

YUMA METROPOLITAN PLANNING ORGANIZATION

2014-2037



"Local Governments
And Citizens
Working Together"

Yuma San Luis Cocopah

Wellton Somerton Yuma County ADOT













- **♦ Call to order**
- **Summary of March RTP TAC meeting**
- Study progress
- ♦ RTP alternatives
- April focus area discussions and open house
- ♦ Next steps
- **♦ Roundtable discussion**











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STUDY PROGRESS

- Addressed comments on draft model documentation
- Reviewed ADOA population projections for "places"
- Finalized Technical Memo 2 (no comments)
- Prepared/distributed assignment on project priorities
- **Occupied** Work on RTP elements
- Attended/received comments at Yuma County Fair
- Prepared for focus area discussions and open house











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- **♦ RTP alternatives**
 - Capital project priorities (TAC assignment)
 - TIP consistency with capital improvements
 - Air quality conformity
 - Progress on other RTP elements



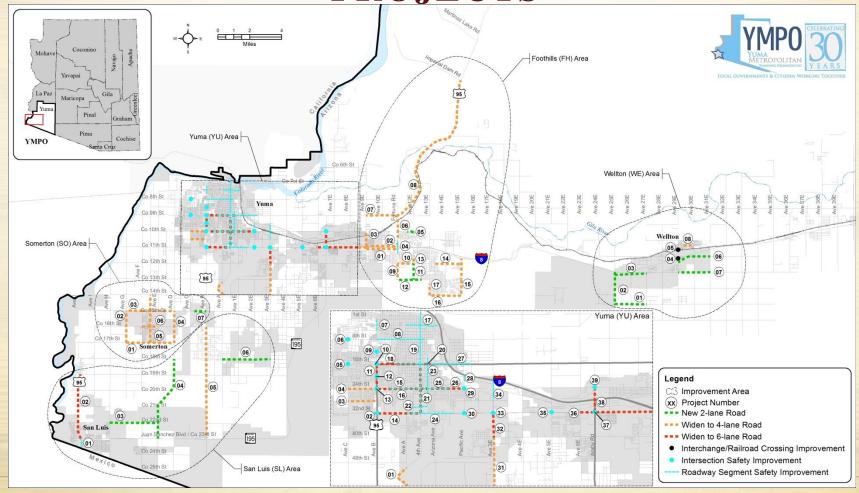








CAPACITY, PAVING AND SAFETY PROJECTS





PROJECT PRIORITIES

- Jurisdictions use different criteria to rank projects
- Projects will be organized and evaluated using MAP-21 criteria
- ♦ MAP-21 performance criteria
 - Addresses identified safety issue
 - Preserves existing infrastructure
 - Addresses identified congestion issue
 - Improves system connectivity and efficiency
 - Promotes economic development
 - Encourages multimodal travel
 - Improves air quality





TAC ASSIGNMENT ON PROJECT PRIORITIES

- Review and edit the relationship of each project to the performance criteria
- Rank order all projects
- Kimley-Horn team will organize projects into a costconstrained capital improvement program using:
 - Estimated revenues (by jurisdiction) for capital improvements over the planning period
 - Potential for addressing performance criteria
- Base capital improvement program will be distributed to the TAC for review and performance-tested using the model



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- ♦ The 1990 Clean Air Act Amendment required the EPA to set <u>national ambient air quality standards</u> (NAAQS) for the six principal air pollutants
- ♦ These pollutants are "criteria" pollutants
 - Carbon Monoxide
 - ◆ Lead
 - Nitrogen Dioxide
 - Ozone

- ◆ Particle Pollution 2.5 microns
- ♦ Particle Pollution 10 microns
- ♦ Sulfur Dioxide











NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS)

Pollutant		Primary/ Secondary	Averaging Time	Level	Form
Carbon Monoxid	e	Primary	8-hour 1-hour	9 ppm 35 ppm	Not to be exceeded more than once per year
Lead		primary and secondary	Rolling 3 month average	0.15 μg/m ³	Not to be exceeded
		primary	1-hour	100 ppb	98 th percentile, averaged over 3 years
Nitrogen Dioxide		primary and secondary	Annual	53 ppb	Annual mean
Ozone		primary and secondary	8-hour	0.075 ppm	Annual fourth-highest daily maximum 8-hr concentration, averaged over 3 years
	DAA	primary and secondary	Annual	15 μg/m³	annual mean, averaged over 3 years
Particle Pollution	PM _{2.5}		24-hour	35 μg/m³	98th percentile, averaged over 3 years
T difficie T difficit	PM ₁₀	primary and secondary	24-hour	150 µg/m³	Not to be exceeded more than once per year on average over 3 years
Sulfur Dioxide		primary	1-hour	75 ppb	99th percentile of 1-hour daily maximum concentrations, averaged over 3 years
		secondary	3-hour	0.5 ppm	Not to be exceeded more than once per year





ATTAINMENT STATUS FOR YMPO

YMPO RTP Technical Advisory Committee Meeting

- The YMPO region is designated as non-attainment for PM10
- A request for re-designation to attainment status with a maintenance plan was submitted to EPA in 2006 (currently pending approval)
- **A Motor Vehicle Emissions Budget** has been established to help the area maintain acceptable PM10 levels













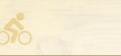
TRANSPORTATION CONTROL MEASURES

- Paving, stabilizing, and/or reducing travel on unpaved streets, roads, and unpaved areas
- Watering unpaved streets, alleys, shoulders, and canal and levee roads
- Sweeping paved streets
- Reducing travel on canal roads
- Constructing improvements such as parking lots and landscaped areas to minimize undeveloped desert in developed areas



AIR QUALITY REQUIREMENTS

- Since the YMPO region is in non-attainment, updates to the RTP must be performed every four years
- A regional air quality conformity analysis is required as a part of the RTP
 - Purpose: To ensure transportation projects recommended as part of the RTP do not result in an exceedance of the Motor Vehicle Emission Budget
- The last update of the region's RTP was finalized in May 2010
 - To maintain consistency with the region's TIP update, this RTP update must be finalized by August 1, 2013





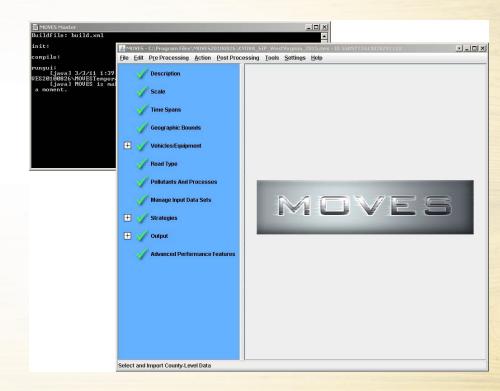






AIR QUALITY MODELING

- New federally-required mobile source emissions modeling program
- More data hungry than old program (MOBILE6.2)
- Data obtained from travel demand model, ADEQ, ADOT, EPA





AIR QUALITY MODELING

- Following the development of a financially constrained project list, we will commence air quality modeling
- Interagency call on April 10 helped to define data needs and methodology
- Air quality modeling parameters and results will be summarized in the RTP





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- Roadway system...in-progress by Kimley-Horn
- Intelligent transportation systems (ITS)
- Safety...in-progress by Kimley-Horn
- **Our Congestion** management
- Bridges and railroad grade separations...in-progress by Kimley-Horn
- ◆ Transit...in-progress by Kimley-Horn
- Bicycle and pedestrian...in-progress by Kimley-Horn
- ♦ Travel demand management









RTP ELEMENTS

- Freight...in-progress by Wilson
- Inland ports, warehousing, distribution centers...inprogress by Wilson
- Aviation...in-progress by Kimley-Horn
- Border infrastructure...in-progress by Wilson
- **♦ Transportation** security
- ♦ Trade and tourism...in-progress by Wilson
- ♦ Economic development...in-progress by Wilson
- Air quality...in-progress by Kimley-Horn



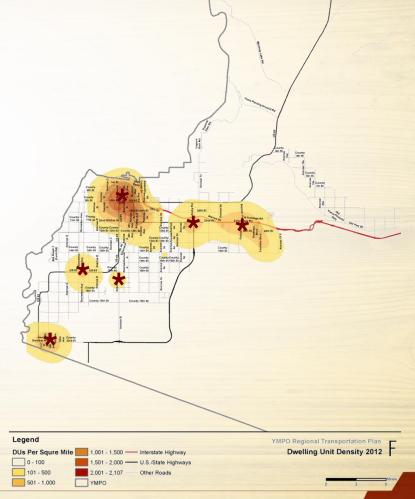


- Transportation improvement projects support economic development by:
 - Improving access to existing population and employment centers
 - Providing new access to future population and employment centers
 - Improving connectivity between existing and future population and employment centers



Existing Population Centers

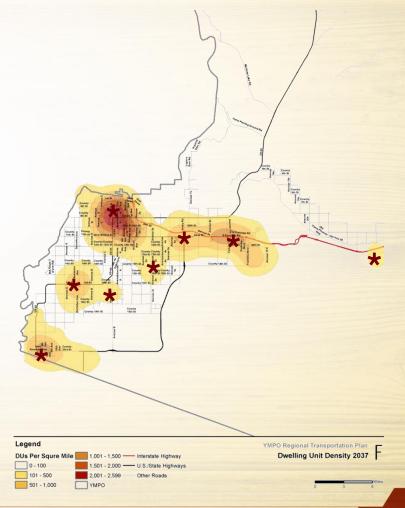
- San Luis: Juan Sanchez Boulevard
- ♦ Somerton: US-95 & Somerton Ave
- ◆ Avenue B south of County 16th Street
- ◆ Downtown Yuma: 1st Street to 24th Street and Avenue C to Madison Avenue
- ◆ Araby Road & 32nd Street
- ♦ Yuma Foothills





♦ Future Population Centers

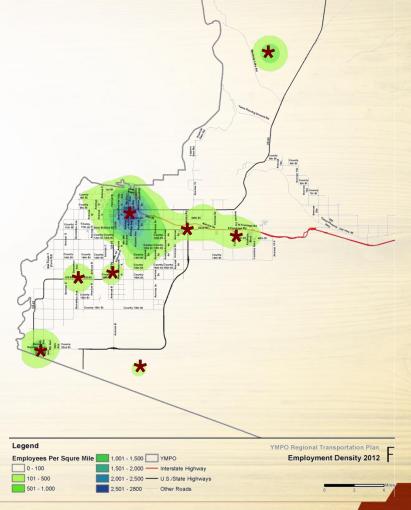
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- ♦ Yuma Foothills
- ◆ Avenue 3E & County 14th Street
- ♦ Wellton: I-8 Corridor





Existing Employment Centers

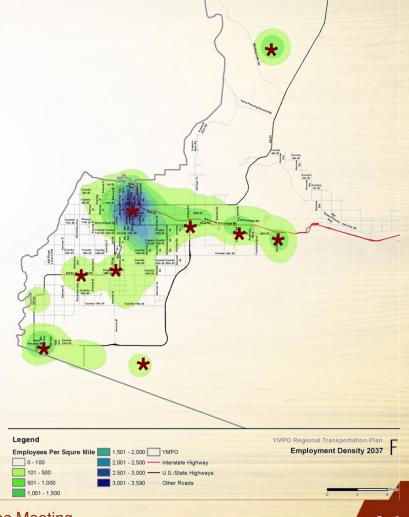
- San Luis: Juan Sanchez Boulevard
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- ◆ Avenue B at County 15th/16th Streets
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- ◆ Araby Road & 32nd Street
- ♦ Yuma Foothills
- ♦ Yuma Proving Grounds





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- ◆ Avenue 15E





FREIGHT ELEMENT

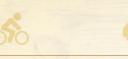
- National Freight Network being developed by Federal Highway Administration (FHWA)
- Consists of a hierarchy of roadways to support freight transport
 - Primary Freight Network
 - Roads Critical to Future Goods Movement
 - Critical Rural Freight Corridors



FREIGHT ELEMENT

- ♦ Primary Freight Network 27,000 miles nationally
 - Criteria considers:
 - Tonnage or value of freight
 - Truck traffic volumes
 - Access to significant Ports of Entry, energy areas, or population centers
 - Multimodal connectivity (rail, waterways)
 - Potential YMPO facilities
 - **-** 1-8
 - US-95
 - SR-195











BORDER INFRASTRUCTURE ELEMENT

- ADOT has completed the Arizona-Sonora Border Master Plan
- Plan identified a series of projects based on previous studies
- Project categorizes
 - Land Port of Entry (LPOE) projects
 - Multimodal Infrastructure (MMI) projects
 - Rail projects

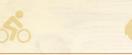


BORDER INFRASTRUCTURE

Weighted project rating criteria

	LPOE	MMI	Rail
Capacity/Congestion	40%	36%	35%
Cost Effectiveness	15%	15%	16%
Regional Benefit	21%	23%	21%
Project Readiness	11%	10%	13%
LPOE Connectivity	n/a	16%	15%
Bi-national Coordination	13%	n/a	n/a

Projects were ranked for each project category (LPOE, MMI, Rail)









YMPO PROJECTS

Evaluation of Arizona Land Port of Entry Projects	Arizona LPOE Overall Rank
Project Description	Out of 17
San Luis I - SENTRI Primary Booth Project	1
San Luis I - Pedestrian Pop-Out Project #1 (Reconfiguration in place)	2
San Luis I - Pedestrian Pop-Out Project #2 (Expansion)	3
San Luis II - POV / Pedestrian Processing Facility	4
San Luis I - Outbound Technology Project	6
San Luis I - SENTRI Secondary Inspection Area	8
San Luis I - Expansion and Modernization	9
San Luis I - Outbound Inspection Infrastructure	10
San Luis I - Primary Booth Replacement Project	11
San Luis II - New Rail LPOE	16



YMPO PROJECTS

Evaluation of Multimodal Infrastructure Projects				
Facility	Project Description/Extent	Proposed Improvement	Out of 108	
Archibald Street and First Avenue	C Street to Urtuzuastegui Street	Convert to One-Way Couplet & construct bus pulllouts	1	
Main Street Project	Hwy 95 from A St to Juan Sanchez Blvd	Design & Construction	2	
Juan Sanchez Blvd	10 th Avenue to Avenue E	Widen to 5 lanes, Unspecified Improvements	5	
Juan Sanchez Boulevard	10 th Avenue to US-95	Widening, Unspecified Improvements	7	
Avenue E	San Luis II LPOE at Arizona-Sonora border to SR 195/ASH	Widening to 4 lanes	14	
56 th Street	SR 195 / ASH to Avenue 13E	Widening	19	
US-95	Avenue 9 E to Aberdeen Road	Widening, Construct Bridge of Fortuna Wash	26	
Avenue 3 E	US-95 to I-8	Widening	27	
Bridge Replacement	South Gila Canal at Avenue 7E	Construction	32	
Fortuna Rd	40th to 48th	New Construction 4 lane Arterial	34	

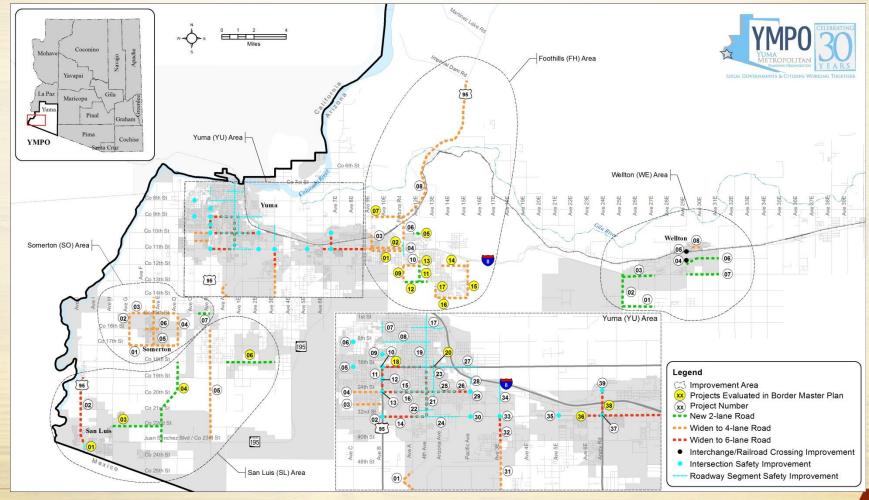








PROJECTS EVALUATED IN THE BORDER MASTER PLAN













YMPO PROJECTS

Evaluation of Arizona Rail Projects	Arizona Rail Overall Rank
Project Description	Out of 8
New rail corridor/through San Luis II LPOE	5
Rehab and new rail/Gila Bend to Lukeville LPOE	8







TRANSIT ELEMENT - NEEDS

- ♦ Multimodal transit center
- ♦ New bus maintenance facility
- More passenger amenities
- **Solution** Fare and schedule enhancements
- Park and ride lots













TRANSIT ELEMENT – PROJECTS

- ♦ Hotel Del Sol Multimodal Facility
- New bus maintenance facility
- Regular vehicle replacements
- ♦ Bus pullouts
- ♦ More passenger amenities
- Smartcards, real time arrival system
- Park and ride lots











BICYCLE AND PEDESTRIAN ELEMENT

- **Element Needs**
 - Improve safety
 - Connect gaps
 - ADA accessibility
 - Pedestrian access to transit



Education of motorists and bicyclists







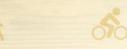




BICYCLE AND PEDESTRIAN ELEMENT

- Preliminary projects
 - ♦ Sidewalks
 - ♦ Shared Use Paths
 - Bicycle Routes
 - ♦ Bicycle Lanes
 - Paved Shoulders
 - Bicycle and Pedestrian Crossings
 - Signalized crossings
 - Refuge islands





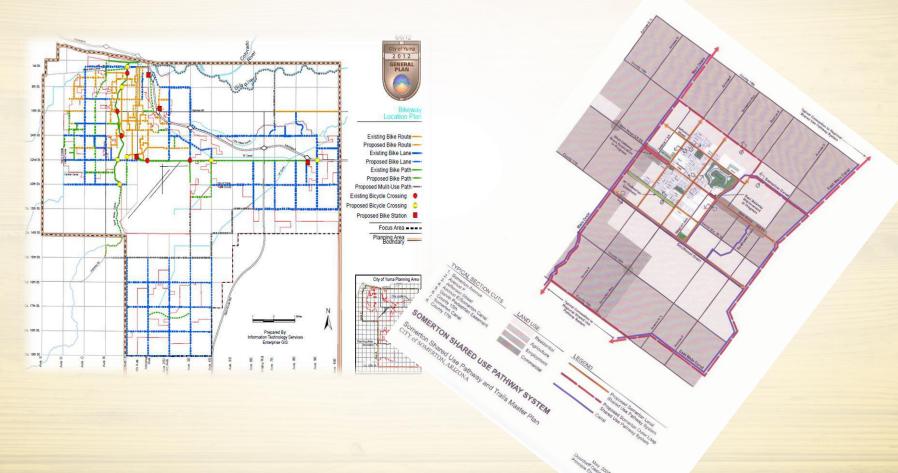








BICYCLE ELEMENT





AVIATION ELEMENT

2013-2017 Yuma International Airport Capital Improvement Program

Year	Project	Estimated Cost
2013	Design & Construction of Taxiway Improvements	\$2,400,000
2014	Construct Apron Expansion	\$4,000,000
2015	Install Taxiway Lighting on Taxiway F and H	\$2,000,000
2016	Construct new General Aviation Apron	\$1,000,000
2017	Construct Apron Expansion	\$2,000,000

Additional Needs

- Market Study to Attract Another Airline
- Additional Aircraft Hangar Construction







AVIATION ELEMENT

2013-2017 Rolle Field Capital Improvement Program

Year	Project	Estimated Cost
2013	Airport Master Plan Update	\$175,000
2014	Environmental Assessment for Runway Improvements	\$190,000
2015	Design & Construct New Parallel Taxiway	\$600,000
2017	Install Runway and Taxiway Lighting	\$1,000,000
2017	Install Lighting Vault	\$200,000

- Additional Needs
 - Construction of Access Road to Rolle Field
 - Rehabilitation of Existing 5,000' Runway











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FOCUS AREA DISCUSSIONS AND OPEN HOUSE

- ♦ April 16, 2013
- YMPO 30-year Anniversary Celebration
 - 11:00 am to 2:20 pm at YMPO offices
- Focus area discussions
 - 1:30 to 4:00 pm at YMPO offices
- RTP open house
 - 5:30 to 6:30 pm at HeritageBranch Library





del RTPTAC de la YMPO, por favor visite el sitio web de la YMPO ympo

Tame of 978-783-8911

PARA MAS INFORMACION

Mark Teuscher, YMPO Senior Transportation MAIL: 502 S. Orange Ave., Yurus, AZ 85384 PHONE: 928-783-8911 FAX: 928-329-1674











FOCUS AREA DISCUSSIONS

- Economic Development/Trade
- **♦** Tourism
- Community Development
- Public/Emergency Services
- ♦ Federal/State/Environmental
- Available to invited stakeholders and YMPO open house participants



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RTP OPEN HOUSE

- RTP objectives and process
- Accomplishments to date
- What we have heard from the public
- Preliminary roadway and safety projects
- Other RTP element summaries
- Revenue forecasts













RTP TAC ROLE AND RESPONSIBILITIES

- Attend YMPO open house
- Active listening at focus area discussions
- Active listening at open house
- Report at next TAC meeting













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NEXT STEPS

- Model capital and safety improvements
- Performance testing
- **OCCUPY OF STATE OF S**
- April 16th focus area discussions and open house









ROUNDTABLE DISCUSSION