



I-17/CAREFREE HIGHWAY TRAFFIC INTERCHANGE

2009 Arizona Transportation Partnering Excellence Award
Construction Category: Roadway (\$5–\$25 million)



Submitted by Pulice Construction, Inc. in association
with the Arizona Department of Transportation



Project Team and Key Stakeholders

Successful project reflects outstanding partnering effort

- ▶ The Arizona Department of Transportation
 - Phoenix Construction District
 - Pulice Construction, Inc. and its subcontractors
 - Valley Project Management
 - HDR – final design consultant
 - Environmental Planning Group
 - Communication and Community Partnerships
 - Lewin & Associates – public information consultant
 - RH & Associates, Inc. – partnering consultant
- ▶ Other key project stakeholders, including:
 - Maricopa Association of Governments (MAG)
 - City of Phoenix
 - Arizona Game and Fish
 - Arizona Public Service (APS)
 - Ben Avery Shooting Facility
 - Tramonto Community
 - Anthem Community




Establishing the Partnership

Project charter and goals established at Partnering Workshop


Project Charter

The partners of the Phoenix – Cordes Junction Hwy (I-17) Carefree Highway TI commit to working together in a professional manner to complete a successful project while accomplishing the stated partnering goals.


- **Budget**
 - Profitable
- **Schedule – August 2008**
 - Look for opportunities to complete early
 - Good communication
 - Timely responses and submittals
- **Quality**
 - Meet and exceed standards
 - Pride in workmanship
- **Communication**
 - Open and honest
 - Ensure horizontal and vertical communication occurs in all organizations
- **Issue resolution**
 - Timely
- **Team work and Relationships**
 - Respect
 - Focus on working relationships
- **Timely Paperwork**
 - Accurate and complete
 - Prior approvals as required
- **Safety Awareness**
 - Zero lost time
 - Adequate T/C
- **Keep the Public Informed**
 - Construction team communicates with the Public Information team
 - Good communication with the Jomax/Dixileta project



M. K. To...
Suz...
DLB
M...
WML



Sue Lewin
C...
W...
M...
Eula Hill



Eric Killman
L...
C...
S...
J...

Partnering Goals

Tracked and evaluated via Partnering Evaluation Program (PEP) process rating

Budget	✓ Profitable
Schedule	✓ Look for opportunities to complete early ✓ Good communication
Quality	✓ Meet and exceed standards
Communication	✓ Open and honest ✓ Ensure horizontal and vertical communication occurs in all organizations
Issue Resolution	✓ Timely
Teamwork and Relationships	✓ Respect ✓ Focus on working relationships
Timely Paperwork	✓ Accurate and complete ✓ Prior approvals as required
Safety Awareness	✓ Zero lost time ✓ Adequate traffic control
Keep the Public Informed	✓ Construction team communicates with the ADOT Communication and Community Partnerships Team ✓ Good communication with Jomax/Dixileta project



Example of Issues Resolution Process

Demolition of the existing Carefree Highway bridge over I-17

▶ Challenges:

- Complex, multi-phased project
- Busy interchange with few viable alternative routes
- Extraordinarily heavy weekend usage to and from recreational facilities and northern Ariz.
 - Ben Avery Shooting Range
 - Lake Pleasant
 - Prescott, Cottonwood, Sedona, Flagstaff, etc.
- Requirement to remove existing lead-based paint steel girders

Partnering Facilitated Development of Solutions

- ▶ Multi-discipline team meetings to discuss issues and options — included representatives from:
 - ADOT Phoenix Construction District, Valley Project Management, Environmental Planning and Communication and Community Partnerships (CCP)
 - Pulice Construction, Inc.
 - ADOT's consultants
 - HDR
 - Lewin & Associates
- ▶ Developed plan to use on/off ramps to re-route traffic around construction site
- ▶ Developed revised work plan to minimize the original plan for up to 55-hour freeway closure

Included Proactive Public Outreach

- ▶ Project signage featured 24-hour project hotline
- ▶ ADOT CCP team initiated major outreach campaign to provide advance notice to public:
 - Email updates to more than 2,000 subscribers to ADOT's I-17 mailing list
 - Traffic restriction notice on ADOT Web site
 - Phone calls to elected officials and key stakeholders well beyond project limits
 - News releases and media outreach
 - Flyers prepared and distributed at major destinations, including Ben Avery Shooting Range and Lake Pleasant

Successful Outcomes

- ▶ Demolition of the bridge was completed and I-17 mainline traffic restored in 17 hours!
- ▶ Key stakeholders were kept informed
- ▶ CCP team handled more than 400 project hotline calls
- ▶ Media coverage and public opinion was favorable on how ADOT and Pulice Construction, Inc. managed the demolition and associated traffic restrictions
- ▶ Issues Resolution Ladder was instrumental in enabling team to address and resolve issues



- ▶ Demolition of the Carefree Highway bridge over I-17 was successfully accomplished in record time, utilizing a safe and efficient process.

Good Partnering = Key to Success



- ▶ Resulted in a successful, award-winning* project that:
 - Met and frequently exceeded ADOT's expectations
 - Addressed the needs of the traveling public
 - Exceeded the expectations of key stakeholders with regard to the potential impacts of construction

* Also awarded APWA AZ Chapter 2009 Project of the Year in the Transportation (\$5-\$25 million) category.