**Project Overview**:

Re-grade project of Quail Road beginning at Pioneer Road to the intersection with Buckhorn Drive providing south end access to Weaver Mountain, Frontier Road and Legacy Lane, and then Buckhorn Drive completely around the Loop past Hidden Trail, over Buckhorn Creek and back to the top of Buckhorn Drive in Peeples Valley. This is being done in the interest of improving access for Public Safety Agencies including Law Enforcement, Fire and EMS, improving access and drivability in all weather conditions, improving evacuation routes in the event of fire or other disaster and potentially providing the Fire District with improved fuel breaks as control lines in event of wildland fire in our Fire District. The County of Yavapai does not maintain or assist in maintaining these roads since these are designated private roads that do not meet County Road Standards.

2.25 miles of damaged, narrow, rough and seasonally slick areas require remediation. Drainage shall be improved and the development of passing areas for two way traffic. The work performed would include;

* Contractor to notify and utilize Arizona 811 Underground Utilities Locator for Blue Stake
* Contractor will provide additional Insurance for and Indemnify Project Manager and Supervisor for Contractors actions
* Removing large rocks or boulders from the roadway wherever possible or necessary
* Widen and improve the road surface to 24 feet where possible and push brush back to legal easement lines
* Establish the proper road crown or slope to improve drainage, minimum 3 to 5 percent
* Re-establish proper shoulder drainage by removing berms to re-establish natural flow placing material onto roadway
* Provide proper drainage to existing culverts
* Install culverts where indicated
* Improve Bar ditches where needed set at 3 to 1 grade
* Remove clay cap problems in two locations, remediate in attempt to stabilize expansive clay surface soils
* Water and compact the road surface
* Invoices will be paid as they are submitted

**Maps 1 and 2 will provide numbered location and description of Milestones and Deliverable Components to be met**

**Milestones**

Milestone 1. Acceptance of Project and Deposit Payment to Contractor for Service

Milestone 2. Notification of Arizona 811 and Approval to dig

Milestone 3. Contractor on site, Pre-Construction Conference

Milestone 4. Map #1 completed by Contractor

Milestone 5. Map #2 completed to 17501 Buckhorn Drive

Milestone 6. Map #2 completed to 17700 Buckhorn Drive

Milestone 7. Map #2 completed to 18502 Buckhorn Drive

Milestone 8. Map #2 completed to the Balance of Buckhorn Drive

Milestone 9. Completion and Acceptance of Project

Milestone 10. Payment for Project Completion with no Retainment of Balance of Payment

**Deliverables Map 1**

Map 1 Numbers 1 through 6 are NEW CULVERT PLACEMENTS and final location may be adjusted by Supervisor or Management after discussion with Contractor.

**Deliverables Map 2**

Map 2 Numbers 7 through 13 are descriptors for desired action at that general location

All road widths are to be 24 feet across to easements wherever possible measuring 12 feet centerline to road edge on existing roadbeds, jackpot brush piles with minimal soil inclusion

All roadways to be crowned 3 to 5 percent centerline to easement or bar ditch where possible

Bar Ditches to be 3:1 grade across

Berms removed to provide natural flow, this berm spoil or material will be utilized on road bed

Map 2, #7 Road width 24 feet measuring 12 feet centerline to road edge on existing roadbeds where ever possible and crowned 3 to 5 percent, centerline to easement or bar ditch

Map 2, #8 Reshape the roadway, removing boulders where possible

Map 2, #9 Remove berm, use on roadbed, bar ditch 3:1 to culverts, crown 3 to 5 percent, add material if needed

Map 2, #10 Remove berm, use on roadbed, bar ditch 3:1 to culverts, crown 3 to 5 percent, add material if needed

Map 2, #11 Lower grade at top of hill moving material to bottom of the grade to reduce incline

Map 2, #12 Bring drainage to culverts

Map 2, #13 Brush and back slope to easement for natural drainage

Map 2, #14 Fix slope and run drainage to natural

Map 2, #15 Grade existing road bed

 Map 2, #16 Brush back to Barbed Wire on south, grade to spec.

**Scope and Technical Details**

Scope of the project includes work on roadway beginning on Quail Road at South Pioneer Avenue up to and around the Buckhorn Loop Approximately 2.25 Miles, utilizing earthmoving equipment including bulldozers, excavators, road graders, water trucks and compactors as necessary.

Imported or onsite Material used as fill or base to be agreed upon by Project Manager and Contractor. Onsite material is preferred.

Final grading to be completed using Road Grader

Final Compaction using water truck with spray bars is desired

**Project Timeline**

All work on this project shall be completed within two weeks as it will impact a future Fire Department Project. Changes to the timeline must be discussed with and agreed upon by management.

**Management and Administration**

Project Manager: Raymond Paiz, 18331 S. Hidden Trail, Peeples Valley, AZ 86332. Phone (760)668-2148. Email raypaiz2@verizon.net

All change orders will require discussion and agreement by and with the Project Manager and Contractor.

Payment in full will occur upon completion of all Deliverables and mutual agreement between Project Manager and the Contractor. There shall be no Retainment of fees by the Community.