7:00 p.m.	0.046011	0.215449	0.044195	0.228227
	8:00 p.m.	0.037011	0.173307	0.034010	0.175630
	9:00 p.m.	0.032272	0.151116	0.029333	0.151477
	10:00 p.m.	0.025959	0.121555	0.022565	0.116527
	11:00 p.m.	0.018308	0.085728	0.015640	0.080766
	12:00 a.m.	0.010192	0.047725	0.008710	0.044979
	1:00 a.m.	0.006597	0.030891	0.005951	0.030731
	2:00 a.m.	0.005554	0.026007	0.005060	0.026130
	3:00 a.m.	0.005126	0.024003	0.004665	0.024090
	4:00 a.m.	0.007504	0.035138	0.006841	0.035327
5:00 a.m.	0.019024	0.089081	0.016676	0.086116	

<sup>1</sup> In order to maintain VMT proportions within each of the four time periods, the hourly fractions were normalized within each time period.

Table 8: Projects

Project Element	Description
Regionally Significant Definition	See page 17
Capacity Changes	Project list will be provided.
CMAQ Projects	Project list will be provided.
Non-Federal Projects	Project list will be provided.
Exempt Projects	Project list will be provided.
Other	N/A

**4. Emissions Detail (MOVES Emission Factor Model Information)**

- Development of Emission Factors:

Table 9. Development of Emission Factors.

Emission Model Version:	MOVES2014a
Analysis Year Runs:	2012, 2020, 2030, 2040 & 2045
Time Periods:	1) Summer – June through August weekday (avg. Mon-Fri.) 2) Winter – December through February weekday
Pollutants Reported:	1) Summer –PM <sub>10</sub> 2) Winter – CO (only 2020) and PM <sub>10</sub>
Functional Class:	TTI will estimate El Paso County four-period, time-of-day VMT mixes by the four MOVES road types - urban and rural restricted access and un-restricted access - for use with each analysis year.
VMT Mix:	Using latest available vehicle classification counts (2005-2014) and associated year-end registration data (2013), TTI will estimate El Paso County four-period, time-of-day VMT mixes (for conventional gasoline and diesel-powered MOVES source use types) by the four MOVES road types, for use with each analysis year. No seasonal adjustments are made for VMT mix. The methodology is described in Developing MOVES Source Use Types and VMT Mix for Conformity Analysis (TTI, August 2016). (Note - VMT mix is used external to MOVES in the link-level emissions calculations.

Transportation Conformity Pre-Analysis Consensus Plan (§93.105)

Speed:	TTI will use MOVES county scale/emission rates mode to model urban and rural, restricted and unrestricted access road type emissions factors for each of the 16 speed bin average speeds (i.e., 2.5 and 5 through 75 at 5 mph increments) for rates lookup tables.
Vehicle Registration:	Mid-year registration data by analysis year will be used (for age distributions) except latest available (2014) will be used for future years.

- MOVES2014 inputs:

Table 10: MOVES2014a Modeled Pollutants

Command	Function/Description	Input Parameter Source/Value
<b>Pollutant</b>	Defines the basic set of pollutants to report.	Summer: Primary PM <sub>10</sub> – Total Exhaust, PM <sub>10</sub> Brakewear, PM <sub>10</sub> Tirewear. Winter: CO (only 2020), Primary PM <sub>10</sub> – Total Exhaust, PM <sub>10</sub> Brakewear, PM <sub>10</sub> Tirewear.

Table 11: MOVES2014a External Conditions

Command	Function/Description	Input Parameter Values	Description
<b>MOVES Model Version</b>	Identifies the model version to be utilized for the analysis.	MOVES 2014a	MOVES2014a was released December 2015, and updated November 2016. MOVES2014a is the model to be utilized for the analysis.
<b>Calendar Year</b>	Identifies calendar year for which emissions factors are to be calculated. (Required to run model)	2012, 2020, 2030, 2040 & 2045	Attainment demonstration year and plan forecast years.
<b>Evaluation Month</b>	Provides option of calculating emissions factors for each month of the calendar year	7 (July for summer season), 1 (January for winter season).	Representing summer and winter seasons.

Table 12: MOVES2014a Input Parameters and Source

Input Parameter Name	Description	Source
<b>Source Type Population</b>	Input the number of vehicles in the geographic area which is to be modeled for each vehicle.	<p>MOVES defaults for rates runs.</p> <p>TTI estimates local gasoline and diesel-powered source type populations by analysis year for use external to MOVES in the estimation of county level vehicle starts and source-hours-parked, needed in the external emissions calculations, per TTI's rates-per-activity, TDM-based method.</p> <p>Populations by SUT and fuel type are a function of Texas Department of Motor Vehicles (TxDMV) mid-year vehicle registration data (2014) and VMT mix, and in the case of future years, population scaling factors.</p>
<b>Source Type Age Distribution</b>	<p>Input that provides the distribution of vehicle counts by age for each calendar year and vehicle type.</p> <p>TXDMV registration data is used to estimate the age distribution of vehicle types up to 31 years. The distribution of Age fractions should sum up to 1.0 for all vehicle types for each analysis year.</p>	<p>Age distributions developed using TxDMV analysis year-specific mid-year vehicle registration data were aggregated at the county level for all vehicle classes except the single-unit long-haul and combination long-haul source-types, which are statewide level. All source type age distributions were estimated using the TxDMV data except for refuse trucks, motor homes, and buses which were MOVES defaults. TxDMV data for 2012 were used for the 2012 analysis years, and latest available [2014] for all future analysis years.</p>

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<b>Vehicle Type VMT</b>	County specific VMT is distributed to 6 HPMS Vehicle types	MOVES defaults for rates runs. Local activity estimates are applied in emissions calculations external to MOVES.
<b>Average Speed Distribution</b>	Input average speed data specific to vehicle type, road type, and time of day/type of day into 16 speed bins. The sum of speed distribution to all speed bins for each road type, vehicle type, and time/day type would be 1.0.	MOVES defaults for rates runs. Local activity estimates are applied in emissions calculations external to MOVES.
<b>Road Type Distribution (VMT Fractions)</b>	Input County Specific VMT by road type. VMT fraction is distributed between the road type and must sum to 1.0 for each source type.	MOVES defaults for rates runs. Local activity estimates are applied in emissions calculations external to MOVES.
<b>Ramp Fraction</b>	Input county specific fraction of ramp driving time on rural and urban restricted roadway type	Set to zero.
<b>Fuel Supply</b>	Input to assign existing fuels to counties, months, and years, and to assign the associated market share for each fuel	For each analysis year and season, the fuel supply will consist of one conventional gasoline formulation and one conventional diesel formulation. See Table 13.b.

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<p><b>Meteorology</b></p>	<p>County Specific data on temperature and humidity</p>	<p>The temperature and humidity data in Table 14 are the same values used in the previous MOVES2014a-based Horizon 2040 Amendment transportation conformity emissions analysis. The temperature input values consist of the original, seasonal period, minimum and maximum input values (the form as specified for the MOBILE model predecessor of MOVES), from the El Paso 1990 base year SIP inventories, with the remaining 22 hourly input values estimated by TTI using seasonal profiles from available El Paso International Airport weather station data. TTI estimated the hourly relative humidity values using data consistent with the temperature data used.</p>
<p><b>Fuel Formulation</b></p>	<p>Input county specific fuel properties in the MOVES database.</p>	<p>See Table 13 a. Fuel formulations were based on El Paso fuel survey data and MOVES defaults for particular parameters.</p>
<p><b>I/M Coverage</b></p>	<p>Input I/M coverage record for each combination of pollutants, process, county, fuel type, regulatory class and model year are specified using this input.</p>	<p>See Table 15</p>

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<p><b>Fuel Engine Fraction / Diesel Fraction</b></p>	<p>Input fuel engine fractions (i.e. Gasoline vs. Diesel Engines types in the vehicle population) for all vehicle types.</p>	<p>Locality-Specific/MOVES default. TTI developed the evaluation year-specific local diesel fractions for the MOVES single unit and combination truck source use types using the TxDMV mid-year registration data, for each analysis year, aggregated to the statewide level.</p> <p>The diesel fractions were based on TxDMV data. MOVES defaults were used for the other MOVES source types.</p>
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Table 13.a: MOVES2014a Fuel Supply

Fuel Formulation ID	Market Share	Market Share CV <sup>3</sup>
ID for Gasoline(see Table 13.b )	1	0
ID for Diesel (see Table 13.b)	1	0

Table 13.b: MOVES2014a Fuel Properties

Fuel Type	Gasoline <sup>1</sup>				Diesel <sup>2</sup>	
	Summer		Winter		Summer and Winter	
Year	2012	2020+	2012	2020+	2012	2020+
Fuel Formulation ID	17702	17703	17104	17103	30005	30011
Fuel Subtype ID	14	12	12	12	20	20
RVP	7.00	7.00	11.61	11.36	0	0
Sulfur Level	27.80	10.00	30.00	10.00	5.43	11.00
ETOH Volume	0.20	9.77	10.00	10.00	0	0
MTBE Volume	0.00	0.00	0.00	0.00	0	0
ETBE Volume	0.00	0.00	0.00	0.00	0	0
TAME Volume	0.00	0.00	0.00	0.00	0	0
Aromatic Content	34.02	25.79	22.05	21.36	0	0
Olefin Content	18.28	8.20	7.05	6.66	0	0
Benzene Content	0.54	0.63	0.63	0.63	0	0
e200	43.09	47.42	53.74	53.72	0	0
e300	81.26	87.85	87.40	87.38	0	0
Vol to Wt Percent Oxy	0.3653	0.3653	0.3653	0.3653	0	0
BioDieselEster Volume	\N	\N	\N	\N	\N	\N
Cetane Index	\N	\N	\N	\N	\N	\N
PAH Content	\N	\N	\N	\N	\N	\N
T50	216.71	210.89	194.22	192.22	0	0
T90	330.12	306.40	310.28	309.50	0	0

<sup>1</sup> Summer 2012 gasoline formulation was based on the TCEQ 2011 summer fuel survey (by ERG), El Paso data, with minor adjustments. 2020+ gasoline formulation was based on the latest (2014) TCEQ summer fuel survey El Paso data, with RVP, sulfur and benzene values set to MOVES defaults (consistent with pertinent standards). In the absence of readily available local winter gasoline surveys, the MOVES defaults for the fuel region covering El Paso, Texas, for 10% by volume ethanol (consistent with the El Paso oxygenated fuel program) were used for winter 2012 and 2020+.

<sup>2</sup> 2012 diesel sulfur value is the average sulfur content of west Texas diesel samples from the TCEQ 2011 diesel fuel survey. 2020+ diesel sulfur is an accepted default value consistent with recent local observations, and within standards.

<sup>3</sup> Market Share CV – the coefficient variation of the market share

Table 14: MOVES2014a Hourly Meteorological Data

Hours	Summer Temperature	Summer Relative Humidity	Winter Temperature	Winter Relative Humidity
12:00 a.m.	76.4	48.8	34.3	50.1
1:00 a.m.	74.5	51.8	32.7	53.6
2:00 a.m.	72.9	55.4	31.0	55.0
3:00 a.m.	71.5	59.3	29.9	57.4
4:00 a.m.	70.4	60.9	28.6	58.7
5:00 a.m.	69.0	63.8	27.9	60.0
6:00 a.m.	66.0	67.7	26.0	63.9
7:00 a.m.	68.2	73.0	27.7	62.0
8:00 a.m.	74.0	58.5	34.5	51.9
9:00 a.m.	78.7	50.1	42.9	40.7
10:00 a.m.	83.0	43.0	49.0	33.8
11:00 a.m.	86.3	38.0	54.6	28.1
12:00 p.m.	89.5	33.5	58.0	25.3
1:00 p.m.	92.4	29.1	59.9	23.2
2:00 p.m.	94.3	26.3	62.0	21.3
3:00 p.m.	95.2	24.9	63.0	20.4
4:00 p.m.	97.0	23.2	62.5	21.2
5:00 p.m.	96.0	24.4	59.1	23.8
6:00 p.m.	93.0	27.6	52.8	30.5
7:00 p.m.	90.8	31.1	50.0	33.1
8:00 p.m.	88.3	33.6	44.2	41.9
9:00 p.m.	84.5	39.1	40.8	44.3
10:00 p.m.	82.3	42.8	39.1	46.4
11:00 p.m.	80.1	44.4	37.3	50.5

Table 15: MOVES2014a I/M Descriptive Inputs for Subject Counties

YearID	Begin Model Year <sup>1</sup>	End Model Year <sup>1</sup>	Test Standards ID (Description)	Source Use Type (I/M Compliance) <sup>2</sup>	Other <sup>3</sup>	
2007 - 2019	X	1995	12 (2500 RMP/Idle)	Passenger Car (93.12 %), Passenger Truck (91.26 %) Light Commercial Truck (85.67 %)	See Note 3	
	X	1995	41 (Evp Cap)			
		1996	Y			51 (Exh OBD)
		1996	Y			45 (Evp Cap, OBD)
2020 - 2050	X	Y	51 (Exh OBD)			
	X	X	45 (Evp Cap, OBD)			

<sup>1</sup>Begin and end model year (X, Y) define the range of model years covered – where X and Y, respectively, are calculated as YearID – 24, and YearID – 2.

<sup>2</sup> I/M compliance factor estimates were calculated per MOVES Technical Guidance (EPA, November 2015) and Texas modeling protocol (using compliance and waiver rates of 96 % and 3 %, respectively).

<sup>3</sup> Also - the model processes/pollutants affected are start and running exhaust HC, CO, NO<sub>x</sub>, and tank vapor venting HC; fuel type is gasoline; frequency is annual.

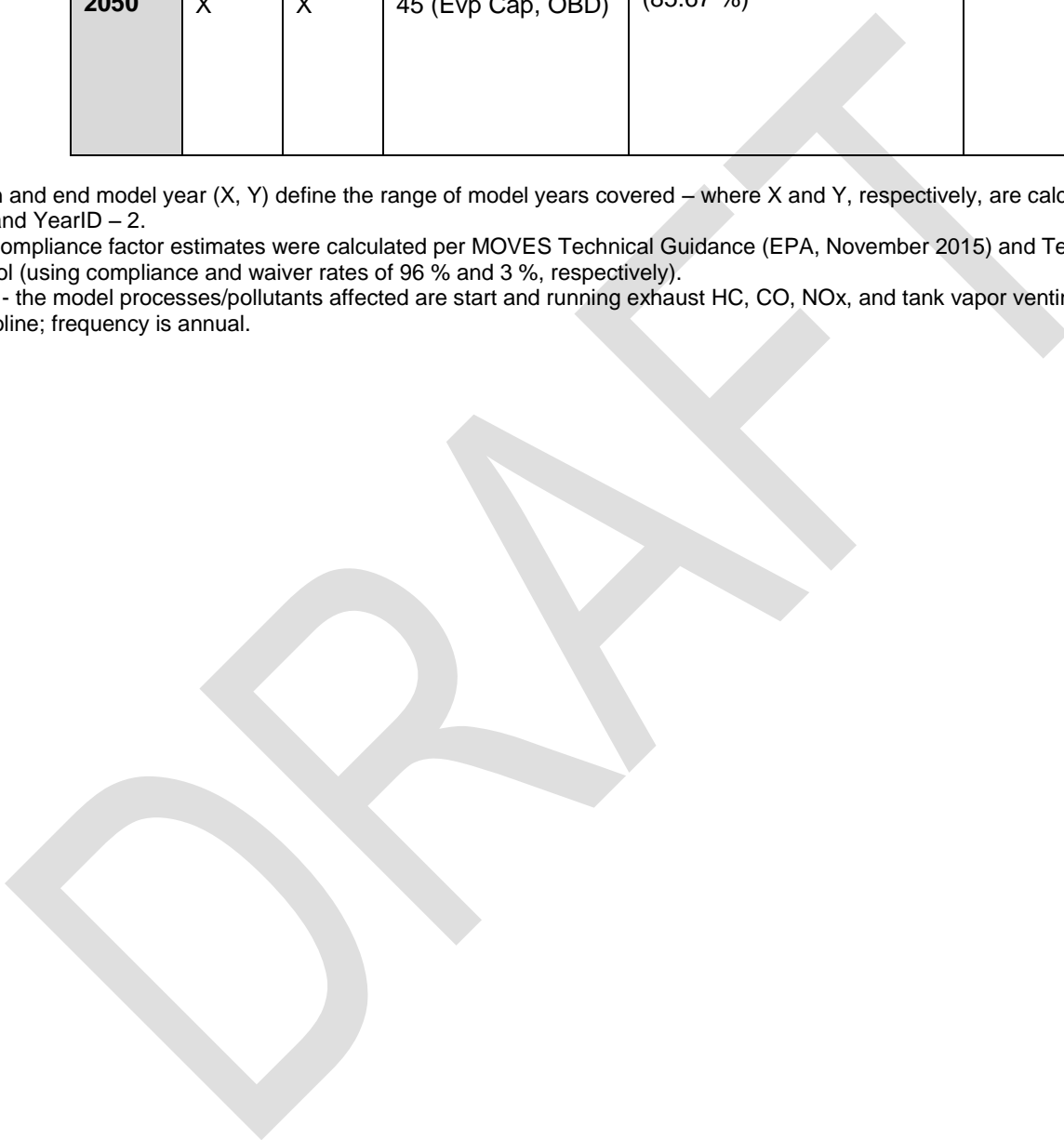


Table 16: MOVES2014a Emissions Factor Post-Processing to Be Performed by County and Year

Strategy and Post-Processing Result	Analysis Year	Counties
Texas Low Emission Diesel Fuel (TxLED)	2012,2020,2030,2040 & 2045	N/A

Table 17: Emissions Controls Used for Conformity Credit

Emission Reduction Strategy and Years Covered	Modeling or Post-Processing Approach	Analysis Year
Texas Emission Reduction Plan	N/A	N/A
Intersection Improvements	N/A	N/A
Transit Service	N/A	N/A
High Occupancy Vehicle / Managed Lanes	N/A	N/A
Park-n-Ride Lots	N/A	N/A
Vanpools	N/A	N/A
Grade Separations	N/A	N/A
Traffic Signal Improvements	N/A	N/A
Intelligent Transportation Systems	N/A	N/A
Clean Vehicle Commitments	N/A	N/A
Bicycle/Pedestrian Facilities	N/A	N/A
Employer Trip Reduction Programs	N/A	N/A
Vehicle Retirement Program	N/A	N/A
Sustainable Development	N/A	N/A
Public Education/ Ozone Season Fare Reduction	N/A	N/A

**Regionally Significant Projects Definition (from 40 CFR §93.101)**

A regionally significant project means a transportation project (other than projects that may be grouped in the TIP and/or STIP or exempt projects as defined in EPA's transportation conformity regulation [40 CFR part 93]) that is on a facility which serves regional transportation needs (such as access to and from the area outside the region; major activity centers in the region; major planned developments such as new retail malls, sports complexes, or employment centers, or transportation terminals) and would normally be included in the modeling of the metropolitan area's transportation network. At a minimum, this includes all principal arterial highways and all fixed guided way transit facilities that offer a significant alternative to regional highway travel.

DRAFT

## Claudia Valles

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**From:** Maley, Barbara (FHWA) <Barbara.Maley@dot.gov>  
**Sent:** Wednesday, October 31, 2018 3:58 PM  
**To:** Roger Williams  
**Cc:** 'Bob Bielek'; 'Art Estrada (art.estrada@txdot.gov)'; 'Marty Boyd (Marty.Boyd@txdot.gov)'; 'Eddie Valtier'; 'Hugo Hernandez (hugo.hernandez@txdot.gov)'; Christina Stokes; Salvador Gonzalez-Ayala; Sonia Perez; Claudia Valles; 'Raymond Sanchez Jr'; 'Tim Wood (Tim.Wood@txdot.gov)'; 'Jackie Ploch (Jackie.Ploch@txdot.gov)'; 'Janie Temple' (Janie.Temple@txdot.gov); 'jamie.zech@tceq.texas.gov'; 'riley.jeffrey@epa.gov'; Monge-Oviedo, Rodolfo (FHWA); Heitmann, Greg (FHWA); 'jolenem.herrera@state.nm.us'; 'trent.doolittle@state.nm.us'; Bales, Genevieve (FHWA); Jones, Anthony M (FHWA); Leary, Michael (FHWA); Tiggs, Pearlie (FTA); Campos, Jose (FHWA)  
**Subject:** RE: FHWA's Travel Demand Modeling comments concerning EPMPOs May 2018 Transportation Conformity addressing Destino 2045 and 2019-2022 TIP.  
**Attachments:** 2018\_EPMPO\_TDM Comments\_08-30-2018\_MPOResponse.pdf; 2018\_EPMPO\_TDM Comments\_10-11-2018\_MPOResponse.pdf

**Roger:**

We reviewed the responses to comments and find that our comments have been satisfactorily addressed. Thank you.

cc: PPD/Anthony M. Jones

Jose M. Campos  
Federal Highway Administration – Texas  
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**From:** Roger Williams [mailto:rwilliams@ELPASOMPO.ORG]  
**Sent:** Tuesday, October 30, 2018 9:37 AM  
**To:** Campos, Jose (FHWA) <Jose.Campos@dot.gov>  
**Cc:** 'Bob Bielek' <Bob.Bielek@txdot.gov>; 'Art Estrada (art.estrada@txdot.gov)' <art.estrada@txdot.gov>; 'Marty Boyd (Marty.Boyd@txdot.gov)' <Marty.Boyd@txdot.gov>; 'Eddie Valtier' <Eddie.Valtier@txdot.gov>; 'Hugo Hernandez (hugo.hernandez@txdot.gov)' <hugo.hernandez@txdot.gov>; Christina Stokes <cstokes@ELPASOMPO.ORG>; Salvador Gonzalez-Ayala <sgonzalez@ELPASOMPO.ORG>; Sonia Perez <sperez@ELPASOMPO.ORG>; Claudia Valles <cvalles@ELPASOMPO.ORG>; 'Raymond Sanchez Jr' <Raymond.Sanchez@txdot.gov>; 'Tim Wood (Tim.Wood@txdot.gov)' <Tim.Wood@txdot.gov>; 'Jackie Ploch (Jackie.Ploch@txdot.gov)' <Jackie.Ploch@txdot.gov>; 'Janie Temple' (Janie.Temple@txdot.gov)' <Janie.Temple@txdot.gov>; 'jamie.zech@tceq.texas.gov' <jamie.zech@tceq.texas.gov>; 'riley.jeffrey@epa.gov' <riley.jeffrey@epa.gov>; Monge-Oviedo, Rodolfo (FHWA) <Rodolfo.Monge-Oviedo@dot.gov>; Heitmann, Greg (FHWA) <Greg.Heitmann@dot.gov>; 'jolenem.herrera@state.nm.us' <jolenem.herrera@state.nm.us>; 'trent.doolittle@state.nm.us' <trent.doolittle@state.nm.us>; Maley, Barbara (FHWA) <Barbara.Maley@dot.gov>; Bales, Genevieve (FHWA) <Genevieve.Bales@dot.gov>; Jones, Anthony M (FHWA) <anthony.m.jones@dot.gov>; Leary, Michael (FHWA)

<Michael.Leary@dot.gov>; Tiggs, Pearlie (FTA) <Pearlie.Tiggs@dot.gov>

**Subject:** FW: FHWA’s Travel Demand Modeling comments concerning EPMPs May 2018 Transportation Conformity addressing Destino 2045 and 2019-2022 TIP.

Good morning Jose,

Per our discussion, below is the estimated emissions with updated VMT corresponding to the specific non-attainment areas for CO and PM10. **This information is all inclusive and overrides any tables previously sent.**

Thanks, and please let me know if you have any questions.

**Roger Williams**

Interim Executive Director

El Paso Metropolitan Planning Organization (MPO)

211 North Florence St.

El Paso, Texas 79901

Office: (915) 212-0258

**Margin of error of MPO's sketch tool for CO (sketch tool vs official emissions)**

year	ORIGINAL daily VMT <sup>1</sup>	CO		
		[ton/day] <sub>TTI</sub>	[ton/day] <sub>MPO</sub>	MPO err
2020	1,421,699	5.08	5.35	5.31%
2030	1,525,118	3.09	3.06	-0.97%
2040	1,740,617	2.25	2.13	-5.33%
2045	1,810,034	2.22	2.22	0.00%

Max error 5.33%

**Margin of error of MPO's sketch tool for PM10 (sketch tool vs official emissions)**

year	ORIGINAL daily VMT <sup>1</sup>	PM10 summer			PM10 winter		
		[ton/day] <sub>TTI</sub>	[ton/day] <sub>MPO</sub>	MPO err	[ton/day] <sub>TTI</sub>	[ton/day] <sub>MPO</sub>	MPO err
2020	20,320,575	6.36	6.43	1.10%	6.9	6.65	-3.62%
2030	21,897,490	6.8	6.74	-0.88%	7.34	6.97	-5.04%
2040	25,372,401	7.41	7.29	-1.62%	7.98	7.54	-5.51%
2045	26,398,643	7.68	7.58	-1.30%	8.28	7.84	-5.31%

Max error 1.62%

Max error 5.51%

For the UPDATE runs, the MPO's sketch tool yields the following emissions:

year	UPDATE daily VMT <sup>1</sup>	CO [ton/day] <sub>MPO</sub>
2020	1,421,574	5.348
2030	1,526,288	3.059
2040	1,742,994	2.134
2045	1,787,084	2.228

year	UPDATE daily VMT <sup>1</sup>	PM summer [ton/day] <sub>MPO</sub>	PM winter [ton/day] <sub>MPO</sub>
2020	20,300,014	6.438	6.657
2030	21,894,898	6.744	6.975
2040	25,357,146	7.298	7.549
2045	25,849,748	7.587	7.847

Assuming the maximum error from the MPO's tool, conservatively the following emissions can be expected for the UPDATE RUN:

**x1.0533**

year	UPDATE daily VMT <sup>1</sup>	CO [ton/day] <sub>MPO</sub>
2020	1,421,574	5.633
2030	1,526,288	3.222
2040	1,742,994	2.248
2045	1,787,084	2.347
<b>BUDGET:</b>		<b>29.66</b>

**x1.0162      x1.0551**

year	UPDATE daily VMT <sup>1</sup>	PM summer [ton/day] <sub>MPO</sub>	PM winter [ton/day] <sub>MPO</sub>
2020	20,300,014	6.542	7.027
2030	21,894,898	6.853	7.362
2040	25,357,146	7.416	7.968
2045	25,849,748	7.710	8.283
<b>BUDGET:</b>		<b>12.1</b>	<b>12.1</b>

1 Obtained from the DESTINO TDM runs, without seasonal adjustments.

The VMT shown on each table, corresponds to specific CO and PM10 non-attainment areas.

**From:** Roger Williams

**Sent:** Friday, October 26, 2018 11:32 AM

**To:** 'Campos, Jose (FHWA)' <[Jose.Campos@dot.gov](mailto:Jose.Campos@dot.gov)>

**Cc:** Bob Bielek <[Bob.Bielek@txdot.gov](mailto:Bob.Bielek@txdot.gov)>; Art Estrada ([art.estrada@txdot.gov](mailto:art.estrada@txdot.gov)) <[art.estrada@txdot.gov](mailto:art.estrada@txdot.gov)>; Marty Boyd ([Marty.Boyd@txdot.gov](mailto:Marty.Boyd@txdot.gov)) <[Marty.Boyd@txdot.gov](mailto:Marty.Boyd@txdot.gov)>; Eddie Valtier <[Eddie.Valtier@txdot.gov](mailto:Eddie.Valtier@txdot.gov)>; Hugo Hernandez ([hugo.hernandez@txdot.gov](mailto:hugo.hernandez@txdot.gov)) <[hugo.hernandez@txdot.gov](mailto:hugo.hernandez@txdot.gov)>; Christina Stokes <[cstokes@ELPASOMPO.ORG](mailto:cstokes@ELPASOMPO.ORG)>; Salvador Gonzalez-Ayala <[sgonzalez@ELPASOMPO.ORG](mailto:sgonzalez@ELPASOMPO.ORG)>; Sonia Perez <[sperez@ELPASOMPO.ORG](mailto:sperez@ELPASOMPO.ORG)>; Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>; Raymond Sanchez Jr <[Raymond.Sanchez@txdot.gov](mailto:Raymond.Sanchez@txdot.gov)>; Tim Wood ([Tim.Wood@txdot.gov](mailto:Tim.Wood@txdot.gov)) <[Tim.Wood@txdot.gov](mailto:Tim.Wood@txdot.gov)>; Jackie Ploch ([Jackie.Ploch@txdot.gov](mailto:Jackie.Ploch@txdot.gov)) <[Jackie.Ploch@txdot.gov](mailto:Jackie.Ploch@txdot.gov)>; 'Janie Temple' ([Janie.Temple@txdot.gov](mailto:Janie.Temple@txdot.gov)) <[Janie.Temple@txdot.gov](mailto:Janie.Temple@txdot.gov)>; 'jamie.zech@tceq.texas.gov' <[jamie.zech@tceq.texas.gov](mailto:jamie.zech@tceq.texas.gov)>; [riley.jeffrey@epa.gov](mailto:riley.jeffrey@epa.gov); Monge-Oviedo, Rodolfo (FHWA) <[Rodolfo.Monge-Oviedo@dot.gov](mailto:Rodolfo.Monge-Oviedo@dot.gov)>; Heitmann, Greg (FHWA) <[Greg.Heitmann@dot.gov](mailto:Greg.Heitmann@dot.gov)>; [jolenem.herrera@state.nm.us](mailto:jolenem.herrera@state.nm.us); [trent.doolittle@state.nm.us](mailto:trent.doolittle@state.nm.us); Maley, Barbara (FHWA) <[Barbara.Maley@dot.gov](mailto:Barbara.Maley@dot.gov)>; Bales, Genevieve (FHWA) <[Genevieve.Bales@dot.gov](mailto:Genevieve.Bales@dot.gov)>; Jones, Anthony M (FHWA) <[anthony.m.jones@dot.gov](mailto:anthony.m.jones@dot.gov)>; Leary, Michael (FHWA) <[Michael.Leary@dot.gov](mailto:Michael.Leary@dot.gov)>; Tiggs, Pearlie (FTA)



[<Pearlie.Tiggs@dot.gov>](mailto:Pearlie.Tiggs@dot.gov)

**Subject:** RE: FHWA's Travel Demand Modeling comments concerning EPMPOs May 2018 Transportation Conformity addressing Destino 2045 and 2019-2022 TIP.

Jose,

Please see the response below for item 16, **P533X**. We did a rerun of the travel demand model with all revisions. In the attached email you will find the results of the model run (with the EPMPO's estimated emissions). Also attached is the updated MTP project list, which will be included in Appendix C. The updated network can be found at <https://spaces.hightail.com/receive/CjMM1n2NDU>

Thank you, and we are standing by for any additional documentation you may need.

**Roger Williams**

[Interim Executive Director](mailto:Roger.Williams@elpasompo.org)

El Paso Metropolitan Planning Organization (MPO)

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El Paso, Texas 79901

Office: (915) 212-0258

---

**From:** Campos, Jose (FHWA) [<mailto:Jose.Campos@dot.gov>]

**Sent:** Monday, October 22, 2018 3:37 PM

**To:** Roger Williams <[rwilliams@ELPASOMPO.ORG](mailto:rwilliams@ELPASOMPO.ORG)>

**Cc:** Bob Bielek <[Bob.Bielek@txdot.gov](mailto:Bob.Bielek@txdot.gov)>; Art Estrada ([art.estrada@txdot.gov](mailto:art.estrada@txdot.gov)) <[art.estrada@txdot.gov](mailto:art.estrada@txdot.gov)>; Marty Boyd ([Marty.Boyd@txdot.gov](mailto:Marty.Boyd@txdot.gov)) <[Marty.Boyd@txdot.gov](mailto:Marty.Boyd@txdot.gov)>; Eddie Valtier <[Eddie.Valtier@txdot.gov](mailto:Eddie.Valtier@txdot.gov)>; Hugo Hernandez ([hugo.hernandez@txdot.gov](mailto:hugo.hernandez@txdot.gov)) <[hugo.hernandez@txdot.gov](mailto:hugo.hernandez@txdot.gov)>; Christina Stokes <[cstokes@ELPASOMPO.ORG](mailto:cstokes@ELPASOMPO.ORG)>; Salvador Gonzalez-Ayala <[sgonzalez@ELPASOMPO.ORG](mailto:sgonzalez@ELPASOMPO.ORG)>; Sonia Perez <[sperez@ELPASOMPO.ORG](mailto:sperez@ELPASOMPO.ORG)>; Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>; Raymond Sanchez Jr <[Raymond.Sanchez@txdot.gov](mailto:Raymond.Sanchez@txdot.gov)>; Tim Wood ([Tim.Wood@txdot.gov](mailto:Tim.Wood@txdot.gov)) <[Tim.Wood@txdot.gov](mailto:Tim.Wood@txdot.gov)>; Jackie Ploch ([Jackie.Ploch@txdot.gov](mailto:Jackie.Ploch@txdot.gov)) <[Jackie.Ploch@txdot.gov](mailto:Jackie.Ploch@txdot.gov)>; 'Janie Temple' ([Janie.Temple@txdot.gov](mailto:Janie.Temple@txdot.gov)) <[Janie.Temple@txdot.gov](mailto:Janie.Temple@txdot.gov)>; 'jamie.zech@tceq.texas.gov' <[jamie.zech@tceq.texas.gov](mailto:jamie.zech@tceq.texas.gov)>; [riley.jeffrey@epa.gov](mailto:riley.jeffrey@epa.gov); Monge-Oviedo, Rodolfo (FHWA) <[Rodolfo.Monge-Oviedo@dot.gov](mailto:Rodolfo.Monge-Oviedo@dot.gov)>; Heitmann, Greg (FHWA) <[Greg.Heitmann@dot.gov](mailto:Greg.Heitmann@dot.gov)>; [jolenem.herrera@state.nm.us](mailto:jolenem.herrera@state.nm.us); [trent.doolittle@state.nm.us](mailto:trent.doolittle@state.nm.us); Maley, Barbara (FHWA) <[Barbara.Maley@dot.gov](mailto:Barbara.Maley@dot.gov)>; Bales, Genevieve (FHWA) <[Genevieve.Bales@dot.gov](mailto:Genevieve.Bales@dot.gov)>; Jones, Anthony M (FHWA) <[anthony.m.jones@dot.gov](mailto:anthony.m.jones@dot.gov)>; Leary, Michael (FHWA) <[Michael.Leary@dot.gov](mailto:Michael.Leary@dot.gov)>; Tiggs, Pearlie (FTA) <[Pearlie.Tiggs@dot.gov](mailto:Pearlie.Tiggs@dot.gov)>

**Subject:** RE: FHWA's Travel Demand Modeling comments concerning EPMPOs May 2018 Transportation Conformity addressing Destino 2045 and 2019-2022 TIP.

Roger,

We reviewed the response to our follow-up comments (attached) and find that our comments have been satisfactorily addressed, except as noted below:

- 16. **P533X:** Revised modeling reflects Link ID 9877 as 6-lanes in 2045, however the Destino 2045 MTP project listing reflects construction of a 4-lane overpass. Additionally, the response indicates that Link IDs 7920 and 3665 will be revised to reflect existing 4-lanes from North Loop (FM 76) to the centroid connector representing access to properties within the TAZ, however the revised modeling indicates 2-lanes (one-lane each direction) in 2012, 2020, 2030 and 2040; and four lanes (two-lanes each direction) in 2045. Please clarify.

The model network has been revised to reflect a 4-lane overpass (Link ID: 9877) in 2045 and existing 4-lanes on Link IDs 7920 and 3665 in 2012,2020,2030,2040,2045.

Also, the previous response indicated clarifications to the project descriptions reflected in Appendix C (MTP Project Listing). Please provide a copy of the updated Appendix C (MTP Project Listing). Thank you for your assistance and please let me know if you should have any questions.

Jose Campos  
Federal Highway Administration – Texas  
(512) 536-5932

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**From:** Roger Williams [<mailto:rwilliams@ELPASOMPO.ORG>]  
**Sent:** Wednesday, October 17, 2018 5:39 PM  
**To:** Campos, Jose (FHWA) <[Jose.Campos@dot.gov](mailto:Jose.Campos@dot.gov)>  
**Cc:** Art Estrada ([art.estrada@txdot.gov](mailto:art.estrada@txdot.gov)) <[art.estrada@txdot.gov](mailto:art.estrada@txdot.gov)>; Bob Bielek <[Bob.Bielek@txdot.gov](mailto:Bob.Bielek@txdot.gov)>; Marty Boyd ([Marty.Boyd@txdot.gov](mailto:Marty.Boyd@txdot.gov)) <[Marty.Boyd@txdot.gov](mailto:Marty.Boyd@txdot.gov)>; Eddie Valtier <[Eddie.Valtier@txdot.gov](mailto:Eddie.Valtier@txdot.gov)>; Hugo Hernandez ([hugo.hernandez@txdot.gov](mailto:hugo.hernandez@txdot.gov)) <[hugo.hernandez@txdot.gov](mailto:hugo.hernandez@txdot.gov)>; Christina Stokes <[cstokes@ELPASOMPO.ORG](mailto:cstokes@ELPASOMPO.ORG)>; Salvador Gonzalez-Ayala <[sgonzalez@ELPASOMPO.ORG](mailto:sgonzalez@ELPASOMPO.ORG)>; Sonia Perez <[sperez@ELPASOMPO.ORG](mailto:sperez@ELPASOMPO.ORG)>; Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>; Raymond Sanchez Jr <[Raymond.Sanchez@txdot.gov](mailto:Raymond.Sanchez@txdot.gov)>; Tim Wood ([Tim.Wood@txdot.gov](mailto:Tim.Wood@txdot.gov)) <[Tim.Wood@txdot.gov](mailto:Tim.Wood@txdot.gov)>; Jackie Ploch ([Jackie.Ploch@txdot.gov](mailto:Jackie.Ploch@txdot.gov)) <[Jackie.Ploch@txdot.gov](mailto:Jackie.Ploch@txdot.gov)>; 'Janie Temple' ([Janie.Temple@txdot.gov](mailto:Janie.Temple@txdot.gov)) <[Janie.Temple@txdot.gov](mailto:Janie.Temple@txdot.gov)>; 'jamie.zech@tceq.texas.gov' <[jamie.zech@tceq.texas.gov](mailto:jamie.zech@tceq.texas.gov)>; [riley.jeffrey@epa.gov](mailto:riley.jeffrey@epa.gov); Monge-Oviedo, Rodolfo (FHWA) <[Rodolfo.Monge-Oviedo@dot.gov](mailto:Rodolfo.Monge-Oviedo@dot.gov)>; Heitmann, Greg (FHWA) <[Greg.Heitmann@dot.gov](mailto:Greg.Heitmann@dot.gov)>; [jolenem.herrera@state.nm.us](mailto:jolenem.herrera@state.nm.us); [trent.doolittle@state.nm.us](mailto:trent.doolittle@state.nm.us); Maley, Barbara (FHWA) <[Barbara.Maley@dot.gov](mailto:Barbara.Maley@dot.gov)>; Bales, Genevieve (FHWA) <[Genevieve.Bales@dot.gov](mailto:Genevieve.Bales@dot.gov)>; Jones, Anthony M (FHWA) <[anthony.m.jones@dot.gov](mailto:anthony.m.jones@dot.gov)>; Leary, Michael (FHWA) <[Michael.Leary@dot.gov](mailto:Michael.Leary@dot.gov)>; Tiggs, Pearlie (FTA) <[Pearlie.Tiggs@dot.gov](mailto:Pearlie.Tiggs@dot.gov)>; 'Javier Perea' <[javier.perea@sunlandpark-nm.gov](mailto:javier.perea@sunlandpark-nm.gov)>; 'Vincent M. Perez' ([PerezV@epcounty.com](mailto:PerezV@epcounty.com)) <[PerezV@epcounty.com](mailto:PerezV@epcounty.com)>  
**Subject:** RE: FHWA's Travel Demand Modeling comments concerning EPMPOs May 2018 Transportation Conformity addressing Destino 2045 and 2019-2022 TIP.

Jose,

Please see the attached responses from the EPMPO, and let me know if there is anything else that you need from us.

**Roger Williams**  
[Interim Executive Director](#)  
El Paso Metropolitan Planning Organization (MPO)  
211 North Florence St.  
El Paso, Texas 79901  
Office: (915) 212-0258

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**From:** Campos, Jose (FHWA) [<mailto:Jose.Campos@dot.gov>]  
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**To:** Roger Williams <[rwilliams@ELPASOMPO.ORG](mailto:rwilliams@ELPASOMPO.ORG)>  
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**Subject:** RE: FHWA's Travel Demand Modeling comments concerning EPMPs May 2018 Transportation Conformity addressing Destino 2045 and 2019-2022 TIP.

Roger,

Attached are our (FHWA) follow-up comments concerning the Travel Demand Modeling for the El Paso MPO's May 2018 Transportation Conformity determination addressing the Destino 2045 MTP and 2019-2022 TIP.

Additionally, we reviewed the El Paso MPO's response (attached) to our previous transportation conformity determination documentation comments and find that our comments have been satisfactorily addressed.

Please let us know if you should have any questions.

Jose Campos  
Federal Highway Administration – Texas  
(512) 536-5932

---

**From:** Roger Williams [<mailto:rwilliams@ELPASOMPO.ORG>]  
**Sent:** Thursday, September 13, 2018 8:47 AM  
**To:** Maley, Barbara (FHWA) <[Barbara.Maley@dot.gov](mailto:Barbara.Maley@dot.gov)>; 'Art Estrada ([art.estrada@txdot.gov](mailto:art.estrada@txdot.gov))' <[art.estrada@txdot.gov](mailto:art.estrada@txdot.gov)>; 'Bob Bielek (P.E.)' ([robert.bielek@txdot.gov](mailto:robert.bielek@txdot.gov))' <[robert.bielek@txdot.gov](mailto:robert.bielek@txdot.gov)>; Christina Stokes <[cstokes@ELPASOMPO.ORG](mailto:cstokes@ELPASOMPO.ORG)>; Clay Churchill ([Clay.Churchill@txdot.gov](mailto:Clay.Churchill@txdot.gov)) <[Clay.Churchill@txdot.gov](mailto:Clay.Churchill@txdot.gov)>; 'Dennis G. Perkinson (E-mail)' <[d-perkinson@tamu.edu](mailto:d-perkinson@tamu.edu)>; 'Eddie Valtier ([Eddie.Valtier@txdot.gov](mailto:Eddie.Valtier@txdot.gov))' <[Eddie.Valtier@txdot.gov](mailto:Eddie.Valtier@txdot.gov)>; Hugo Hernandez ([hugo.hernandez@txdot.gov](mailto:hugo.hernandez@txdot.gov)) <[hugo.hernandez@txdot.gov](mailto:hugo.hernandez@txdot.gov)>; 'Jackie Ploch ([jackie.Ploch@txdot.gov](mailto:jackie.Ploch@txdot.gov))' <[jackie.Ploch@txdot.gov](mailto:jackie.Ploch@txdot.gov)>; 'Jamie Zech ([Jamie.Zech@tceq.texas.gov](mailto:Jamie.Zech@tceq.texas.gov))' <[Jamie.Zech@tceq.texas.gov](mailto:Jamie.Zech@tceq.texas.gov)>; 'Janie Temple ([Janie.Temple@txdot.gov](mailto:Janie.Temple@txdot.gov))' <[Janie.Temple@txdot.gov](mailto:Janie.Temple@txdot.gov)>; 'Jeffrey Riley' <[riley.jeffrey@epa.gov](mailto:riley.jeffrey@epa.gov)>; 'Jolene Herrera ([jolenem.herrera@state.nm.us](mailto:jolenem.herrera@state.nm.us))' <[jolenem.herrera@state.nm.us](mailto:jolenem.herrera@state.nm.us)>; Joshua Holguin ([Joshua.Holguin@txdot.gov](mailto:Joshua.Holguin@txdot.gov)) <[Joshua.Holguin@txdot.gov](mailto:Joshua.Holguin@txdot.gov)>; 'Marty Boyd ([marty.boyd@txdot.gov](mailto:marty.boyd@txdot.gov))' <[marty.boyd@txdot.gov](mailto:marty.boyd@txdot.gov)>; Michael Baca ([michael.baca1@state.nm.us](mailto:michael.baca1@state.nm.us)) <[michael.baca1@state.nm.us](mailto:michael.baca1@state.nm.us)>; Michael Medina <[mmedina@ELPASOMPO.ORG](mailto:mmedina@ELPASOMPO.ORG)>; 'Mimi Horn ([Mimi.Horn@txdot.gov](mailto:Mimi.Horn@txdot.gov))' <[Mimi.Horn@txdot.gov](mailto:Mimi.Horn@txdot.gov)>; 'P. E. Trent Doolittle ([trent.doolittle@state.nm.us](mailto:trent.doolittle@state.nm.us))' <[trent.doolittle@state.nm.us](mailto:trent.doolittle@state.nm.us)>; Raymond Sanchez ([raymond.sanchez@txdot.gov](mailto:raymond.sanchez@txdot.gov)) <[raymond.sanchez@txdot.gov](mailto:raymond.sanchez@txdot.gov)>; Rebecca L. Pinto, P.E. ([rebecca.pinto@txdot.gov](mailto:rebecca.pinto@txdot.gov)) <[rebecca.pinto@txdot.gov](mailto:rebecca.pinto@txdot.gov)>; Monge-Oviedo, Rodolfo (FHWA) <[Rodolfo.Monge-Oviedo@dot.gov](mailto:Rodolfo.Monge-Oviedo@dot.gov)>; Salvador Gonzalez-Ayala <[sgonzalez@ELPASOMPO.ORG](mailto:sgonzalez@ELPASOMPO.ORG)>; 'sga@icrcgroup.org' <[sga@icrcgroup.org](mailto:sga@icrcgroup.org)>; 'Tim Wood ([Tim.Wood@txdot.gov](mailto:Tim.Wood@txdot.gov))' <[Tim.Wood@txdot.gov](mailto:Tim.Wood@txdot.gov)>; Michael Medina <[mmedina@ELPASOMPO.ORG](mailto:mmedina@ELPASOMPO.ORG)>; Scott P. Foster ([scottpfosterlaw@gmail.com](mailto:scottpfosterlaw@gmail.com)) <[scottpfosterlaw@gmail.com](mailto:scottpfosterlaw@gmail.com)>; Joe Moody ([joe.moody@house.texas.gov](mailto:joe.moody@house.texas.gov)) <[joe.moody@house.texas.gov](mailto:joe.moody@house.texas.gov)>; 'Javier Perea - Sunland Park, NM ([javier.perea@sunlandpark-nm.gov](mailto:javier.perea@sunlandpark-nm.gov))' <[javier.perea@sunlandpark-nm.gov](mailto:javier.perea@sunlandpark-nm.gov)>; Claudia Valles <[cvalles@ELPASOMPO.ORG](mailto:cvalles@ELPASOMPO.ORG)>; Sonia Perez <[sperez@ELPASOMPO.ORG](mailto:sperez@ELPASOMPO.ORG)>  
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**Subject:** RE: FHWA's Travel Demand Modeling comments concerning EPMPs May 2018 Transportation Conformity addressing Destino 2045 and 2019-2022 TIP.

Barbara,

Please see the EPMP's response to FHWA's Travel Demand Modeling comments.

**Roger Williams**  
[Interim Executive Director](#)  
El Paso Metropolitan Planning Organization (MPO)  
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---

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**Subject:** FHWA's Travel Demand Modeling comments concerning EPMPOs May 2018 Transportation Conformity addressing Destino 2045 and 2019-2022 TIP.

**All:**  
Attached are FHWA's Travel Demand Modeling comments (17) concerning EPMPOs May 2018 Transportation Conformity addressing Destino 2045 and 2019-2022 TIP.

Comments concerning EPMPOs Destino 2045, 2019-2022 TIP will be provided via a separate message.

Should you have questions and/or comments, please do not hesitate to contact us.

cc: PPD-TX/Jose, Tom, Genevieve and Anthony; FHWA-NM/Rodolfo and Greg; and FTA-6/Pearlie

Jose Campos  
Federal Highway Administration – Texas  
[Jose.Campos@dot.gov](mailto:Jose.Campos@dot.gov)  
(512) 536-5932

Anthony M. Jones  
Federal Highway Administration – Texas  
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(214) 224.2175

## Claudia Valles

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**From:** Jamie Zech <jamie.zech@tceq.texas.gov>  
**Sent:** Thursday, September 06, 2018 2:02 PM  
**To:** Roger Williams; 'Maley, Barbara (FHWA)'; 'Art Estrada (art.estrada@txdot.gov)'; 'Bob Bielek (P.E.) (robert.bielek@txdot.gov)'; Christina Stokes; Clay Churchill (Clay.Churchill@txdot.gov); 'Dennis G. Perkinson (E-mail)'; 'Eddie Valtier (Eddie.Valtier@txdot.gov)'; Hugo Hernandez (hugo.hernandez@txdot.gov); 'Jackie Ploch (jackie.Ploch@txdot.gov)'; 'Janie Temple (Janie.Temple@txdot.gov)'; 'Jeffrey Riley'; 'Jolene Herrera (jolenem.herrera@state.nm.us)'; Joshua Holguin (Joshua.Holguin@txdot.gov); 'Mark Marek (mark.marek@txdot.gov)'; 'Marty Boyd (marty.boyd@txdot.gov)'; Michael Baca (michael.baca1@state.nm.us); 'Mimi Horn (Mimi.Horn@txdot.gov)'; 'P. E. Trent Doolittle (trent.doolittle@state.nm.us)'; Raymond Sanchez (raymond.sanchez@txdot.gov); Rebecca L. Pinto, P.E. (rebecca.pinto@txdot.gov); Monge-Oviedo, Rodolfo (FHWA); Salvador Gonzalez-Ayala; 'sga@icrcgroup.org'; 'Tim Wood (Tim.Wood@txdot.gov)'; Scott P. Foster (scottpfosterlaw@gmail.com); Joe Moody (joe.moody@house.texas.gov); 'Javier Perea - Sunland Park, NM (javier.perea@sunlandpark-nm.gov)'; Sonia Perez; Claudia Valles  
**Cc:** Bruechert, Tom (FHWA); Campos, Jose (FHWA); Bales, Genevieve (FHWA); Heitmann, Greg (FHWA); Monge-Oviedo, Rodolfo (FHWA); Tiggs, Pearlle (FTA); Mary Mcgarry-Barber; Aaron Slevin; Michael Regan; Jamie Zech  
**Subject:** RE: Request of Review Period for - El Paso MPO Destino 2045 MTP, Destino 2019-2022 TIP & Transportation Conformity Report for the Destino documents  
**Attachments:** Response to TCEQ\_Comments\_Destino2045\_062818\_TCEQresponse090618.docx

Hi Roger,

Thanks to you and the EPMPO staff for providing responses to our comments and for helping us work through our comments concerning the updated HPMS. The attached comments document has been revised to include TCEQ's confirmation that EPMPO responses were adequate to address our concerns. We have no additional comments, and we await confirmation from the partners that (1) all of the activity parameters (VMT, speeds, etc.) associated with this analysis are acceptable and (2) all other issues have been resolved. Once all issues have been resolved, TCEQ will provide its concurrence.

Please let me know if there are any remaining questions with which we can assist.

Best,  
Jamie

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Jamie Zech, PhD  
Air Quality Planner  
512-239-3935  
-

Air Quality Division  
Texas Commission on Environmental Quality  
PO Box 13087, MC206  
Austin, Texas 78711

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**From:** Roger Williams <rwilliams@ELPASOMPO.ORG>  
**Sent:** Monday, August 27, 2018 12:32 PM  
**To:** 'Maley, Barbara (FHWA)' <Barbara.Maley@dot.gov>; 'Art Estrada (art.estrada@txdot.gov)' <art.estrada@txdot.gov>; 'Bob Bielek (P.E.) (robert.bielek@txdot.gov)' <robert.bielek@txdot.gov>; Christina Stokes <cstokes@ELPASOMPO.ORG>;



Clay Churchill (Clay.Churchill@txdot.gov) <Clay.Churchill@txdot.gov>; 'Dennis G. Perkinson (E-mail)' <d-perkinson@tamu.edu>; 'Eddie Valtier (Eddie.Valtier@txdot.gov)' <Eddie.Valtier@txdot.gov>; Hugo Hernandez (hugo.hernandez@txdot.gov) <hugo.hernandez@txdot.gov>; 'Jackie Ploch (jackie.Ploch@txdot.gov)' <jackie.Ploch@txdot.gov>; Jamie Zech <Jamie.Zech@tceq.texas.gov>; 'Janie Temple (Janie.Temple@txdot.gov)' <Janie.Temple@txdot.gov>; 'Jeffrey Riley' <riley.jeffrey@epa.gov>; 'Jolene Herrera (jolenem.herrera@state.nm.us)' <jolenem.herrera@state.nm.us>; Joshua Holguin (Joshua.Holguin@txdot.gov) <Joshua.Holguin@txdot.gov>; 'Mark Marek (mark.marek@txdot.gov)' <mark.marek@txdot.gov>; 'Marty Boyd (marty.boyd@txdot.gov)' <marty.boyd@txdot.gov>; Michael Baca (michael.baca1@state.nm.us) <michael.baca1@state.nm.us>; 'Mimi Horn (Mimi.Horn@txdot.gov)' <Mimi.Horn@txdot.gov>; 'P. E. Trent Doolittle (trent.doolittle@state.nm.us)' <trent.doolittle@state.nm.us>; Raymond Sanchez (raymond.sanchez@txdot.gov) <raymond.sanchez@txdot.gov>; Rebecca L. Pinto, P.E. (rebecca.pinto@txdot.gov) <rebecca.pinto@txdot.gov>; Monge-Oviedo, Rodolfo (FHWA) <Rodolfo.Monge-Oviedo@dot.gov>; Salvador Gonzalez-Ayala <sgonzalez@ELPASOMPO.ORG>; 'sga@icrcgroup.org' <sga@icrcgroup.org>; 'Tim Wood (Tim.Wood@txdot.gov)' <Tim.Wood@txdot.gov>; Scott P. Foster (scottpfosterlaw@gmail.com) <scottpfosterlaw@gmail.com>; Joe Moody (joe.moody@house.texas.gov) <joe.moody@house.texas.gov>; 'Javier Perea - Sunland Park, NM (javier.perea@sunlandpark-nm.gov)' <javier.perea@sunlandpark-nm.gov>; Sonia Perez <sperez@ELPASOMPO.ORG>; Claudia Valles <cvalles@ELPASOMPO.ORG>

**Cc:** Bruechert, Tom (FHWA) <Tom.Bruechert@dot.gov>; Campos, Jose (FHWA) <Jose.Campos@dot.gov>; Bales, Genevieve (FHWA) <Genevieve.Bales@dot.gov>; Heitmann, Greg (FHWA) <Greg.Heitmann@dot.gov>; Monge-Oviedo, Rodolfo (FHWA) <Rodolfo.Monge-Oviedo@dot.gov>; Tiggs, Pearlie (FTA) <Pearlie.Tiggs@dot.gov>

**Subject:** RE: Request of Review Period for - El Paso MPO Destino 2045 MTP, Destino 2019-2022 TIP & Transportation Conformity Report for the Destino documents

All,

Please see the EPMPO responses to FHWA and TCEQ comments. Also, attached is the updated transportation conformity document (clean copy that addresses FHWA and TCEQ comments). If anyone needs a copy of the document with tracking changes, please let me know.

List of Appendices:

- Appendix B - Revised Maps
- Appendix F – Revised to include Pre-Consensus Analysis Plan
- Appendix G - Marked version of the document with major changes identified
- Appendix J – Public Comments, for your information

All appendices can be downloaded from the FTP link: <https://spaces.hightail.com/receive/mtXp41vW36>

Thank you, and let me know if you need assistance.

**Roger Williams**

Interim Executive Director

El Paso Metropolitan Planning Organization (MPO)

211 North Florence St.

El Paso, Texas 79901

Office: (915) 212-0258

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**From:** Maley, Barbara (FHWA) [<mailto:Barbara.Maley@dot.gov>]

**Sent:** Tuesday, August 14, 2018 12:06 PM

**To:** 'Art Estrada ([art.estrada@txdot.gov](mailto:art.estrada@txdot.gov))' <[art.estrada@txdot.gov](mailto:art.estrada@txdot.gov)>; 'Bob Bielek (P.E.) ([robert.bielek@txdot.gov](mailto:robert.bielek@txdot.gov))' <[robert.bielek@txdot.gov](mailto:robert.bielek@txdot.gov)>; Christina Stokes <[cstokes@ELPASOMPO.ORG](mailto:cstokes@ELPASOMPO.ORG)>; Clay Churchill ([Clay.Churchill@txdot.gov](mailto:Clay.Churchill@txdot.gov)) <[Clay.Churchill@txdot.gov](mailto:Clay.Churchill@txdot.gov)>; 'Dennis G. Perkinson (E-mail)' <[d-perkinson@tamu.edu](mailto:d-perkinson@tamu.edu)>; 'Eddie Valtier ([Eddie.Valtier@txdot.gov](mailto:Eddie.Valtier@txdot.gov))' <[Eddie.Valtier@txdot.gov](mailto:Eddie.Valtier@txdot.gov)>; Hugo Hernandez ([hugo.hernandez@txdot.gov](mailto:hugo.hernandez@txdot.gov))

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**Cc:** Bruechert, Tom (FHWA) <[Tom.Bruechert@dot.gov](mailto:Tom.Bruechert@dot.gov)>; Campos, Jose (FHWA) <[Jose.Campos@dot.gov](mailto:Jose.Campos@dot.gov)>; Bales, Genevieve (FHWA) <[Genevieve.Bales@dot.gov](mailto:Genevieve.Bales@dot.gov)>; Heitmann, Greg (FHWA) <[Greg.Heitmann@dot.gov](mailto:Greg.Heitmann@dot.gov)>; Monge-Oviedo, Rodolfo (FHWA) <[Rodolfo.Monge-Oviedo@dot.gov](mailto:Rodolfo.Monge-Oviedo@dot.gov)>; Tiggs, Pearlie (FTA) <[Pearlie.Tiggs@dot.gov](mailto:Pearlie.Tiggs@dot.gov)>  
**Subject:** FW: Request of Review Period for - El Paso MPO Destino 2045 MTP, Destino 2019-2022 TIP & Transportation Conformity Report for the Destino documents

**All:**

Attached are FHWA's preliminary comments concerning EPMPOs May 2018 Transportation Conformity Document and Appendices (minus Appendix I) addressing Destino 2045 and 2019-2022 TIP.

(NOTE: For your convenience, **File 1** includes the narrative comments while **File 2** is a pdf with highlights that ties back to File 1.)

Comments concerning EPMPOs Destino 2045, 2019-2022 TIP and Travel Demand Model (TDM) will be provided via a separate message.

Should you have questions and/or comments, please do not hesitate to contact us.

cc: PPD-TX/Jose, Tom and Genevieve; FHWA-NM/Rodolfo and Greg; and FTA-6/Pearlie

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---

**From:** Mayela Granados [<mailto:mgranados@ELPASOMPO.ORG>]

**Sent:** Friday, May 18, 2018 5:31 PM

**To:** Bales, Genevieve (FHWA) <[Genevieve.Bales@dot.gov](mailto:Genevieve.Bales@dot.gov)>

**Cc:** 'Art Estrada ([art.estrada@txdot.gov](mailto:art.estrada@txdot.gov))' <[art.estrada@txdot.gov](mailto:art.estrada@txdot.gov)>; Maley, Barbara (FHWA) <[Barbara.Maley@dot.gov](mailto:Barbara.Maley@dot.gov)>; 'Bob Bielek (P.E.) ([robert.bielek@txdot.gov](mailto:robert.bielek@txdot.gov))' <[robert.bielek@txdot.gov](mailto:robert.bielek@txdot.gov)>; Christina Stokes <[cstokes@ELPASOMPO.ORG](mailto:cstokes@ELPASOMPO.ORG)>; Clay Churchill ([Clay.Churchill@txdot.gov](mailto:Clay.Churchill@txdot.gov)) <[Clay.Churchill@txdot.gov](mailto:Clay.Churchill@txdot.gov)>; 'Dennis G. Perkinson (E-mail)' <[d-perkinson@tamu.edu](mailto:d-perkinson@tamu.edu)>; 'Eddie Valtier ([Eddie.Valtier@txdot.gov](mailto:Eddie.Valtier@txdot.gov))' <[Eddie.Valtier@txdot.gov](mailto:Eddie.Valtier@txdot.gov)>; Bales, Genevieve (FHWA) <[Genevieve.Bales@dot.gov](mailto:Genevieve.Bales@dot.gov)>; Heitmann, Greg (FHWA) <[Greg.Heitmann@dot.gov](mailto:Greg.Heitmann@dot.gov)>; Heitmann, Greg (FHWA)



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**Subject:** Request of Review Period for - El Paso MPO Destino 2045 MTP, Destino 2019-2022 TIP & Transportation Conformity Report for the Destino documents

Dear Mrs. Bales and Consultative Partners,

Please find attached the letter to inform you that the El Paso Metropolitan Planning Organization Transportation Policy Board adopted the Destino 2045 Metropolitan Transportation Plan (MTP), the Destino 2019-2022 Transportation Improvement Program (TIP) and the Transportation Conformity Report for the Destino documents on May 18, 2018.

The El Paso MPO is requesting the start of the required ninety (90) day review period for these documents and conformity determination. We look forward to your comments and are available to assist you with any questions you may have. Please let us know if you will require a consultative call to discuss this matter so that we can schedule appropriately.

You can find the below documents at the following link below. The link will expire June 17, 2018, please advise if extra time is needed:

<https://spaces.hightail.com/receive/fa8fPSLbp7>

- Destino 2045 MTP
- Destino 2019-2022 TIP
- Transportation Conformity Report for the Destino documents
- Appendices for the Transportation Conformity Report for the Destino documents

Please let us know if you require further assistance by contacting Roger Williams via email at [rwilliams@elpasompo.org](mailto:rwilliams@elpasompo.org) or at (915) 212-0258.

Sincerely,

Michael Medina, CNU-A  
Executive Director

**El Paso Metropolitan Planning Organization**

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