



# Clarkdale Transportation Study

ADOT MPD Task Assignment 15-10  
PGTD 0440  
Contract # T08-49-U0001

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## Work Plan

*Prepared by:*



*Prepared for:*

ARIZONA DEPARTMENT OF TRANSPORTATION  
TOWN OF CLARKDALE

March 30, 2010  
091374034

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## 1 INTRODUCTION

The Town of Clarkdale, Arizona (Town) was established as a mining community at the upper end of the Verde Valley in Yavapai County. This “first master planned community in Arizona” was laid out in a compact street grid within walking distance of the Verde River and the copper smelter that was the community’s chief employer. Industrial sites were adjacent to the areas available for other land uses.

Main Street in downtown Clarkdale was part of the first state highway route through the Town. That route, now designated as an Arizona Scenic Historic Byway, was replaced by the current SR 89A. Today SR 89A carries over 12,000 vehicles per day. While the historic byway (11th Street, Main Street, and South Broadway) carries far less traffic than SR 89A, portions of it are the primary access to downtown Clarkdale and some residential areas of Town. While South Broadway and modern SR 89A are parallel and only about a mile apart, the newer neighborhoods adjacent to the roads appear rather distinct. As Clarkdale has grown, the roadway network has been shaped by the rugged terrain, the railroad, and the Verde River.

Recently Clarkdale grew substantially. Several housing developments were begun in the Town and when complete they will add significant traffic to the Town’s streets and roads. Although the current economic condition has affected the pace of growth, the Town, and Yavapai County are projected to have steady growth in the future. During the recent period of rapid growth the new issues that accompanied large development proposals sometimes challenged the Town. The Town now desires to take advantage of the current economic climate to plan and prepare for future growth.

The Town’s industrial areas — whether expanding, new, or proposed — are in north Clarkdale at the “end of the road,” with the rest of the Town between them and the rest of the Verde Valley. Commuters to the industries and truck freight traffic generally would pass through residential and commercial areas of Town. Likely benefits would be a large proportion of residents who would have short commutes within the Town, fostering their sense of Town identity. Challenges could include traffic noise and mismatched daily schedules among the various activity centers.

## 2 STUDY OBJECTIVES

Kimley-Horn (KHA) will conduct an analysis of multimodal transportation needs within the Town, and develop a transportation master plan (Plan) to meet the identified needs. The Plan will culminate in a final report that recommends multimodal transportation improvements for five-, ten-, and twenty-year planning horizons. In addition, we propose that the Plan include tools needed to equip the Town to serve future growth and development. The tools would include a Streets and Routes Map and Traffic Impact Analysis Guidelines and Criteria.



We have identified several topics that will need to be examined during the study and addressed in the Plan. For each topic we have identified provisional study objectives, which will be refined upon study initiation. These objectives will guide the study to ensure that the Town has a transportation plan that is clearly stated, meets the needs of the Town, has public and elected official support, matches project cost with reasonable funding sources, and provides sound implementation priorities.

1. Identify transportation system improvements that are needed to better integrate existing and planned developments into the local transportation system.
  - Conduct an analysis of infrastructure needs and the potential impacts of in-progress developments where construction has already commenced: (1) Mountain Gate; and (2) Highlands.
2. Identify transportation system improvements that are needed to provide excellent service to activity centers. Review infrastructure needs for:
  - Industrial development in and adjacent to the Town:  
(1) Clarkdale Metals, (2) Salt River Materials Group Cement Plant, and (3) Clarkdale Sustainability Park.
  - Yavapai College Verde Valley Campus
  - Consider needed improvements to the Industrial Road (unbuilt).
  - Consider future industrial traffic flow to SR 89A from Industrial Road (to be funded by Clarkdale Metals) and Cement Plant Road.
  - Consider and document as appropriate the need for long-term future regional connections to SR 89 on the west or a loop to SR 89A on the east.
3. Identify multimodal transportation system improvements that are needed to serve all users.
  - Work with Clarkdale Transit Committee to plan for continued Cottonwood Area Transit services to the Town that emphasize coordination with other transportation modes.
  - Identify pedestrian and bicycle needs.
4. Develop a Plan that addresses both roadway and multimodal needs.
  - Recommend specific improvement projects and implementation strategies that address identified needs and deficiencies for planning horizons.
  - Prioritize the projects based on need and financial considerations.



5. Develop and incorporate into the Plan tools to assist the Town to plan for future growth.
  - Traffic impact analysis guidelines and criteria to identify requirements for developer improvements to accommodate anticipated increase in traffic and roadway infrastructure needs.
  - Basis for resolving issues regarding private streets recommend standards for acceptance of previously private streets into the Town system.
  - Major streets and routes map that includes local roadway functional classification system and associated standards, relationship to the federal functional class system, right of way requirements, and reader-friendly multi-modal cross-section diagrams that include Complete Streets elements as appropriate.
  
6. Coordinate the study with other related local and regional planning efforts and agencies, such as:
  - Agencies that are represented on the Study's Technical Advisory Committee (TAC).
  - The on-going Town of Clarkdale General Plan update. The Plan may serve as the Circulation Element of the Town's General Plan Update (in progress).
  - The Town's Strategic Planning Goals, including any transportation-related goals from the upcoming February 2010 annual Strategic Planning session
  - The Verde Valley Transportation Planning Organization and implementation of the recently-adopted Verde Valley Multimodal Transportation Study (VVMTS).
  - Environmental, land management, and natural resource agencies, including National Park Service, Arizona State Parks, ADOT Environmental Planning, U.S. Forest Service, and Arizona Game and Fish. While there are no State Land or Bureau of Land Management (BLM) holdings in the study area, these agencies will be invited to participate.

### 3 STUDY AREA MAP

The study area for the Clarkdale Transportation Study consists of the incorporated boundaries of the Town of Clarkdale. The study area is depicted in **Figure 1** on the next page.



# CLARKDALE

TRANSPORTATION STUDY | ADOT | TASK ASSIGNMENT MPD 15-10

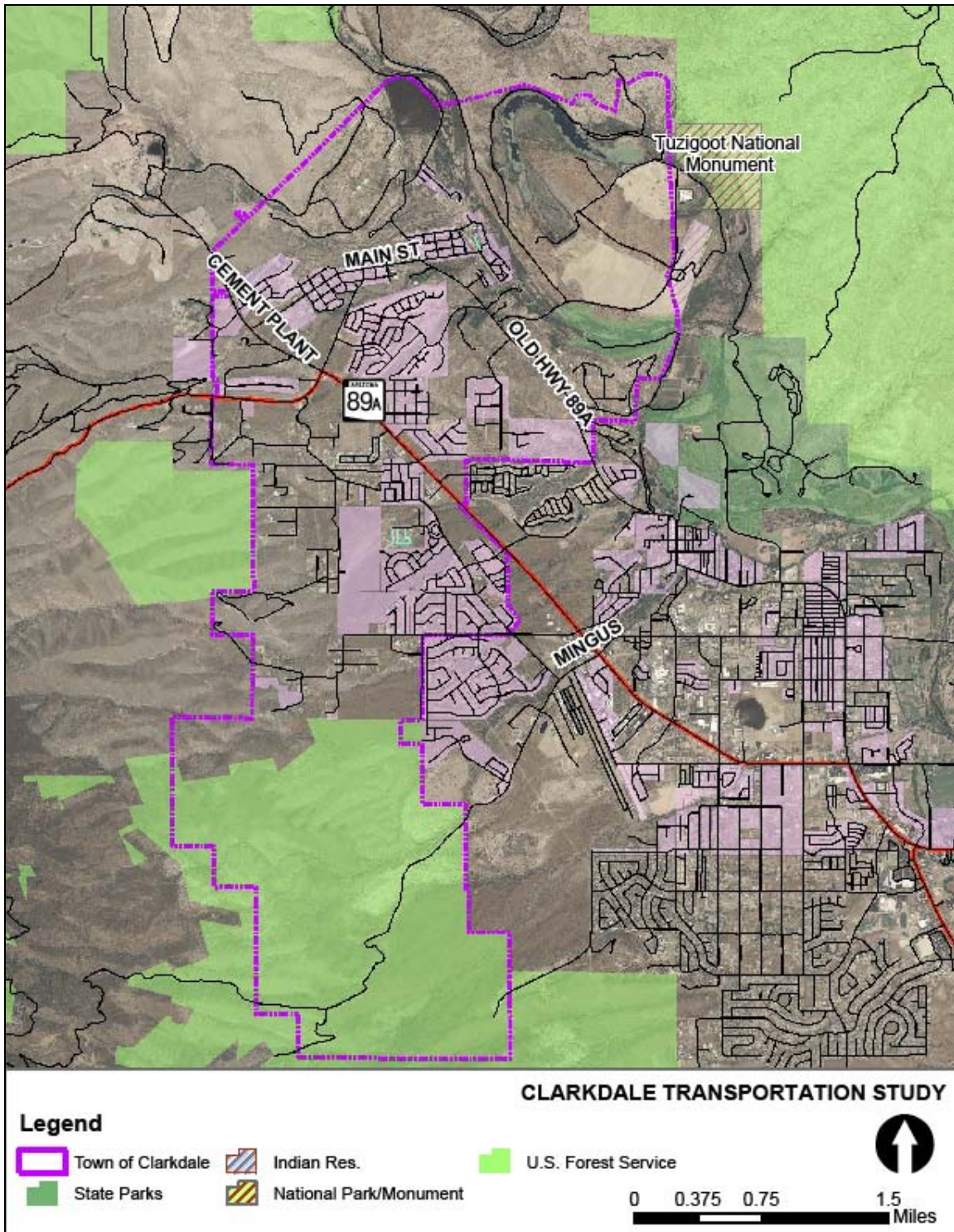


Figure 1: Study Area Map

## 4 TECHNICAL ADVISORY COMMITTEE

The Technical Advisory Committee for the study consists of the representatives of the agencies that are listed below. Technical Advisory Committee membership may be expanded, as needed, throughout the study.

- ADOT Communication and Community Partnerships
- ADOT Multimodal Planning Division – Systems and Regional Planning
- ADOT Multimodal Planning Division – Transit
- ADOT Prescott District
- Arizona State Parks
- Arizona Game and Fish
- Clarkdale Fire District
- Town of Clarkdale Community Development
- Town of Clarkdale Police Department
- Town of Clarkdale Public Works
- Clarkdale-Jerome Elementary School District
- City of Cottonwood
- Cottonwood Area Transit
- Town of Jerome
- Northern Arizona Council of Governments
- US Forest Service-Prescott
- US National Park Service
- Yavapai Apache Tribe
- Yavapai County

## 5 PUBLIC INVOLVEMENT PLAN

The goal of public involvement is to educate stakeholders and the public about the study, to provide opportunities for community input and to create a process for building consent in support of the study recommendations.

### 5.1 Public Meetings

Both Public Meetings will be held at the Clarkdale Memorial Clubhouse Men's Lounge located at 19 North Ninth Street in Clarkdale between 5 p.m. and 7 p.m.

#### 5.1.1 Notification

**Newspaper advertisements** will be placed two weeks prior to each public meeting in the Verde Independent and the Coffee News AZ, which distribute to and around the Cottonwood area. The Verde Independent is the local newspaper distributed to subscribers as well as for sale at local newsstands. Coffee News AZ is a weekly free publication distributed to local restaurants for distribution to customers.

**Radio notifications** will be placed on Yavapai Broadcasting radio stations, based upon past relationships built through ADOT CCP.

**Earned media** opportunities will be available through the distribution of media releases. ADOT CCP will distribute three media releases during the study. The first will announce the study and its goals, the second will announce the first public meeting, and the third will announce the second public meeting. These media releases will be distributed to media contacts throughout the Verde Valley.

**Website notifications** will be posted two weeks prior to the public meetings on the ADOT, Town of Clarkdale, Clarkdale Chamber of Commerce, Verde Valley Fire District, Clarkdale-Jerome Elementary School District, and other local entity Web sites.

**Residential utility bill notifications** will be developed in coordination with ADOT and Town of Clarkdale and distributed in residential water and trash collection bills the month prior to the public meetings. Bills are sent to approximately 1,800 residents. There are two separate billing cycles per month, one during the second week of the month and one during the fourth week. ADOT will provide the Town's billing department with 1/3 page black and white notifications to be included with the utility bills.

**Publicity posters** will be developed and distributed two weeks prior to each public meeting. These posters will be delivered and displayed at local community locations as follows:

- Clarkdale Town Hall
- Clarkdale Post Office
- Clarkdale Memorial Library
- Clarkdale Chamber of Commerce
- Lamplighter Village (adult housing community)
- Verde Valley Moose Lodge
- Clarkdale Jerome Lions Club
- Salt River Materials Group Employee Lounge
- Yavapai College Verde Valley Campus

### 5.1.2 Format

Community members are encouraged to attend to participate in shaping their transportation future. Each meeting will begin with opening remarks, followed by a brief presentation given by the ADOT MPD PM as well as a representative from the technical consultant team. At the conclusion of the presentation, guests will be asked to participate in a question and answer discussion led by ADOT CCP. All formal public meeting

activities will be digitally recorded for accurate study documentation. Prior to and following the formal public meeting format, guests will be allowed to discuss study details one-on-one with project team members. Oral comments gathered during one-on-one discussions will not be included in the public meeting summaries.

### 5.1.3 Purpose

Public Meeting 1 is intended to present information and findings related to existing and future conditions, needs, and deficiencies for public input and review.

Public Meeting 2 is intended to present information and findings related to the Plan for improvements for public input and review.

### 5.1.4 Public Meeting Summaries

Summaries of each public meeting will be produced to document the meetings and comments received from the public. Each summary will include a list of participating elected officials, study team members, brief summary of the presentation given, summary of questions asked and answers provided, and a complete compilation of comments received from participants. Summaries will be prepared, reviewed, and finalized within two weeks of the date of the meeting for inclusion in the technical documents. Upon completion, the summaries will be posted on the ADOT MPD project Web site for public viewing.

### 5.1.5 Timeframe of Public Involvement Activities

A schedule of public involvement activities is presented below.

Public Involvement Activity	Timeframe	Tasks included in Activity
Public Involvement Plan (PIP)	March 2010	<ul style="list-style-type: none"> <li>• Draft Public Involvement Plan for review by ADOT MPD Project Manager (PM), ADOT CCP, technical team, Town of Clarkdale, and Technical Advisory Committee (TAC).</li> <li>• Incorporate comments and finalize Public Involvement Plan.</li> <li>• Provide final PIP to ADOT MPD for inclusion on ADOT Web site.</li> </ul>
Stakeholder List	March 2010	<ul style="list-style-type: none"> <li>• Develop list of stakeholders for review by ADOT MPD PM, ADOT CCP, technical team, Town of Clarkdale, and TAC.</li> </ul>



Public Involvement Activity	Timeframe	Tasks included in Activity
Public Meeting 1 Publicity	May/June 2010	<ul style="list-style-type: none"> <li>• Secure meeting location at Clarkdale Memorial Clubhouse, Men's Lounge.</li> <li>• Draft newspaper ad and distribute to ADOT MPD PM, ADOT CCP, technical teams, and Town of Clarkdale for review.</li> <li>• Submit newspaper ad to be published 14 days prior to public meeting.</li> <li>• Develop publicity posters to post at local community buildings throughout Clarkdale and surrounding areas.</li> <li>• Draft media release for review by ADOT MPD PM, ADOT CCP, technical team, Town of Clarkdale, and TAC and for distribution by ADOT CCP.</li> <li>• Post Public Meeting announcement on ADOT, Town, local media outlet, and local community Web sites.</li> <li>• Develop notification to be included in Town utility bills, distributed throughout community.</li> </ul>
Public Meeting 1	July 2010	<ul style="list-style-type: none"> <li>• Coordinate all logistics of the public meeting, including room setup, audio/visual equipment, and light refreshments (if needed).</li> <li>• Assist in preparing public meeting presentation, handouts, and displays.</li> <li>• Attend public meeting.</li> <li>• Greet and sign in participants.</li> <li>• Take notes and digitally record the public meeting.</li> <li>• Clean up meeting location and ensure the location is secured.</li> </ul>
Public Meeting 1 Summary	July/August 2010	<ul style="list-style-type: none"> <li>• Compile comments received at public meeting.</li> <li>• Draft Public Meeting Summary for review by ADOT MPD PM, ADOT CCP, technical team, Town of Clarkdale, and TAC.</li> <li>• Incorporate comments and finalize public meeting summary.</li> <li>• Provide Public Meeting Summary 1 to ADOT MPD for inclusion on ADOT Web site.</li> </ul>



Public Involvement Activity	Timeframe	Tasks included in Activity
Public Meeting 2 Publicity	September/ October 2010	<ul style="list-style-type: none"> <li>• Secure meeting location at Clarkdale Memorial Clubhouse, Men's Lounge.</li> <li>• Draft newspaper ad and distribute to ADOT MPD PM, ADOT CCP, technical teams, and Town of Clarkdale for review.</li> <li>• Submit newspaper ad to be published 14 days prior to public meeting.</li> <li>• Develop publicity posters to post at local community buildings throughout Clarkdale and surrounding areas.</li> <li>• Draft media release for review by ADOT MPD PM, ADOT CCP, technical team, Town of Clarkdale, and TAC and for distribution by ADOT CCP.</li> <li>• Post Public Meeting announcement on ADOT, Town, local media outlet, and local community Web sites.</li> <li>• Develop notification to be included in Town utility bills, distributed throughout community.</li> </ul>
Public Meeting 2	November 2010	<ul style="list-style-type: none"> <li>• Coordinate all logistics of the public meeting, including room setup, audio/visual equipment, and light refreshments (if needed).</li> <li>• Assist in preparing public meeting presentation, handouts, and displays.</li> <li>• Attend public meeting.</li> <li>• Greet and sign in participants.</li> <li>• Take notes and digitally record the public meeting.</li> <li>• Clean up meeting location and ensure the location is secured.</li> </ul>
Public Meeting 2 Summary	November/ December 2010	<ul style="list-style-type: none"> <li>• Compile comments received at public meeting.</li> <li>• Draft Public Meeting Summary for review by ADOT MPD PM, ADOT CCP, technical team, Town of Clarkdale, and TAC.</li> <li>• Incorporate comments and finalize public meeting summary.</li> <li>• Provide Public Meeting Summary 2 to ADOT MPD for inclusion on ADOT Web site.</li> </ul>

### 5.1.6 Stakeholders

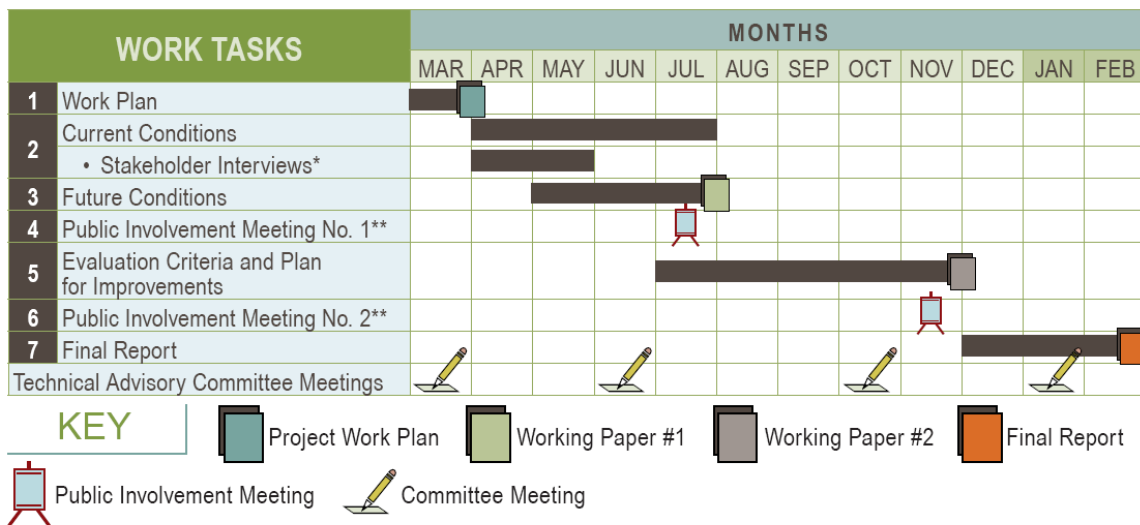
Stakeholder agencies that have been identified for this study include those listed below. The list of identified stakeholders may expand, as needed, throughout the course of the study.

- Arizona Department of Environmental Quality, Northern Regional Office
- ADOT Communication and Community Partnerships
- ADOT Multimodal Planning Division
- ADOT Prescott District
- Arizona Game and Fish
- Arizona State Land Department
- Arizona State Parks
- Clarkdale Chamber of Commerce
- Clarkdale Fire District
- Clemenceau Heritage Museum
- Town of Clarkdale Community Development
- Town of Clarkdale Police Department
- Town of Clarkdale Public Works
- Town of Cottonwood
- Cottonwood Area Transit
- Mingus High School District
- Salt River Materials Cement Plant
- Northern Arizona Council of Governments
- The Nature Conservancy
- Town of Jerome
- US Department of Transportation, Federal Highway Administration
- US Bureau of Land Management
- US Bureau of Reclamation
- US Fish and Wildlife Service
- US Forest Service-Prescott
- US National Park Service
- Verde Canyon Railroad
- Verde Valley Ambulance
- Verde Valley Fire District
- Yavapai Apache Tribe

## 6 PROJECT SCHEDULE

The project will be completed within a 12-month timeframe. The project schedule is presented in **Figure 2**. Key elements of the project schedule are listed below.

Technical Advisory Committee Meetings	<ul style="list-style-type: none"> <li>March 2010</li> <li>June 2010</li> <li>October 2010</li> <li>January 2011</li> </ul>
Stakeholder Interviews	<ul style="list-style-type: none"> <li>April 2010</li> </ul>
Public Open House Meetings	<ul style="list-style-type: none"> <li>July 2010</li> <li>November 2010</li> </ul>
Project Deliverables	<ul style="list-style-type: none"> <li>Project Work Plan</li> <li>Working Paper No. 1 – Current and Future Conditions</li> <li>Working Paper No. 2 – Evaluation Criteria and Plan for Improvements</li> <li>Final Report</li> </ul>



\*One on one stakeholder interviews with Town of Clarkdale and other agencies, including natural resource and land management agencies.

\*\*Schedule for Public Open Houses will be determined in collaboration with the assigned Public Involvement Consortium.

**Figure 2: Project Schedule**

## 7 PROJECT WORK PLAN

The Project Work Plan includes seven tasks that encompass the Scope of Work.

- Task 1: Refine Work Plan
- Task 2: Current Conditions
- Task 3: Future Conditions
- Task 4: First Phase of Public Involvement
- Task 5: Evaluation Criteria and Plan for Improvements
- Task 6: Second Phase of Public Involvement
- Task 7: Final Report

### 7.1 Task 1 –Work Plan

Develop a Work Plan that includes a detailed description of work tasks, products, schedule, a study area map, and the Public Involvement Plan that was developed by the ADOT Communication and Community Partnerships Division (CCP).

#### Work Activities

- Conduct a kick-off meeting with the ADOT project manager and Town of Clarkdale local contact to discuss the Work Plan and Stakeholder Participation Plan.
- Submit the revised Work Plan to the ADOT project manager for review and approval for distribution to the TAC.
- Schedule, prepare for, and attend the first TAC meeting. The purpose of the TAC meeting will be to solicit input from each TAC member on the study expectations, perspectives and issues, the Work Plan, and information relevant to Tasks 2 and 3 (current and future conditions).
- Address TAC comments on the Work Plan and prepare the final Work Plan for posting on the ADOT website.
- Prepare monthly invoices and progress reports.

#### Deliverables

- Kick-off meeting agenda and meeting summary.
- Work Plan (Study Area Boundary, Scope of Work, and Project Schedule)
- Public Involvement Plan (to be developed by Public Involvement Consortium)
- TAC Meeting No. 1 agenda, presentation materials, and meeting summary.

### 7.2 Task 2 – Current Conditions

Compile data and information on current conditions in the Town and surrounding area necessary to identify needs and deficiencies. This process will entail stakeholder interviews and group meetings. A summary of data collection activities is in **Table 1**.

This task will efficiently expand upon data and findings of the VVMTS, which was completed in 2009. We will use the analysis and recommendations from the VVMTS as a baseline on which to build detailed, updated analysis to support the Plan.

### Activities

- Arrange and conduct one-on-one meetings with stakeholders identified in collaboration with the Town's local contact, ADOT project manager, and the TAC. Stakeholders may include representatives from agencies represented on the TAC, business owners, and residents.
- Conduct one-on-one meetings with environmental, land management, and natural resource agencies: National Park Service, Arizona State Parks, ADOT Environmental Planning, U.S. Forest Service, and Arizona Game and Fish. State Lands and BLM will be invited to participate because of regional interests.
- Summarize information pertinent to Clarkdale from the VVMTS. Update information as appropriate.
- Summarize current land use patterns, employment centers, significant natural and physical features, demographic and socioeconomic characteristics.
- Gather necessary information to facilitate an analysis of:
  - Infrastructure needs and the potential impacts of in-progress developments where construction has already commenced: (1) Mountain Gate (approx. 1/3 built); and (2) Highlands (construction underway). This information includes number of homes/residents, and site lay-outs.
  - Infrastructure needs for industrial development in and adjacent to the Town:
    - (1) Clarkdale Metals, (2) Salt River Materials Group Cement Plant, and (3) Clarkdale Sustainability Park.
  - Infrastructure needs Yavapai College Verde Valley Campus
  - Needed improvements to the Industrial Road (unbuilt).
  - Infrastructure needs to accommodate future industrial traffic flow to SR 89A from Industrial Road (to be funded by Clarkdale Metals) and Cement Plant Road.

Information will also be gathered to consider and document as appropriate the need for long-term future regional connections to SR 89 on the west or a loop to SR 89A on the east.

- Summarize existing roadway conditions including functional classification of roads, and traffic data from the on-going Clarkdale traffic data collection program.
- Obtain and summarize crash data obtained from ADOT.
- Summarize existing non-motorized conditions. In collaboration with Town of Clarkdale Transit Committee, and the NAIPTA, identify transit conditions, needs,

and deficiencies: summarize current transit ridership data and levels of service. Transit provided for special needs groups and purposes shall be included.

- Prepare the appropriate sections of Working Paper No. 1.

**Deliverables**

- Task 2 findings (current conditions) will be documented in Working Paper No. 1 – Current and Future Conditions.

**Table 1. Summary of Data Collection Activities**

Type of Data	Source	Comment
Current and future land use patterns	Clarkdale and Yavapai County General Plan, Land use maps, assessor parcel maps, aerial mapping, and VVMTS	GIS information will be requested from Yavapai County and Town of Clarkdale. The VVMTS data and information will be requested from Yavapai County will be reviewed and updated as necessary. The primary focus of this activity is to identify the location, type, and size of planned (employment and residential) developments.
Demographic and socioeconomic data	Clarkdale, Yavapai County, ADOT , VVMTS	Data and information in the VVMTS will be reviewed and updated as necessary. Refinements will be made based on Town input and stakeholder discussions.
Travel data (traffic counts, traffic circulation patterns)	Town of Clarkdale and ADOT	Daily traffic volumes collected by Town of Clarkdale will be summarized. Other available traffic information from ADOT will be obtained.
Traffic Forecast Data	VVMTS Traffic Forecasts	Traffic forecasts in the VVMTS will be reviewed. Adjustments to account for planned large developments will be made as necessary. Future traffic forecasts will be documented for the primary roads in Town including Main Street, Old Highway 89, and SR 89A.
Functional classifications of the roadways	Clarkdale, Yavapai County, ADOT	Existing functional classifications will be summarized.
Roadway	TAC and Stakeholder input, Clarkdale staff, windshield survey, aerials	Lanes, shoulders, intersection traffic control.
Transit	Cottonwood Express	Clarkdale Transit Committee, CAT, and NAIPTA.

**Table 1. Summary of Data Collection Activities (continued)**

Type of Data	Source	Comment
Crash history (three years of crash records)	ADOT and Town of Clarkdale.	Identify high crash locations and characteristics. ADOT to provide latitude and longitude coordinates or a shapefile if crashes are to be mapped.
Non-Motorized transportation	Town of Clarkdale, windshield survey, aerial	Major roadway segments with and without sidewalks on major streets in the Town will be summarized.

### **7.3 Task 3 – Future Conditions**

Summarize future conditions in the study area for the purpose of identifying multimodal transportation needs and deficiencies for years 2015, 2020, and 2030.

#### **Activities**

- Identify future employment centers and areas of residential growth.
- Review the VVMTS travel demand findings, which will serve as the basis for travel demand projections for this Study. Items from the VVMTS include the socioeconomic inputs for Traffic Analysis Zones and the travel demand modeling outputs including traffic volumes and level of service. Manually adjust, if necessary, travel demand projections as based on updated current and future conditions information.
- Identify infrastructure deficiencies for roadways, and multimodal transportation modes in the study area.
- Prepare and distribute Draft Working Paper No. 1 to the ADOT project manager, the Town’s local contact, and the TAC.
- Schedule, prepare for, and attend the second TAC meeting.

#### **Deliverables**

- Draft Working Paper No. 1: Current and Future Conditions
- TAC Meeting No. 2 agenda, presentation materials, and meeting summary

### **7.4 Task 4 – Public Involvement Meeting No. 1**

Plan and conduct the first public involvement open house meeting. The purpose of the first public meeting will be to present information and findings related to existing and future conditions, needs, and deficiencies for public input and review. Detailed activities with respect to public involvement are outlined previously in Chapter 5 – Public Involvement Plan.

## 7.5 Task 5 – Develop Evaluation Criteria and Plan for Improvements

Develop specific projects that address the needs and deficiencies identified in previous tasks. Projects will be developed for 5-, 10-, and 20-year planning horizons. Example projects by category are listed in **Table 2**.

**Table 2. Example Project Categories**

Project Category	Project Examples
Right-of-Way (ROW) Preservation	- New street cross sections - New roadway alignments and extensions
Roadway Improvements	- Widening existing streets - Access management improvements - Intersection improvements/new traffic signals - Impacts of new development - Improvements to accommodate industrial truck traffic
Bicycle and Pedestrian Mobility	- Shoulder improvements - Bicycle lanes
Safety	- Intersection improvements - Turning lanes - Access management
Transit	- Effective intermodal coordination with CAT

Another key element of this task will be to prepare tools for use by the Town to help plan for future growth. These tools include a Streets and Routes Map and Traffic Impact Analysis Guidelines and will assist the Town to communicate improvement needs to developers and other parties during the project development process.

### Activities

Identify improvements required to meet identified needs and deficiencies for 5-, 10-, and 20-year planning horizons.

- Transportation needs will be determined based on:
  - Deficiencies identified by the ADOT project manager, TAC, and stakeholders
  - Ability to accommodate multimodal alternatives
  - Identification of high crash locations
- Projects will consider infrastructure needs for:



- In-progress developments where construction has already commenced: (1) Mountain Gate (approx. 1/3 built); and (2) Highlands (construction underway). This information includes number of homes/residents, and site lay-outs.
- Industrial development in and adjacent to the Town:
  - (1) Clarkdale Metals, (2) Salt River Materials Group Cement Plant, and (3) Clarkdale Sustainability Park.
- Yavapai College Verde Valley Campus
- Improvements to the Industrial Road (unbuilt).
- Future industrial traffic flow to SR 89A from Industrial Road (to be funded by Clarkdale Metals) and Cement Plant Road.

Project development will also consider and document as appropriate the need for long-term future regional connections to SR 89 on the west or a loop to SR 89A on the east.

- Address environmental justice concerns based on the analysis of Title VI population groups. Recommend mitigation measures, if needed.
- Prepare planning level cost estimates.
- Develop project evaluation and prioritization criteria. Prepare an evaluation matrix.
- Identify potential revenue sources.
- Develop tools to assist the Town to help plan for future growth. These tools may include a Streets and Routes Map and Traffic Impact Analysis Guidelines.
- Prepare and submit draft Working Paper No. 2 to the Town's local contact and to the ADOT project manager for review and approval for distribution to the TAC.
- Schedule, prepare for, and attend the third TAC meeting to present Working Paper No. 2.
- Address TAC comments and prepare and submit the final Working Paper No. 2.

## **Deliverables**

- Working Paper No. 2 – Evaluation Criteria and Plan for Improvements
- TAC Meeting 3 agenda, presentation materials, and meeting summary

## **7.6 Task 6 – Public Involvement Meeting No. 2**

Plan and conduct the second public involvement open house meeting. The purpose of the second public meeting will be to present information and findings related to plan for improvements. Detailed activities and deliverables with respect to public involvement are outlined previously in Chapter 5 – Public Involvement Plan.

## **7.7 Task 7 – Final Report**

Compile the data and findings from the working papers and summary reports prepared in previous tasks into a Final Report and document recommendations regarding future studies.

## Activities

- Prepare a draft Final Report that contains a compilation of data from all working papers and input received from the stakeholders and the public.
- Submit the draft Final Report to the ADOT project manager for review and approval for distribution to the TAC.
- Schedule, prepare for, and attend the fourth TAC meeting at which the draft Final Report will be presented.
- Compile comments received on the draft Final Report, prepare a comment resolution summary.
- Address each comment in the preparation of the Final Report.
- Produce and submit as described below:
  - TAC Members: One CD copy and One Hard Copy of the Final Report. The CD will contain all working papers and the Final Report
  - ADOT Project Manager: 5 CD Copies and 10 Hard Copies of the Final Report. The CD will contain all working papers and the Final Report