

(If a firm has branch offices, complete for each specific branch office seeking work.)

1. **REVISED ADSPO13-00003465: Annual Request for Qualifications**

a.	FIRM (OR BRANCH OFFICE) NAME:	AI Field & Associates, LLC
b.	FIRM (OR BRANCH OFFICE) STREET:	5028 W Buckskin Trail
c.	FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d.	FIRM (OR BRANCH OFFICE) STATE:	AZ
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	85083
f.	YEAR ESTABLISHED:	2010
(g1).	OWNERSHIP - TYPE:	LLC
(g2).	OWNERSHIP - SMALL BUSINESS STATUS:	SBE
h.	POINT OF CONTACT NAME AND TITLE:	AI Field
i.	POINT OF CONTACT TELEPHONE NUMBER:	602 616-3618
j.	POINT OF CONTACT E-MAIL ADDRESS:	AI.Field@AIField-Assoc.com
k.	NAME OF FIRM (If block 1a is a branch office):	

**2. EMPLOYEES BY DISCIPLINE**

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Utility Coordination Manager	P	1*	1
<b>Total (*Note: Owner is listed here as employee but is technically not an employee.)</b>		1	1



**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME <b>Al Field</b>		b. ROLE IN THIS CONTRACT <b>Utility Coordination Manager</b>		c. YEARS EXPERIENCE	
				1. TOTAL <b>35</b>	2. WITH CURRENT FIRM <b>3</b>
d. FIRM NAME AND LOCATION (City and State) <b>Al Field &amp; Associates, LLC, 5028 W Buckskin Trail, Phoenix, AZ 85083</b>					
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Some College</b>			f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Not Applicable</b>		
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
<ul style="list-style-type: none"> <li>• American Public Works Association (APWA) Utility and Public Right-of-Way (UPROW) Committee Member</li> <li>• AUCC (Arizona Utility Coordinating Council) Member</li> <li>• APWA AUCC Annual Partnering Champion Award Winner</li> <li>• APWA AZ Statewide Conference Committee Member, Exhibitors Chair</li> <li>• American Council of Engineering Companies of Arizona (ACEC/AZ) Member</li> <li>• ACEC Roads &amp; Streets Conference Committee Member, Utilities</li> <li>• ASCE (American Society of Civil Engineers) member</li> <li>• ASHE (American Society of Highway Engineers) member</li> <li>• CGA (Common Ground Alliance) member</li> <li>• IRWA (International Right-of-Way Association) member, Utility Committee Chair</li> <li>• SAME (Society of American Military Engineers – Phoenix Post) Member</li> <li>• APS (Arizona Public Service) Retirees Association Member</li> </ul>					

**H. RELEVANT PROJECTS**

1)	(1) TITLE AND LOCATION (City and State) <b>ADOT SR77, Tangerine Road to Pinal County Line, Tucson, AZ</b>	(2) Year Completed <b>2013</b>	
		Professional Services <b>Utility Coordination Manager</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Provided Professional Utility Coordination services on this 6-mile, \$46 million highway improvement project. The project widens the highway from 4- to 6-lanes and impacts major utility facilities.</b>		
2)	(1) TITLE AND LOCATION (City and State) <b>Peoria, Utility Undergrounding Program – Master Plan/Manual Peoria, AZ</b>	(2) Year Completed <b>2013</b>	
		Professional Services <b>Utility Coordination Manager</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Provided Project Management services on this City-wide project. The project includes development of funding strategies, inventorying and mapping existing overhead utilities, acquiring stakeholder input and finalizing a plan for submittal for Council action.</b>		
3)	(1) TITLE AND LOCATION (City and State) <b>Peoria, Deer Valley Road, 107<sup>th</sup> to 99<sup>th</sup> Avenues Peoria, AZ</b>	(2) Year Completed <b>2013</b>	
		Professional Services <b>Utility Locating</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Provided Utility Locating &amp; Mapping services on this 1.5-mile, highway improvement project. The project included locating and mapping of multiple utility facilities.</b>		

4)	(1) TITLE AND LOCATION <i>(City and State)</i> ADOT, SR79 & Diversion Dam Road - Signalization Florence, AZ	(2) Year Completed 2013	
		Professional Services Utility Coordination Manager	Construction <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided Professional Utility Coordination and Locating/Mapping services on this intersection signalization project. The project included coordination with the Town's project to add lanes to the intersection and impacts major utility facilities.		
5)	(1) TITLE AND LOCATION <i>(City and State)</i> Valley Metro Rail, Special Projects Manager Phoenix, AZ	(2) Year Completed 2008	
		Professional Services Special Project Manager	Construction <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Provided Professional Special Project Manager for Utility Coordination, Right-of-Way and Construction activities for the entire 20-mile Valley Metro Rail project through Phoenix, Tempe, and Mesa, Arizona. Activities included determining utility prior rights, acquiring and reconciling utility relocation costs, and coordinating utility relocation activities, right-of-way acquisition and construction sequencing. Services included resolving utility issues for a section of the project under construction with right-of-way not totally acquired and relocation of utilities still taking place.		

**5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

*(Present no more than five (5) projects. Complete one Section 5 for each project.)*

a. TITLE AND LOCATION <i>(City and State)</i> ADOT SR77, Tangerine Road to Pinal County Line, Tucson, AZ	a. YEAR COMPLETED 2013	
	PROFESSIONAL SERVICES Utility Coordination Manager	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER ADOT	d. DOLLAR AMOUNT OF PROJECT \$46 million	e. TOTAL COST OF PROJECT Currently Advertised, on budget
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and length of project)*

This 6-mile, highway improvement project widens SR77 from 4- to 6-lanes including 2 wildlife crossings, impacting 15 major utility facilities, and demonstrates the company's ability to coordinate multiple utility interests on large projects.

a. TITLE AND LOCATION <i>(City and State)</i> Peoria, Utility Undergrounding Program – Master Plan Peoria, AZ	b. YEAR COMPLETED 2013	
	PROFESSIONAL SERVICES Utility Coordination Manager	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER City of Peoria	d. DOLLAR AMOUNT OF PROJECT \$200,000	e. TOTAL COST OF PROJECT \$140,985.75, under budget
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and length of project)*

Created a manual demonstrating the routes and processes necessary to allow an agency to convert overhead utilities to underground. Demonstrates the versatility of the consultant, having not just the ability to work with the various utility owners across the state, but also the capacity to understand the needs of the agency with regard to various utility owners.

a. TITLE AND LOCATION <i>(City and State)</i> ADOT, SR79 & Diversion Dam Road - Signalization Florence, AZ	c. YEAR COMPLETED 2013	
	PROFESSIONAL SERVICES Utility Coordination Manager	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION		
c .PROJECT OWNER ADOT	d .DOLLAR AMOUNT OF PROJECT Unknown (Subconsultant)	e. TOTAL COST OF PROJECT Currently 95% Design

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)  
 Provided Professional Utility Coordination and Locating/Mapping services on this intersection signalization project. The project included coordination with the Town's project to add lanes to the intersection which impacts major utility facilities. Demonstrates the ability of the consultant to work with agencies across the state and with more than one project at one time. Provided the utility locations developed for the ADOT project to the Town of Florence reducing the Towns project costs, additionally assuming some utility coordination efforts to the benefit of both projects.

a. TITLE AND LOCATION (City and State) Valley Metro Rail, Special Projects Manager  Phoenix, AZ	b. YEAR COMPLETED 2008	
	PROFESSIONAL SERVICES Special Project Manager	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION		
c .PROJECT OWNER Valley Metro Rail	d .DOLLAR AMOUNT OF PROJECT Multi-billion	e. TOTAL COST OF PROJECT Unknown

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)  
 Provided Professional Special Project Manager for Utility Coordination, Right-of-Way and Construction activities for the entire 20-mile Valley Metro Rail project through Phoenix, Tempe, and Mesa, Arizona. Activities included determining utility prior rights, acquiring and reconciling utility relocation costs, and coordinating utility relocation activities, right-of-way acquisition and construction sequencing. Services included resolving utility issues for a section of the project under construction with right-of-way not totally acquired and relocation of utilities still taking place. Demonstrates the ability of consultant to work with large and small projects as well as working with multiple agencies on the same project while under stressful situations.

a. TITLE AND LOCATION (City and State) Phoenix Sky Harbor International Airport Sky Train Phoenix, AZ	b. YEAR COMPLETED 2010	
	PROFESSIONAL SERVICES Utility Coordination Manager	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION		
c .PROJECT OWNER Phoenix Sky Harbor International Airport	d .DOLLAR AMOUNT OF PROJECT \$2 billion	e. TOTAL COST OF PROJECT Unknown

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)  
 Provided Professional Utility Coordination services on this two-mile, \$2 billion, automated people-mover designed to transport travelers from the light rail station to and from the airport parking garages, terminals and rental-car facility while passing 130' over Taxiway Romeo on reinforced concrete piers up to 8' in diameter and 90' deep. Demonstrates the ability of consultant to work with airport officials and associated agencies as well as the myriad of airport utility owners for unique projects.

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## 6. ADDITIONAL INFORMATION

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a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)

### **Utility Coordination**

Utility Coordination presents opportunities to work with representatives from local agencies and other utility owners to make projects successful. AI Field & Associates (AFA) understands utility owner issues and has the experience and ability to work with them to minimize costs to this project while satisfying utility needs. Our multi-talented team consists of utility coordinators, utility locating specialists, non-destructive excavation teams, surveyors and CADD operators. We offer a full range of utility services to the consultant team and the agency/owner.

AFA is familiar with, and has worked with, utility owners statewide coordinating utilities for over 35 years. Utility items of concern on projects include the following:

- Relocation of utilities with prior rights will increase the cost of the project. Efforts to avoid relocation of these facilities are maximized.
- Outages on water facilities may be difficult to obtain during summer months.
- Work on irrigation lines should be scheduled during annual dry-ups.
- Outages on power facilities may be difficult to obtain during summer months.
- Outages on for relocation of communications facilities require considerable advance notice and may be lengthy.
- Outages on natural gas facilities may be difficult to obtain during winter months.
- While relocation of existing utilities is to be avoided where possible, when relocation is required, additional right-of-way may be needed and should be considered in the early stages of the project to simplify acquisition.
- New electrical services may be required for new, upgraded or relocated electric facilities. Requests for service should be made as early as possible to avoid delays.
- During project design, close coordination with the local agency is necessary to determine if they will require utility upgrades/ betterments added to the project which may affect other utilities on the project.

### **Project Approach**

- Will work with design team to minimize displacing existing utilities wherever possible since utility work schedule is subject to the needs of the owner. Coordination with utility owners will be intense and continuous. They are invited early on to participate in regularly-scheduled utility meetings and design progress meetings maintaining a team-member relationship. Some projects may require significant utility relocation which we attempt to minimize. Where relocation presents itself as a benefit to the project, the design team works with the utility owner to determine the best method and location to place the facilities to the satisfaction of all parties.
- Non-destructive utility locating allows determination of precise X-Y-Z coordinates of existing lines where necessary, allowing design to avoid costly relocations in many cases.
- Relocation costs for utilities having prior rights will be referred to the Project Manager for agreement preparation and payment. Otherwise the utility will be expected to incur the relocation costs.
- Actual utility relocation activities are generally expected to be completed prior to, or coordinated with, project construction activities where utility work is included in the project.

While utility relocations are expected to be kept to a minimum, Utility Coordination efforts to minimize utility impacts and keep utility owners informed about projects may include the following activities:

- Collect Utility Facility Records & Prior Rights Documents
- Identify Utility Conflicts
- Participate in Project Team Design Meetings
- Lead Utility Coordination Meetings
- Prepare & Distribute Utility Meeting Agendas & Summaries
- Hold One-on-One Utility Coordination Meetings
- Provide Alternatives to/for Utility Relocation When Asked
- Coordinate Subsurface Utility Engineering (Designation, Test Holes)
- Review and Comment on Project Plans from the Utility Perspective
- Review and Comment on Utility Relocation Plans
- Secure Utility Relocation Schedules
- Provide TCE / PUE Document Review if Needed
- Review and Comment on Utility/Project Special Provisions & Specifications
- Collect Utility Clearances
- Issue Project Utility Clearance
- Scheduling splicing outages.

### **Utility Locating, Mapping and Potholing Services**

Our team includes a professional utility locating firm whose two principals each have over 30 years of experience in the utility locating field. We provide utility locating, potholing and mapping services to public and private facility owners for design and construction projects. These services have been provided for ADOT signals projects, construction/expansion, solar design/installation and various rehabilitation projects on multiple hospital and school campus locations in the southwest. We utilize the latest technologies, processes and disciplines in finding utilities including electromagnetic locating, ferromagnetic locating, acoustic locating (for nonmetallic pipes) and ground penetrating radar. Our approach of performing a full "subsurface utility investigation" ensures accurate results and productive potholing, virtually eliminating "dry holes".

#### **Equipment**

We utilize state of the art locating equipment including the following:

- Electromagnetic locators – Dynatel 2573, Metrotech 810, Vivax vLoc2
- Electromagnetic sondes
- Acoustic locators – Sewerin & Vivax technologies (Introduces a "noise" on the pipe that can be located utilizing listening device)
- Ground Penetrating Radar (GPR) – Mala Easy Locator
- Electronic marker locators – Dynatel 2573
- Ferromagnetic Locators – Pipehorn MagHorn 450, Vivax VM880
- Camera Pipe Inspection equipment with internal Sondes – Vivax vCam
- Locatable rodders – Jameson Duct Hunters 3/16" x 200, 5/16" x 300' and 7/16" x 600'
- Duct Rodder (sonde attachment) – 1500'
- Vacuum Excavator on F-450 chassis – Self-contained unit for accessing tight areas
- Vacuum Excavator on GMC 6500 chassis – Full size unit
- Larger volume excavators are available if a large number of holes is needed, or if the location of the pothole is inaccessible to vehicles.
- Slot trenching and pit excavation are also available.

#### **Utility Designation / Locating**

We approach designating utilities on a site with the following methods:

- Obtain any records, maps, as-builts etc. available from engineering firms, property owners, and utility providers.
- Locate conductive facilities electromagnetically.
- Locate non-conductive pipes such as PVC or AC water lines utilizing acoustic locate method.
- Perform a "two-man sweep" of the area utilizing electromagnetic inductive locate method to search for unknown conductive facilities.
- Perform a scan of the area utilizing Ground Penetrating Radar (GPR) for unknown facilities.
- Insert locatable rodder in nonconductive pipes within the area and locate electromagnetically. (Empty conduits, drain and sewer lines)
- If "T's" or laterals are suspected along pipes, insert camera inspection device. Find T's or laterals visually and pinpoint locations from surface utilizing internal sonde in camera head.

#### **Potholing / SUE**

- Prior to work beginning on a pothole excavation project, a subsurface utility investigation is performed utilizing the appropriate method or methods described above in order to ensure productive digging. We pride ourselves in the fact that we virtually never dig "dry holes". It is our belief that we are being paid to find utilities, not just dig holes, and that has become a core value for our company.
- Once the facility is found and exposed, the pertinent utility information including depth, size and material of construction is gathered and recorded.
- The location of the utility is recorded utilizing a mapping grade GPS data collector and can be displayed and provided along with the other pertinent information in CAD or .pdf format.
- If desired, electronic markers can be installed above the facility so that the pothole location is documented in the field and the utility can be located in the future. 3M RFID markers are used as they are programmable with pertinent information. The RFID marker can be read from the surface at any time in the future.

#### **Utility Mapping:**

We are very proficient in locating and mapping utilities in campus type settings such as hospitals, call/data centers and school campuses. The maps created in these environments have been extremely useful to our clients for design and excavation phases of projects including hospital or school building additions, solar canopy projects and roadway, landscape, hardscape renovations. Once the subsurface utility investigation and utility designation phase is complete, we collect utility location data utilizing Trimble Geo XH GPS data collectors. This data is post-processed to achieve the most accurate mapping grade results and then provided in Shape File (.shp), CAD or .pdf format. Pothole information can be added to the map during the pothole phase as well.

In addition, we have the ability to offer mapping services utilizing a patented technology whereby a probe is advanced through a pipe while collecting location data internally. With the use of this technology, accurate 3D maps can be created. This technology has no limits to depth, type or length of pipe as it is not tracked from the surface; all location data is captured internally as it travels through the pipe. Deliverables include 3D CAD maps and Plan and Profiles of the pipes locations. Uses of this technology include mapping under buildings, waterways, freeways or anywhere where aboveground tracking is difficult or impossible. The maps provided can be used to determine pipe slope and identify sags in gravity system pipes or "prove in" locations of directionally drilled facilities at any depth.

**7. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS**

a.	Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	95
b.	Percentage of Total Work Attributable to Non-Government Work:	5

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**8. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.**

Signature: \_\_\_\_\_

Date: December 11, 2013

Name: Al Field

Title: President

# Al Field president, al field & associates, llc



## Project Role

Professional Utility  
Coordination Manager

## Experience

35 Years +

## Professional Affiliations

- American Public Works Association (APWA) Utility and Public Right-of-Way (UPROW) Committee Member
- APWA AZ Statewide Conference Committee
- American Council of Engineering Companies of Arizona (ACEC/AZ)
- ACEC Roads & Streets Conference Committee
- ASCE member
- ASHE member
- CGA member
- IRWA Member
- SAME Member
- Arizona Utility Coordinating Council (AUCC)
- APS Retirees Association

## Awards

- APWA AUCC Annual Partnering Champion Award Winner

[www.alfield-assoc.com](http://www.alfield-assoc.com)

## Expertise

Mr. Field has more than 35 years' experience in coordinating governmental capital improvement projects, including 25 years coordinating Arizona Department of Transportation (ADOT) projects in both private and public sectors with utility owners from the smallest to the largest. More specifically, following early retirement from Arizona Public Service Company, Mr. Field held the position of consultant for the Maricopa Association of Governments (MAG) Freeway program as the Senior Utility Coordinator for MAG projects at ADOT for ten years. More recently, he has provided professional Utility Coordination services as a consultant on numerous high-profile, complex projects including the \$2 billion Valley Metro Light Rail project and the \$1 billion Phoenix Sky Harbor International Airport Sky Train project.

## Key Project Experience

**Peoria, Utility Undergrounding Program – Master Plan.** (*Project Manager with Al Field & Associates*) Mr. Field provided Project Management services on this City-wide project. The project includes development of funding strategies, inventorying and mapping existing overhead utilities, acquiring stakeholder input and finalizing a plan for submittal for Council action.

**ADOT SR77, Tangerine Road to Pinal County Line.** (*Utility Coordination Manager with Al Field & Associates*) Mr. Field provided Professional Utility Coordination services on this 6-mile, \$46 million highway improvement project. The project widens the highway from 4- to 6-lanes and impacts major utility facilities.

**ADOT SR101 HOV Lanes, I-10 to Tatum Blvd – Design-Build.** (*Utility Coordination Project Manager with Al Field & Associates*) Mr. Field provided Professional Utility Coordination services on this 30-mile, \$90 million, freeway improvement project. The project was completed some 200 days earlier than other bidders expected.

**ADOT US60 Improvements, SR303 to 99<sup>th</sup> Avenue.** (*Utility Coordination Project Manager with Cardno TBE*) Mr. Field provided Professional Utility Coordination services on this 11-mile, highly congested highway improvement project. The project included coordination of multiple utility adjustments and coordination with the BNSF Railroad.

**Phoenix Sky Harbor International Airport Sky Train, Phoenix, AZ.** (*Utility Coordination Project Manager with Cardno TBE*) Mr. Field provided Professional Utility Coordination services on this two-mile, \$2 billion, automated people-mover designed to transport travelers from the light rail station to and from the airport parking garages, terminals and rental-car facility while passing 130' over Taxiway Romeo on reinforced concrete piers up to 8' in diameter and 90' deep.

**Gilbert CAP Pipeline, Gilbert, AZ.** (*Utility Coordination Project Manager with Cardno TBE*) Mr. Field provided Professional Utility Coordination services, including records research and utility mapping, on this 13-mile, \$41.4 million, 48" pipeline designed to bring water from the Central Arizona Project (CAP) to the Mesa/Gilbert South Treatment Plant while passing through Pinal County and the Town of Queen Creek. The project included coordination of multiple utility adjustments and coordination with the UPRR Railroad.

**Valley Metro Rail, Special Projects Manager, Phoenix, AZ.** (*Utility Coordination Project Manager with Cardno TBE*) Mr. Field was Special Project Manager for Utility Coordination, Right-of-Way and Construction activities for the 20-mile Valley Metro Rail project through Phoenix, Tempe, and Mesa, Arizona. Activities included determining utility prior rights, acquiring and reconciling utility relocation costs, and

coordinating utility relocation activities, right-of-way acquisition and construction sequencing. Mr. Field helped resolve utility issues for a section of the project under construction with right-of-way not totally acquired and relocation of utilities still taking place.

**ADOT MAG Freeway Utility Coordinator, Phoenix, AZ.** *Sr. Utility Coordinator for ADOT on the 139-mile, \$4.5 billion Maricopa Association of Governments (MAG) Freeway System design and construction program for 10 years. His experience includes:*

- Reviewing and interpreting governmental and utility plans and specifications
- Determining and resolving utility conflicts
- Working with consulting engineers, project managers, federal, state and local governmental agencies, utility companies, Irrigation Districts, Flood Control District of Maricopa County and the general public
- Determining prior rights
- Preparing utility relocation agreements
- Working with Assistant Attorneys General and other legal departments ensuring agreements met all project and legal requirements,
- Monitoring utility progress ensuring ADOT schedules were met and budgets met
- Working with Project Managers, Resident Engineers and contractors to ensure ADOT interests were preserved
- Assisting in project budget preparation and reviewing utility and agency invoices to confirm billing accuracy

**MAG Freeway projects completed while with ADOT:**

Senior Utility Coordinator, ADOT, Utility Coordination, Relocation of all impacted utilities and made arrangements and collected for betterments when installed, MAG *Agua Fria Freeway*, seven miles, ADOT, Phoenix & Glendale, AZ multiple project numbers, audited and approved payment of all reimbursement.

Senior Utility Coordinator, ADOT, Utility Coordination, Relocation of all impacted utilities and made arrangements and collected for betterments when installed, MAG *Pima Freeway*, 27 miles, ADOT, Salt River Pima-Maricopa Indian Community, Phoenix, Scottsdale & Tempe, AZ, multiple project numbers, audited and approved payment of all reimbursement.

Senior Utility Coordinator, ADOT, Utility Coordination, Relocation of all impacted utilities and made arrangements and collected for betterments when installed, MAG *Price Freeway*, seven miles, Tempe, Mesa & Chandler, AZ, multiple project numbers, audited and approved payment of all reimbursement.

Senior Utility Coordinator, ADOT, Utility Coordination, Relocation of all impacted utilities and made arrangements and collected for betterments when installed, MAG *Red Mountain Freeway*, 21 miles, Tempe & Mesa, AZ, multiple project numbers, audited and approved payment of all reimbursement.

Senior Utility Coordinator, ADOT, Utility Coordination, Relocation of all impacted utilities and made arrangements and collected for betterments when installed, MAG *Santan Freeway*, 29 miles, Phoenix, Maricopa County, Chandler, Gilbert & Mesa, AZ, multiple project numbers, audited and approved payment of all reimbursement.

Senior Utility Coordinator, ADOT, Utility Coordination, Relocation of all impacted utilities and made arrangements and collected for betterments when installed, MAG *SR 51 Squaw Peak Parkway (now Piestewa Freeway)*, six miles, Phoenix, AZ, multiple project numbers, audited and approved payment of all reimbursement.

Senior Utility Coordinator, ADOT, Utility Coordination, Relocation of all impacted utilities and made arrangements and collected for betterments when installed, MAG *landscaping entire 139-mile MAG Freeway system*; all municipalities listed in above projects, multiple project numbers, audited and approved payment of all reimbursement.

**Utility Coordinator, Arizona Public Service (APS) Company.** A great portion of Mr. Field's knowledge, skills and abilities come from his tenure at APS coordinating numerous governmental projects. He coordinated utilities on projects including the I-10 projects through the heart of Phoenix. He also managed the relocation of APS facilities for the *East Papago (now Red Mountain) Freeway through east Phoenix and north Tempe, and the Squaw Peak Parkway (now Piestewa Freeway, SR51) through central Phoenix neighborhoods.*