

# LOWER RIO GRANDE PUBLIC WATER WORKS AUTHORITY

## Minutes—REGULAR BOARD OF DIRECTORS MEETING

9:30 a.m. Wednesday, December 9, 2015 at our La Mesa Office, 521 St. Valentine, La Mesa, New Mexico

NOTE: Minutes are a DRAFT until approved & signed by the Board of Directors

- I. **Call to Order, Roll Call to Establish Quorum:** Vice Chairman John Holguin called the meeting to order at 9:34 a.m. and called the roll. Mr. Raymundo Sanchez representing District #1 was present, Ms. Alma Boothe representing District #2 was absent at the beginning of the meeting but she arrived at 9:36 a.m., Mr. Cali Tellez representing District #3 was present, Mr. John Holguin representing District #4 was present, Mr. Nieto representing District #5 was absent, Mr. Mike McMullen representing District #6 was present, and Mr. Furman Smith representing District #7 was absent. Staff members present were General Manager Martin Lopez, Operations Manager Mike Lopez, Projects Manager Karen Nichols, and Projects Specialist Liza Lopez. Also present were Espy Holguin from HUD, Dave Bonner, a resident of the East Mesa, and Melanie McKinney.
- II. **Pledge of Allegiance:** John Holguin led the pledge.
- III. **Motion to approve the Agenda:** Mr. Tellez made the motion to approve the agenda and Mr. McMullen seconded the motion.
- IV. **Motion to approve the minutes of September 16, 2015, Regular Board Meeting:** This item has been postponed until the January 20, 2016 board meeting because there were not enough directors present who had attended that meeting in order to make and second the motion.
- V. **Guest Presentations – NONE**
- VI. **Public Input—15 minutes total allotted for this item, 3 minutes per person:** Dave Bonner, a resident of the East Mesa asked whether someone from Organ/Butterfield was on the board of the LRGPWWA. Martin Lopez responded “yes.” Mr. Bonner commended the LRGPWWA on doing an excellent job and asked questions regarding the water treatment facility on the East Mesa. Mr. Mike Lopez told him about the new vacuum/jetter and the ongoing maintenance. Karen Nichols described the water and sewer system improvements in the area and Martin Lopez provided an overview of updates and upgrades to the East Mesa water system. Mr. Bonner also had questions regarding billing procedures, deposits and delinquencies which were addressed by the staff. (Mr. Bonner arrived late and this item actually followed Item IX on the agenda.)
- VII. **Managers’ Reports**
  - A. **General Manager:** Mr. Martin Lopez provided a written report and stood for questions. Mr. Holguin asked questions regarding employee health insurance premiums. Mr. Tellez asked where the proposed Tierra del Sol subdivision would be located and how many houses would be built. Martin Lopez advised him it would be located off of Vado Drive and that there would be 47 homes. Mr. Tellez also inquired about the discussion with Moy Surveying about the proposed lot split/possible subdivision off of Corona and Hawk Roads and asked if there was any decision as to how it would be developed. Mr. Martin Lopez responded that it was still in the preliminary stages.
  - B. **Operations:** Operations Manager Mike Lopez provided a written report and stood for questions. He provided an update on the recently acquired vacuum/sewer jetter and its performance. He stated that he was still waiting on the truck that will pull the trailer the sewer jetter is on, and he mentioned that there will be more operations training on the usage of the sewer jetter in the upcoming months.
  - C. **Projects:** Ms. Karen Nichols provided a written report and stood for questions. She updated the board on the USDA-RD Transfer and Assumption Application Packages and the closing, which would be taking place at 1:30 p.m. on Wednesday, December 9, 2015. She stated that the art that had been purchased for the La Mesa building through the Art in Public Places Program using Capital Outlay monies should be arriving

soon. Mr. Tellez asked about the status of the Veteran's Road Project. Ms. Nichols stated that preliminary work has begun. Mr. Holguin asked questions regarding the 2016 Legislative session and the status of our bill in the legislature. Ms. Nichols advised him that our bill had passed all committees and the Senate Floor but did not make it to the House Floor by the end of the session. If the LRGPWWA can get the Governor to authorize the bill being heard we will try again in the upcoming session. Mr. Holguin advised that he had met with Representative Gomez last week and he might be able to assist us with our bill. Mr. Holguin also inquired about the El Valle Alliance and Martin Lopez explained they were a group of water systems in northern New Mexico. Both Mr. Tellez and Ms. Boothe asked if any more had been heard from Vencor Engineering regarding the waterline extension project. Mr. Martin Lopez and Ms. Karen Nichols reminded them that Vencor had provided a letter to the board withdrawing their complaint. The Board was also advised that the easement issue in Berino had also been solved.

- D. **Finance:** Ms. Kathi Jackson was not present at the board meeting because of the ongoing audit, and billing and financial management software programming. Ms. Jackson provided the draft Profit and Loss Statement for November, which was uploaded to the LRGPWWA website and included in the Board Packets for the December meeting.

#### VIII. Unfinished Business

- A. **Motion to convene in closed session pursuant to NMSA 1978 10-15-1 H.2 to discuss a limited personnel matter regarding the General Manager's evaluation:** Postponed until January 20, 2016.

#### IX. New Business

- A. **Motion to approve staff and board travel and per diem for Legislative Session as needed:** Mr. Holguin asked when staff would be travelling. Mr. Martin Lopez advised staff would travel as needed and for Colonias Day at the Legislature. Mr. Tellez asked how many staff members would be travelling. Mr. Martin Lopez advised him that there were usually two or three staff members travelling up to the Legislature. Mr. Tellez made the motion to approve staff and board travel and per diem. Ms. Boothe seconded the motion and the motion passed with none opposed.
- B. **Santa Teresa International Rail Study presentation and possible motion to direct staff to provide feedback:** a Power Point presentation was shared describing the proposed project. The board discussed the potential impact of this proposed project. Mr. Tellez made the motion to request a presentation in the upcoming months from Mr. Mattiace, Executive Director of the New Mexico Border Authority, in order to gather more information about the proposed project. Ms. Boothe seconded the motion and the motion passed with none opposed.
- C. **Motion to approve Employee Incentives:** Mr. Tellez made the motion to approve an incentive of \$100.00 to all employees. Mr. McMullen seconded the motion and the motion passed with none opposed.
- D. **Motion to approve waiver of Membership Fees for Valle Del Rio Water System customers:** Ms. Boothe clarified that this waiver was for existing customers only. Ms. Boothe then made the motion to approve the waiver. Mr. Tellez seconded the motion. The motion passed with none opposed.

#### X. Other discussion and agenda items for next meeting:

- A. BECC Water Audit Work Sessions for Board and Staff tentatively set for 1/20/16. Ms. Nichols explained that there would be an overview of the Audit at the Regular Board Meeting scheduled for 1/20/16 and that the 1:00 p.m. work session would be more detailed.
- B. Resolution for closing on DWSRLF funds for Valle Del Rio Project
- C. Surface/brackish water treatment facility project could be a potential agenda item

D. A rate structure for Organ sewer-only customers needs to be developed and could be a potential agenda item.

XI. **Adjourn:** Mr. Tellez made the motion to adjourn, Mr. Holguin seconded the motion, and it carried unanimously. Mr. Holguin declared the meeting adjourned at 10:29 a.m.

**Minutes approved January 20, 2016**

ABSENT \_\_\_\_\_  
Roberto Nieto, Chairman (District 5)

\_\_\_\_\_  
John Holguin, Vice-Chairman (District 4)

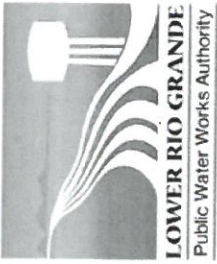
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Alma Boothe, Secretary (District 2)

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Raymundo Sanchez, Director (District 1)

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Carlos Tellez, Director (District 3)

\_\_\_\_\_  
Michael McMullen, Director (District 6)

ABSENT \_\_\_\_\_  
Furman Smith, Director (District 7)



**Lower Rio Grande Public Water Works Authority**  
Sign In Sheet Page 1 of 1

Date: December 9, 2015 Time: 9:30 AM Places: LA MESA Event: Regular Board Meeting

Signature	Print Name, Title, Company or Agency Represented	Contact Information	Email Address
Mike McMullen	MIKE McMULLEN LRGWA	970-302-7852	
<i>[Signature]</i>	<i>[Signature]</i>	575-233-8140	
VIA Lopez	Mrs. Virginia URGONNA LRGWA	575-233-5142	
MARTIN G LOPEZ		575-5713628	
Mike Lopez	LRGWA	625-3921	
John Halpin	LRGWA	575-695-9007	-
Regina Ramirez	Benito	575-636-9468	
Espy Hidalgo	HUD	575-635-1289	
Alma Boothe	LRGWA	915-309-7670	
Dave Barmok	East Moss	382-1992	
Melanie McKinney	Melanie McKinney	621-9620	

# LOWER RIO GRANDE PUBLIC WATER WORKS AUTHORITY

## Meeting Notice & Agenda—REGULAR BOARD OF DIRECTORS MEETING

9:30 a.m. Wednesday, December 9, 2015 at our La Mesa Office, 521 St. Valentine, La Mesa, NM 88044.

Agendas are final 72 hours prior to the meeting and may be obtained at any LRGPWWA Office—call 575-233-5742 for information

- I. Call to Order, Roll Call to Establish Quorum: District #1 (Mr. Sanchez)\_\_\_, #2 (Ms. Boothe)\_\_\_, #3 (Mr. Tellez)\_\_\_, #4 (Mr. Holguin)\_\_\_, #5 (Mr. Nieto)\_\_\_, #6 (Mr. McMullen)\_\_\_, #7 (Mr. Smith)\_\_\_.
- II. Pledge of Allegiance
- III. Motion to approve the Agenda
- IV. Motion to approve the minutes of November 18, 2015, Regular Board Meeting
- V. Guest Presentations
- VI. Public Input—15 minutes total allotted for this item, 3 minutes per person
- VII. Managers' Reports
  - A. General Manager
  - B. Operations
  - C. Projects
  - D. Finance
- VIII. Unfinished Business
  - A. Motion to convene in closed session pursuant to NMSA 1978 10-15-1 H.2 to discuss a limited personnel matter regarding the General Manager's evaluation – POSTPONED TO 1/20/16
- IX. New Business
  - A. Motion to approve staff and board travel & per diem for Legislative Session as needed
  - B. Santa Teresa International Rail Study presentation and possible motion to direct staff to provide feedback
  - C. Motion to approve Employee Incentives
  - D. Motion to approve waiver of Membership Fees for Valle Del Rio Water System customers
- X. Other discussion and agenda items for **next meeting, 9:30 a.m., January 20, 2016 at the La Mesa Office**
  - A. BECC Water Audit Work Sessions for Board & Staff tentatively set for 1/20/16
  - B. Resolution for closing on DWSRLF funds for Valle Del Rio Project
- XI. Adjourn

If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aide or service to attend or participate in the hearing or meeting, please contact the LRGPWWA office at 575-233-5742, PO Box 2646, Anthony NM 88021 OR 215 Bryant St., Mesquite NM at least one week prior to the meeting or as soon as possible. Public documents, including the agenda and minutes, can be provided in various accessible formats. Please contact the LRGPWWA office if a summary or other type of accessible format is needed.

Si es un individuo con una incapacidad esta en necesidad de un lector, amplificador, lenguaje por señas, o cualquier otra forma de asistencia o servicio para atender o participar en las juntas, por favor llame a la oficina LRGPWWA, 575-233-5742, PO Box 2646, Anthony NM 88021 O 215 Bryant St., Mesquite NM una semana antes de la junta o en cuanto posible. Documentos públicos, incluyendo la agenda y minutos, están disponibles en varios formatos. Por favor opóngase en contacto con la oficina LRGPWWA si un resumen o otro tipo de forma accesible es necesario.

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Michael McMullen, Director (District 6)

ABSENT \_\_\_\_\_

Furman Smith, Director (District 7)



**LRGPWWA**  
**Manager's Report**  
**December 9, 2015**

- Heating/Cooling System replaced at Desert Sands Office
- Additional electrical outlets installed at Mesquite Office to accommodate new phone system
- Preliminary discussion with Tierra Del Sol for a proposed subdivision off Hwy 227 in Vado
- Preliminary discussion with Moy Surveying for a proposed lot split or possibly a new subdivision off Corona Road and Hawk Road on the East Mesa
- Health Insurance Policies have been renewed
- Inquiry from the NM Secretary of State on the status of Vado MDWCA reporting requirements-resubmitted a copy of our statute

## **Lower Rio Grande PWWA**

### **Operators Report**

**December 9, 2015**

#### **System Problems and Repairs.**

- Backflow inspections are current.(Mesquite District)
- The wetlands project continues.
- Parts for Well #6 have been delivered production crew will begin on 12/10/2015.
- For the Month of October we have been issued 208 work orders.
- For the Month of November we have been issued 211 work orders.
- Arroyo well will be back in service by week end of 12/11/2015.
- We have received our new Vacuum combo jetting trailer along with eight hours of training.
- The Tank Diving crew came and cleaned out the Alto De Los Flores Tank on 12/7/2015

**NMED:** All of our Monthly Bac-T-Samples were taken for the month of May and all samples were negative.

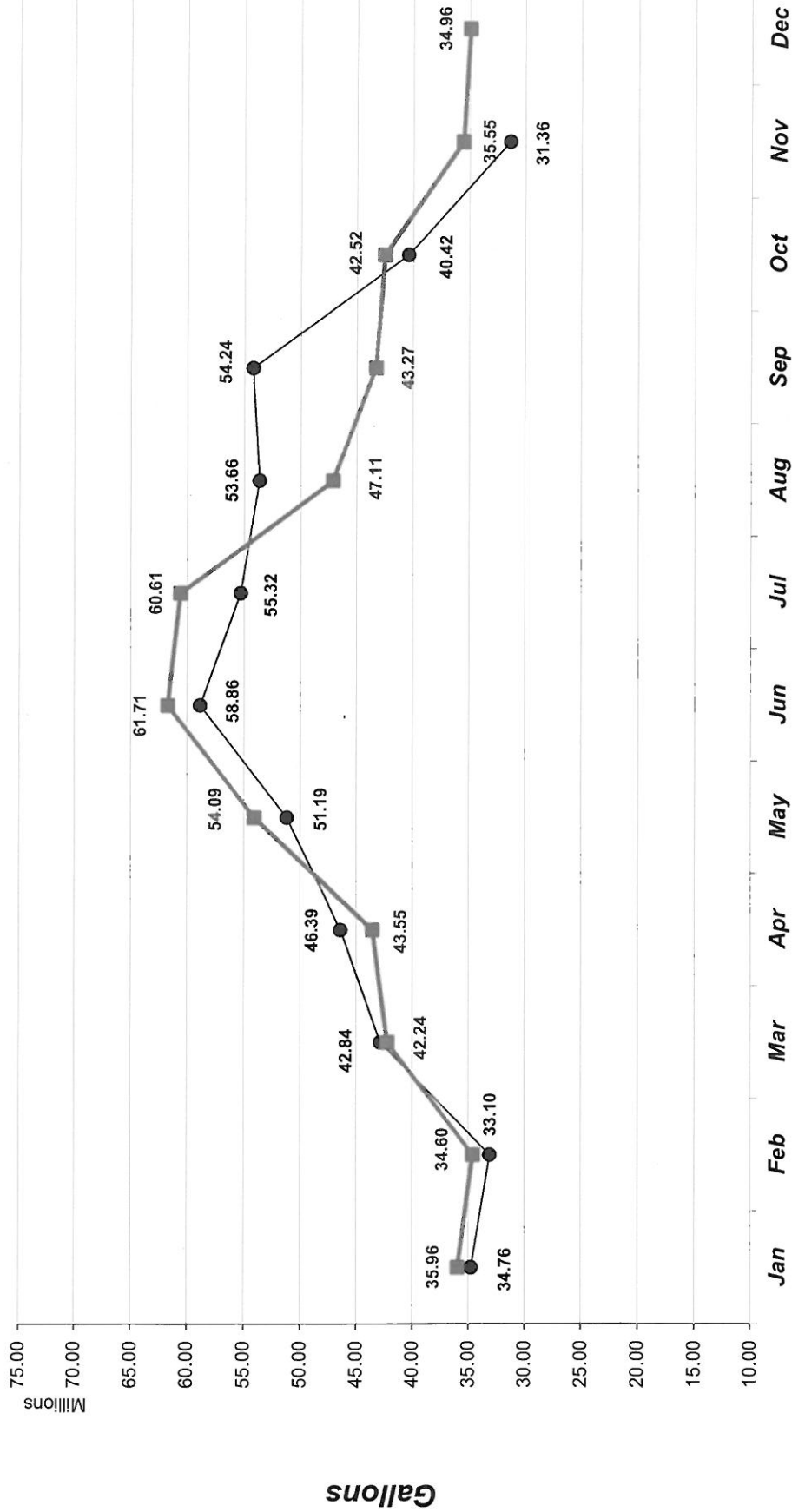
**Mesquite district Wetlands:** Demo continues.

**Mesquite Sewer Report.** Due in February 2016

**Chlorine:** No problems.

**Reports:** NMED, State Engineers, and the water conservation reports have been sent.

# Lower Rio Grande PWWA Water Production Report



● 2015 Production    ■ 2014 Production

**LOWER RIO GRANDE PUBLIC WATER WORKS AUTHORITY  
PROJECTS REPORT – 12/9/15 BOARD OF DIRECTORS MEETING**

**Authority Construction Projects:**

**LRG: 11-02.1 - Mesquite Wastewater Project – Gannett Fleming– CONSTRUCTION Stage – Layne Southwest - RD \$7,262,081, CITF \$1,670,257:** Trailer-mounted vacator/jetter unit has arrived. Operator training was held 11/20/15, and Liza videoed it. Remaining funds will be used along with RD Vehicle Purchase Project funds toward purchase of the 1-ton truck necessary to pull the unit.

**LRG-11-02.2 – Mesquite-Brazito Sewer Project – Bohannon Huston, Inc. – LOC Stage – NMFA PG/SAP funded Planning, \$30k 2014 SAP, \$540,608 2014 CITF (10% Loan), USDA-RD Loan \$357,000 @ 3.250%, Grant \$1,194,919, Colonias Grants of \$6,356,474 & \$119,407:** BHI has set up the project on their Project Tracker system online as has begun working on the PER update to try and reduce the number of grinder pumps and the sewer model update.

**LRG-11-03 – Interconnect & Looping Project – see 12-01 Authority PER**

**LRG-11-04 – Berino/ Mesquite-Del Cerro Water System Project WTB #223 – Vencor – Construction Stage - Smithco – RD - \$5,420,147/WTB - \$4,371,630****Berino Area:** Contractor did not purchase any additional material. Contractor installed 428 LF-12" PVC C900 Pipe, 2525 LF 8" PVC C900 Pipe, 1867 LF 6" PVC C900 Pipe, 129 LF 12" DI Pipe, 36 LF 8" DI Pipe, 1 ea 8" RW GVs, 2 ea 6" RW GVs, 1 ea 2" RW GV, 2 Fire Hydrants, 178 S.Y. Asphalt Replacement, 2 ea 1" AVV plus related water components.

Contractor has secured the Berino BNSF bore location after attorney secured the temporary easement. The bore pit has been started after localizing existing utilities; dewatering measures will need to be taken. Contractor is currently installing 12" PVC C900 waterline on NM478 in a historic area which will require extensive hand digging so as not to disturb existing conditions.

**LRG-11-05 – Surface Water Treatment Plant WTB #252– Bohannon Huston - Design stage - \$750,000 WTB – 10% Loan 10% Match:** The final PER amendment has been approved by NMED-CPB. The Water Trust Board approved the scope change and time extension on 12/2/15. The remaining project funds will be used to complete the PER recommendations for improvements to the southeast service area that has seen a lowering water table and well problems. This will involve a new well, water treatment and storage reservoir improvements.

**LRG-12-01 – Authority Water System Improvements PER 2013 – Vencor – Planning Stage - CDBG Planning Grant \$50,000, NMFA Planning Grant \$37,500 & \$12,500 Local Match:** PER is a complete, planning grants have both closed.

**Forty-Year Water Plan – CE&M – complete – needs update for new mergers:** pending NM-OSE comments/approval.

**LRG-13-02 – System-wide Information Technology Standardization - Software - \$175,000 NM STB – Tyler Technologies:** Six requisitions have been submitted to NMED-CPB and paid. Change Order #2 to further reduce the scope of the data conversion is in preparation at Tyler. Tyler staff has been on-site, and the Finance Manager's report will discuss their progress.

**LRG-15-01 – System-wide Information Technology Standardization - SCADA - \$130,000 NM STB – Molzen Corbin:** Notice to Proceed was issued to Molzen Corbin, will be scheduling a meeting for site visit on 12/17/15.

**LRG-13-03 – Water System Purchase Project – RFP/Planning/Design Stage - \$1,197,708 DWSRLF funding - \$898,281 principal forgiveness – 299,427 loan repayment:** Closing Resolution will be on the January 20<sup>th</sup> agenda, RFP for engineering services has been issued with a deadline of January 4<sup>th</sup>, and initial correspondence has been mailed to VDR customers.

**LRG-13-01 – Brazito Water System Improvements – Souder, Miller & Associates. – Construction Phase - Western Building & Development - \$523,354 NM CITF Grant, \$58,150 Loan, \$58,150 Match Requirement, 2014 CITF \$157,986 (10% loan):** The contractor did not meet substantial and final completion due dates of 8/28/15 and 9/11/15 respectively. To date the project has not been completed and/or accepted. Western Building and Development did not meet the specifications for asphalt density and smoothness. The contractor was asked to remove and replace the defective asphalt. On November 10, 2015, SMA submitted an additional request for a plan of action for the completion of the project to the contractor. Contractor has met with county in an attempt to get them to accept the work, and there is a possibility that they will accept a partial removal of the pavement and asphalt overlay of both lanes in lieu of complete removal and repaving of the one lane. SMA is meeting with county staff on 12/4/15 to discuss the specifications for that. Meanwhile, the contractor directly contacted NMFA about payment prior to submitting an application for payment on 12/2/15 which included the pavement that does not meet specifications. Only about \$150 or so of the Pay App. is eligible for payment at this point, there are density and bac-T reports still pending, and the amount that can be approved is too little to process.

**LRG-14-01 – Waterline Extension Project (incl. Veterans Road) – Design/Build - \$882,430 CITF incl. 10% Loan – Parkhill, Smith & Cooper:** Preliminary work has begun.

#### **Other projects:**

**Water Audit – BECC:** Draft audit has been circulated to staff for comments. We are looking at having a presentation for the Board at the 1/20/16 meeting followed by a more in-depth staff work session that afternoon.

**USDA-RD Transfer & Assumption Application Packages:** All three applications were submitted 1/7/13, Letter of Conditions notebooks were submitted to USDA-RD on 5/27/15, closing is set for December 9, 2015.

**USDA-RD Community Facilities Grant/Loan for Vehicle Purchase – LOC - \$46,600 Grant/\$103,400 Loan:** Letter of Conditions binders were submitted to USDA-RD in October.

**Infrastructure Capital Improvements Plan 2017-2021:** Final for this year.

**Documents Retention & Destruction** – Sorting of old association documents for storage or destruction is ongoing, and staff is implementing approved retention/destruction schedules for LRGPWWA documents.

**Website and Email** – Notices and Board Minutes pages are current. Other updates are ongoing.

**Training** –Liza and I are signed up for an AWWA Water Audit Training in January.

**Lower Rio Grande Water Users Organization** – nothing to report

**US-EPA Regionalization Case Study** – I received a draft and submitted edits on 2/2/15. Case study has not yet been published. I have followed up a few times, and it is still under review at EPA.

**EBID Surface Water Plant:** - EBID has submitted their response to NMED-DWB comments as they pertain to the LRGPWWA and to our Surface Water/Brackish Water Treatment Facility Project. More comments have been received, and we will assist them with their response.

**RFP for Alto de Las Flores:** Assisted their board with RFP evaluations. Bohannan Huston was selected.

**2016 Legislature:** Ramon Lucero from El Valle Alliance let us know that the regional water authority legislation will be reintroduced next session, and we need to begin discussion with our legislators about our bill. I've made another request for a meeting with Senator Cervantes. No response yet. Colonias Day at the Legislature will be February 16, 2016.

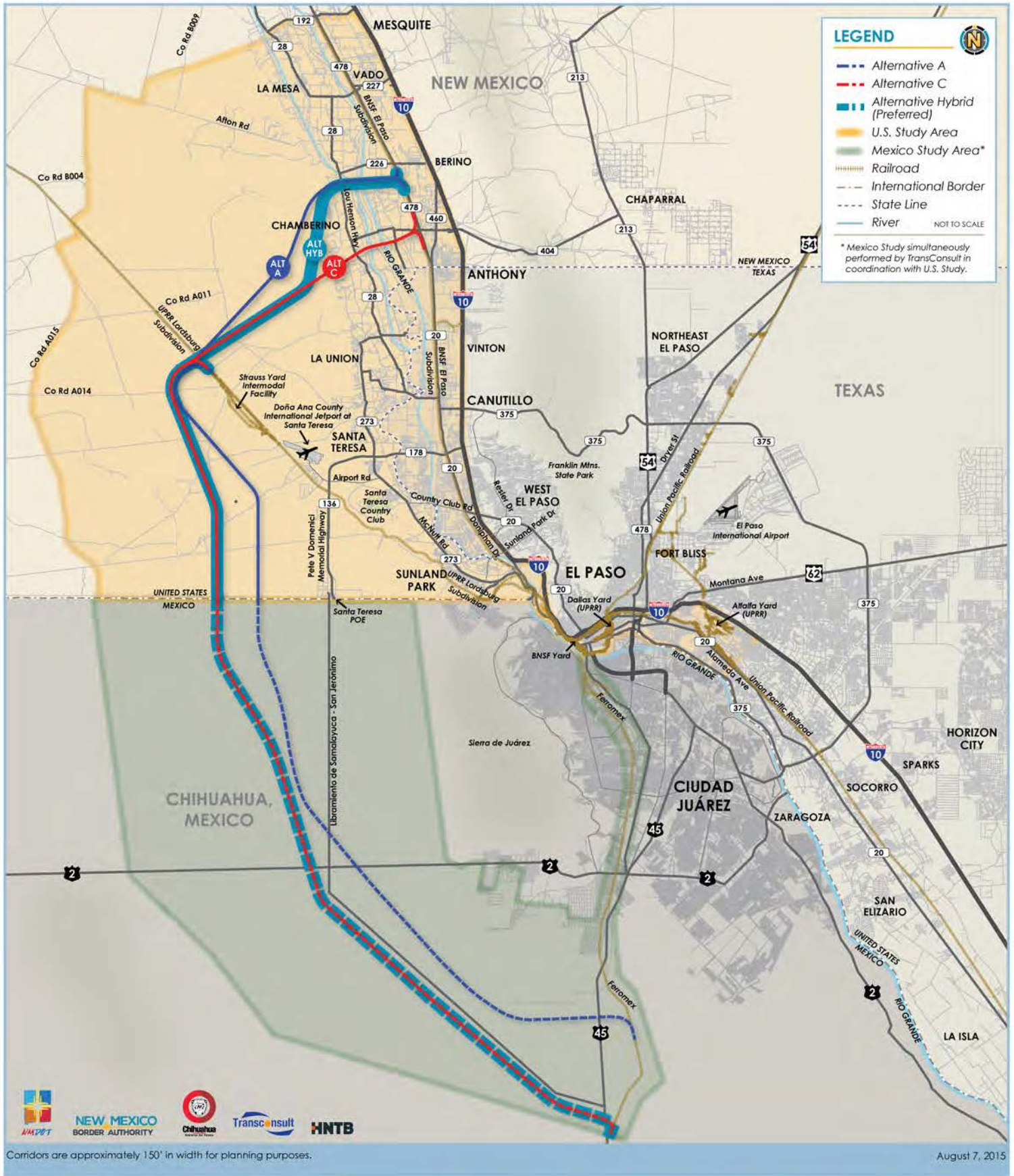
**LRGPWWA**  
**Profit & Loss**  
 November 2015

	<u>Nov 15</u>
<b>Ordinary Income/Expense</b>	
<b>Income</b>	
Credit Card Fees	1,091.90
Interest	49.58
<b>Non-Operating Revenue</b>	
Copy/Fax	32.25
Other Income	878.68
Tower Rent	250.00
<b>Total Non-Operating Revenue</b>	<u>1,160.93</u>
<b>Operating Revenue</b>	
Activation & Connection Fees	1,630.00
Backflow Testing	100.00
Contract Services	1,653.55
Membership Fees	595.00
Monthly Services	195,431.16
Monthly Services-Sewer	12,155.92
Other Income	500.00
Penalties-Sewer	408.83
Penalties-Water	3,247.95
Returned Check Fees	210.00
Tampering Fee/Line Breaks	500.00
<b>Total Operating Revenue</b>	<u>216,432.41</u>
Professional Fees-Other	5,441.89
<b>Total Income</b>	<u>224,176.71</u>
<b>Cost of Goods Sold</b>	
Cost of Goods Sold	-1,500.01
<b>Total COGS</b>	<u>-1,500.01</u>
<b>Gross Profit</b>	225,676.72
<b>Expense</b>	
Accounting, Auditing, Legal	
Bank Service Charges	968.78
Legal Fees	324.93
Licenses & Fees	386.00
Meals	41.13
Permit Fees	554.16
Postage	1,481.12
Retirement Account Fees	412.50
Travel	
Lodging Per Diem	235.30
Meals Per Diem	92.00
Travel - Other	563.70
<b>Total Travel</b>	<u>891.00</u>
<b>Total Accounting, Auditing, Legal</b>	5,059.62
<b>Depreciation Expense</b>	
Sewer	22,148.00
Water	67,626.02
<b>Total Depreciation Expense</b>	<u>89,774.02</u>



**LRGPWWA**  
**Profit & Loss**  
 November 2015

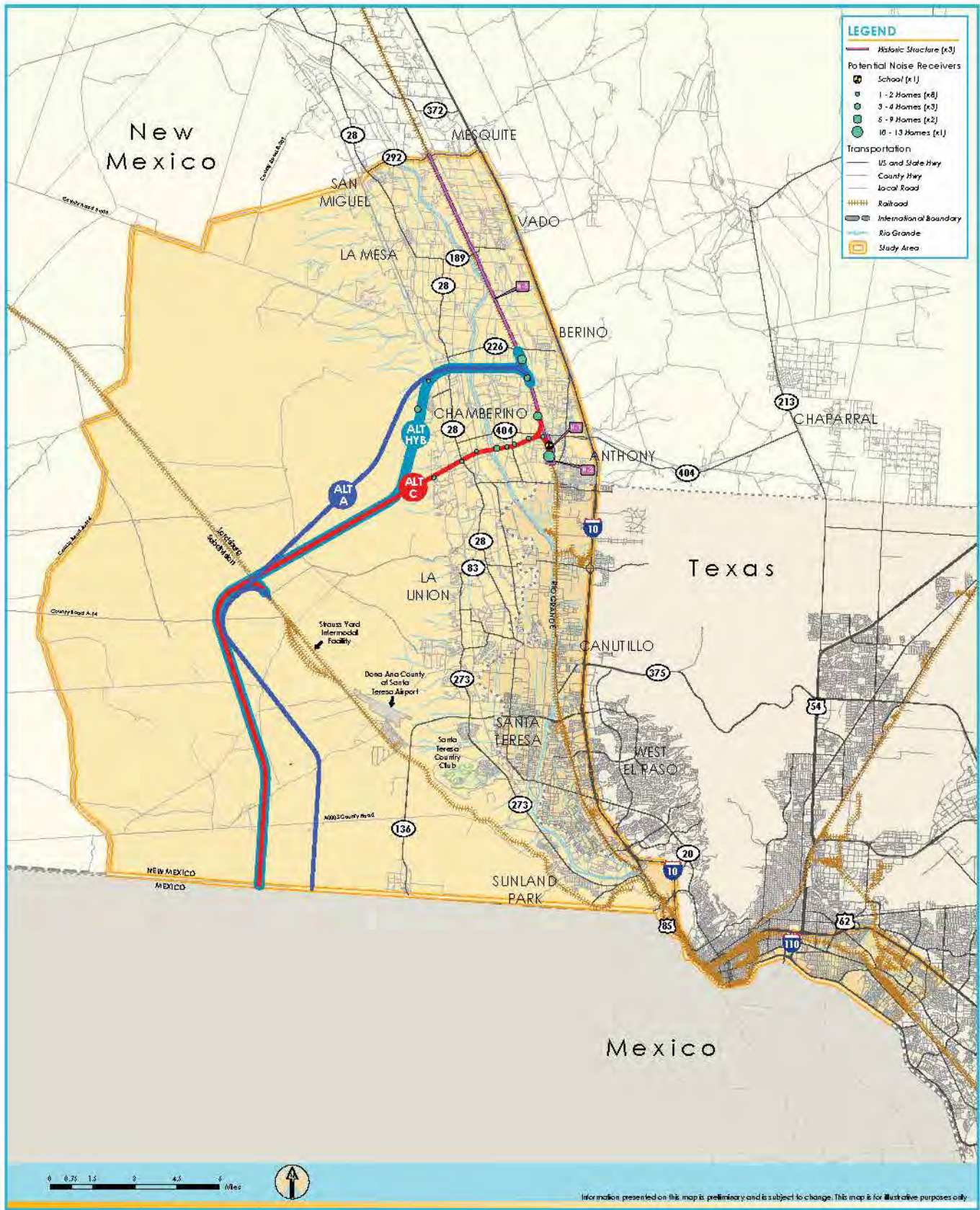
	<b>Nov 15</b>
<b>Salaries</b>	
401K 10% Company Contribution	0.00
Accrued Leave	2,565.88
Administrative Labor	19,597.06
Clerical Labor	17,050.32
Employee Benefits-401K Contrib	2,350.75
Insurance-Dental	757.43
Insurance-Health	9,761.44
Operations Labor	26,251.87
Payroll Taxes-Medicare	949.24
Payroll Taxes-Social Security	4,058.84
Payroll Taxes-State Unemploymen	0.00
<b>Total Salaries</b>	<b>83,342.83</b>
<b>Sewer</b>	
Electricity-Sewer	782.91
Lab & Chemicals-Sewer	2,548.70
<b>Total Sewer</b>	<b>3,331.61</b>
<b>Supplies</b>	
Automobile Repairs & Maint.	
LRG-06	15.38
LRG-11	1.31
Automobile Repairs & Maint. - Other	38.24
<b>Total Automobile Repairs &amp; Maint.</b>	<b>54.93</b>
Computer Maintenance	307.56
Fuel	4,690.30
Lab, Chemicals-Water	
Chemicals	43.50
<b>Total Lab, Chemicals-Water</b>	<b>43.50</b>
Maintenance & Repairs-Other	11.23
Materials & Supplies	3,782.18
Office Supplies	110.56
Printing and Copying	77.14
Tool, Furniture	199.29
Uniforms-Employee	3,081.32
<b>Total Supplies</b>	<b>12,358.01</b>
<b>Taxes, Liability, Insurance</b>	
Cobra Fee	75.00
Insurance-Vision	200.38
Property Insurance	2,967.00
Water Conservation Fee	1,212.46
<b>Total Taxes, Liability, Insurance</b>	<b>4,454.84</b>
<b>Utilities</b>	
Cell Phone	1,235.39
Electricity-Lighting	1,197.84
Electricity-Wells	1,085.86
Garbage Service	116.29
Natural Gas	125.03
Telephone	1,018.83
<b>Total Utilities</b>	<b>4,779.24</b>
<b>Total Expense</b>	<b>203,100.17</b>
<b>Net Ordinary Income</b>	<b>22,576.55</b>
<b>Net Income</b>	<b>22,576.55</b>



# SANTA TERESA INTERNATIONAL RAIL STUDY

## Preferred Alternative

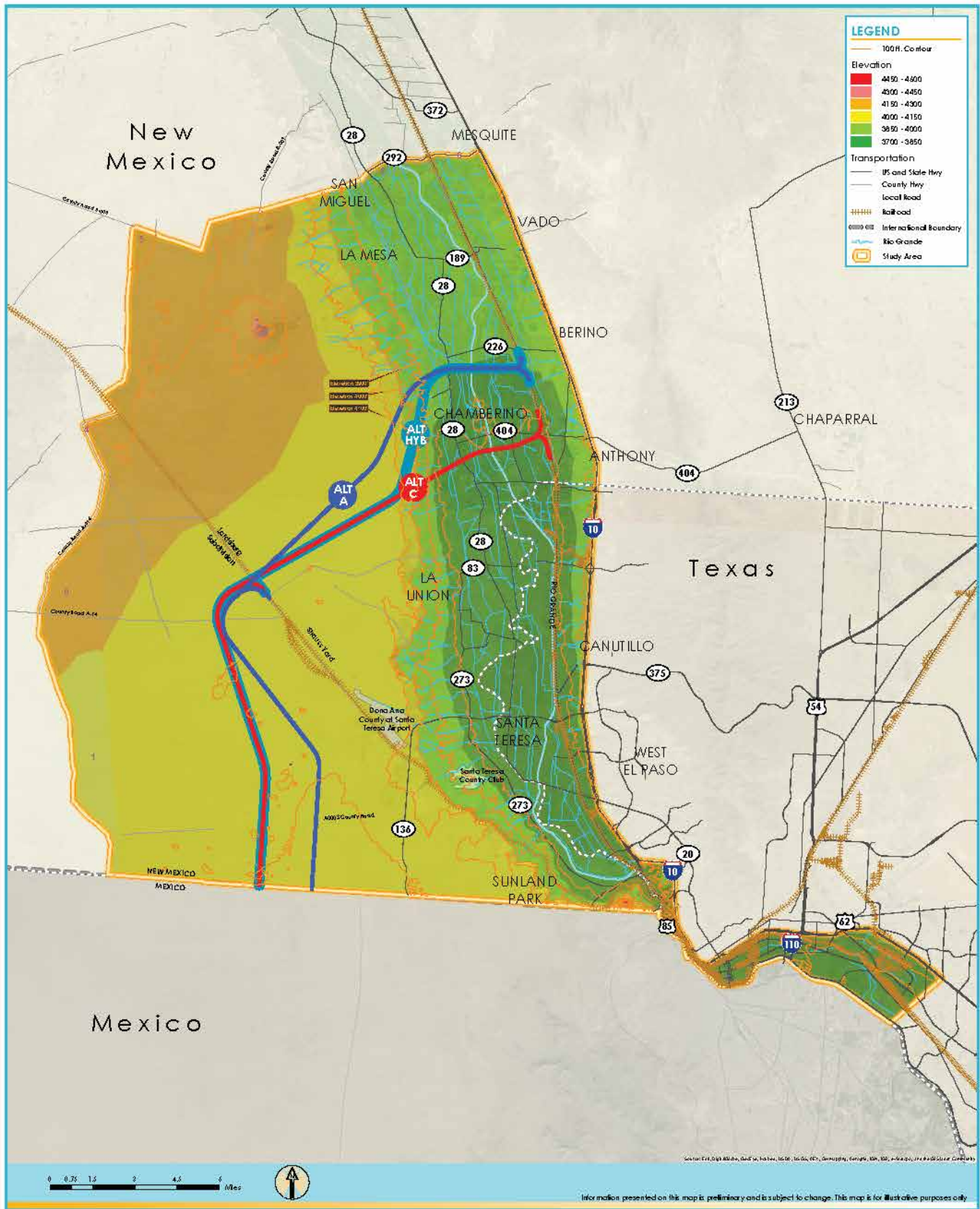




## SANTA TERESA INTERNATIONAL RAIL STUDY

### Potential Noise receptors, Schools and Section 4(f) Properties

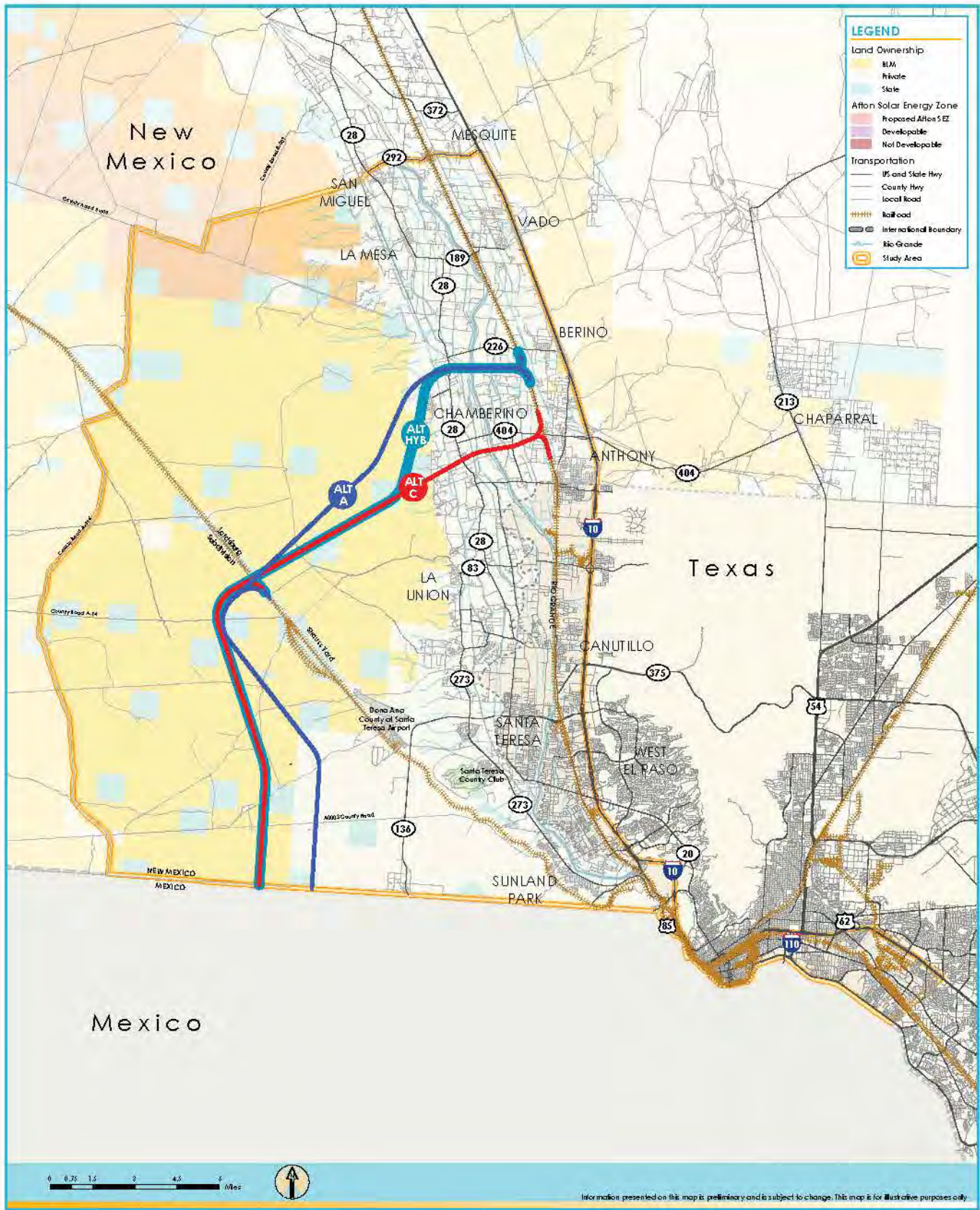




# SANTA TERESA INTERNATIONAL RAIL STUDY

## Study Area Elevation Map

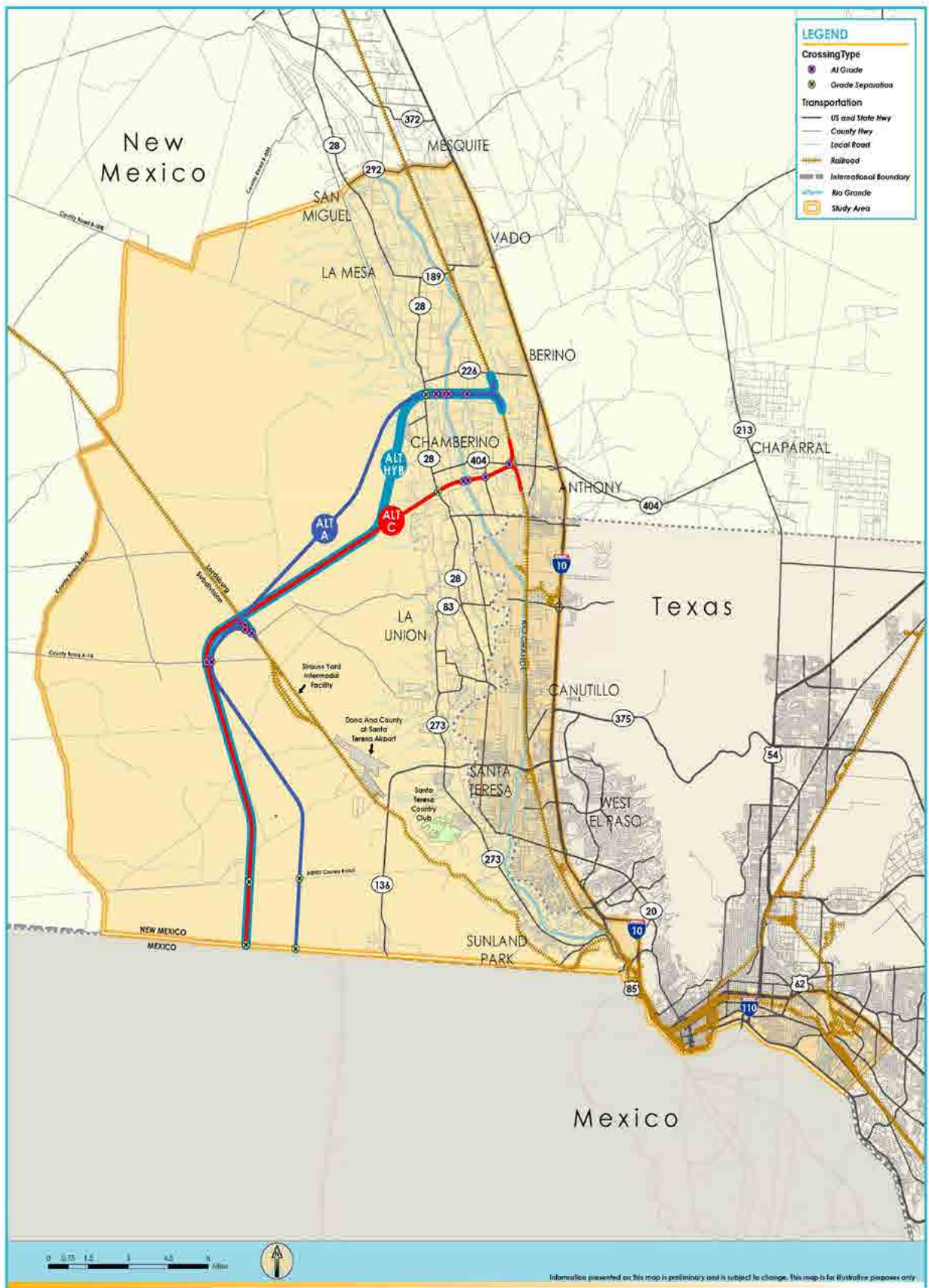




# SANTA TERESA INTERNATIONAL RAIL STUDY

## Land Ownership Map





# SANTA TERESA INTERNATIONAL RAIL STUDY

## Rail Crossings Map



SANTA TERESA  
INTERNATIONAL RAIL STUDY  
TECHNICAL ADVISORY COMMITTEE #3  
LOCATION: GADSDEN ISD BOARD ROOM

August 19, 2015

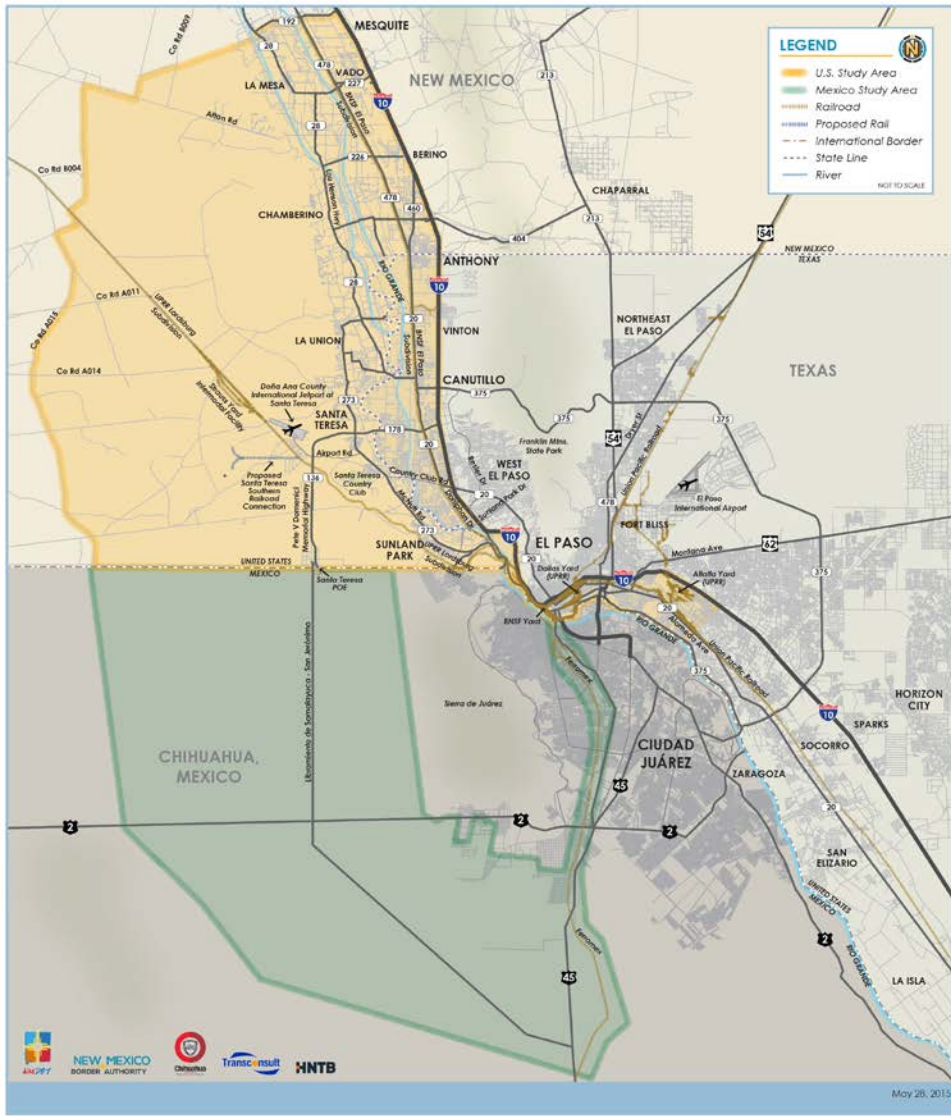


# Agenda

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- Welcome/Introductions
- Project Overview
- Bi-National Coordination Process
- Project Status - Mexico
- Alternatives Analysis
  - Evaluation matrix
  - Preferred alternatives
- Table Discussion on Preferred Alternative
- Group Discussion
  - Advantages and Challenges
- Next Steps





# Feasibility Study Status

- ▣ NMBA is lead agency for U.S.
  
- ▣ State of Chihuahua is lead for Mexico



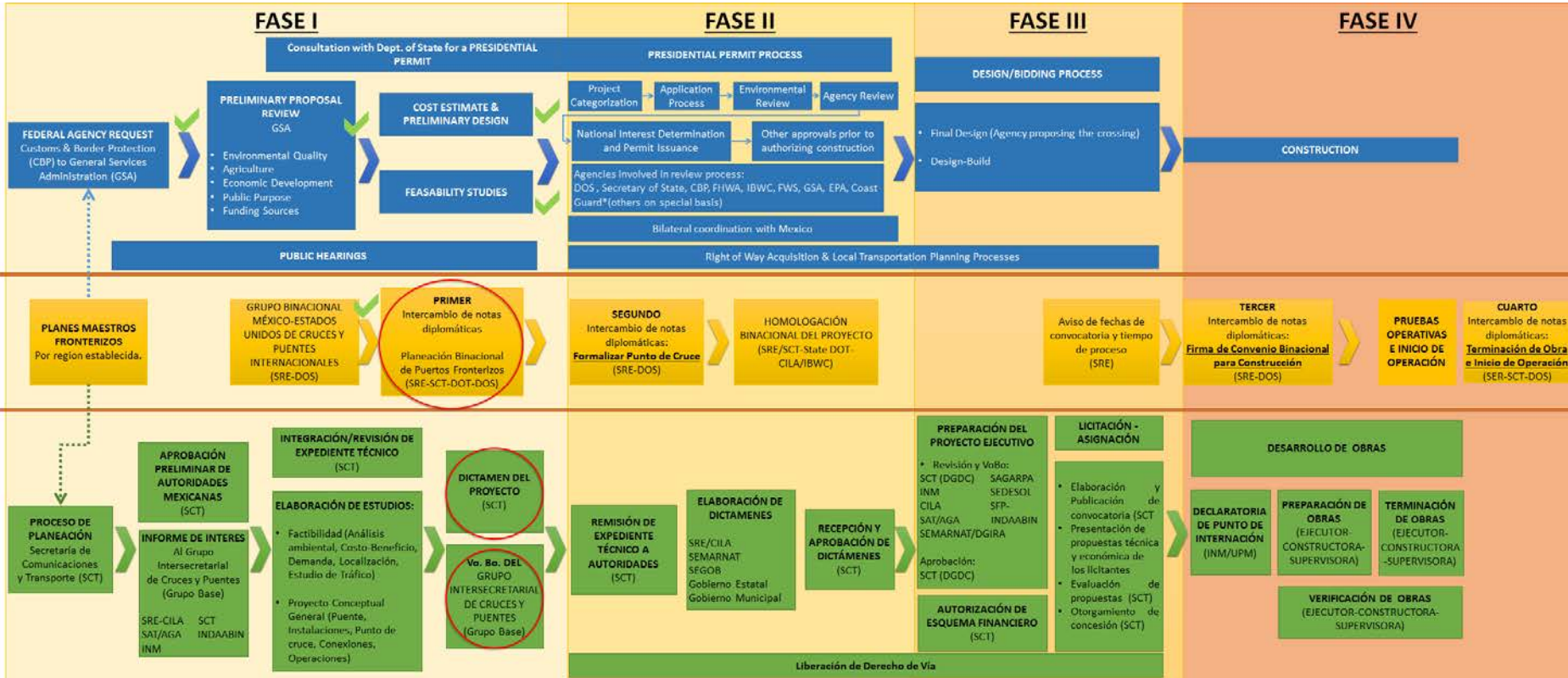
## SANTA TERESA INTERNATIONAL RAIL STUDY

### Proposed Study Area Map

# Bi-National Coordination

4

Instrumentación en Estados Unidos



# Project Status - Mexico

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- Regulatory Agencies
  - SAT(Customs)/SAGARPA/INDAABIN/INM(Migration agency)/SCT (Transportation Ministry)
  - Criteria of regulatory agencies for new POE
  - SAT & SAGARPA yard facilities based on the design of Matamoros Brownsville Rail Bypass
- Transportation Company
  - Ferromex
  - Current operational constraints and requirements for the new rail bypass
- Industry
  - Rail cargo market requirements
- Stakeholder input

# Project Status - Mexico

## Preliminary Alternatives

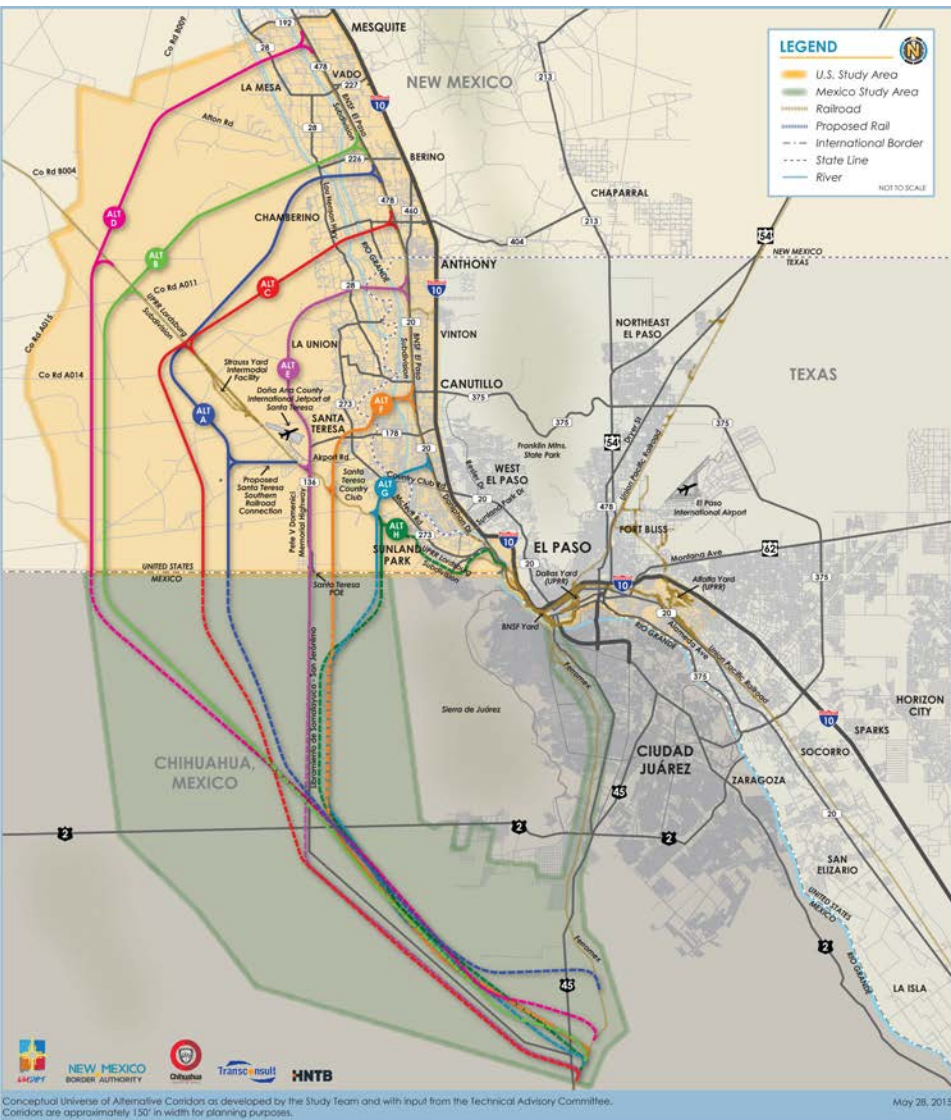
Criterion	A	B	C	D	E	F	G
<b>Environmental/Social impact</b>							
Potential for impacts to ecological conservation areas (green>1, yellow=1, orange<1 based on point scoring system)	Green	Green	Green	Green	Yellow	Yellow	Yellow
Potential for impacts to urban reserve areas according to Urban Development Plan (green>1, yellow=1, orange<1 based on point scoring system)	Green	Green	Green	Green	Orange	Orange	Orange
Risk of unplanned urbanization (green= low, yellow= medium, orange= high)	Yellow	Green	Green	Green	Orange	Orange	Orange
<b>Operation</b>							
Optimal location crosspoint (qualitative according to Aduanas/Sagarpa)	Yellow	Orange	Yellow	Orange	Green	Green	Green
<b>Engineering feasibility</b>							
Length of corridor (S.C.T. criteria)	Yellow	Orange	Yellow	Orange	Green	Green	Green
Constructability challenges for alternative (grades, access, etc.)	Green	Yellow	Green	Yellow	Yellow	Yellow	Yellow
<b>Safety</b>							
Number of potential road-rail at grade crossing locations along corridor (green<16, yellow 16-24, orange>24)	Orange	Orange	Orange	Orange	Yellow	Green	Green
Number of potential overpasses in major highways rail crossing along corridor (green 1, yellow 2, orange 3 or more)	Yellow	Yellow	Yellow	Yellow	Orange	Orange	Orange

# Previous TAC Comments

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- Priorities Identified by TAC:
  - Economic development
  - Land ownership
  - Associated roads and traffic impacts
  - Safety /Security near border
  - Distance to existing rail facilities
  - Distance to airport access





# Universe of Alternatives



## SANTA TERESA INTERNATIONAL RAIL STUDY

# Universe of Alternatives

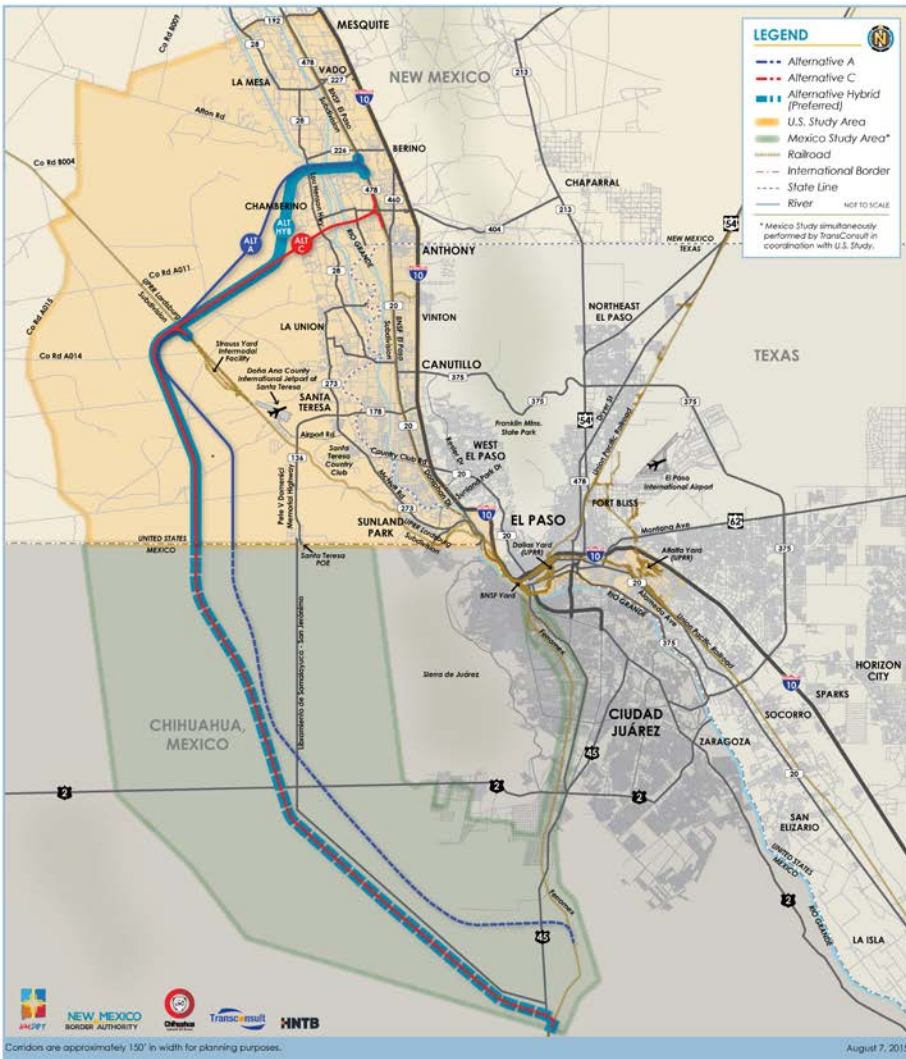
TECHNICAL ADVISORY COMMITTEE MEETING #3



# Evaluation of Alternatives

## Initial Evaluation Criteria

Criterion	Preliminary Alternatives						
	A	B	C	D	E	F	G
Operations/Mobility	Green	Yellow	Green	Orange	Yellow	Yellow	Yellow
Safety	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Orange
Environmental/Community	Green	Yellow	Green	Yellow	Yellow	Orange	Yellow
Engineering Feasibility/Constructability	Green	Yellow	Green	Yellow	Green	Orange	Orange
ROW Feasibility/Property Ownership	Green	Green	Yellow	Yellow	Yellow	Green	Orange
Cost	Yellow	Orange	Orange	Orange	Yellow	Green	Green



# Detailed Evaluation of Alternatives

- ▣ Alternative A
- ▣ Alternative C
- ▣ Alternative Hybrid



## SANTA TERESA INTERNATIONAL RAIL STUDY Preferred Alternative





# Detailed Evaluation of Alternatives

## Detailed Evaluation Criteria

Criterion	Preliminary Alternatives		
	A	C	Hybrid
Operations/Mobility	Yellow	Green	Green
Safety	Yellow	Yellow	Yellow
Environmental/Community	Green	Yellow	Yellow
Engineering Feasibility/Constructability	Orange	Orange	Green
ROW Feasibility/Property Ownership	Yellow	Yellow	Yellow
Cost	Yellow	Orange	Green
Public Input/Agency Input			

# Preferred Alternative - Hybrid

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- Delineating factors
  - Easier to construct
  - Lower cost than other alternatives
  - Aligns with Mexico's preferred border crossing location
  - Fewer social/community impacts

# Table Discussions on Alternatives

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## Hybrid Alternative

- Advantages
- Challenges



**SANTA TERESA INTERNATIONAL RAIL STUDY**  
**Preferred Alternative**

TECHNICAL ADVISORY COMMITTEE MEETING #3



# Group Discussions - Results

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## Hybrid Alternative

- Advantages
- Challenges



# Next Steps

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- Complete Feasibility Study Report
  - Recommend preferred alternative
  - Identify funding options for implementation
- Subsequent Phases
  - Agreement with railroads and key stakeholders
  - Formalize the Presidential Permit
  - Initiate the NEPA process
  - Continue project development
  - Obtain construction funding

# Project Contact Information

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- Email - [SantaTeresaRailStudy@BHINC.com](mailto:SantaTeresaRailStudy@BHINC.com)
- Phone - 505-923-3322
- Website - [www.nmborder.com](http://www.nmborder.com)