

Woodson's Public Works Projects Cover a Wide Area

Woodson provides on-call and City Engineering services to a wide variety of municipalities and agencies throughout the northern half of Arizona. This type of service has been a specialty for our firm for over 27 years. Below is a summary of examples of recent projects.

In Gila County we prepared construction plans and bid packages for three paving and drainage improvement projects. Pictured is the Mesa Del Caballo project which included removal and replacement of all existing asphalt and base materials and new culverts (photo 1).

We managed a project for the City of Winslow to install new flow meters for six of the City's municipal wells (photo 2). This has greatly improved monitoring capabilities and enabled more responsive detection of any potential system losses.

We designed, and are managing a project for the City of Williams that was funded by both WIFA and CDBG funds. The Homestead project (photo 3) involves waterline and water service replacements, fire hydrant replacements, pavement replacement, and stormwater improvements. Another waterline project is the Dogtown Waterline (photo 4) which is a new 15 mile dual waterline for the City of Williams, funded by a WIFA loan.

We know the procedures required for managing, reporting, and administering grant-funded projects as many of our projects have received WIFA support, federal CDBG or FHWA dollars.



As City Engineer we assist with WIFA grant applications, provide construction administration, and administration of CDBG projects.

A recent CDBG project in Springerville (photo 5) involved the construction of a walkway around Town Hall park, ADA accessible paths at numerous access points into the park, and electric ADA door openers. Woodson provided survey, construction plans,

bid package, and post design services.

We provided a Pavement Assessment Report to Northern Arizona University that assessed the existing conditions, use, recommended treatment, costs and prioritized projects. We continue to provide ongoing pavement optimization services for streets and parking lots across the entire NAU campus (photo 6). ♦

Join our Team!

We are projecting continuing growth in our business and as such we have job openings at all levels! This includes entry level, mid level, and project management level openings. If you are interested, please see detailed job descriptions on our website (woodsoneng.com/about-woodson/employment.html) or forward to anyone you think might be interested! ♦

ENR Southwest Top Design Firm

Woodson has made the ENR 2021 list of Top Design Firms in the Southwest. It's unusual for a small firm serving primarily rural areas and clients to make the list and we thank our many clients who helped make 2020 a strong year for the firm. ♦



Stormwater Management

We provide stormwater management, drainage reports, and hydraulic and hydrologic analyses. Our team of engineers and surveyors includes a Certified Floodplain Manager; with this expertise we can also bring FLO-2D modeling software services to our clients. FLO-2D software is a powerful tool that can generate 2-dimensional dynamic flood routing models that simulate channel flow, unconfined overland flow, and street flow. It can also simulate a flood over complex topography and roughness while reporting on volume conservation.

Recently we have been working for the City of Flagstaff on multiple stormwater-related projects. We developed stage-discharge rating tables for certain ephemeral streams for the City's hydrologic study. The scope of our work included topographic surveys, and developing rating tables at various culvert crossings with staff gauges and ALERT network gauges. The culvert crossings were analyzed using HEC-RAS, HY-8, and StormCAD as applicable for the culvert hydraulics.

We also provided scoping-phase services for the City of Flagstaff to update

its Stormwater Manual to identify sections within the manual to be updated. Next we will begin updating the Stormwater Manual. ♦



Welcome New Staff

Since our last newsletter we are excited to announce that three new additions have joined the Woodson

team! From left to right: Joianne Meyers is our new Office Manager; Chase McLeod - Engineering Techni-

cian, and Andrew Watson, EIT, is an Engineer-in-Training. ♦



Contact

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