



Valencia Road: Wade Road to Ajo Highway (SR 86)
PCDOT Project Number 4RTVWE

ENVIRONMENTAL SCREENING Results Memorandum

**Valencia Road: Wade Road to Ajo Highway (SR 86)
PCDOT Project Number 4RTVWE**

Screening Process Description

- Project Kickoff Meeting was held on February 17, 2016. Attendees included representatives from Pima County and project consultants. The project was described briefly (Figure 1. Project Location) and the project-related roles and responsibilities were generally outlined, and known issues, i.e., existing and planned developments and noise-related impacts were discussed. The meeting was followed by site visit as shown in Figure 2. Project Vicinity.
- Project Team Meetings have been held monthly since April 2016, and are scheduled to be ongoing through completion of the Environmental Assessment and Mitigation Report (EAMR) process.
- Environmental Coordination Meeting was held on September 13, 2016. Attendees included representatives from Pima County and regulatory agencies (Bureau of Land Management Arizona Game and Fish Department), and consultants from Kimley-Horn, EcoPlan, and Ninyo & Moore. Meeting discussions focused on environmental topics and related technical issues, including required environmental documents, their sequence of submittal, and approval process. Meeting agenda and minutes are attached.

Identification of Technical Studies Completed During Screening Process

- Biology Site Evaluation EcoPlan reviewed the U.S. Fish and Wildlife Service (USFWS) and Arizona Game and Fish Department (AGFD) databases to determine the presence of protected/listed/threatened and endangered species within the project area, and conducted site visits on June 23 and June 29, 2016. The draft Biological Evaluation has been submitted to BLM (8/31/16), approval is pending.
- A Preliminary Initial Site Assessment (PISA) was approved by Pima County on July 31, 2016. This constitutes final approval.
- A draft Preliminary Jurisdictional Determination (PJD) of Waters of the United States is currently being prepared, and will be submitted to Pima County for review in October 2016. The USACE has assigned the PJD #SPL-2016-00749-KWG. If impact analysis results indicate permanent impacts to Waters will be less than 0.1 acres, the project will qualify as a non-notifying Nationwide Permit 14.
- Cultural Resources Class I Inventory (database search) and Class III Survey of the project area (conducted July 13, 2016) have been completed for the project. Results are detailed in the State



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Historic Preservation Office (SHPO) Survey Report Summary Form, which was submitted to BLM on 8/31/16. Approval is pending.

- A Noise Study was conducted and approved in July, 2016. Modeled noise levels for the project through its design year (2040) were determined not to exceed the threshold for abatement for existing and future land used based on criteria given in the Pima County Noise Abatement Procedure.

Environmental Issues Identified During Screening Process

Biology

- The Biological Evaluation (BE) report evaluated the potential presence of, or habitat for, federally-listed and other special status species, including BLM special status species for in the project area. The report identified potential habitat for Pima Pineapple cactus (PPC) and migratory birds, and the presence of native plants. Approval of the BE by BLM is pending.
- Migratory Bird Treaty Act (MBTA). Vegetation removal, specifically the removal of larger mesquite trees along the south side of Valencia Road near the west end of the project, may affect migratory bird species. Impacts to migratory birds should be minimized by limiting vegetation removal to outside of the breeding season (March 1 - August 31).
- Native and Protected Plants. Suitable habitat for Pima Pineapple Cactus exists within the project limits and will be affected by vegetation removal, as will other protected native vegetation, including cacti, desert trees, and shrubs. Mitigation requirements will be based on the Pima County Environmentally Sensitive Roadway (ESR) process and FCD Floodplain Use Permit requirements. No PPC were located within the project footprint.
- A native plant inventory will be completed in conjunction with development revegetation and landscaping plans. Subsequent landscaping and mitigation plans will be developed in accordance with Pima County ESR guidelines. Landscaping plans will utilize native species.
- Regulated Riparian Habitat (RRH). These habitat types are present within the project area in multiple locations, and will be impacted by project construction. It is expected that the project will impact more than 1/3 acres of RRH, and appropriate mitigation will be required. Mitigation measures will be developed by Kimley-Horn and presented in the landscaping plans.

Hazardous Materials

- A PISA was completed for the project area and identified five potentially regulated facilities, including four residential developments and Ryan Airfield. The project is not expected to impact any of these facilities. Transformers on overhead transmission lines are not leaking and would be responsibility of the utility. There were no registered underground storage tanks or other potentially hazardous underground facilities identified.



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Clean Water Act – Waters of the United States

- Section 404/401 - Multiple dry, ephemeral washes cross the project area. A Preliminary Jurisdictional Delineation (PJD) is underway to evaluate potential impacts to Waters and the appropriate level of Section 404 permitting that would be required. Preliminary results indicate the presence of 18-25 drainages that could be considered as Waters. Preliminary design indicates permanent impacts will be less than 0.10 acres for each drainage crossing and qualify for a non-notifying Linear Transportation Projects Nationwide Permit 14 (NWP #14). A determination of permit type, based on acreage of temporary and permanent impacts to Waters, is expected in late November 2016. Projects meeting NWP #14 are Conditionally certified under Section 401 State Water Quality Certification through the Arizona Department of Environmental Quality (ADEQ).
- Section 402 – Because more than 1 acre of land will be disturbed during project construction, a CWA Section 402 Arizona Pollutant Discharge Elimination System Permit would be required. A Notice of Intent and a Notice of Termination will be prepared and submitted to ADEQ. As required by the permit, a Stormwater Pollution Prevention Plan (SWPPP) will be prepared.

Cultural

- A SHPO Survey Report Summary Form (Form) was completed based on results of a Cultural Resources Class I inventory and Class III survey. Cultural and historical findings within the project limits include a historical farmstead south of Valencia Road near the west end of the project and a historic Government Land Office (GLO) survey marker. The historic farmstead is outside the Area of Potential Effect (APE), and the GLO survey marker was not recommended eligible for the National Register of Historic Places. The report was approved by Pima County, and submitted to the BLM for review on 8/31/16. BLM approval will constitute final approval.

Air Quality

- The project is expected to have temporary local impacts to particulate levels (dust) during construction. The impacts would be reduced by PCDOT standard specification for dust suppression during construction. The contractor would obtain a PDEQ Fugitive Dust Activity Permit.

Suggestions on Addressing Issues through Design Modifications and/or Alternative Investigation

- Impacts to migratory birds should be minimized by limiting vegetation removal to outside of the breeding season (March 1 - August 31).
- Impacts to native plants should be minimized through the development and implantation of landscaping and mitigation plans developed in accordance with Pima County ESR guidelines, and landscaping with only native species.



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- Impacts to Regulated Riparian Habitat should be mitigated through the development of a Riparian Habitat Mitigation Plan, and associated Floodplain Use Permit submitted to Pima County Regional Flood Control District.
- Project drainage improvements should be designed to minimize construction features within washes, and thus avoid or reduce impacts to potential Waters. Minimizing permanent impacts to any single Water of the US to less than 0.1 acres would not require the submittal of a Nationwide Permit 14 Preconstruction Notification (PCN) to the USACE. Should permanent impacts exceed 0.10 acres a PCN would be required resulting in additional USACE review and time.
- The preparation of a SWPPP to include temporary and permanent sediment and erosion control measures to prevent release of potential water pollutants would be required. The SWPPP would include requirements to file a Notice of Intent and Notice of Termination with ADEQ.
- The contractor should obtain a Fugitive Dust Activity Permit from PDEQ prior to any earthmoving activities.

Identification of Any Additional Technical Analyses Needed

Technical analyses beyond the original scope of work for the Environmental Assessment and Mitigation Report are not necessary.

RECOMMENDATIONS

Project limits suitable for environmental clearance: Y N

Limitations: Y N if yes, describe:

- Mitigation measures recommended by USACE (per NWP #14 Standard Terms and Conditions).
- Mitigation measures applicable to ADEQ Section 401 General Conditions.
- Mitigation measures for Floodplain Use Permit (needed for impacts to RHH)
- Mitigation measures for migratory birds that will avoid vegetation removal during the breeding season
- Mitigation measures for vegetation removal (landscaping and mitigation plans)

Follow-up actions: Y N if yes, describe:

- Section 404 Permitting
- Floodplain Use Permit



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- Landscaping and Mitigation Plan
- Stormwater Pollution Prevention Plan
- Air Quality Fugitive Dust Permit

Approval:

Environmental and Transportation Planning Division

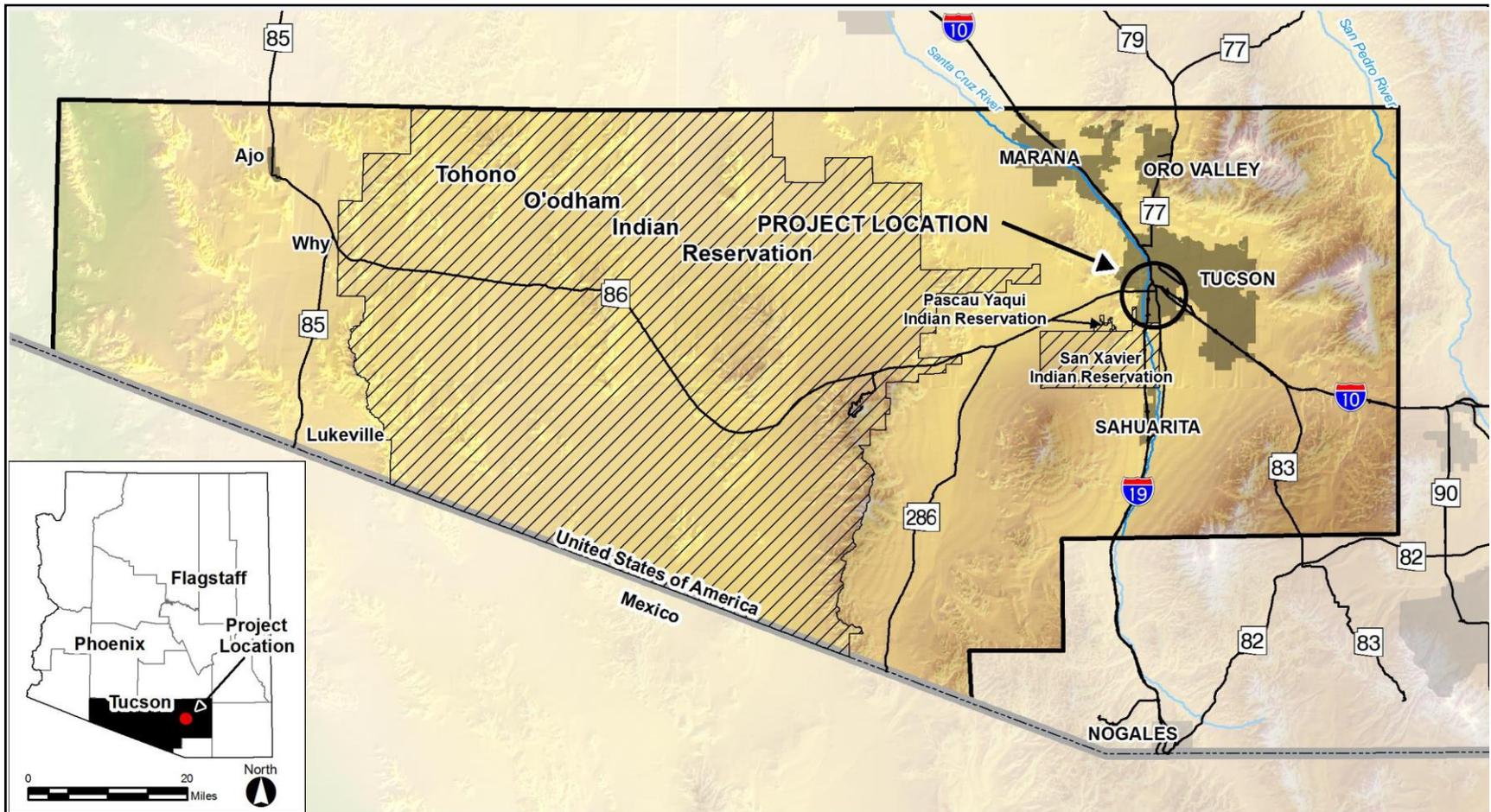
Engineering Division: _____

Environmental Planning Branch: _____

Pima County Department of Environmental Quality: _____

Attachments

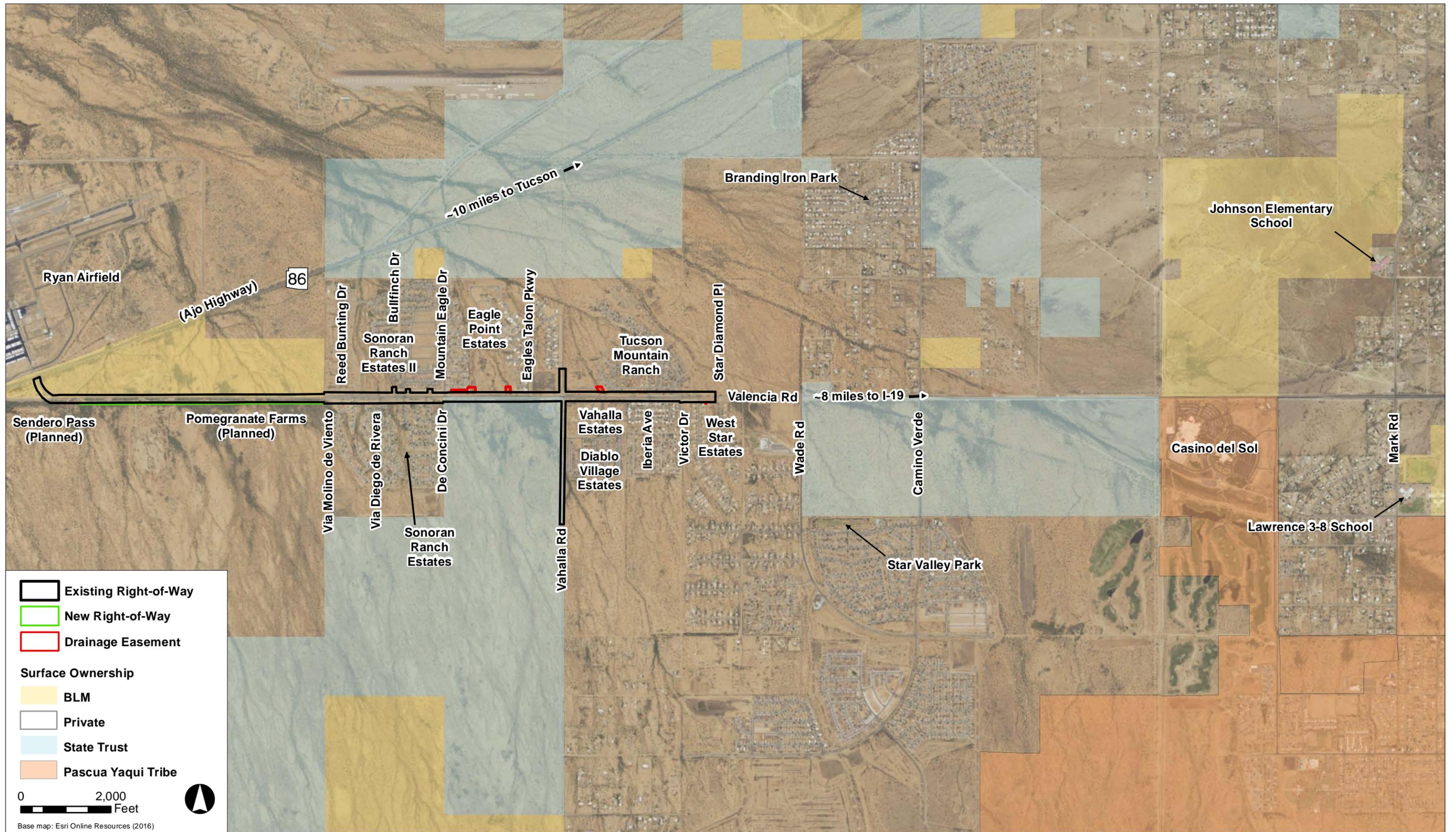
1. Figure 1. Project Location
2. Figure 2. Project Vicinity
3. Completed Environmental Questionnaire
4. Environmental Impact Screening Summary Matrix
5. Environmental coordination meeting agenda and meeting minutes
6. Kickoff meeting agenda and meeting minutes
7. The State Historic Preservation Office Survey Report Summary Form
8. AGFD On-Line Environmental Review Tool Receipt
9. USFWS Official Species List
10. BLM Sensitive Species List



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Figure 1. Project location



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Figure 2. Project vicinity

Attachment #3. Completed Environmental Questionnaire

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Environmental Screening
Questionnaire for Establishing Potential Areas of Impact

INTRODUCTORY INFORMATION

Project Identification

- Project Name: Valencia Road: Wade Road to Ajo Way
- Pima County Project Manager: Paul Bennett

Project Location and Limits

- Location of project in Pima County: The project is in eastern Pima County, approximately 6 miles west of the City of Tucson. The Pascua Yaqui Indian Reservation is 1.5 miles to the east, and the San Xavier Indian Reservation is 2 miles to the south. (See Figures 1 and 2 for project location).
- Limits of project: Project limits extend along the existing Valencia Road alignment, from approximately 1,700 feet west of Wade Road to Ajo Way.

From end to end: Project length is approximately 3.0 miles.

From side to side: The existing right-of-way (ROW) varies on either side of the roadway centerline, with total ROW widths ranging from 150 to 200 feet. Most of the existing right-of-way along Valencia Road belongs to Pima County. Pima County is currently updating their easement agreement with the BLM on their parcel west of Reed Bunting Drive. A portion of the existing Vahalla Road alignment south of Valencia Road is on ASLD land, and will be realigned eastward onto Pima County ROW. Drainage easements are expected to be required for drainage improvements at several culvert crossings.

Funding Source

- Funding source anticipated for use in construction project?

County funding: Y N

Funding through: Pima County Department of Transportation (PCDOT) Project No.: 4RTVWE (Valencia Road: Wade Road to Ajo Way), Pima Association of Governments (PAG) Regional Transportation Authority (RTA) Plan, and Impact Fees.

Federal funding: Y N

Other: Project is listed in the PAG 5-Year Regional Transportation Improvement Program, 2016-2020 (approved May 28, 2015) as TIP# 114.06, with a total estimated cost of \$25 million.

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Source: PAG 5-Year Regional Transportation Improvement Program, 2016-2020.

Primary Project Purpose

- Primary purpose of project: Valencia Road between Wade Road and Ajo Way does not meet its designation as a “parkway” as described in the approved Pima Association of Governments 2040 Regional Transportation Plan. The roadway does not currently accommodate the increased traffic volumes projected for the year 2040. This project would reconstruct Valencia Road to meet the PAG designation of “parkway”, and increase capacity to meet the projected year 2040 traffic demand.

Modernize roadway: Y N

Increase capacity: Y N

Add bicycle lanes: Y N

Improve safety: Y N

Other: The project would provide a more level roadway profile that improves stopping sight distances. Additionally, project-related drainage improvements would reduce localized flooding over the roadway, which may impact local and emergency access through the project area.

Existing Conditions within Project Limits

- Roadway specifications?

Valencia Road from Wade Road to Ajo Way is currently an undivided, two-lane, paved, roadway. There is one lane of travel in each direction, and areas with a marked center turn lane near residential developments. The horizontal alignment of Valencia Road is straight. There are several gentle dips in the vertical roadway profile, where stormwater runoff occasionally collects.

Cross roads intersecting Valencia Road are generally stop-controlled; there are no stop signs on Valencia Road. There are no signalized intersections within the project limits.

Drainage is currently managed through approximately 20 culvert crossings; however, some runoff occasionally gathers in low areas on the roadway.

Right-of-way: Varies between 150 and 200 feet

Pavement width: Varies from approximately 44 feet to approximately 24 feet, depending on width of paved shoulder, and on presence/absence of a center turn lane.

Number of through lanes in each direction: 2

- Number of turning lanes? 1 discontinuous center turn lane

Right-turn lanes: None

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Left-turn lanes: None

Middle-turn lanes: 1 discontinuous center turn lane

- Existing intersections?

Number of signalized intersections: None

Number of unsignalized intersections: 11

Existing parking (e.g. on-street) Y N

- Existing bike lanes? Y N

- Existing sidewalk? Y N

There are no sidewalks or paved pathways on Valencia Road, but sidewalks are present on some cross streets near residential developments

- Existing transit stops? Y N

- Other: None

Project Components

- Anticipated specifications of the project? Valencia Road will be widened to approximately 75-feet wide to accommodate two 11-foot travel lanes in each direction, a raised center median with periodic center turning bays, and a 6-foot wide bicycle lane on both sides of the roadway. Five-foot wide sidewalks will be added on both sides of the roadway. Major intersections will be signalized, and street lights added near intersections. Approximately 20 culverts will be reconstructed.

Amount of additional right-of-way to be acquired: Additional ROW or easement may be acquired for reconstruction of Valencia Road, and realignment of Valhalla Road; Drainage easements will be needed for reconstruction of several culverts. Coordination with PCRFCO is anticipated for some culverts. Other culverts will be on lands administered by BLM and ASLD.

Under 1 acre:

1–5 acres:

5–10 acres:

Over 10 acres: The project is expected to disturb more than 10 acres of surface area. Surface disturbance activities will include: reconstruction of approximately 3.0 miles of Valencia Road; drainage improvements at roughly 20 locations, construction of a separate continuous pedestrian pathway, and realigning a portion of Valhalla Drive south of Valencia Road.

Change in the vertical or horizontal alignment: Y N

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Minor adjustments will be made to the vertical roadway profile of Valencia Road to correct existing drainage issues. The horizontal roadway alignment will be straightened, and shifted to a position nearest the center of existing right of way.

New alignment: Y N

Shifts in roadway alignment will be minor and will not constitute a new alignment.

Pavement width to be added: Approximately 30 feet of new pavement width will be added to accommodate two additional travel lanes, raised center median with turning bays, and one bicycle lane on both sides of the roadway.

Number of through lanes to be added: Two, one in each direction (11 foot lane widths).

Number of turn lanes to be added: None

Right-turn lanes: Added at Mountain Eagle Drive, Vahalla Road, Iberia Road, and Eagle Talon Parkway

Left-turn lanes: None

Middle-turn lanes: There is an existing center turn lane throughout most of the project limits. The project would modify the existing lane with a new raised center median and periodic turn bays.

Any associated parking (e.g., on-street): Y N

Bicycle lanes to be added: Y N Paved cross-section will include 6-foot paved bicycle lanes in each direction at the outside edges of the roadway.

Sidewalk to be added: Y N Sidewalk and curb ramps will be constructed at the intersections of Valencia Road. It is expected that any new sidewalk constructed will be extended to meet existing sidewalks if present on cross streets.

Landscaping to be added: Y N

Landscaping will be added in the median, as well as at roadway shoulders.

- **Number of intersections to be signalized:** It is anticipated that Valencia Road intersections at Iberia Avenue and Valhalla Road will be signalized in the future. Conduit will be placed as part of the construction, but signals would not be installed until traffic warrants are met. Additional studies are underway to evaluate signalization at Eagles Talon Parkway and Mountain Eagle Drive.
- **Street Lighting:** Street lighting will be added to all cross-street intersections with Valencia Road and along the approach to SR 86. Lighting will be shielded to reduce intrusion into neighborhoods.

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Phasing

- Is the project:

A portion of a unified development plan? Y N

The project is in the Regional Transportation Authority Plan (approved 2006) as RTA-21, which included improvements on Valencia Road from Mark Road to Ajo Way. Improvements from Mark Road to Wade Road have already been completed. The current project will complete RTA-21 by conducting planned improvements from Wade Road to Ajo Way, which is programmed through the PAG Regional Transportation Improvement Program (2016-2020).

One of a series of projects that may result in a cumulative set of environmental impacts on an identifiable area? Y N

Environmental impacts from this project may be cumulative when considered with the adjacent PCDOT project Valencia Road, Mark Road to Wade Road (EAMR, 2012), and ADOT project SR 86, Sandario Road – Kinney Road (EA, 2010). The impacts can be considered minor as impacts from all three projects are primarily within existing right-of-way.

Source: PAG Regional Transportation Improvement Program 2016-2020; Valencia Road, Wade Road to Mark Road, Final Environmental Assessment and Mitigation Report, PCDOT, 2012; Draft Environmental Assessment, SR86: Sandario Road to Kinney Road, ADOT, 2010; Valencia Road, Mountain Eagle Drive to Wade Road, Draft Concept Report, PCDOT 2011.

Traffic

- Existing average daily traffic (ADT) in the project area?

Estimated ADT for the subject roadway varies from 2,900 to 9,700 based on a traffic analysis memorandum prepared for Pima County to document existing and Design Year 2040 traffic conditions (KHA,, 2016).

- Projected ADT in the project area for the build year? For the build year 2040, traffic volumes are expected to reach approximately 25,000 (KHA, 2016).
- Source: *Initial Design Concept Report - Valencia Road; Wade Road to Ajo Highway.* Kimley Horn Associates, Inc., October, 2016.

Land Uses

- Existing adjacent land uses? Check all that apply and circle primary uses.

Commercial (e.g., retail businesses, service businesses): Y N

Institutional (e.g., schools, hospitals, social services agencies): Y N

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Residential (e.g., single-family houses, apartments, townhouses): Y N

Vacant lots: Y N

Lands within project area are primarily a mix of residential developments and undeveloped lands. Ryan Airfield is situated adjacent to, but outside, the project limits.

Industrial (e.g., light industry, heavy industry): Y N

Recreational (e.g., parks, sports fields): Y N

Source: Field reconnaissance, Pima County assessor’s records, Pima County MapGuide

Property Ownership

- Existing land ownership

Majority public:

Majority private:

About evenly divided between public and private: Private, BLM, and State Lands

Source: Pima County Assessor’s records

ENVIRONMENTAL CATEGORIES

Drainage

- Will any storm water drain from the project discharge into detention or retention basins on site? Y N

Project drainage will enter existing storm drain channels on the north side of Valencia Road between Iberia Avenue and Vahalla Drive, and west of Bullfinch Road. The channels are maintained by PCRFC. A new channel will be constructed on south side of Valencia Road west of Via Molino de Viento.

Section 401/404

- Are any culverts likely to be installed, replaced, or extended? Y N

The project crosses approximately 15-23 unnamed, ephemeral, dry washes, which are currently conveyed under the roadway by culverts. Existing culverts will be reconstructed and extended to accommodate the widening of Valencia Road.

- Are there any bridges being upgraded, extended, or replaced? Y N
- Is there any bank protection required in the construction of this project? Y N

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Drainage improvements at existing culverts will likely include constructing new drop-style inlets, replacing culvert pipe, and placing riprap at culvert mouths. The drainage report (forthcoming) will evaluate the need for, and extent of, downstream bank protection.

- Are there any wetlands within the project area? Y N

Is it anticipated that there will be any discharge of dredged or fill material into “Waters of the United States”? Y N

Minimizing impacts to Waters of the U.S. is a project goal. However, constructing new, and longer, culverts is expected to have some impacts to Waters of the U.S., which will be addressed through the Section 404/401 permitting process.

Source: Field reconnaissance; review of aerial imagery; review of preliminary design with project team.

Section 402

The project is expected to disturb more than 1 surface acre and will therefore require an Arizona Pollutant Discharge Elimination System Permit from ADEQ. The permit requires the preparation of a Storm Water Pollution Prevention Plan (SWPPP), Notice of Intent and Notice of Termination. The project area is not in the vicinity of any designated Unique or Impaired Water as defined by ADEQ. The nearest Unique Water (Cienega Creek) and Impaired Water (portions of Santa Cruz River) are over 10 miles distant.

Floodplain

- Is the project area within a 100-year floodplain delineated on the Federal Emergency Flood Insurance Rate Map? Y N

Yes, FEMA Flood Insurance Rate Maps 04019C2245L (6/16/2011), 04019C2265L (6/16/2011), 04019C2850L (6/16/2011), 04019C2855L (6/16/2011).

If “yes,” will the project substantially modify the topography of the floodplain either by placement or removal of materials within the floodplain? Y N

The project will widen the existing Valencia Road alignment, and extend existing culverts in their current locations. The extents of impacts to the floodplain are expected to be minor. Valencia Road will be slightly raised to allow the addition of drainage pipes /culverts to carry storm flows under the roadway. The project drainage analysis concluded no changes in the FEMA floodplain would occur.

Source: CMG Drainage Engineering - Initial Drainage Report, Valencia Road (Wade Road to Ajo Highway).

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Biological Resources

- Are there listed threatened, endangered, proposed, and/or candidate species likely to be found in the project vicinity? Y N

A Biological Evaluation for the area has been completed for the project, in which federally listed threatened or endangered species were identified within 3 miles of the project including Chiricahua leopard frog and Pima pineapple cactus (PPC). Because no wetlands, stock tanks, or other wet areas are known in to be in project area, Chiricahua leopard frogs are not expected to be impacted. One PPC was observed approximately 80 feet outside the project limits during the field survey. No PPC were observed inside the project limits, and individuals of this species are not anticipated to be impacted by project activities.

Source: AGFD Environmental Online Review Tool Report (accessed 6/22/2016); USFWS Information Planning and Conservation System (accessed 6/22/2016).

- Are listed special status species likely to be found in the project vicinity? Y N

BLM sensitive species have been identified within 3 miles of the project including Arizona whiptail, Western narrow-mouthed toad, and Tumamoc globeberry.

- Are protected native plants likely to be found in the project vicinity? Y N

Plants protected by Arizona’s Native Plant Law were identified within 3 miles of the project area include Pima pineapple cactus, Thornber fishhook cactus, and Tumamoc globeberry. Mesquite and paloverde were also observed during the field survey.

- Are construction activities anticipated to remove/disturb any vegetation? Y N

Clearing and grubbing up to the ROW are expected on both sides of the roadway. In accordance with the Migratory Bird Treaty Act (MTBA) this work will be completed during the non-breeding season (estimated August 31 – February 15) to avoid disturbance to migratory bird species.

- Is the project within the Conservation Land System? Y N

Designated Important Riparian Areas (Conservation Land System) cross the project area at Mountain Eagle Drive and west of Via Molino de Viento. Additionally, Regulated Riparian Habitats (as defined in Pima County Title 16, Floodplain Management Ordinance) cross the project area in multiple locations along Valencia Road.

- Is the project along a designated Scenic Route? Y N

Project development will follow the Environmentally Sensitive Roadway Design Guidelines as described in the Pima County Roadway Design Manual, 2013.

Source: Field reconnaissance; Pima County MapGuide

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Air Quality

- Is the project in an:

Attainment area? Y N

Nonattainment area? Y N If “yes,” what are the pollutants of concern?

Maintenance area? Y N If “yes,” what are the pollutants of concern? Carbon monoxide.

Construction activities are expected to result in temporary impacts to particulate levels. The contractor shall obtain and comply with a Pima County Department of Environmental Quality Fugitive Dust Activity Permit.

Source: Pima Association of Governments:

<http://www.pagnet.org/Programs/SustainableEnvironment/Air/AirQualityOverview/CarbonMonoxide/tabid/260/Default.aspx>

Noise

- Are there sensitive noise receptors in the area? Y N
If “yes,” identify type of noise receptors and briefly describe:

Residences: There are single-family residences along Valencia Road and cross roads. Most residences have some type of privacy wall, but the heights of the walls, elevations of the houses, and setback from the roadway vary between developments.

Schools: None.

Churches: None.

Other: None.

- When the project is completed and used as anticipated, is it likely to contribute to an exceeded level of noise quality standards. Y N

A Noise Study was conducted and approved in July, 2016. Modeled noise levels for the project through its design year (2040) were determined not to exceed the threshold for abatement for existing and future land used based on criteria given in the Pima County Noise Abatement Procedure.

Source: Field reconnaissance, aerial photo review, Pima County MapGuide, review of design concepts with the project team. Noise Review for Valencia Road, Wade Road to Ajo Highway (AZ 86), Pima County, 2016

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Utilities

- Will the construction include any utility involvement? Y N
If “yes,” what kind of work is anticipated?

Utility relocation: Multiple types of utilities are present and in conflict with the project design, including overhead power, natural gas, communications, water, and wastewater.

Temporary disconnection of service: Temporary service disconnections may occur. PCDOT is coordinating with utilities to determine the extent and timing of utility relocations.

Utility replacement: Several utility relocations are expected including moving Tucson Electric Power poles. The design team is aware of several planned utility upgrades by Trico Electric, Arizona G & T Cooperative, and Pima County Reclamation and Wastewater Department (sewer)

- Are there any scheduled plans for utility upgrades in the vicinity that are not related to the project? Y N To be determined

Unknown at this time. Coordination with utility companies will occur throughout design.

Hazardous Materials

- Is it likely that any hazardous wastes or hazardous substances in the past have been generated, treated, stored, released, discarded or disposed of on site or are any such wastes now accumulated on site? Y N Don't know

A PISA was completed for the project and identified five potentially regulated facilities, including four residential developments and Ryan Airfield. The project is not expected to impact any of these facilities. Transformers on overhead transmission lines are not leaking and would be responsibility of the utility. There were no registered underground storage tanks or other potentially hazardous underground facilities identified.

- Have any test borings been performed? Y N

Test borings have not been conducted for the discovery of hazardous materials, and are not expected to be required at this time.

If “yes,” were any wastes discovered on the premises in the course of the test borings or excavation work for the project? Y N NA

Source: Field reconnaissance and discussions with Pima County. Preliminary Initial Site Assessment Valencia Road: Wade Road to Ajo Highway (SR86), West Valencia Road From South Wade Road To West Ajo Highway. (Pima County, July 26, 2016)

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Historic Preservation

- Are there any cultural resources (archaeological or historic) in the vicinity of the project area that are listed on or eligible for the National Register of Historic Places? Y N

A SHPO Survey Report Summary Form (Form) was completed based on results of a Cultural Resources Class I inventory and Class III survey. Cultural and historical findings within the project limits include a historical farmstead south of Valencia Road near the west end of the project and a historic Government Land Office (GLO) survey marker. The historic farmstead is outside the Area of Potential Effect (APE), and the GLO survey marker was not recommended eligible for the National Register of Historic Places. The report was approved by Pima County, and submitted to the BLM for review on 8/31/16. BLM approval will constitute final approval.

- Are any of the sites considered “Priority Cultural Resources”? Y N
- If the answer is “yes” to either or both of the preceding questions, please list the resource(s)/site(s):
- Of those properties listed or eligible, are any located near enough to the project to be affected by the project location, construction, or anticipated future traffic? Y N
- Are there any structures likely to be 50 years old or older in, or adjacent to, the project area? Y N

If “yes,” please list addresses below:

Historical findings include a historical farmstead south of Valencia Road near the west end of the project and a historic Government Land Office (GLO) survey marker.

Sources: SWCA, 2002; conversations with SHPO, and Pima County. State Historic Preservation Office Survey Report Summary Form.

Visual Impact

- Is the project likely to affect noticeably the views from adjacent properties? Y N

If “yes,” briefly describe: The Valencia Road alignment currently exists; however the visual character of the project area will be altered by the increased paving, relocation of power poles, and enlargement of drainage features. Signalized intersections may be added at some future date, and would also change the visual character.

Is the project likely to cause a noticeable change in the foreground, middle-ground, or background views from the road? Y N User groups located directly on or adjacent to the roadway will be affected by the addition of the proposed project improvements. User

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groups located a distance away from the roadway will not be affected by the additional paved area or larger drainage features. However, they will be affected by the relocated power poles, which typically have been significantly larger than the poles they replace.

Currently no intersection street lighting is present. The project will add lighting at all cross-street intersections. This will add a visual element of the new poles.

Source: Field reconnaissance and review of preliminary design concepts. DRAFT Visual Assessment Report, Pima County, October 2016

Neighborhood/Social Impact

- Is there likely to be any commercial or residential displacement due to the construction of this project? Y N

- Are there likely to be any temporary changes in:

Business access: Y N

Parking: Y N

- Are there likely to be any permanent changes in:

Traffic service: Y N

Additional travel lanes on Valencia Road will increase local vehicle access to residential neighborhoods and improve through-traffic use. The addition of bicycle lanes and pedestrian pathway/sidewalks will add alternative transportation options for local residents.

Traffic circulation: Y N

The new raised median with center turn bays will improve vehicle turning movements between Valencia Road and side streets. The additional of signalization at select cross streets will improve access to and from residential areas along Valencia Road.

Parking: Y N

- Is the project likely to affect continuity in neighborhoods in the vicinity? Y N

Source: Pima County Map Guide, aerial photography review, design discussions with Pima County DOT.

LOCAL JURISDICTION/AGENCY COORDINATION

- Are there local jurisdictions and governmental agencies with which coordination is anticipated or has begun? Y N

Pima County Department of Transportation

Pima County Regional Flood Control District

Valencia Road: Wade Road to Ajo Way
PCDOT Project Number 4RTVWE

Pima County Real Property Services

Pima County Cultural Resources and Historic Preservation Office

Pima County Department of Environmental Quality

Arizona Department of Agriculture

Arizona Department of Department of Environmental Quality

Regional Transportation Authority

Other: U.S. Bureau of Land Management, Arizona State Land Department, U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, Arizona Game and Fish Department, Arizona State Historical Preservation Office

- Note any issues for coordination that have been identified to date:

Project will require Clean Water Act Section 404/401 permit (USACE)

Riparian habitats are present along Valencia Road (PCRFCDD)

Biological resources and protected plant/animal species (BLM, USFWS, AZGFD, Arizona Department of Agriculture)

- Briefly describe coordination efforts planned or under way:

The Environmental Coordination meeting with local, regional, state, and federal agencies and jurisdictions took place on 9/13/2016.

Source:

PUBLIC INVOLVEMENT

- Has a Public Involvement Plan been developed for the project? Y N

A public involvement plan was developed by Pima County to include the formation of a Community Advisory Committee (CAC).

- Has a Community Advisory Committee been formed, or is one being formed? Y N

- A CAC was developed for project, made up of representatives from the project area. The first meeting was held on 8/25/2016 and the second meeting on September 20, 2016. Additional meetings will be regularly scheduled through the project duration, as coordinated by Pima County. Have any public meetings been scheduled? Y N

If “yes,” have any meetings been held to date? Y N

Valencia Road: Wade Road to Ajo Way
PCDOT Project Number 4RTVWE

The first Public Open House is tentatively scheduled for November 15, 2016, at the Lawrence Elementary School, 4850 W. Jeffery Road. The meeting will be advertised through public notices and direct mailings. At that meeting the project Design Concept Report and EAMR would be presented, and public comments solicited. A second public open house would be scheduled in late 2017 prior to project construction to present the roadway plans and construction schedule.

- Has any information useful to the project development been identified through public interaction to date? Y N NA

If “yes,” briefly describe: The CAC members, being very familiar with the recently constructed Mark Road to Wade Road segment of Valencia Road has offered thoughts on landscaping and traffic operations.

- Is there any known controversy over this project to date? Y N

If “yes,” briefly describe:

Source: Community Advisory Committee meeting minutes from August 25, 2016 and September 20, 2016.

PERMITS

- Anticipated permits and/or approvals?

Section 404 Permit: Yes, preliminary design indicates project to qualify for a non-notifying Nationwide Permit #14, Linear Transportation Projects.

Section 401 Permit: Yes, Conditional Certification through Section 404 permit.

Air Quality Fugitive Dust Activity Permit (PDEQ): Yes

Sole Source Aquifer: Not applicable.

State Historic Preservation Officer clearance: The BLM has an agreement with SHPO on “no find” surveys that exempts a project from formal consultation. The State Historic Preservation Office Survey Report Summary Form is currently under review with BLM.

Arizona Pollutant Discharge Elimination System Permit (AZDPES) and Construction

General Permit AZG2013-001 (ADEQ): Yes

Pima County Floodplain Use Permit (PCRFCFD): Yes

National Emission Standards for Hazardous Air Pollutants Permit (PDEQ): Not applicable.

Other: Pima County Roadway Design Manual, Chapter 4 – Environmentally Sensitive Roadway Design Guidelines; Pima County Department of Environmental Quality

Valencia Road: Wade Road to Ajo Way
PCDOT Project Number 4RTVWE

(Air Quality); Watercourse and Riparian Habitat Protection and Mitigation Requirements (Ordinance 2005-FC2)

Other: Bureau of Land Management right-of-way: The BLM and Pima County are in process of renewing the Valencia Road Grant of Right-of-Way. This process includes review and approval of a Cultural Resources Report, Biological Evaluation, and Roadway Plan of Development. All document have been submitted to BLM (August 31, 2016) and pending approval. Based on the review, BLM will determine if the right-of-way action meets the criteria of a Categorical Exclusion under their National Environmental Policy Act guidance.

Source: Clean Water Act Sections 404 and 401; Arizona Department of Environmental Quality; National Historic Preservation Act; Pima County ordinances

Completed by: Michael R. Dawson, Senior Environmental Planner, EcoPlan Associates, Inc.

Date: October 18, 2016

Attachments

Figure 1 – Project Location

Figure 2 – Project Vicinity

Impact Summary Matrix

Attachment #4. Environmental Impact Screening Summary Matrix

Environmental Impact Screening Summary Matrix (4RTVWE) Valencia Road: Wade Road to Ajo Highway (SR 86)

Potentially Affected Environmental Categories →		TYPES OF IMPACTS										
		Water Quality	100-Year Floodplain	Protected Watersheds	Visual Quality/Viewsheds	Protected Plants/Vegetation	Protected Animals/Wildlife	Cultural Resources	Air Quality	Noise	Hazardous Materials	Land Uses / Community Character
Applicable to Project	Project Construction and Operation Activities →											
√	Change in the Vertical or Horizontal Alignment:	X	X	NA	0	X	0	0	0	X	0	0
	New Alignment:	NA	NA	NA	NA	NA	NA	NA	NA	N	NA	NA
√	Added Capacity (i.e., through lanes):	X	X	NA	X	M	X	0	0	X	0	X
√	Milling/Grading:	X	X	NA	0	M	X	0	X	X	0	0
√	Change in Access (e.g., driveways, intersections):	0	0	NA	0	0	0	0	0	0	0	X
√	Clearing and Grubbing:	M	X	NA	M	M	M	0	X	X	0	X
√	Excavation:	X	X	NA	X	X	X	0	X	X	0	X
√	Cut Slope:	X	X	NA	X	X	X	0	X	0	0	0
	Demolition:	NA	NA	NA	NA	NA	NA	NA	NA	N	NA	NA
	Demolition Debris Disposal:	NA	NA	NA	NA	NA	NA	NA	NA	N	NA	NA
√	Acquisition of Additional Right-of-Way:	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	X
√	Temporary Construction Easements:	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X
√	Discharge of Dredge or Fill Material:	X	X	NA	X	M	X	0	X	0	0	0
√	Channeling or Dredging:	X	X	NA	X	M	X	0	X	0	0	0
√	Hauling:	0	0	NA	0	X	0	0	X	X	0	X
	New Signals:	NA	NA	NA	NA	NA	NA	NA	NA	N	NA	NA
√	Storm Water Drainage:	X	X	NA	X	X	0	0	X	0	0	X
√	Construction Equipment:	X	X	NA	X	X	0	0	X	X	0	X
	Detour Route:	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

0 = No involvement; X = Potential involvement, but no or minimal impact; M = Potential moderate impact; H = Potential high impact; TBD = To be Determined; NA = Not Applicable

Attachment #5. Environmental coordination meeting agenda and meeting minutes



Valencia Road: Wade Road to Ajo Way
PCDOT Project Number 4RTVWE

Environmental Coordination Meeting
September 13, 2016, 2:00pm-4:00pm
Pima County Department of Transportation
4th Floor Conference Room
201 N. Stone Ave.
Tucson, AZ

Agenda

Project Overview (Paul Bennett, PCDOT Project Manager)

Technical Reports (Karla Reeve-Wise, PCDEQ / Mike Dawson EcoPlan, and team)

Review process and guidelines/formats for the following items/issues:

- Citizens Advisory Committee status
- Biological Evaluation, Native plant inventory, landscaping and mitigation plans
- Preliminary Jurisdictional Delineation/404 Permitting
- Riparian evaluation and Floodplain Use Permit
- Cultural Resources
- Noise Analysis
- Preliminary Initial Site Assessment/Phase I Environmental Site Assessment
- Environmental Screening Summary Matrix/Results Memorandum
- Environmental Assessment and Mitigation Report (EAMR)
- AZPDES Construction General Permit and SWPPP
- Project Schedule



Valencia Road: Wade Road to Ajo Highway (SR86)

Pima County DOT project # 4RTVWE

Environmental Coordination Meeting

MINUTES

September 13, 2016, 2:00pm-4:00pm

Pima County Department of Transportation-4th Floor Conference Room
201 N. Stone Ave.

1. Attendance

PCDOT: Paul Bennett, Ellen Alster

PCDEQ: Karla Reeve-Wise, Kimberly Baeza

PC Cultural: Ian Milliken

PCRFCO: Patricia Gilbert

AGFD: Kristin Terpening

Kimley-Horn: Rebeca Field, Rick Solis

Ninyo & Moore: Heather Shoemaker

EcoPlan: Mike Dawson, Patrick Blair

BLM: Linda Dunlavey, Karen Simms

2. Project Overview

Paul Bennet described the project purpose, and briefly outlined the general scope of work and schedule for construction. The project intends to widen Valencia Road from Wade Road to Ajo Highway to four lanes with raised medians and center turning bays. The new roadway will match the road profile and cross section of the recently completed Valencia Road widening project that terminated just west of Wade Road.

3. Environmental Coordination Overview

Mike Dawson gave a description of Pima County's Environmental Assessment and Mitigation Report (EAMR) process, and explained that it is intended to parallel NEPA at the County level. The typical intent of the Environmental Coordination Meeting as part of the EAMR process is to act as a kickoff for environmental studies, and determine the level of effort and documentation required for environmental clearance. The meeting was delayed while determining the level of BLM involvement, and the environmental studies were initiated early with PCDOT consent to maintain project schedule. Because BLM participation was unknown, environmental studies were conducted to a level appropriate for BLM consultation. Mike briefly outlined the technical reports required for the project, and our preliminary findings.

4. Discussion of Environmental Topics

- **Public Involvement and the Community Advisory Committee:** Paul Bennett explained that a Community Advisory Committee (CAC) has been formed, and one meeting has been held to-date. Future meetings will occur on a monthly basis for the next several

months. The next planned meeting will initiate discussions regarding the EAMR and its review/approval process.

- **Biological Evaluation:** Mike Dawson indicated a Biological Evaluation (BE) has been drafted and reviewed by PCDOT and PCDEQ. The document addresses potential Endangered Species Act protected plants and animals, BLM sensitive species, and species listed in the Pima County Multi-Species Conservation Plan (Section 10). Coordination included a site visit, Arizona Game and Fish Department On-Line Review Tool, U.S. Fish and Wildlife Service, Information for Planning and Conservation, and will include BLM biology staff review of the completed BE. The County provided the BE to the BLM for review on August 31, 2016, comments have not yet been received. The BE identified potential habitat for Pima Pineapple cactus (PPC), as well as migratory bird habitat and the presence of native plants within the ROW. It was noted no PPC were found within the project footprint. A single PPC was located about 80 feet outside the construction limits on BLM lands. Rebeca Field indicated that Kimley-Horn has conducted a native plant inventory, and will be producing landscaping and mitigation plans based on the Pima County Environmentally Sensitive Roadway (ESR) process and FCD Floodplain Use Permit requirements. Ellen Alster commented that noxious/invasive plant species were present (dominated by Buffelgrass) and have been sprayed, and will need to be sprayed again.
- **Preliminary Jurisdictional Delineation/404 Permitting:** Mike Dawson noted that preliminary field work occurred in early August, 2016, and early results indicate the presence of 18 washes with potential to be Waters of the US. Kimley-Horn and EcoPlan are working together to evaluate the acreage of temporary and permanent impacts to Waters. The draft PJD is expected to be submitted to PCDOT in late September for review. Permanent impacts are expected to be less than 0.1 acres and that the project will meet the criteria for a non-notifying Nationwide Permit 14 with no formal USACE consultation required. Karen Simms indicated that if impacts do exceed 0.1 acres the BLM will decide if they or USACE would be the lead agency. Rick Solis mentioned that the initial Drainage Report was submitted to Pima County for review.
- **Riparian Evaluation and Floodplain Use Permit:** The group discussed the presence of Regulated Riparian Habitats that would likely exceed Pima County Regional Flood Control District's mitigation threshold of 1/3 acre. Rebeca Field indicated that Kimley-Horn was currently evaluating this and would have a summary of impacts and expected mitigation soon.
- **Cultural Resources:** Mike Dawson and Ian Milliken shared with the group that the cultural resources evaluation for the project is complete. No sites eligible for the National Register of Historic Places (NRHP) were discovered within the Area of Potential Effect (APE). A historic farmstead is located just south of the planned ROW and would not be impacted. One isolated occurrence, a 1916 Government Land Office survey marker was located in the APE, however it was not recommended as eligible for the NRHP. The County provided the cultural documentation to the BLM for review on August 31, 2016. Comments have not yet been received. Following report approval, Section 106 consultation would occur by BLM and Pima County.
- **Noise Analysis:** Mike Dawson discussed the findings of the noise report (conducted by Noise Expert, LLC in June, 2016). Noise measurements were taken at peak travel periods to obtain conservative values. Results indicated that the future build-out scenario would not exceed Pima County's Noise Abatement Criteria for existing or future planned land uses (mostly single and multi-family residential). As such, noise walls are not expected to be required for the project. Paul Bennett mentioned that rubberized asphalt would not be

used to reduce traffic noise, as it was not needed. The project will use the same surfacing as the neighboring project on Valencia Road to better blend the two projects.

- **Visual Impacts:** Rebeca Field said that Kimley-Horn is currently conducting a Visual Impacts Study, with results forthcoming. Mike Dawson indicated that his understanding was that the project would meet BLM's Visual Resource Management classification for the area. Karen Simms suggested that she agreed, but would have to verify.
- **Preliminary Initial Site Assessment:** A PISA was completed by Ninyo & Moore in late July, 2016. Heather Shoemaker indicated that the only facilities with potential to be hazmat sources included several of the adjacent residential developments and Ryan Airfield. None of these are expected to be impacted. Transformers on overhead power lines were not leaking, and would be responsibility of the utility if leaks were detected. There were no other issues.
- **Environmental Screening Summary Matrix and Results Memorandum:** The matrix and memorandum will be completed in September by EcoPlan (contact Mike Dawson or Patrick Blair), and submitted to Pima County.
- **Environmental Assessment and Mitigation Report (EAMR):** The Draft EAMR is expected to be complete by mid-October 2016. This document covers the full range of environmental issues and requires approval by the CAC. After CAC approval, the EAMR must be approved by vote of the Pima County Board of Supervisors, which is anticipated in January, 2017.
- **AZPDES Construction General Permit - SWPPP:** The project will disturb more than 1 acre, and so the project will require an approved SWPPP to control stormwater runoff.
- **Project Schedule:** Paul Bennett indicated that project construction is expected to begin in late 2017 or early 2018.

5. Action Items

- Mike Dawson will prepare for and attend the upcoming CAC meeting to discuss the EAMR process and share appropriate environmental details as they come up.
- Mike Dawson to complete the draft EAMR for submittal to Pima County
- Patrick Blair to complete Environmental Screening Summary Matrix and Results Memorandum (September 2016)
- Patrick Blair to complete the draft PJD and impacts analysis to determine Section 404 Permit Type
- Kimley-Horn to complete native plant inventory, Regulated Riparian Habitat evaluation, and the landscaping and mitigation plans
- Patricia Gilbert (PCRFCD) mentioned an existing mitigation project along Valencia Rd. at Sonoran Ranch Estates, and Rick Solis said he would contact her about how this might be affected.

Minutes prepared by EcoPlan Associates, September 20, 2016.

Attachment #6. Kickoff meeting agenda and meeting minutes

External Memorandum

■
Suite 280
333 E. Wetmore Rd
Tucson, Arizona
85705

MEETING NOTES

TO

X Paul Bennett, PCDOT	X Rick Solis, Kimley-Horn
X Carol Brichta, PCDOT	X Rebeca Field, Kimley-Horn
X Sal Caccavale, PCDOT	X Jason Freitas, Kimley-Horn
X Jim Cunningham, PCDOT	X Allen Hathcock, Kimley-Horn
X Xavier de la Garza, PCDOT	X Tim Rhine, Kimley-Horn
X Daniel Lucero, PCDOT	X Jeff Dana, Stantec
X Ann Moynihan, PCRFC	X Jerry Curless, CMG
X Bill Satterly, PC Real Property	X Mike Dawson, EcoPlan
X Daniel Tremblay, PCDOT Survey	X Marek Kasztalski, Ninyo & Moore
X Gary Underwood, PCDOT Utility	

X=Attended Meeting

Distribution Date: February 18, 2016
Date of Meeting: February 17, 2016
Project: **4RTVWE: Valencia Road: Wade To Ajo Way (AZ86)**
Meeting Place: Pima County Department of Transportation
201 N. Stone Ave, Tucson, AZ 85701
4th Floor
From: Rick Solis, Kimley-Horn and Associates, Inc.
Pages: 5

The meeting minutes for the aforementioned project are attached for your information and use. If you have any comments or questions, please contact me at (520) 615-9191. Thanks to all who participated in the meeting.

MEETING NOTES

4RTVWE: VALENCIA ROAD: WADE TO AJO WAY (AZ86)

1. Paul Bennett kicked off the meeting and noted the purpose of meeting was to introduce participants from the design team and the County, review the overall schedule, and identify next steps. Paul also mentioned the adjacent Valencia project should be done within the next 6 weeks.
2. Rick Solis presented the meeting agenda and its contents. Rick discussed the project team and highlighted team members – Peak Corrosion, Noise Experts, and CMG Drainage. Rick noted that noise analysis could play an important role.
3. Paul noted that noise reduction credits can't be taken when using terminal blend asphalt. Paul also added that this project may investigate the potential in reduction of noise by sampling along a roadway that has terminal blend.
4. Rick provided a **project overview**. Both Google Earth and roll plots were used. Key overview points included:
 - Reconstruct 2.8 miles of Valencia between Ajo Way (AZ86), terminating 1/3 mile west of Wade Road (Project - 4RTVMW).
 - A parkway typical section will be used consistent with the recently constructed east section. The laneage will include 11' lanes (two in each direction), 6' bike lanes, and either 5' sidewalk or an 8' wide paved pathway, along with rumble strips.
 - Landscape will be included within the median and along shoulders. Art will also be included in the project.
 - Signals/lighting at Vahalla Road and Iberia Avenue intersections and two other intersections will be evaluated. Rick added that these two signals were recommended in the 2011 Pima County Traffic Study for the corridor.
 - The existing ROW varies between 150-200 feet. TCEs will likely be required at drainage crossings. Avoidance of BLM / ASLD properties is critical to the project. Rick displayed a picture of a gate at the BLM property. Paul mentioned to review only paving driveway up to the gate which is at the right of way limits. The driveway should have header curb at its end just within right of way.
 - Utilities affected include: TEP lines along the west end of the project may need to move to the north side of the project; TRICO facilities at Iberia (3 phase cluster does not have redundancy and serves over 400 people in the Diablo Village / Tucson Mountain Ranch Neighborhoods); Avoid the 42" Tucson water main along Valencia, 12" Tucson water lines will require modification "dips" at drainage crossings; Coordination with 8" Metro Water dips; and Gas - distribution through most of project with Higher Pressure Line at West end (seasonal

constraints). 8" Metro Water lines will require adjustment (dips) at culvert crossings.

- The Diablo channel 10 pipe crossing was shown as a reminder that when generating traffic control costs, additional attention should be paid to this crossing and coordination with Ali Fermawi (PCDOT Field) should be started early. Xavier noted that an access easement near the pipe crossing may exist and will need to be maintained.
 - Coordination with ongoing development / construction – ADOT / Sonoran Ranch II along north R/W line just east of the BLM property.
5. Xavier mentioned he will gather development plans for Sonoran Ranch to check driveway designs accessing Valencia. These designs will be evaluated as necessary when the team receives the plans.
 6. Rick noted that Vahalla Road jogs through the intersection with Valencia. Bill Satterly mentioned that ROW resolution with ASLD is currently being pursued for this area. Pima County's intentions for this roadway are to realign the roadway intersection to eliminate the offset.
 7. New ADTs will be counted in late March 2016, which is after the completion of the previous Valencia segment. Turning Movement counts will be taken at Wade. These counts will allow the team to check if any differences have come about in the previous years.
 8. Mike Dawson commented on the noise analysis needs which include ADTs, peak truck volumes, and 85% percentile speed numbers.
 9. Rick stated there are 4 existing mailboxes in the project vicinity which are located East of Victor. These will need to be coordinated when commencing design.

PROJECT ADMINISTRATION

10. Lines of Communication: Allen Hathcock will always be copied when Rick Solis sends out emails. For external type emails/communication from the design team; at least two employees of Kimley-Horn will be on all emails. Paul Bennett requested he be copied from County personnel as well.
11. Monthly Meetings: It was decided that the entire project team will meet at 1:00 p.m. on the 3rd Wednesday of each month. The design team will have weekly 30 minute conference calls to discuss project updates.
12. Project Filing: Rick told the team that a share-file site has been setup with access for everyone to upload / download files for team viewership. This information will also be communicated as part of the distribution of meeting minutes.

SCHEDULE AND DELIVERABLES

13. Schedule: The team reviewed the schedule attached in the agenda. Paul mentioned he hopes the design is completed by Fall of 2017.
14. Critical Path: Rick mentioned a few critical path items for the schedule. First Rick noted Traffic Counts (Item 10) being important to begin the Noise analysis. Next, Bluestake and Potholing (Items 21 and 22) are key items to keep the project on course. The team will determine a utility conflict list (Item 26). The team mentioned that Metro Water needs to be added into the schedule for relocation. It was mentioned that gathering right of way (Item 52) needs to be completed by August 2016. Paul requested that Post Construction CLOMR be deleted from the schedule.
15. Mike Dawson mentioned he was concerned about the BLM and ASLD properties extending to the section line which is at the middle of the roadway. Bill Satterly will verify ownership.
16. Rick mentioned that Valencia appears to be higher than the BLM property and that headcutting into the Valencia shoulder is occurring near right-of-way. This would provide a depression for the proposed culverts to be placed within, therefore eliminating the need for TCE/ROW within BLM property.

TECHNICAL DATA

17. Design Standards: Rick mentioned the design standards that will be followed; 2013 PCDOT RDM, PAG standards and specifications, and any stored specifications. Paul noted to contact Robert Johnson for any stored specs. Xavier noted that the updated pavement design procedures are nearing completion. Paul stated that the contract considered the pavement design (R-value) update.
18. Rick mentioned that Value Engineering will be applied early in the project design. Paul noted that as an option, the team could explore cost and material savings from using TxDOT boxes instead of ADOT boxes once extent/size of boxes are determined
19. The team discussed some lessons learned from previous projects. The first ones discussed were “level” wingwalls that could be sloped with the fill slopes instead of sticking out so high. The next was for contractors to pour slurry over the steel pipes so trucks can drive over them without the risk of failure. Channel lining and the use of hand placed grouted rip rap vs concrete was also discussed. Paul said we will decide grouted rip rap vs concrete at a later time. The team should keep in mind putting conduit under the roadway for future signal designs. Sal suggested that the team make sure to evaluate the possibility of “Pima Trails” in the project area. Jim

brought up the idea of allocating shoulder for future sidewalk or multi-use path on both sides even though only one side will receive sidewalk/multi-use path.

20. List of Deliverables: The team looked over the project deliverables in the agenda. Mike mentioned a cultural resources report needs to be added. It was mentioned that the utilities item in the schedule needs to reference detail 600. Pima County will supply this detail to Kimley-Horn.
21. Jerry from CMG mentioned a drainage report will not accompany the initial PS&E.

QUALITY CONTROL PLAN

22. Rick discussed that a draft QC Plan is in process and that it contains certifications of compliance for consultants and review processes consistent with the RDM requirements. Rick stated that for major submittals, three weeks will be allocated for QC and revisions. Two weeks will be allocated for minor report submittals.

End Meeting

ACTION ITEMS

- Gather development plans of Sonoran Ranch – Xavier (PCDOT)
- Add Metro Water relocation into schedule – Rick (Kimley-Horn)
- Delete Post CLOMR from Schedule – Rick (Kimley-Horn)
- Verify BLM / ASLD extents – Bill Satterly (Real Property)
- Add cultural resources report to the project deliverables – Rick (Kimley-Horn)
- Ted to supply Detail 600 to Kimley-Horn – **COMPLETE**
- Contact Robert Johnson for additional stored specs – Rick (Kimley-Horn)
- Provide updated detail for push button close to the road – Paul Bennett/Larry Wallace (PCDOT)
- Verify if easement near the Diablo Channel Pipe crossing needs a driveway – Xavier (PCDOT)
- Request 42” CC Water avoidance zone paperwork from Paul – Rick (Kimley-Horn) - **COMPLETE**
- Verify inclusion of cattle guard in ADOT SR 86 Kinney Plans – Rick (Kimley-Horn)

**Attachment #7. The State Historic Preservation Office Survey Report
Summary Form**

**STATE HISTORIC PRESERVATION OFFICE
SURVEY REPORT SUMMARY FORM**

1

1. REPORT TITLE

- 1a. Report Title:** *Cultural Resources Survey, Valencia Road Widening Project, Wade Road to Ajo Highway, Pima County, Arizona*
- 1b. Report Author:** Scott O'Mack
- 1c. Date:** August 2016
- 1d. Report No.:** 16-567

2. PROJECT REGISTRATION/PERMITS

- 2a. ASM Accession Number:** 2016-0302
- 2b. AAA Permit No.:** 2016-035bl
- 2c. ASLD Lease Application Number:** Not applicable (N/A)
- 2d. Other Permit Number:** Bureau of Land Management (BLM) AZ-000548

3. ORGANIZATION/CONSULTING FIRM

- 3a. Name:** EcoPlan Associates, Inc. (EcoPlan)
- 3b. Internal Project Number:** 16-567
- 3c. Internal Project Name:** Valencia Road: Wade Road to Ajo Highway
- 3d. Contact Name:** Scott O'Mack
- 3e. Contact Address:** 78 W. Cushing St., Tucson AZ 85701
- 3f. Contact Phone:** (520) 624-4326, ext. 166
- 3g. Contact Email:** somack@ecoplanaz.com

4. SPONSOR/LEAD AGENCY

- 4a. Sponsor:** Pima County Department of Transportation
- 4b. Lead Agency:** BLM
- 4c. Agency Project Number:** Pima County Project No. 4RTVWE
- 4d. Agency Project Name:** Valencia Road: Wade Road to Ajo Highway
- 4e. Funding Source:** Pima County Department of Transportation
- 4f. Other Involved Agencies:** N/A
- 4g. Applicable Regulations:** National Historic Preservation Act, Arizona Antiquities Act

- 5. DESCRIPTION OF PROJECT OR UNDERTAKING:** The Pima County Department of Transportation plans to widen Valencia Road from Wade Road to Ajo Highway (State Route 86). This project consists of widening approximately 2.75 miles of Valencia Road from an existing two-lane roadway to a four-lane parkway in compliance

**STATE HISTORIC PRESERVATION OFFICE
SURVEY REPORT SUMMARY FORM**

2

with the Regional Transportation Authority regional transportation plan. The new roadway will be divided by a raised median, with two travel lanes in each direction, turning lanes, bicycle lanes, and pedestrian facilities.

The purpose of the intensive pedestrian (Class III) cultural resources survey reported here was to identify cultural resources within the area of potential effects (APE), assess the eligibility of identified resources for listing in the National Register of Historic Places (NRHP) in accordance with 36 Code of Federal Regulations 60.4, and make a recommendation concerning the potential effect of the proposed undertaking on resources listed in or eligible for listing in the NRHP.

6. PROJECT AREA/AREA OF POTENTIAL EFFECTS: The Valencia Road widening project will be restricted largely to the existing Valencia Road right-of-way (ROW) between Wade Road on the east and Ajo Highway on the west. The length of this segment of the ROW is 3.25 miles (5.23 km); the width varies from 150 to 200 feet (46 to 61 m). The APE also includes a portion of the existing ROW of a minor cross street (Vahalla Road) and small areas along the Valencia Road ROW where ancillary drainage features will be constructed (see Figure 19b).

7. PROJECT LOCATION

7a. Address: N/A

7b. Route: N/A

7c. Milepost Limits: N/A

7d. Nearest City/Town: Tucson (3 miles east)

7e. County: Pima

7f. Project Locator UTM: 486736m Easting
3555209m Northing

7g. NAD: 83

7h. Zone: 12

7i. Meridian and Base Line: Gila and Salt River

7j. USGS Quadrangles: Cat Mountain,
Brown Mountain

7k. Legal Description: T15S, R11E, S12, SE $\frac{1}{4}$ of SE $\frac{1}{4}$; T15S, R11E, S13, NE $\frac{1}{4}$ of NE $\frac{1}{4}$; T15S, R12E, S7, S $\frac{1}{2}$ of S $\frac{1}{2}$; T15S, R12E, S8, S $\frac{1}{2}$ of S $\frac{1}{2}$; T15S, R12E, S9, S $\frac{1}{2}$ of S $\frac{1}{2}$; T15S, R12E, S16, N $\frac{1}{2}$ of N $\frac{1}{2}$; T15S, R12E, S17, N $\frac{1}{2}$ of N $\frac{1}{2}$; T15S, R12E, S18, N $\frac{1}{2}$ of N $\frac{1}{2}$

**STATE HISTORIC PRESERVATION OFFICE
SURVEY REPORT SUMMARY FORM**

8. SURVEY AREA

8a. Total Acres: 74.13

8b. Survey area:

1. Land Ownership	2. Total Acres Surveyed	3. Total Acres Not Surveyed	4. Justification for Areas Not Surveyed
Pima County	53.36	0	N/A
Arizona State Land Department	9.12	0	N/A
BLM	11.65	0	N/A

9. ENVIRONMENTAL CONTEXTS

9a. Landform: Bajada (coalescing alluvial fan)

9b. Elevation: 2,440–2,480 feet above mean sea level

9c. Surrounding Topographic Features: The project area is about 4 miles southwest of the Tucson Mountains.

9d. Nearest Drainage: The Santa Cruz River runs south–north about 7 miles east of the project area. Several small seasonal washes trend southeast–northwest through the project area, part of a system of washes that drain eventually into Brawley Wash about 9 miles west of the project area.

9e. Local Geology: Mixed-fan alluvium (National Resources Conservation Service [NRCS] 2013)

9f. Vegetation: Sonoran Desert Region, Arizona Upland Subdivision (Turner and Brown 1994); no intact native vegetation is found in the survey area.

9g. Soils/Deposition: Soils range from well-drained loam to well-drained fine sandy loam of the Tubac, Mohave, and Yaqui complexes that form on floodplains and fan terraces (NRCS 2013).

9h. Buried Deposits: Not likely

9i. Justification: The area has been heavily disturbed through construction of Valencia Road.

10. BUILD ENVIRONMENT: Valencia Road and ancillary drainage features

11. INVENTORY CLASS COMPLETED

11a. Class I Inventory:

11b. Researchers:

11c. Class II Survey:

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11d. Sampling Strategy:

11e. Class III Inventory:

12. BACKGROUND RESEARCH SOURCES

12a. AZSITE:

12b. ASM Archaeological Records Office:

12c. State Historic Preservation Office (SHPO) Inventories and/or SHPO Library:

12d. NRHP Database:

12e. Arizona Department of Transportation Portal:

12f. General Land Office (GLO) Maps: Township 15 South, Range 11 East, Gila and Salt River Meridian and Base Line, filed June 11, 1888; and Township 15 South, Range 12 East, Gila and Salt River Meridian and Base Line, filed October 14, 1918; no potential resources are shown within the APE.

12g. Land-Managing Agency Files: BLM Tucson Field Office

12h. Tribal Cultural Resources Files: N/A

12i. Local Government Websites: N/A

12j. Other: N/A

13. BACKGROUND RESEARCH RESULTS

13a. Previous Projects Within Study Area.

1. Project Reference Number	2. Project Name	3. Author(s)	4. Year
1991-255.ASM	Valencia Project	Roberts and Seymour	1991
1993-125.ASM	Vahalla Road Survey	Roberts	1993
1993-257.ASM	Blanco Estates Survey	Seymour	1993
1993-363.ASM	1000 Acres Survey of Tucson Aqueduct System Reliability Project	Troncone et al.	1993
1994-326.ASM	Ryan Field Survey	Freeman	1994
1995-148.ASM	Avra Valley-Valencia Road Survey	Swartz	1995
1995-274.ASM	Fiesta Estates Survey	Carpenter	1995
1995-62.ASM	Valencia Survey	Freeman	1995
1996-84.ASM	Diablo Village	Yoder	1996
1980-56.ASM	Diablo Village Estates, Valencia and Vahalla	Urban	1980

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1. Project Reference Number	2. Project Name	3. Author(s)	4. Year
1988-218.ASM	Archaeological Survey of a 2-Mile-Long Proposed ROW for Trico Electric Cooperative, Inc.	Maldonado	1988a
1986-162.ASM	Archaeological Clearance Survey Along State Route 86 near Ryan Field, Pima County	Ervin	1986
1988-92.ASM	Archaeological Survey of 3.5 Miles of ROW for a Proposed Powerline	Maldonado	1988b
1975-15.ASM	Brawley Wash–Robles Junction	No information available	1975
1976-4.ASM	Diablo Village Estates	Lensink	1976
1975-14.ASM	Avra Valley–Ryan Field	No information available	1975
1999-85.ASM	Survey for the Three Points to Kinney Rd. Pavement Preservation Project	Hill and Bruder	1999
1998-517.ASM	Star Valley Village Wade Road R.O.W.	Stephen	1998
1998-537.ASM	Star Valley Village	Stephen	1998
2000-171.ASM	West Star Estates Valencia/Victor roads 76.67-Acre Survey (00SV#18)	Jones	2000
2001-321.ASM	TRICO On-Call (Valencia and Vahalla Survey)	Hesse	2001
2001-90.ASM	Ryan Field County Park Cultural Resources Assessment	Wyman and Dart	2001
1996-428.ASM	Fiesta 2 Survey	Tompkins	1996
2003-1458.ASM	Sonoran Ranch Estates II	Stephen	2003
2002-4.ASM	Picture Rocks/Sandario to Valencia/Camino de Oeste ca. 31-Mile Cultural Resources Survey	Jones and Dart	2002
2003-368.ASM	Sonoran Archaeological Survey	Sayre	2002
SHPO-2002-135	Cultural Resources Survey of a 0.5-Mile Right-of-Way on State Trust Land in the Avra Valley	Rieder	2001

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1. Project Reference Number	2. Project Name	3. Author(s)	4. Year
2003-1471.ASM	TRICO Vahalla-Los Reales Survey	Hesse	2003
2004-1725.ASM	Valencia Road and Ajo Way Survey	Craig	2004
2004-624.ASM	TRICO Diablo Village Estates Cultural Resources	Barr	2004
2005-479.ASM	Valencia and Vahalla Roads Survey	Hopkins	2004
2003-1368.ASM	TEP ASLD Survey	Harrison and Hesse	2003
2005-292.ASM	Sonoran Estate II Easement Sec. 7	Stephen	2005
2005-1233.ASM	Camino Verde	Williams	2005
2008-514.ASM	Recon 18.5	Luchetta and Moses	2008
2009-458.ASM	Valencia/Camino Verde	Murphy and Urban	2009
2006-551.ASM	Valencia Road Improvements	Barr	2006
2007-583.ASM	Diablo Village Estates CWA Permitting	Malarchik	2005
2006-942.ASM	Pomegranate Farms II Survey	Howell	2006
2011-242.ASM	TEP Ryan Line EA	Barr	2010
2011-300.ASM	Valencia Road, Mountain Eagle to Mark Road	Lundin	2011
2014-346.ASM	Trico Vahalla Tie-Line Environmental Services	Barr	2014
2006-831.ASM	No information available		
2008-432.ASM	No information available		
2011-62.ASM	No information available		
2013-384.ASM	No information available		
2016-23.ASM	No information available		
16-141.BLM	Archaeological Clearance Survey Along State Route 86	Ervin	1986
16-145.BLM	No information available		
16-147.BLM	Why-Tucson Hwy. Survey	Ervin	1986
16-108.BLM	Navajo-Hopi Land Exchange	Taylor	1985
16-21.BLM	Cultural Resource Clearance Silver Bell Planning Unit A-10840	Simonis	1978

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1. Project Reference Number	2. Project Name	3. Author(s)	4. Year
16-89.BLM	Right-of-Way Clearance A-18241	Gibson	1983

13b. Previously Recorded Cultural Resources Within Study Area.

1. Site Number/Name	2. Cultural/ Temporal Affiliation	3. Site Type	4. Eligibility Status	5. Associated Reference
AZ AA:16:377 (ASM)	Euro-American/ A.D. 1900– 1950/ Late Historic	Road/State Route 86	Not evaluated	Ervin 1986
AZ AA:16:422 (ASM)	Hohokam/ Middle Rincon Phase	Artifact scatter with no features	Considered eligible (Criterion D)	Stephen 1998
AZ AA:16:52 (ASM)	Hohokam/ A.D. 950– 1100/Late Rincon Phase	Artifact scatter	Considered eligible (Criterion D)	Malarchik 2005
AZ AA:16:457 (ASM)	Hohokam/ A.D. 250– 1500/ Ceramic Period	Artifact scatter	Considered eligible (Criterion D)	Sayre 2002
AZ AA:16:458 (ASM)	Hohokam/ A.D. 250– 1500/ Ceramic Period; Euro- American/ A.D. 1900– 1950/ Late Historic	Historic Structures, thermal features, and artifact scatter	Considered eligible (Criterion D); SHPO concurrence 2003	Sayre 2002
AZ AA:16:517 (ASM)	Hohokam/ A.D. 950– 1100/ Sedentary Period	Artifact scatter	Considered eligible (Criterion D)	Howell 2006
AZ AA:16:518 (ASM)	Hohokam/ A.D. 450– 1100/Pre- Classic period	Artifact scatter	Considered eligible (Criterion D)	Howell 2006

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1. Site Number/Name	2. Cultural/Temporal Affiliation	3. Site Type	4. Eligibility Status	5. Associated Reference
AZ AA:16:519 (ASM)	Hohokam/A.D. 950-1100/Sedentary Period	Artifact scatter	Considered eligible (Criteria D)	Howell 2006
AZ AA:16:482 (ASM)	No information available	No information available	No information available	No information available
AZ AA:16:550 (ASM)	No information available	No information available	No information available	No information available
AZ AA:16:568 (ASM)	No information available	No information available	No information available	No information available
AZ AA:16:612 (ASM)	No information available	No information available	No information available	No information available
AZ AA:16:613 (ASM)	No information available	No information available	No information available	No information available
AZ AA:16:3 (BLM)	Unknown Native American/prehistoric	Artifact scatter	Not eligible	Taylor 1985

13c. Historic Buildings/Districts/Neighborhoods.

1. Property Name or Address	2. Year	3. Eligibility Status
N/A	N/A	N/A

14. CULTURAL CONTEXTS

- 14a. Prehistoric Culture:** Paleoindian, Archaic, Hohokam
- 14b. Protohistoric Culture:** Tohono O’odham, Apache
- 14c. Indigenous Historic Culture:** Tohono O’odham, Yaqui
- 14d. Euro-American Culture:** A.D. 1690-1950

15. FIELD SURVEY PERSONNEL

- 15a. Principal Investigator:** Scott O’Mack
- 15b. Field Supervisor:** Christopher Taylor

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15c. Crew: Ted Eldridge

15d. Fieldwork Date: July 13, 2016

16. SURVEY METHODS

16a. Transect Intervals: 15 m

16b. Coverage (%): 100

16c. Site Recording Criteria: Arizona State Museum (ASM)

16d. Ground Surface Visibility (%): 75–100

16e. Observed Disturbances: Construction of existing Valencia Road

17. FIELD SURVEY RESULTS

17a. No Cultural Resources Identified:

17b. Isolated Occurrences (IOs) Only:

17c. Number of IOs Recorded: 1

17d. Table of IOs.

1. IO Number	2. Description	3. Date Range	4. UTM's
1	GLO survey marker (half-section marker on section line between S16 and S17, T15S, R12E); brass cap on steel pipe embedded vertically in ground	1916 (stamped on survey marker)	0487577 E 3554413 N

18. COMMENTS:

EcoPlan conducted a Class III cultural resources survey of the APE in anticipation of a road-widening project along approximately 2.75 miles of Valencia Road. The APE includes the existing Valencia Road ROW between Wade Road and Ajo Highway, plus a portion of the existing ROW of a minor cross street (Vahalla Road) and small areas along the Valencia Road ROW where ancillary drainage features will be constructed. EcoPlan archaeologists Christopher Taylor and Ted Eldridge conducted the survey on July 13, 2016, and found a single cultural resource in the APE—a GLO survey marker placed in 1916. EcoPlan recommends that the marker, designated Isolated Occurrence (IO) 1, be considered ineligible for listing in the NRHP.

Only one cultural resource was previously recorded within the APE—archaeological site AZ AA:16:458 (ASM), the remains of a historic-period farmstead. The site was found by SWCA Environmental Consultants, Inc., in a survey for a proposed housing development (Sayre 2002) and was determined eligible for listing in the NRHP by the Arizona SHPO in 2003 (AZSITE 2016). Most of the site was recorded south of the Valencia Road ROW, but a

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small portion may have extended into the current APE (the plot of the site in AZSITE and the original site record is ambiguous). In the EcoPlan survey, no trace of the site could be found in the APE. Some of the site's features are visible just south of the APE, but the EcoPlan survey did not extend beyond the APE.

Based on the results of the Class III survey, EcoPlan recommends a finding of no historic properties affected for the proposed road-widening project.

19. ATTACHMENTS

- 19a. Project Location Map:
- 19b. Land Jurisdiction Map:
- 19c. Background Research Map: (Redacted for public viewing)
- 19d. GLO Map:
- 19e. References:

20. CONSULTANT CERTIFICATION

I certify the information provided herein has been reviewed for content and accuracy and all work meets applicable agency standards.

Signature: 
Name: Scott O'Mack, MA, RPA
Title: Principal Investigator

Date: August 30, 2016

21. DISCOVERY CLAUSE

In the event that previously unreported cultural resources are encountered during ground-disturbing activities, all work must immediately cease within 30 m (100 feet) until a qualified archaeologist has documented the discovery and evaluated its eligibility for the Arizona or National Register of Historic Places in consultation with the lead agency, SHPO, and the tribes, as appropriate. Work must not resume in this area without approval of the lead agency.

If human remains are encountered during ground-disturbing activities, all work must immediately cease within 30 m (100 feet) of the discovery, and the area must be secured. The ASM, lead agency, SHPO, and appropriate tribes must be notified of the discovery. All discoveries would be treated in accordance with Native American Graves Protection and Repatriation Act (Public Law 101-601; 25 U.S.C. 3001-3013) or Arizona Revised Statutes (A.R.S. § 41-844 and A.R.S. § 41-865), as appropriate, and work must not resume in this area without authorization from ASM and the lead agency.

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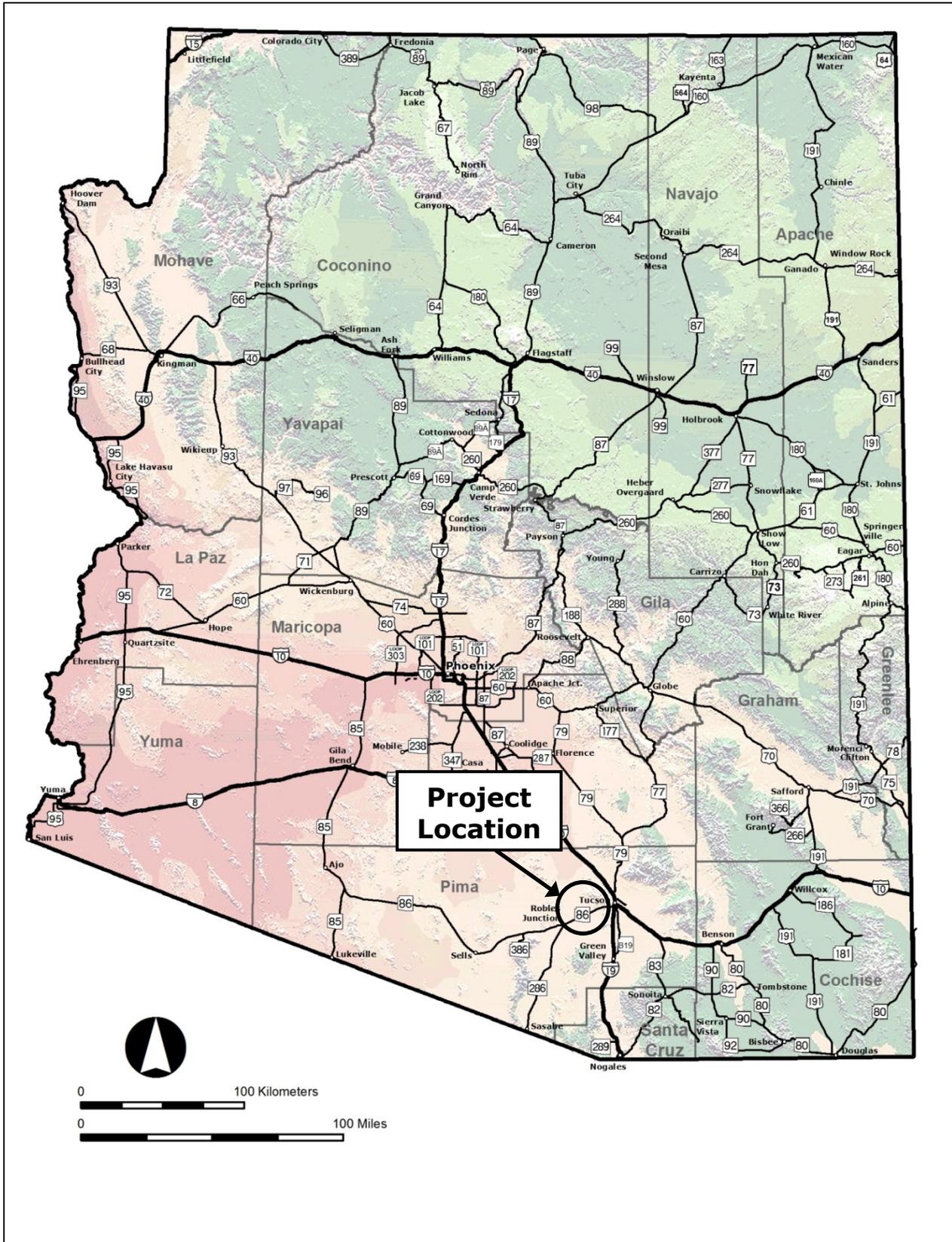


Figure 19a. Project location map

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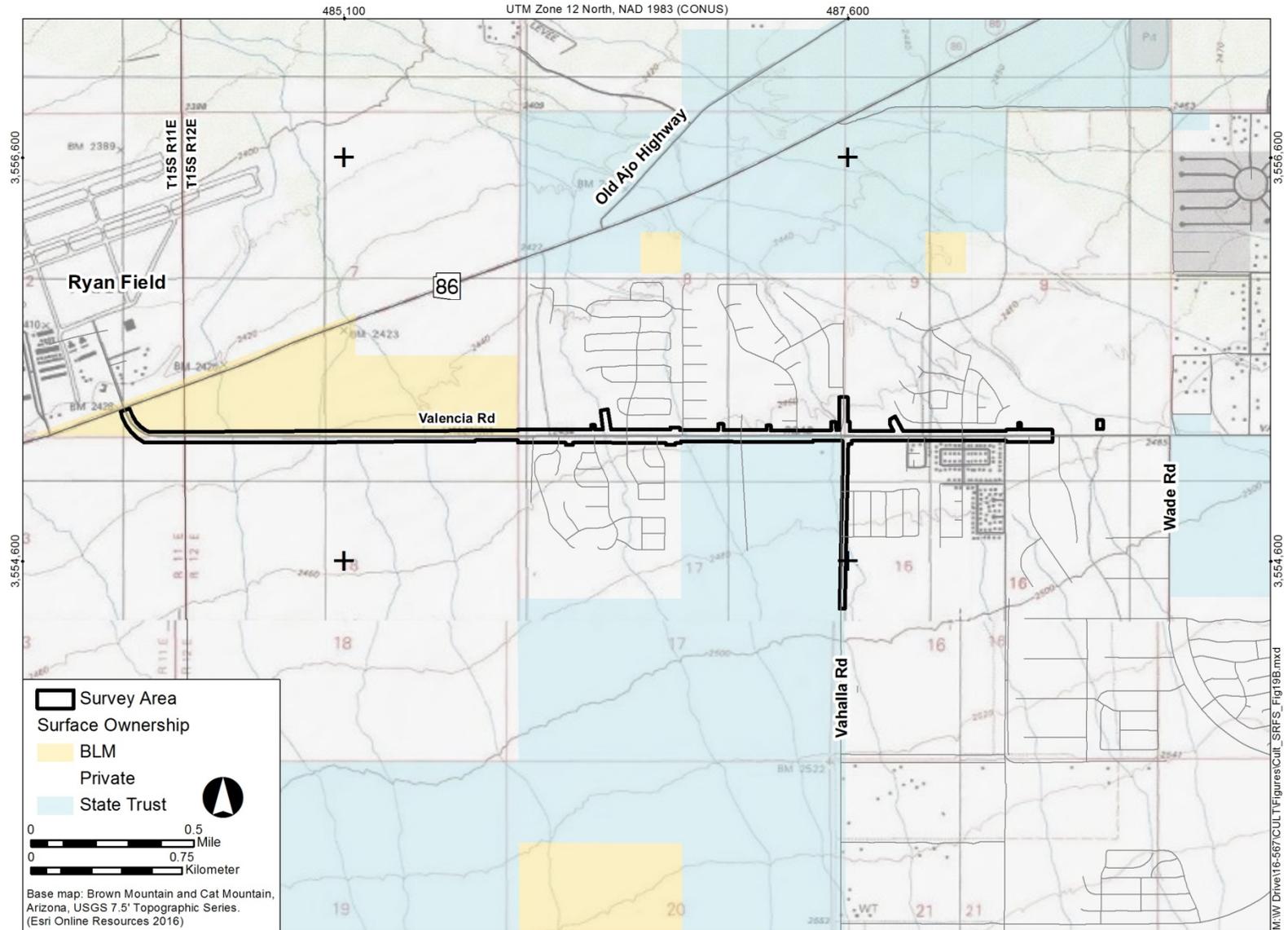


Figure 19b. Land jurisdiction map

Redacted for public viewing

Figure 19c. Background research map

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19e. References

AZSITE

- 2016 AZSITE: Arizona's Cultural Resources Inventory. Electronic database, <http://azsite3.asurite.ad.asu.edu/azsite/>. Accessed July 21, 2016. Cultural resources database managed by the ASM, University of Arizona, Tucson.

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- 2004 *A Cultural Resources Survey of 0.54 Miles of Pima County Right-of-Way in Diablo Village Estates, Southwest of Tucson, Pima County, Arizona*. Cultural Resources Report No. 04-227. SWCA Environmental Consultants, Inc., Tucson.
- 2006 *An Archaeological Survey of Approximately 265 Acres for the Valencia Road Improvement Project, Pima County, Arizona*. Cultural Resources Report No. 06-374. SWCA Environmental Consultants, Inc., Tucson.
- 2010 *Archaeological Survey for the Authorization of BLM Right-of-Way AZA 32485 in Pima County, Arizona*. Cultural Resources Report No. 10-477. SWCA Environmental Consultants, Inc., Tucson.
- 2014 *Archaeological Survey of a 1-Mile-Long Corridor for the Proposed Vahalla Road Tie-Line in Pima County, Arizona*. (TRICO Work Order No. 47360); Cultural Resources Report No. 14-377. SWCA Environmental Consultants, Inc., Tucson.

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- 1995 *An Archaeological Assessment for a 320-Acre Parcel of Land at the Intersection of Valencia Road and Vahalla Road near Tucson, Pima County, Arizona*. Technical Report No. 95-19; ASM Project No. 1995-274. Tierra Right of Way Service, Ltd., Tucson.

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- 2004 *A Cultural Resources Survey of 35 Acres near the Intersection of Valencia Road and Ajo Way, Pima County, Arizona*. Technical Report No. 04-89. Northland Research, Inc., Tempe.

Ervin, Richard G.

- 1986 *Archaeological Clearance Survey Along State Route 86, Pima County, Arizona*. ASM Cultural Resource Management. BLM Project No. 16-141. Prepared for Johnson-Brittain and Associates, Incorporated. Copies available from the BLM Tucson Field Office, Tucson.

Freeman, Andrea K.

- 1994 *Archaeological Survey for a Proposed Detention Basin and Apron Expansion at Ryan Airfield, Pima County, Arizona*. Desert Archaeology Letter Report No. 94-135; ASM Project No. 1994-326. Desert Archaeology, Inc., Tucson.
- 1995 *Archaeological Survey and Records Check for a Proposed Water Main Along the Southern Portion of Valencia Road, One-Half Mile West of Vahalla St*. Letter Report No. 95-109; ASM Project No. 1995-62. Desert Archaeology, Inc., Tucson.

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Hopkins, Maren

- 2004 *A Cultural Resources Survey of 40 Acres near the Intersection of Valencia Road and Vahalla Road, Pima County, Arizona*. Technical Report No. 04-159. Northland Research, Inc., Tempe.

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- 2006 *The Pomegranate II Survey: A Class III Cultural Resources Survey of Approximately 480 Acres near the Intersection of Vahalla Road and Valencia Road in Pima County, Arizona*. Cultural Resources Report No. 2006-29. WestLand Resources, Tucson.

Jones, Jeffery T.

- 2000 *Cultural Resources Survey of 76.67 Acres South of Valencia Road and East of Victor Road in Pima County, Arizona*. Letter Report No. 2000.030; ASM Project No. 2000-171. Old Pueblo Archaeology Center, Tucson.

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- 2002 *Cultural Resources Survey of 30.97 Miles of 66-Foot-Wide Communications Cable Access Corridors West of Tucson in Pima County, Arizona*. Letter Report No. 2002.002; ASM Accession No. 2002-004. Old Pueblo Archaeology Center, Tucson.

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Lundin, Deil R.

- 2011 *A Cultural Resources Assessment for the Valencia Road, Wade Road to Mark Road Project in Pima County, Arizona.* HDR Report No. 11-03. HDR Engineering, Inc., Phoenix.

Malarchik, Eleonore

- 2005 *A Re-Evaluation of a Class III Cultural Resources Survey for Diablo Village Estates in Pima County, Arizona.* Cultural Resources Report No. 2005-58. WestLand Resources, Tucson.

Maldonado, Ronald P.

- 1988a *An Archaeological Survey of a 2-Mile-Long Proposed Right-of-Way for Trico Electric Cooperative, Inc.* W.O. #10156. Cultural and Environmental Systems, Inc., Tucson.

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- 1993 *Vahalla Road Cultural Survey, Pima County, Arizona.* ASM Project No. 1992-125; SWCA Environmental Consultants Project No. 25-93250-1. SWCA Environmental Consultants, Inc., Tucson.

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- 1991 *A Cultural Resources Survey of an 11-Mile Corridor in the Avra Valley, Pima County, AZ. The Three Points to Valencia Project.* ASM Survey No. 1991-255; SWCA Environmental Consultants Project No. 52-92802-1. SWCA Environmental Consultants, Inc., Tucson.

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- 1993 *The Valencia to Vahalla Cultural Resource Survey, Pima County, Arizona.* ASM Project No. 1993-257; SWCA Environmental Consultants Project No. 52-93367-1. SWCA Environmental Consultants, Inc., Tucson.

Simonis, Donald E.

- 1978 *Cultural Resource Clearance for the Silver Bell Planning Unit A-10840.* BLM Project No. 16-21. Copies available from the BLM Tucson Field Office, Tucson.

Stephen, David V. M.

- 1998 *Report for Star Valley Village Archaeological Survey.* ASM Project No. 1998-571; Professional Archaeological Services and Technologies (PAST) Job No. 981015. PAST, Tucson.
- 2003 *Cultural Resources Survey of the Sonoran Ranch Estates II Project near Tucson, Pima County, Arizona.* PAST Cultural Resources Report No. 031566; ASM Accession No. 2003-1458. PAST, Tucson.
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- 1995 *An Archaeological Survey Along Valencia Road.* ASM Project No. 1995-148; Letter Report No. 95-137. Desert Archaeology, Tucson, Arizona.

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- 1980 *Paseo Vista*. Cultural Resource Management Services internal report prepared for the ASM. ASM Project No. 1980-18. Copies available from the ASM, University of Arizona, Tucson.

Williams, Cara Mia

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Yoder, Thomas D.

- 1996 *An Archaeological Survey of a 2,640-Foot-Long, 20-Foot-Wide Powerline Corridor, Pima County, Arizona*. SWCA Environmental Consultants Project No. 52-61430; ASM Project No. 1996-84. SWCA Environmental Consultants, Inc., Tucson.

Attachment #8. AGFD On-Line Environmental Review Tool Receipt

Arizona Environmental Online Review Tool Report



Arizona Game and Fish Department Mission

To conserve Arizona's diverse wildlife resources and manage for safe, compatible outdoor recreation opportunities for current and future generations.

Project Name:

Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86).

User Project Number:

16-567

Project Description:

Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86). This is a roadway widening project along approximately 2.8 miles of Valencia Road, from Ajo Highway to just west of Wade Road, and portions of Valhalla Road to 1/4 mile north and 1/2 mile south of Valencia Road in Pima County, Arizona.

Project Type:

Transportation & Infrastructure, Road construction (including staging areas), Road widening (shoulders or additional or new lanes)

Contact Person:

Thomas Ashbeck

Organization:

EcoPlan Associates, Inc.

On Behalf Of:

CONSULTING

Project ID:

HGIS-03777

Please review the entire report for project type and/or species recommendations for the location information entered. Please retain a copy for future reference.

Disclaimer:

1. This Environmental Review is based on the project study area that was entered. The report must be updated if the project study area, location, or the type of project changes.
2. This is a preliminary environmental screening tool. It is not a substitute for the potential knowledge gained by having a biologist conduct a field survey of the project area. This review is also not intended to replace environmental consultation (including federal consultation under the Endangered Species Act), land use permitting, or the Departments review of site-specific projects.
3. The Departments Heritage Data Management System (HDMS) data is not intended to include potential distribution of special status species. Arizona is large and diverse with plants, animals, and environmental conditions that are ever changing. Consequently, many areas may contain species that biologists do not know about or species previously noted in a particular area may no longer occur there. HDMS data contains information about species occurrences that have actually been reported to the Department. Not all of Arizona has been surveyed for special status species, and surveys that have been conducted have varied greatly in scope and intensity. Such surveys may reveal previously undocumented population of species of special concern.
4. HabiMap Arizona data, specifically Species of Greatest Conservation Need (SGCN) under our State Wildlife Action Plan (SWAP) and Species of Economic and Recreational Importance (SERI), represent potential species distribution models for the State of Arizona which are subject to ongoing change, modification and refinement. The status of a wildlife resource can change quickly, and the availability of new data will necessitate a refined assessment.

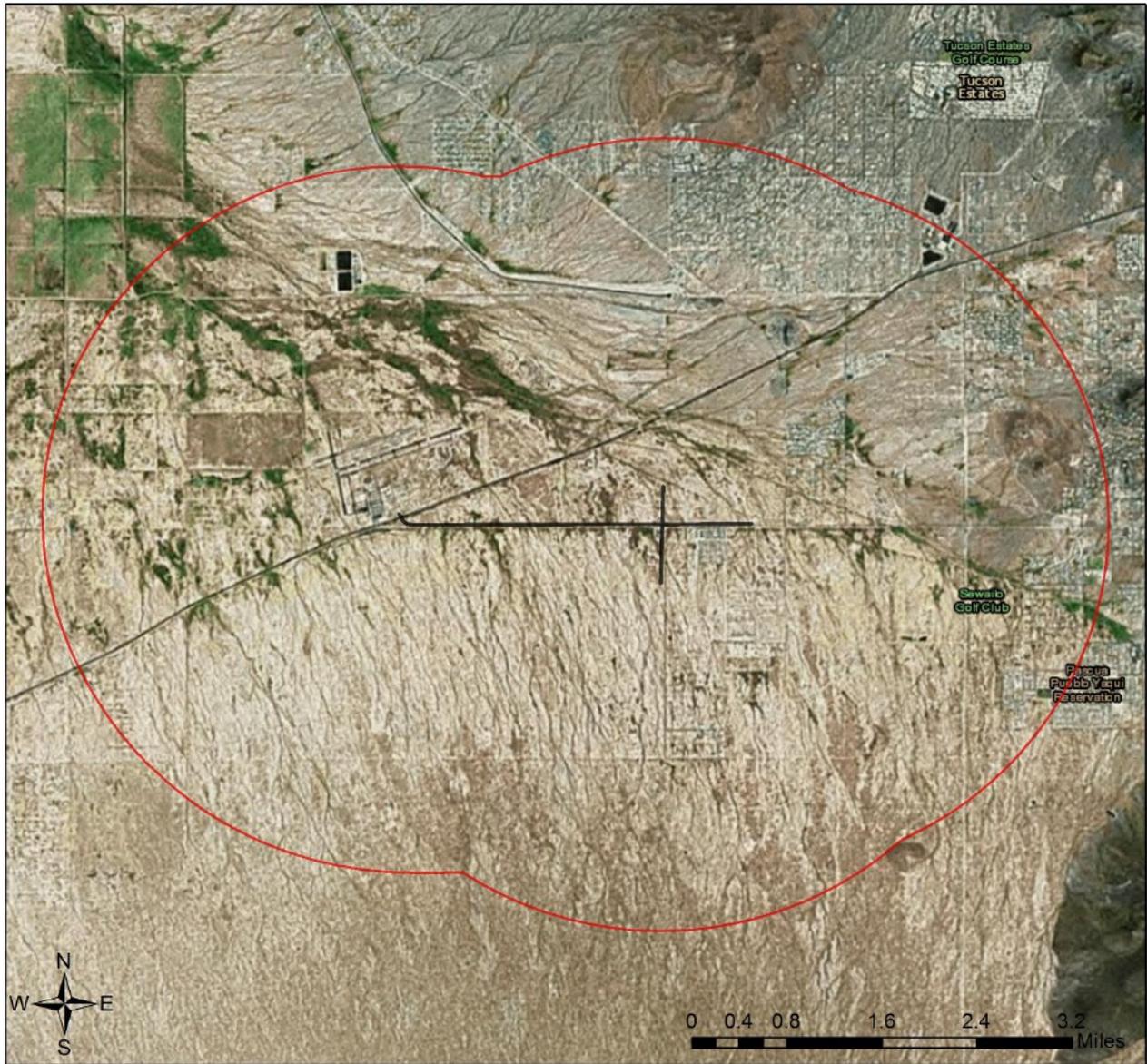
Locations Accuracy Disclaimer:

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Report is solely responsible for the project location and thus the correctness of the Project Review Report content.

Recommendations Disclaimer:

1. The Department is interested in the conservation of all fish and wildlife resources, including those species listed in this report and those that may have not been documented within the project vicinity as well as other game and nongame wildlife.
2. Recommendations have been made by the Department, under authority of Arizona Revised Statutes Title 5 (Amusements and Sports), 17 (Game and Fish), and 28 (Transportation).
3. Potential impacts to fish and wildlife resources may be minimized or avoided by the recommendations generated from information submitted for your proposed project. These recommendations are preliminary in scope, designed to provide early considerations on all species of wildlife.
4. Making this information directly available does not substitute for the Department's review of project proposals, and should not decrease our opportunity to review and evaluate additional project information and/or new project proposals.
5. Further coordination with the Department requires the submittal of this Environmental Review Report with a cover letter and project plans or documentation that includes project narrative, acreage to be impacted, how construction or project activity(s) are to be accomplished, and project locality information (including site map). Once AGFD had received the information, please allow 30 days for completion of project reviews. Send requests to:
Project Evaluation Program, Habitat Branch
Arizona Game and Fish Department
5000 West Carefree Highway
Phoenix, Arizona 85086-5000
Phone Number: (623) 236-7600
Fax Number: (623) 236-7366
Or
PEP@azgfd.gov
6. Coordination may also be necessary under the National Environmental Policy Act (NEPA) and/or Endangered Species Act (ESA). Site specific recommendations may be proposed during further NEPA/ESA analysis or through coordination with affected agencies

1a County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 191) Aerial Image Basemap With Locator Map



- Project Boundary
- Buffered Project Boundary

Project Size (acres): 26.74

Lat/Long (DD): 32.1333 / -111.1443

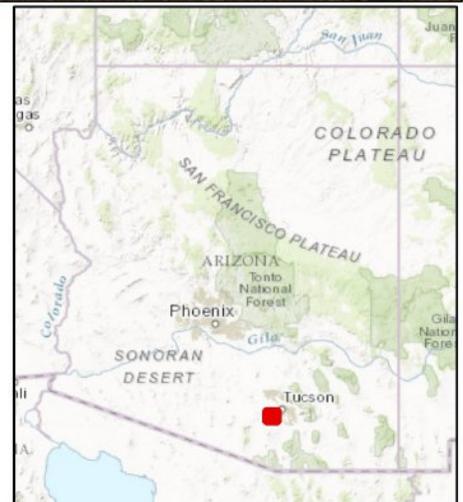
County(s): Pima

AGFD Region(s): Tucson

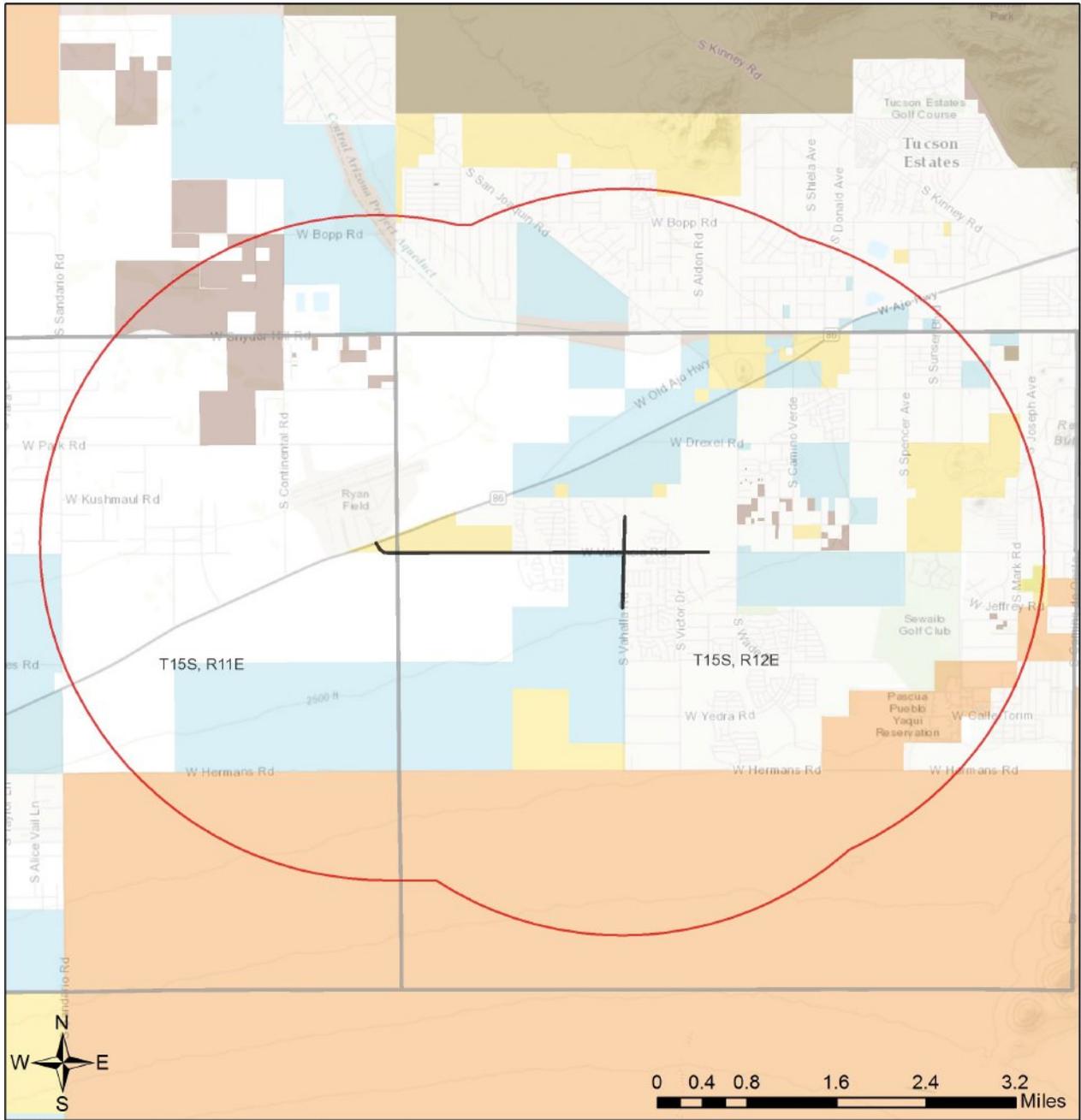
Township/Range(s): T15S, R12E; T15S, R11E

USGS Quad(s): BROWN MOUNTAIN; CAT MOUNTAIN

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swatch, Bing, Swire, GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swatch, Bing, Swire



1a County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86)
 Topo Basemap With Township/Ranges and Land Ownership



- | | |
|---------------------------|--------------------------|
| Project Boundary | Mixed/Other |
| Buffered Project Boundary | National Park/Mon. |
| Township/Ranges | Private |
| AZ Game and Fish Dept. | State and Regional Parks |
| BLM | State Trust |
| BOR | US Forest Service |
| Indian Res. | Wildlife Area/Refuge |
| Military | |

Project Size (acres): 26.74
 Lat/Long (DD): 32.1333 / -111.1443
 County(s): Pima
 AGFD Region(s): Tucson
 Township/Range(s): T15S, R12E; T15S, R11E
 USGS Quad(s): BROWN MOUNTAIN; CAT MOUNTAIN

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Special Status Species and Special Areas Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Aspidoscelis arizonae	Arizona Striped Whiptail			S		1B
Bat Colony						
Coryphantha scheeri var. robustispina	Pima Pineapple Cactus	LE			HS	
Gastrophryne olivacea	Western Narrow-mouthed Toad			S		1C
Heloderma suspectum suspectum	Reticulate Gila Monster					1A
Lithobates chiricahuensis	Chiricahua Leopard Frog	LT				1A
Mammillaria thornberi	Thornber Fishhook Cactus				SR	
Pascua Yaqui Indian Reservation	Pascua Yaqui Indian Reservation					
San Xavier Indian Reservation	San Xavier Indian Reservation					
Tumamoca macdougallii	Tumamoc Globeberry		S	S	SR	

Note: Status code definitions can be found at http://www.azgfd.gov/w_c/edits/hdms_status_definitions.shtml.

**Species of Greatest Conservation Need
 Predicted within Project Vicinity based on Predicted Range Models**

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Aix sponsa	Wood Duck					1B
Ammospermophilus harrisi	Harris' Antelope Squirrel					1B
Anaxyrus retiformis	Sonoran Green Toad			S		1B
Anthus spragueii	Sprague's Pipit	C*				1A
Aquila chrysaetos	Golden Eagle	BGA		S		1B
Aspidoscelis stictogramma	Giant Spotted Whiptail	SC	S			1B
Athene cucularia hypugaea	Western Burrowing Owl	SC	S	S		1B
Botaurus lentiginosus	American Bittern					1B
Buteo regalis	Ferruginous Hawk	SC		S		1B
Chilomeniscus stramineus	Variable Sandsnake					1B
Colaptes chrysoides	Gilded Flicker			S		1B
Coluber bilineatus	Sonoran Whipsnake					1B
Corynorhinus townsendii pallescens	Pale Townsend's Big-eared Bat	SC	S	S		1B
Crotalus tigris	Tiger Rattlesnake					1B
Crotaphytus nebrius	Sonoran Collared Lizard					1B
Cynanthus latirostris	Broad-billed Hummingbird		S			1B
Dipodomys spectabilis	Banner-tailed Kangaroo Rat			S		1B
Euderma maculatum	Spotted Bat	SC	S	S		1B
Eumops perotis californicus	Greater Western Bonneted Bat	SC		S		1B
Falco peregrinus anatum	American Peregrine Falcon	SC	S	S		1A
Glaucidium brasilianum cactorum	Cactus Ferruginous Pygmy-owl	SC	S	S		1B
Gopherus morafkai	Sonoran Desert Tortoise	C*	S			1A

**Species of Greatest Conservation Need
 Predicted within Project Vicinity based on Predicted Range Models**

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Haliaeetus leucocephalus</i>	Bald Eagle	SC, BGA	S	S		1A
<i>Heloderma suspectum</i>	Gila Monster					1A
<i>Hypsiglena sp. nov.</i>	Hooded Nightsnake					1B
<i>Incilius alvarius</i>	Sonoran Desert Toad					1B
<i>Lasiurus blossevillii</i>	Western Red Bat		S			1B
<i>Lasiurus xanthinus</i>	Western Yellow Bat		S			1B
<i>Leopardus pardalis</i>	Ocelot	LE				1A
<i>Leptonycteris curasoae yerbabuenae</i>	Lesser Long-nosed Bat	LE				1A
<i>Lepus alleni</i>	Antelope Jackrabbit					1B
<i>Macrotus californicus</i>	California Leaf-nosed Bat	SC		S		1B
<i>Melanerpes uropygialis</i>	Gila Woodpecker					1B
<i>Melospiza lincolni</i>	Lincoln's Sparrow					1B
<i>Melospiza aberti</i>	Abert's Towhee		S			1B
<i>Micruroides euryxanthus</i>	Sonoran Coralsnake					1B
<i>Myotis occultus</i>	Arizona Myotis	SC		S		1B
<i>Myotis velifer</i>	Cave Myotis	SC		S		1B
<i>Myotis yumanensis</i>	Yuma Myotis	SC				1B
<i>Nyctinomops femorosaccus</i>	Pocketed Free-tailed Bat					1B
<i>Panthera onca</i>	Jaguar	LE				1A
<i>Passerculus sandwichensis</i>	Savannah Sparrow					1B
<i>Perognathus amplus</i>	Arizona Pocket Mouse					1B
<i>Peucaea carpalis</i>	Rufous-winged Sparrow					1B
<i>Phrynosoma solare</i>	Regal Horned Lizard					1B
<i>Phyllorhynchus browni</i>	Saddled Leaf-nosed Snake					1B
<i>Progne subis hesperia</i>	Desert Purple Martin			S		1B
<i>Setophaga petechia</i>	Yellow Warbler					1B
<i>Sonorella papagorum</i>	Black Mountain Talussnail					1B
<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat					1B
<i>Troglodytes pacificus</i>	Pacific Wren					1B
<i>Vireo bellii arizonae</i>	Arizona Bell's Vireo					1B
<i>Vulpes macrotis</i>	Kit Fox					1B

Species of Economic and Recreation Importance Predicted within Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Callipepla gambelii</i>	Gambel's Quail					
<i>Callipepla squamata</i>	Scaled Quail					1C
<i>Odocoileus hemionus</i>	Mule Deer					

Species of Economic and Recreation Importance Predicted within Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Pecari tajacu	Javelina					
Puma concolor	Mountain Lion					
Zenaida asiatica	White-winged Dove					
Zenaida macroura	Mourning Dove					

Project Type: Transportation & Infrastructure, Road construction (including staging areas), Road widening (shoulders or additional or new lanes)

Project Type Recommendations:

Fence recommendations will be dependant upon the goals of the fence project and the wildlife species expected to be impacted by the project. General guidelines for ensuring wildlife-friendly fences include: barbless wire on the top and bottom with the maximum fence height 42", minimum height for bottom 16". Modifications to this design may be considered for fencing anticipated to be routinely encountered by elk, bighorn sheep or pronghorn (e.g., Pronghorn fencing would require 18" minimum height on the bottom). Please refer to the Department's Fencing Guidelines located on the home page of this application at <http://www.azgfd.gov/hgis/guidelines.aspx>.

During the planning stages of your project, please consider the local or regional needs of wildlife in regards to movement, connectivity, and access to habitat needs. Loss of this permeability prevents wildlife from accessing resources, finding mates, reduces gene flow, prevents wildlife from re-colonizing areas where local extirpations may have occurred, and ultimately prevents wildlife from contributing to ecosystem functions, such as pollination, seed dispersal, control of prey numbers, and resistance to invasive species. In many cases, streams and washes provide natural movement corridors for wildlife and should be maintained in their natural state. Uplands also support a large diversity of species, and should be contained within important wildlife movement corridors. In addition, maintaining biodiversity and ecosystem functions can be facilitated through improving designs of structures, fences, roadways, and culverts to promote passage for a variety of wildlife.

Minimize potential introduction or spread of exotic invasive species. Invasive species can be plants, animals (exotic snails), and other organisms (e.g., microbes), which may cause alteration to ecological functions or compete with or prey upon native species and can cause social impacts (e.g., livestock forage reduction, increase wildfire risk). The terms noxious weed or invasive plants are often used interchangeably. Precautions should be taken to wash all equipment utilized in the project activities before leaving the site. Arizona has noxious weed regulations (Arizona Revised Statutes, Rules R3-4-244 and R3-4-245). See Arizona Department of Agriculture website for restricted plants, <https://agriculture.az.gov/>. Additionally, the U.S. Department of Agriculture has information regarding pest and invasive plant control methods including: pesticide, herbicide, biological control agents, and mechanical control, <http://www.usda.gov/wps/portal/usdahome>. The Department regulates the importation, purchasing, and transportation of wildlife and fish (Restricted Live Wildlife), please refer to the hunting regulations for further information http://www.azgfd.gov/h_f/hunting_rules.shtml

The Department recommends that wildlife surveys are conducted to determine if noise-sensitive species occur within the project area. Avoidance or minimization measures could include conducting project activities outside of breeding seasons.

Based on the project type entered, coordination with State Historic Preservation Office may be required (<http://azstateparks.com/SHPO/index.html>).

Design culverts to minimize impacts to channel geometry, or design channel geometry (low flow, overbank, floodplains) and substrates to carry expected discharge using local drainages of appropriate size as templates. Reduce/minimize barriers to allow movement of amphibians or fish (e.g., eliminate falls). Also for terrestrial wildlife, washes and stream corridors often provide important corridors for movement. Overall culvert width, height, and length should be optimized for movement of the greatest number and diversity of species expected to utilize the passage. Culvert designs should consider moisture, light, and noise, while providing clear views at both ends to maximize utilization. For many species, fencing is an important design feature that can be utilized with culverts to funnel wildlife into these areas and minimize the potential for roadway collisions. Guidelines for culvert designs to facilitate wildlife passage can be found on the home page of this application at <http://www.azgfd.gov/hgis/guidelines.aspx>.

Based on the project type entered, coordination with U.S. Army Corps of Engineers may be required (<http://www.usace.army.mil/>)

Vegetation restoration projects (including treatments of invasive or exotic species) should have a completed site-evaluation plan (identifying environmental conditions necessary to re-establish native vegetation), a revegetation plan (species, density, method of establishment), a short and long-term monitoring plan, including adaptive management guidelines to address needs for replacement vegetation.

The Department requests further coordination to provide project/species specific recommendations, please contact Project Evaluation Program directly. PEP@azgfd.gov

Project Location and/or Species Recommendations:

HDMS records indicate that one or more native plants listed on the Arizona Native Plant Law and Antiquities Act have been documented within the vicinity of your project area. Please contact:

Arizona Department of Agriculture
1688 W Adams St.
Phoenix, AZ 85007
Phone: 602.542.4373

<https://agriculture.az.gov/environmental-services/np1>

HDMS records indicate that one or more listed, proposed, or candidate species or Critical Habitat (Designated or Proposed) have been documented in the vicinity of your project. The Endangered Species Act (ESA) gives the US Fish and Wildlife Service (USFWS) regulatory authority over all federally listed species. Please contact USFWS Ecological Services Offices at <http://www.fws.gov/southwest/es/arizona/> or:

Phoenix Main Office

2321 W. Royal Palm Rd, Suite 103
Phoenix, AZ 85021
Phone: 602-242-0210
Fax: 602-242-2513

Tucson Sub-Office

201 N. Bonita Suite 141
Tucson, AZ 85745
Phone: 520-670-6144
Fax: 520-670-6155

Flagstaff Sub-Office

SW Forest Science Complex
2500 S. Pine Knoll Dr.
Flagstaff, AZ 86001
Phone: 928-556-2157
Fax: 928-556-2121

HDMS records indicate that Chiricahua Leopard Frogs have been documented within the vicinity of your project area. Please review the Chiricahua Leopard Frog Management Guidelines found at: <http://www.azgfd.gov/hgis/documents/FINALLithchirHabitatGdlns.pdf>.

Tribal Lands are within the vicinity of your project area and may require further coordination. Please contact:
Pascua Yaqui Tribe
7474 S Camino de Oeste
Tucson, AZ 85746
(520) 883-5000 ext. 5016
(520) 883-5014 (fax)

Tribal Lands are within the vicinity of your project area and may require further coordination. Please contact:
Tohono O'odham Nation
PO Box 837
Sells, AZ 85634
(520) 383-2028
(520) 383-3379 (fax)



Attachment #9. USFWS Official Species List



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Arizona Ecological Services Field Office
2321 WEST ROYAL PALM ROAD, SUITE 103
PHOENIX, AZ 85021
PHONE: (602)242-0210 FAX: (602)242-2513
URL: www.fws.gov/southwest/es/arizona/;
www.fws.gov/southwest/es/EndangeredSpecies_Main.html



Consultation Code: 02EAAZ00-2016-SLI-0515

June 22, 2016

Event Code: 02EAAZ00-2016-E-00718

Project Name: Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86)

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The Fish and Wildlife Service (Service) is providing this list under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). The list you have generated identifies threatened, endangered, proposed, and candidate species, and designated and proposed critical habitat, that *may* occur within one or more delineated United States Geological Survey 7.5 minute quadrangles with which your project polygon intersects. Each quadrangle covers, at minimum, 49 square miles. Please refer to the species information links found at http://www.fws.gov/southwest/es/arizona/Docs_Species.htm or <http://www.fws.gov/southwest/es/arizona/Documents/MiscDocs/AZSpeciesReference.pdf> for a quick reference, to determine if suitable habitat for the species on your list occurs in your project area.

The purpose of the Act is to provide a means whereby threatened and endangered species and the habitats upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of Federal trust resources and to determine whether projects may affect federally listed species and/or designated critical habitat. A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If the Federal action agency determines that listed species or critical habitat *may be affected* by a federally funded, permitted or authorized activity, the agency must consult with us pursuant to 50 CFR 402. Note that a "may affect" determination includes effects that may not be adverse and that may be beneficial, insignificant, or discountable. An effect exists even if only one individual or habitat segment may be affected. The effects analysis should include the entire action area, which often extends well outside the project boundary or "footprint" (e.g., downstream). If the Federal action agency determines that the action may jeopardize a *proposed* species or adversely modify *proposed* critical habitat, the agency must enter into a section 7 conference. The agency may choose to confer with us on an action that may affect proposed species or critical habitat.

Candidate species are those for which there is sufficient information to support a proposal for listing. Although candidate species have no legal protection under the Act, we recommend that they be considered in the planning process in the event they become proposed or listed prior to project completion. More information on the regulations (50 CFR 402) and procedures for section 7 consultation, including the role of permit or license applicants, can be found in our Endangered Species Consultation Handbook at: <http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>.

In addition to species listed under the Act, we advise you to consider species protected under the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703-712) and the Bald and Golden Eagle Protection Act (BGEPA) (16 U.S.C. 668 *et seq.*). Both laws prohibit the take of covered species. The list of MBTA-protected birds is in 50 CFR 10.13 (for an alphabetical list see <http://www.fws.gov/migratorybirds/RegulationsPolicies/mbta/MBTANDX.HTML>). The Service's Division of Migratory Birds is the lead for consultations under these laws (Southwest Regional Office phone number: 505/248-7882). For more information regarding the MBTA, BGEPA, and permitting processes, please visit the following web site: <http://www.fws.gov/migratorybirds/mbpermits.html>. Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g. cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/southwest/es/arizona/CellTower.htm>

Although bald eagles (*Haliaeetus leucocephalus*) are no longer listed under the Act, they are protected under both the BGEPA and the MBTA. If a bald eagle nest occurs in or near the proposed project area, our office should be contacted. An evaluation must be performed to determine whether the project is likely to disturb nesting bald eagles (see <http://www.fws.gov/southeast/es/baldeagle/>) and the Division of Migratory Birds consulted if necessary. The National Bald Eagle Management Guidelines provide recommendations to minimize potential project impacts to bald eagles (see <http://www.fws.gov/midwest/eagle/pdf/NationalBaldEagleManagementGuidelines.pdf>).

Activities that involve streams and/or wetlands are regulated by the U.S. Army Corps of Engineers (Corps). We recommend that you contact the Corps to determine their interest in proposed projects in these areas. For activities within a National Wildlife Refuge, we recommend that you contact refuge staff for specific information about refuge resources.

If your action is on Indian land or has implications for off-reservation tribal interests, we encourage you to contact the tribe(s) and the Bureau of Indian Affairs (BIA) to discuss potential

tribal concerns, and to invite any affected tribe and the BIA to participate in the section 7 consultation. In keeping with our tribal trust responsibility, we will notify tribes that may be affected by proposed actions when section 7 consultation is initiated. For more information, please contact our tribal coordinator, John Nystedt, at (928) 556-2160 or John_Nystedt@fws.gov.

The State of Arizona protects some species not protected by Federal law. We recommend you contact the Arizona Game and Fish Department (AGFD) for animals and Arizona Department of Agriculture for plants to determine if species protected by or of concern to the State may occur in your action area. The AGFD has an Environmental Review On-Line Tool that can be accessed at <http://www.azgfd.gov/hgis/>. We also recommend that you coordinate with the AGFD regarding your project.

For additional communications regarding this project, please refer to the consultation Tracking Number in the header of this letter. We appreciate your concern for threatened and endangered species. If we may be of further assistance, please contact Brenda Smith at 928/556-2157 for projects in Northern Arizona, our general Phoenix number (602/242-0210) for central Arizona, or Jean Calhoun at 520/670-6150 (x223) for projects in southern Arizona.

Sincerely,

/s/

Steven L. Spangle

Field Supervisor

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86)

Official Species List

Provided by:

Arizona Ecological Services Field Office
2321 WEST ROYAL PALM ROAD, SUITE 103
PHOENIX, AZ 85021
(602) 242-0210
<http://www.fws.gov/southwest/es/arizona/>
http://www.fws.gov/southwest/es/EndangeredSpecies_Main.html

Consultation Code: 02EAAZ00-2016-SLI-0515

Event Code: 02EAAZ00-2016-E-00718

Project Type: TRANSPORTATION

Project Name: Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86)

Project Description: Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86). This is a roadway widening project along approximately 2.8 miles of Valencia Road, from Ajo Highway to just west of Wade Road, and portions of Valhala Road to approximately 1/4 mile north and 1/2 mile south of Valencia Road in Pima County, Arizona.

Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior
Fish and Wildlife Service

Project name: Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86)



United States Department of Interior
Fish and Wildlife Service

Project name: Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86)

Project Location Map:



Project Coordinates: The coordinates are too numerous to display here.

Project Counties: Pima, AZ

Endangered Species Act Species List

There are a total of 8 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Birds	Status	Has Critical Habitat	Condition(s)
California Least tern (<i>Sterna antillarum browni</i>)	Endangered		
Yellow-Billed Cuckoo (<i>Coccyzus americanus</i>) Population: Western U.S. DPS	Threatened	Proposed	
Flowering Plants			
Pima Pineapple cactus (<i>Coryphantha scheeri</i> var. <i>robustispina</i>)	Endangered		
Mammals			
jaguar (<i>Panthera onca</i>) Population: Wherever found	Endangered	Final designated	
Lesser Long-Nosed bat (<i>Leptonycteris curasoae yerbabuena</i>) Population: Entire	Endangered		
Sonoran pronghorn (<i>Antilocapra americana sonoriensis</i>) Population: Entire	Endangered		
Reptiles			



United States Department of Interior
Fish and Wildlife Service

Project name: Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86)

Northern Mexican gartersnake <i>(Thamnophis eques megalops)</i>	Threatened	Proposed	
Sonoyta Mud turtle (<i>Kinosternon sonoriense longifemorale</i>)	Candidate		



United States Department of Interior
Fish and Wildlife Service

Project name: Pima County DOT project No. 4RTVWE: Valencia Road: Wade Road to Ajo Highway (SR 86)

Critical habitats that lie within your project area

There are no critical habitats within your project area.

Attachment #10. BLM Sensitive Species List

Arizona Bureau of Land Management Sensitive Species List – December 2010

Common Name	Scientific Name	Colorado River District	Phoenix District	Arizona Strip District	Gila District	Unique Habitat
All federally designated candidate species, proposed species, and delisted species in the 5 years following their delisting shall be conserved as Bureau sensitive species.						
AMPHIBIANS						
Great Plains Narrow-mouthed Toad	<i>Gastrophryne olivacea</i>		v		v	healthy grasslands
Lowland Burrowing Treefrog	<i>Smilisca fodiens</i>		v			healthy grasslands
Lowland Leopard Frog	<i>Lithobates yavapaiensis</i>	v	v		v	wetlands
Northern Leopard Frog	<i>Lithobates pipiens</i>	v	h	v	h	wetlands
Plains Leopard Frog	<i>Lithobates blairi</i>				h	wetlands
Sonoran Green Toad	<i>Bufo retiformis</i>		v		v	healthy grasslands

BIRDS

American Peregrine Falcon	<i>Falco peregrinus anatum</i>	v	v	v	v	cliffs
Arizona Bother's Sparrow	<i>Peucaea botteri arizonae</i>				v	healthy grasslands
Arizona Grasshopper Sparrow	<i>Ammodramus savannarum ammodramus</i>				v	healthy grasslands
Bald Eagle (non-listed DPS)	<i>Haliaeetus leucocephalus</i>	v	v	h	v	undisturbed foraging/nesting areas
Cactus Ferruginous Pygmy-Owl	<i>Glaucidium brasilianum cactorum</i>		v		v	dense Sonoran scrub washes
California Black Rail	<i>Laterallus jamaicensis coturniculus</i>	v	h		h	marshes along Colorado River
Desert Purple Martin	<i>Progne subis hesperia</i>	h	v		v	saguaro cacti
Ferruginous Hawk (breeding population only)	<i>Buteo regalis</i>	v	v	v	v	healthy grasslands
Gilded Flicker	<i>Colaptes chrysoides</i>	v	v		h	saguaro cacti
Golden Eagle	<i>Aquila chrysaetos</i>	v	v	v	v	significant cliffs, large undeveloped areas
Le Conte's Thrasher	<i>Toxostoma lecontei</i>	v	v		h	remote creosote scrub
Northern Goshawk	<i>Accipiter gentilis atricapillus</i>	v	v	v	h	healthy forests
Pinyon Jay	<i>Gymnorhinus cyanocephalus</i>	v	v	v	v	healthy pinyon pine grasslands, undeveloped valley bottoms
Western Burrowing Owl	<i>Athene cucularia hypugaea</i>	v	v	v	v	

FISH									
Bluehead Sucker	<i>Catostomus discobolus</i>					v	h		aquatic
Desert Sucker	<i>Catostomus clarki</i>	v	v			v	v		aquatic
Flannelmouth Sucker	<i>Catostomus latipinnis</i>					v			aquatic
Little Colorado Sucker	<i>Catostomus</i> sp.						v		aquatic
Longfin Dace	<i>Agosia chrysogaster</i>	v	v				v		aquatic
Sonora Sucker	<i>Catostomus insignis</i>	v	v				v		aquatic
Speckled Dace	<i>Rhinichthys osculus</i>	v	v			v	v		aquatic
Virgin Spinedace	<i>Lepidomeda mollispinis mollispinis</i>						v		aquatic

INVERTEBRATES

Arizona Cave Amphipod	<i>Stygobromus arizonensis</i>						h		caves
Bylas Springsnail	<i>Pyrgulopsis arizonae</i>						h		springs
Desert Springsnail	<i>Pyrgulopsis deserta</i>					v			springs
Gila Tryonia	<i>Tryonia gilae</i>						h		springs
Grand Wash Springsnail	<i>Pyrgulopsis bacchus</i>					h			springs
Hydrobiid Spring Snails	all species in genus <i>Pyrgulopsis</i>	v	h			v	v		springs
Kingman Springsnail	<i>Pyrgulopsis conica</i>	v							springs
Succineid Snails	all species in family <i>Succineidae</i>	h	h			h	h		springs

MAMMALS

Allen's Big-eared Bat	<i>Idionycteris phyllotis</i>	v	h			h	v		caves, mines
Arizona Myotis	<i>Myotis occultus</i>	h	h			h	v		caves, mines
Banner-tailed Kangaroo Rat	<i>Dipodomys spectabilis</i>		h				v		healthy grasslands
Black-tailed Prairie Dog	<i>Cynomys ludovicianus</i>						v		healthy grasslands
California Leaf-nosed Bat	<i>Macrotus californicus</i>	v	v			v	v		caves, mines
Cave Myotis	<i>Myotis velifer</i>	v	v			h	v		caves, mines
Greater Western Mastiff Bat	<i>Eumops perotis californicus</i>	v	v			h	v		caves, mines
Gunnison's Prairie Dog	<i>Cynomys gunnisoni</i>	h	h			h	v		healthy grasslands

Houserock Valley Chisel-toothed Kangaroo Rat	<i>Dipodomys microps leucotis</i>					v		Atriplex scrub caves, mines
Mexican Long-tongued Bat	<i>Choeronycteris mexicana</i>						v	caves, mines
Spotted Bat	<i>Euderma maculatum</i>			h			v	caves, mines
Townsend's Big-eared Bat	<i>Corynorhinus (=Plecotus) townsendii</i>			v			v	caves, mines

REPTILES

Arizona Striped Whiptail	<i>Aspidoscelis arizonae</i>						h	healthy grasslands, north end of Wilcox Playa
Mohave Fringe-toed Lizard	<i>Uma scoparia</i>			v				sand
Desert Ornate Box Turtle	<i>Terrapene ornata</i>						v	healthy grasslands
Slevin's Bunchgrass Lizard	<i>Sceloporus slevini</i>						h	healthy grasslands
Sonora Mud Turtle	<i>Kinosternon sonoriense sonoriense</i>			v			v	riparian
Yuman Desert Fringe-toed Lizard	<i>Uma rufopunctata</i>			v				sand

PLANTS

Aquarius Milkvetch	<i>Astragalus newberryi</i> var. <i>aquaria</i>			v				narrow range, limestone deposits, Burro Creek area
Aravaipa Sage	<i>Salvia amissa</i>						v	narrow range, floodplain terraces in shady canyons
Aravaipa Woodfern	<i>Thelypteris puberula</i> var. <i>sonorensis</i>			v			v	few scattered springs
Arizona Sonoran Rosewood	<i>Vauquelinia californica</i> ssp. <i>sonorensis</i>					v		relict species in shady canyons
Bartram Stonecrop	<i>Graptopetalum bartramii</i>						v	narrow range, rocky outcrops in canyons w/Madreaan Woodland
Blue Sand Lily	<i>Triteleopsis palmeri</i>			v				sand dunes and sandy soils
California Flannelbush	<i>Fremontodendron californica</i>			v			v	relict populations in shady canyons
Chihuahua Breadroot	<i>Pediomelum pentaphyllum</i>							Healthy grasslands
Clifton Rock Daisy	<i>Perityle ambrosiifolia</i>						v	narrow range, cliff faces of Gila Conglomerate
Dalhouse Spleenwort	<i>Asplenium (=Ceterach) dalhousiae</i>						v	cliff face seeps, Mule Mts.

Diamond Butte Milkvetch	<i>Astragalus toanus</i> var. <i>scidulus</i>			v		narrow range, Moenkopi Formation badlands w/red soils
Fish Creek Fleabane	<i>Erigeron piscaticus</i>				h	narrow range, floodplain terraces in shady canyons
Gentry Indigo Bush	<i>Dalea tentaculoides</i>				h	narrow range, floodplain terraces in shady canyons
Giant Sedge	<i>Carex spissa</i> var. <i>ultra</i>		v		v	springs
Grand Canyon Rose	<i>Rosa stellata</i> var. <i>abyssa</i>			v		narrow range, limestone cliff rims
Huachuca Golden Aster	<i>Heterotheca rutteri</i>				v	narrow range, Plains Grassland, LCNCA
Huachuca Milkvetch	<i>Astragalus hypoxylus</i>				h	narrow range
Kaibab Pincushion [Plains] Cactus	<i>Pediocactus paradinei</i>			v		narrow range
Kearney Sumac	<i>Rhus kearneyi</i> ssp. <i>kearneyi</i>	v				relict species in shady canyons
Kofa Mt. Barberry	<i>Berberis harrisoniana</i>	h				relict species in shady canyons
Marble Canyon Indigo Bush	<i>Psoralea arborescens</i> var. <i>pubescens</i>			v		narrow range, red soils of Moenkopi Formation Marble Canyon
Marble Canyon Milkvetch	<i>Astragalus cremnophylax</i> var. <i>hevronii</i>			v		narrow range, limestone cliff rims, Marble Canyon
Mt Trumbull Beardtongue	<i>Penstemon distans</i>			v		narrow range, limestone soils
Murphey Agave	<i>Agave murpheyi</i>		v			low numbers, desert foothills, central AZ
Paria Plateau Fishhook Cactus	<i>Sclerocactus siferi</i>			v		narrow range, sandy soils, Paria Plateau
Parish Phacelia	<i>Phacelia parishii</i>	v				narrow range, limestone deposits, Burro Creek area, dry lake beds, Red Lake
Parish Wild Onion	<i>Allium parishii</i>	v				narrow range, higher elevation desert mts, Mohave Mts.
Pima Indian Mallow	<i>Abutilon parishii</i>				v	rocky slopes, good condition desert mts.
Pinto Beardtongue	<i>Penstemon bicolor</i>					narrow range, desert washes, Black Mts.
Purple-spike Coralroot	<i>Hexalectris warnockii</i>				v	few populations, leaf litter under Madrean Woodland
Round-leaf Broom	<i>Errazurizia rotundata</i>				v	narrow range, Shinarump Hills, Holbrook area
San Pedro River Wild Buckwheat	<i>Eriogonum terrenatum</i>				v	narrow range, limestone and clay soils of St. David Formation, SPRNCA

Sand Food	<i>Pholisma sonorae</i>	v				sand dunes, Yuma
Scaly Sand Food	<i>Pholisma arenaria</i>	v				sand dunes, Cactus Plain
Schott Wire-lettuce	<i>Stephanomeria schottii</i>	v				sand dunes, sandy soils, Yuma area
September 11 Stickleaf	<i>Mentzelia memorabilis</i>			v		narrow range, gypsum soils of Harrisburg Formation
Silverleaf Sunray	<i>Enceliopsis argophylla</i>			v		narrow range, gypsum soils of Moenkopi Formation
Smooth Catseye	<i>Crypthantha semiglabra</i>			v		extremely narrow range
Sticky Wild Buckwheat	<i>Eriogonum viscidulum</i>			v		narrow range, sandy loam soils, Virgin River Valley
Three-cornered Milkvetch	<i>Astragalus geyeri</i> var. <i>triquetrus</i>			v		narrow range, sandy loam soils, Virgin River Valley
Tumamoc Globeberry	<i>Tumamoca macdougalii</i>		v		v	few populations, Sonoran Desert plains
White-margined Penstemon	<i>Penstemon albomarginatus</i>	v				narrow range, sandy loam soils, Dutch Flat

All federally designated candidate species, proposed species, and delisted species in the 5 years following their delisting shall be conserved as Bureau sensitive species. See U.S. Fish and Wildlife Service list for current candidates.

v=Known Occurrence, h=Probable, Potential or Hypothetical Occurrence