

**ARIZONA FOREST HIGHWAYS
FH 12- REYNOLDS CREEK BRIDGE,
FH 51 – CONTROL ROAD and
FH 52 – HOUSTON MESA ROAD**

PROJECT AGREEMENT

AZ FLAP64-1(3), 199-1(1) and 288-1(3)

Date: April 29, 2013

This project agreement describes specific requirements to be fulfilled and duties to be performed by principal partners in order to produce the services and products described herein and agreed to below by their signatory representatives. The purpose of this project agreement is to identify and assign responsibilities for the environmental analysis, design, and construction required to deliver the final project using funds made available under the Forest Highway Program, and to ensure maintenance of the roadway for public use once improvements are made, in conformance with Title 23 CFR 660.105(d)(1) and 660.111(c)(1)&(4).

Neil Bosworth, Forest Supervisor
Tonto National Forest

Date

Michael A. Pastor, Chairman
Gila County Board of Supervisors

Date

Marian Sheppard, Clerk
Gila County Board of Supervisors

Date

Bryan Chambers, Deputy Attorney Principal
Gila County Board of Supervisors

Date

Edward Martinez, Project Manager
Federal Highway Administration (FHWA)
Central Federal Lands Highway Division (CFLHD)

Date

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Mike Davies – Director of Project Delivery
Federal Highway Administration (FHWA)
Central Federal Lands Highway Division (CFLHD)

Date

ADOT Signature Authority

PROJECT LOCATION:

The Central Federal Lands Highway Division (CFLHD) of the Federal Highway Administration (FHWA), in cooperation with the Tonto National Forest (Tonto), Gila County Arizona, and the Arizona Department of Transportation (ADOT) are proposing improvements to three Arizona roadways in Gila County, Arizona. These locations are on SR 288 near Globe, Arizona; on CR 64 east of Payson, Arizona and on CR199 north of Payson, Arizona. These locations are identified in the location map below.

The SR 288 is under the jurisdiction of the Arizona Department of Transportation (ADOT) and runs north of Globe, Arizona and ending at SR 260 east of Payson. This project location will replace an outdated structure that crosses the Reynolds Creek at this location.

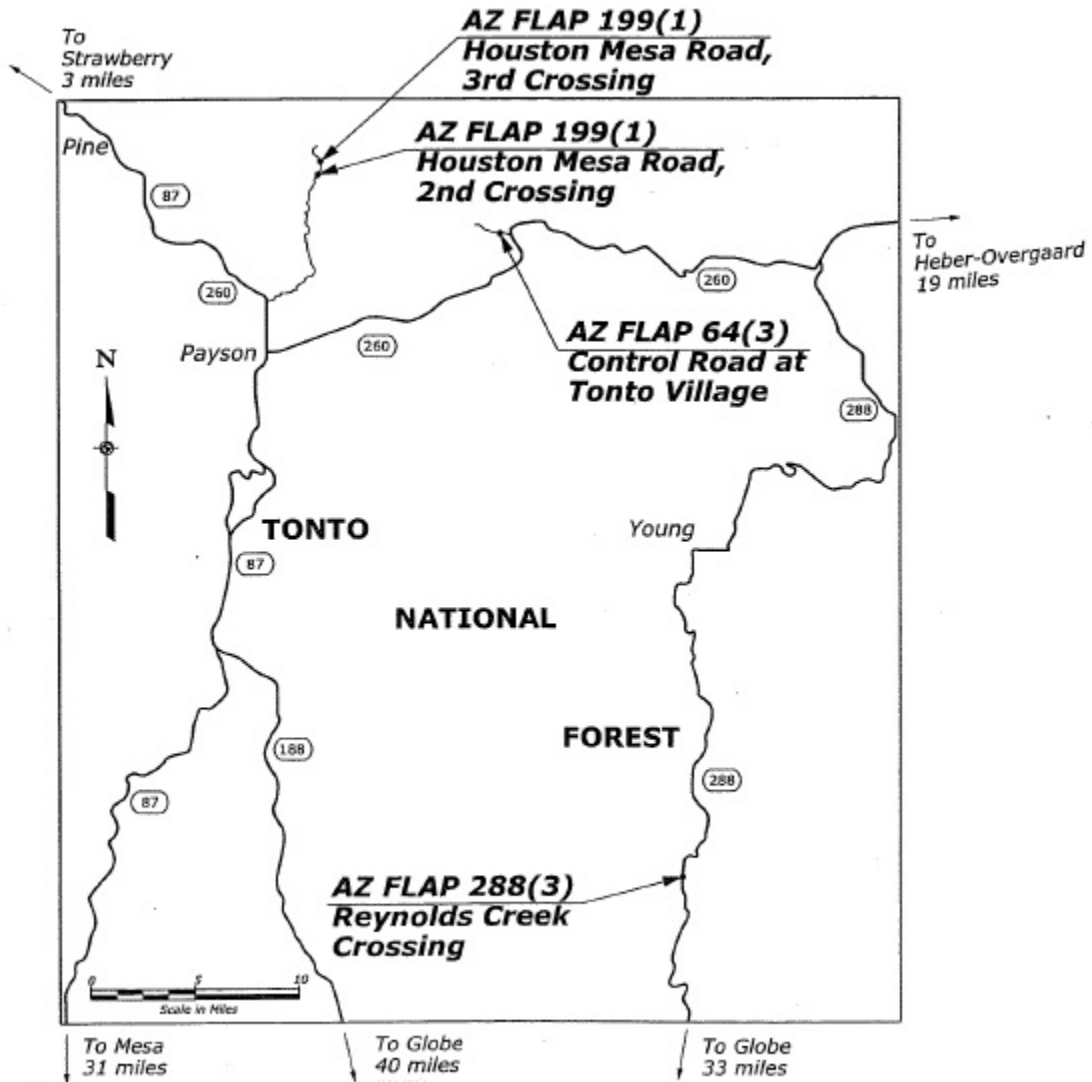
The CR 64 route is also commonly referred to as Control Road and runs from SR 87 on the north and ends on the south at SR 260. This is under the jurisdiction of Gila County and will replace a low water crossing structure adjacent to the Tonto Village.

The CR 199 route is commonly referred to as Houston Mesa Road and begins on SR 87 north of Payson and runs to a junction with CR 64 (Control Road). This route is under the jurisdiction of Gila County and will replace two low water crossings with new structures.

At the 2011 Arizona Forest Highway Tri-Agency meeting it was decided to program several new projects based on a recent call for projects that took place in Arizona. The applications for these locations included other work on the three routes for mainline roadway work, however, it was determined when putting the Arizona Forest Highway program together that the immediate need on all three of these routes was the replacement of the deteriorated and deteriorating structures that interrupted traffic periodically along these routes. Since the work was all structure work and in relatively close proximity to each other, the program funded four structure replacements only to initiate work on these routes and in alignment with the application requests that were received by the Tri-Agency. Since that time, the old Forest Highway Program was dismantled and replaced with the new MAP21-FLAP (Federal Lands Access Program). This project became a Legacy project into the new program and is fully supported by the new FLAP Program members.

The project scoping meeting and field review with the Tonto Forest, ADOT, FHWA and County representatives was held in mid February 2012. The group identified appropriate improvements that are detailed below.

Project Location Map



PROJECT PURPOSE:

This project was developed out of the Arizona “Call for Projects” that took place in the summer of 2011. The Arizona Forest Highway Program was lacking a fully developed program for the foreseeable future. The FHWA as the lead agency worked with the Arizona Department of Transportation (ADOT) and the U.S. Forest Service (FS) to develop a project call to fill the program. The three agencies (Tri Agency) worked together in reaching out to cities, counties and the Forest Service offices throughout Arizona to request applications for projects. This project was a result of three separate applications submitted through the Tri Agency from Gila County, ADOT and the FS. Those applications requested a far more extensive scope on these three routes but the common element in each application was a need for bridge replacement / low water crossing replacement and thus this project became whole with those elements only.

Since the most critical need on all these three applications was replacement of deficient low water crossings and structure, the FHWA worked with ADOT and the FS to pull the structure portions of these applications together to develop this combined project to replace those four structures on these routes. The purpose of this project is to bring these routes the necessary improvements to allow these routes to be full service year round facilities through the forest providing access for both forest usage and private property access.

OVERALL PROJECT SCOPE

The scope of this project is as follows by route:

Reynolds Creek (SR 288) - This location is closer to Globe, Arizona and is on a year round traveled forest roadway that links SR 188 on the south to SR 260 on the north. There are many private properties along this route and there is Forest Service usage along the route including logging and recreational usages. The Reynolds Creek location consists of a series of small pipes under the roadway at a very large channel crossing. The existing area experiences flooding at various times. The project will evaluate the appropriate type and location of a replacement structure and will initially construct a detour through the area to carry existing traffic needs. The new structure will be along the same alignment as the existing structure and will include some channel improvements to realign and narrow the channel through the new structure. Roadway improvements will consist only of improvements to tie the new structure and roadway back into the existing alignment matching the existing roadway surface.

FH 51 – Control Road – This route recently had 7 bridges added to replace deficient structures on the route. That project was completed in the Spring of 2012 and was developed and constructed by FHWA through the Central Federal Lands Highway Division. There is one remaining structure (a low water crossing) that is adjacent to the Tonto Village along the southern end of this route. The overall route serves private and forest use and begins on the south at SR 260 east of Payson, Arizona. The northern end is at SR 87 north of Payson, Arizona. The Tonto Village consists of a small community of homes and businesses along this route and is in very close proximity to the existing low water crossing. The scope of this project will identify a new alignment for the roadway and a new structure type to accommodate the flows along the channel to alleviate flooding of the area adjacent to the existing structure during significant storm events. The initial scoping plan calls for a realignment of the roadway on the west side of the roadway to a new structure downstream of the Tonto Village. This also allows for an improved roadway tie in to Johnson Blvd. which is the main access road to the Tonto Village. A severe skew angle at this location is not safe due to the limited sight distance to oncoming traffic. A new alignment of Johnson Blvd. will alleviate this problem and increase safety.

CR 199 -Houston Mesa – This route intersects SR 87 north of Payson and runs northeast to eventually tie into Control Road on the north. The route serves several communities, private residences, forest use and recreation use in the area. This route is also a commuter route that carries a significant amount of traffic and a year round usage is needed. There are two low water crossing on the route that interfere with the year round usage during peak storm events. The water carried in the low water crossings can force temporary closures of the route until the water level is low enough for safe travel across the low water crossings. The county worked to replace on low water crossing in previous years but did not have the means to construct the remaining two needed. This project will address those two remaining locations with a replacement structure appropriate for each location.

PROJECT RESPONSIBILITIES:

Tonto National Forest

During Project Development, the FS will:

1. Review and sign this Project Agreement.
2. Attend field reviews and meetings.
3. Review the plans and specifications at each phase of the design and provide project development support.
4. In coordination with the FHWA project manager, ensure that completed plans, specifications, and estimates (PS&E) are consistent with the intended outcome.
5. Provide overall direction regarding FS policy and administration for the project and concur with the final plans and specifications.
6. Provide a fire plan for incorporation into the Special Contract Requirements.
7. Provide support to FHWA (respond to question regarding environmental issues), as requested, for the development of environmental documents.
8. If required, collaborate with FHWA, ADOT and Gila Counties to develop a Draft Highway Easement Deed. Issue a letter of consent prior to construction.
9. Provide a Special Use permit for any lands within the National Forest used for material sources, waste areas, or as staging areas for the contractor.
10. Develop a public information program in coordination with FHWA and Gila County.
11. Enter into a reimbursable agreement with FHWA for support costs above and beyond normal reviews and for technical support with NEPA studies.

During Construction, the FS will:

1. If required, enter into a formal partnering work session and agreement with all parties involved in the construction contract (FHWA, ADOT, Gila County, contractor, etc.).
2. Designate a representative who will be the primary contact for the FHWA's Construction staff.
3. Continue to update and implement the public information program.
4. Consider proposed design changes, evaluate change impacts, and provide construction oversight as needed, ensuring that requests meet the requirements intended in the PS&E.

5. Attend final inspection with the FHWA, ADOT and Gila County upon completion of construction.

Gila County

During Project Development, Gila County:

1. Review and sign this Project Agreement.
2. Attend reviews and meetings.
3. Provide available data on traffic, accidents, material sources, construction costs, and other technical information, which may be helpful to the project development.
4. Review the plans and specifications at each phase of the design and provide project development support.
5. Provide ROW and utility information and coordination.
6. Responsible for private property acquisition if necessary. *No property acquisition is anticipated.*
7. Responsible for utility relocations if necessary. *No utility conflicts are anticipated.*
8. Collaborate with FHWA and FS to collectively develop Highway Easement Deed Stipulations.
9. Provide information on any current anticipated projects along these routes and schedule updates on any projects planned. Discussion during scoping included a water line project anticipated along the Houston Mesa route, however, this applies to any projects anticipated along the three routes in the anticipated work areas.
10. Agree to provide the local match for the project per MAP 21 guidelines in Arizona at 5.75% of the total construction budget at the time of Advertisement for the projects on CR 64 and CR 199 on the Houston Mesa Road and Control Road. These funds will need to be in place for the project to be advertised.

During Construction, Gila County will:

1. If required, enter into a formal partnering work session and agreement with all parties involved in the construction contract (FS, FHWA, contractor, etc.).
2. Designate a representative who will be the primary contact for FHWA's construction staff.
3. Consider proposed design changes, evaluate change impacts, and provide construction oversight as needed, ensuring that requests meet the requirements intended in the PS&E.
4. Attend a final inspection with the FHWA and FS upon completion of construction.

After Construction, Gila County will:

1. Assume responsibility of the NPDES permit until the Notice of Termination is filed and accepted.
2. Provide long-term maintenance and operation of FH 51 and FH 52 improvements.
3. Execute Highway Easement Deed with the assistance of FHWA.

ADOT

During Project Development, ADOT will:

1. Review and sign this Project Agreement.
2. Attend reviews and meetings.

3. Provide available data on traffic, accidents, material sources, construction costs, and other technical information, which may be helpful to the project development.
4. Review the plans and specifications at each phase of the design and provide project development support.
5. Provide ROW and utility information and coordination.
6. Responsible for private property acquisition if necessary. *No property acquisition is anticipated.*
7. Responsible for utility relocations if necessary. *No utility conflicts are anticipated.*
8. Collaborate with FHWA, Gila County and FS to collectively develop Highway Easement Deed Stipulations.
9. Expedite any reviews and approvals necessary to complete the project in the allotted schedule planned for development of the project.
10. Agree to provide the local match for the project per MAP 21 guidelines in Arizona at 5.75% of the total construction budget at the time of Advertisement for the Reynolds Creek work on SR 288. These funds will need to be in place for the project to be advertised.

During Construction, ADOT will:

1. If required, enter into a formal partnering work session and agreement with all parties involved in the construction contract (FS, ADOT, FHWA, contractor, etc.).
2. Designate a representative who will be the primary contact for FHWA's construction staff.
3. Consider proposed design changes, evaluate change impacts, and provide construction oversight as needed, ensuring that requests meet the requirements intended in the PS&E.
4. Attend a final inspection with the FHWA and FS upon completion of construction.

After Construction, ADOT will:

1. Assume responsibility of the NPDES permit until the Notice of Termination is filed and accepted.
2. Provide long-term maintenance and operation of FH 12 improvements.
3. Execute Highway Easement Deed with the assistance of FHWA.

Federal Highway Administration, Central Federal Lands Highway Division

During Project Development, the FHWA will:

1. Develop and sign this Project Agreement.
2. Manage project development schedule and preliminary engineering costs.
3. Perform pavement and geotechnical investigations.
4. Obtain all necessary permits.
5. Prepare the PS&E for the proposed project.
6. Prepare ROW plans for the Highway Easement Deed as necessary.
7. Advertise and award the contract. Bids will not be solicited by FHWA until the FS, ADOT and the County have concurred with the plans and specifications.
8. Collaborate with FS, ADOT and the County to Develop the Draft Highway Easement Deed.

9. Enter into a reimbursable agreement with the Forest Service for work effort above and beyond normal reviews and for Forest Service technical support for NEPA studies.

During Construction, the FHWA will:

1. Potentially enter into a formal partnering work session and agreement with all parties involved in the construction contract (FS, ADOT, Gila County and contractor, etc.).
2. Advertise and award project. Provide Project Engineer on site for construction administration.
3. Determine the need for any proposed changes to contract documents, evaluate change impacts, coordinate technical reviews as needed, and ensure that the construction meets the requirements intended in the PS&E.
4. Ensure that the contractor will bear all expense of maintaining traffic, other than snow removal and normal state maintenance work.
5. Verify adherence to environmental documents.
6. Attend final inspection with the FS and the Counties upon completion of construction.

PROJECT TEAM MEMBERS:

Tonto National Forest

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PROJECT SCHEDULE:

Task	Responsible Lead	Schedule		Description of Critical Elements
		Start	Finish	
Project Development Planning	FHWA	February 2012	April 2012	Project Development Plan
Environmental Compliance	FHWA	April 2012	April 2013	NEPA Documents Completed and Signoff
Preliminary Design	FHWA	April 2012	September 2012	Development of Design Study Report (30% Design)
Design Structure and Hydraulic Recommendations	FHWA	May 2012	November 2012	Perform site investigation and provide pavements recommendations
Geotechnical Investigations	FHWA	Summer 2012	Summer 2012	Perform site investigation and provide geotechnical recommendations
Intermediate Design	FHWA	November 2012	February 2013	Development of 70% PS&E's
Letter of Consent	FHWA	April 2013	April 2013	Obtain Letter of Consent from the FS
Final Design	FHWA	February 2013	June 2013	Development of final contract documents
Advertisement/Award/NTP	FHWA	August 2013	August 2013	Dependent on FH funding

CONTRACTING AND PROCUREMENT:

FHWA, as the contracting office, will review the available contracting options, and with the concurrence of the Forest Highway, utilize the most effective contracting method. Where possible, A+B (Cost + Time) will be used to determine the lowest bidder, and minimize disruption due to construction operations.

The Contract Special Provisions will make an offer to the contractor to enter into a partnering work session with all parties involved in the contract. In addition, the contractor will be encouraged to develop, prepare, and submit value engineering change proposals (VECPs) and share in any contract savings realized from accepted VECPs.

ACCEPTABILITY AND CHANGES:

Unless this agreement is modified in writing, it is expected that this project will be delivered within the stated scope, schedule, and budget. If changes are required, the responsible team member will escalate the change needs, with justification for the change, to the team leaders. The team leaders will assure that additional funds are available to accommodate the change. It is the responsibility of the project

development team to recognize when changes are needed and to make timely notification to management in order to avoid project delivery delays.

ESCALATION MATRIX:

CFLHD	FS	Gila County	ADOT
Project Development Team	Project Development Team		
Project Manager: Ed Martinez (FHWA Team Lead)	Acting Forest Engineer: Christine Crawford (Forest Engineer)	Preconstruction Engineer: Steve Sanders (County Lead)	Preconstruction Engineer: Wayne Grainger (Development Lead)
Director, Project Delivery: Michael Davies	Forest Supervisor: Neil Bosworth	County Manager	Matt Maul Development Engineer
Division Engineer: Ricardo Suarez	Project Liaison: Joel Mona		