

# The 2024 HUB Build Northwest Awards Entry Form - Contractors



## PROJECT TYPE

**CHECK ONE** (See **Project Category** section in Entry Packet for detailed descriptions of each project type.)

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Building (under \$10 million)       | <input type="checkbox"/> Heavy & Utilities | <input type="checkbox"/> Small Projects   |
| <input type="checkbox"/> Building (\$10 million and over)    | <input type="checkbox"/> Sub-Contractor    | <input type="checkbox"/> Special Projects |
| <input checked="" type="checkbox"/> Highway & Transportation | <input type="checkbox"/> Out of Area       |   |

## CHECK ONE

- |   |                                     |
|---|-------------------------------------|
| <input type="checkbox"/> New Construction | <input type="checkbox"/> Renovation |
|---|-------------------------------------|

## CONTRACTOR INFORMATION

Must be an Inland Northwest AGC member in good standing

Company Name (list all if a joint venture): N.A. Degerstrom

Entry Submitted By: Scott Aylor Title: Project Manager

Email: saylor@nadinc.com

## PROJECT TEAM INFORMATION

Owner: The City of Spokane Valley

General Contractor: N.A. Degerstrom

Lead Architect: Not Applicable Lead Engineer: Glenn Ritter

Major Sub-Contractors: Colvico, WM Winkler, Poe Asphalt

## PROJECT INFORMATION

Project Name: Pines & Mission Intersection Improvements

Location: Intersection of Pines Road and Mission Avenue, Spokane Valley WA

Contract Amount: \$1,708,987.00

Date Project Started: April 15th, 2024

Completion Date: August 21st, 2024

What was the percentage of volume of work on this project performed with your own field personnel? 60 %

Were there any fatalities on this project?  Yes  No

Attach additional sheets if necessary

Send this form and your completed entry package to:

Inland Northwest AGC  
Build Northwest Awards  
4935 E. Trent Ave.  
Spokane, WA 99212

All entries must be received no later than 4:00 pm on November 1, 2024 at the AGC office. There will be no exceptions or extensions.



## HIGHWAY AND TRANSPORTATION

N. A. Degerstrom, Inc.  
Build Northwest Awards Submission 2024  
Project: Pines & Mission Intersection Improvements  
Spokane Valley, WA  
Owner – The City of Spokane Valley

### Project Summary

The Pines & Mission Intersection Improvements project should receive a Build Northwest Award due to the complex construction phasing and coordination. This project required the relocation of high-power electrical utility service and poles, replacement of existing traffic signals with a temporary 4-way traffic signal system, and replacement of several existing traffic signal poles - just in the first week. All of that initial work, and the remainder of work in the 70-day schedule, was also performed within tight quarters in and around one of the busiest intersections in Spokane Valley - under traffic, without incident, and ahead of schedule.

With the temporary traffic signal system fully operational, the work transitioned to night shifts and the heavy excavation of sidewalks, the large retaining wall area, and eventually a large portion of Pines Road southbound and all of Mission Avenue stretching about 500 feet west of the intersection. Forming and pouring of sidewalks and large sections of retaining wall, grinding and repaving the asphalt on Pines Road and Mission Avenue all followed. Despite many changes, N.A. Degerstrom's crew completed it all ahead of schedule.

Just as the final touch of asphalt was laid down on Mission Avenue, an existing water utility main line broke underneath the road and caused significant damage to a large portion of the newly paved asphalt. With about a week until the intersection was scheduled to reopen, the N.A. Degerstrom field crew was able to excavate the damaged area, regrade and compact, and repave the road section ahead of the schedule for reopening the road to public traffic.

The Spokesman-Review published an article on May 27<sup>th</sup>, 2024 praising the project, with a quote from the Applebee's lot owner Jamie Wolff, who said: "This project is going exceedingly well." Road projects in high-traffic commercial business areas like this rarely receive praise from the public. The N.A. Degerstrom Public Liaison was commended by many of the businesses for keeping them informed of coming changes in the traffic control configurations. One of the motivating factors that led Wolff to pick up the phone was the minimal impact to the businesses who are his tenants. Wolff said: "I think the city deserves accolades rather than always whining and complaining".

## Project Narrative

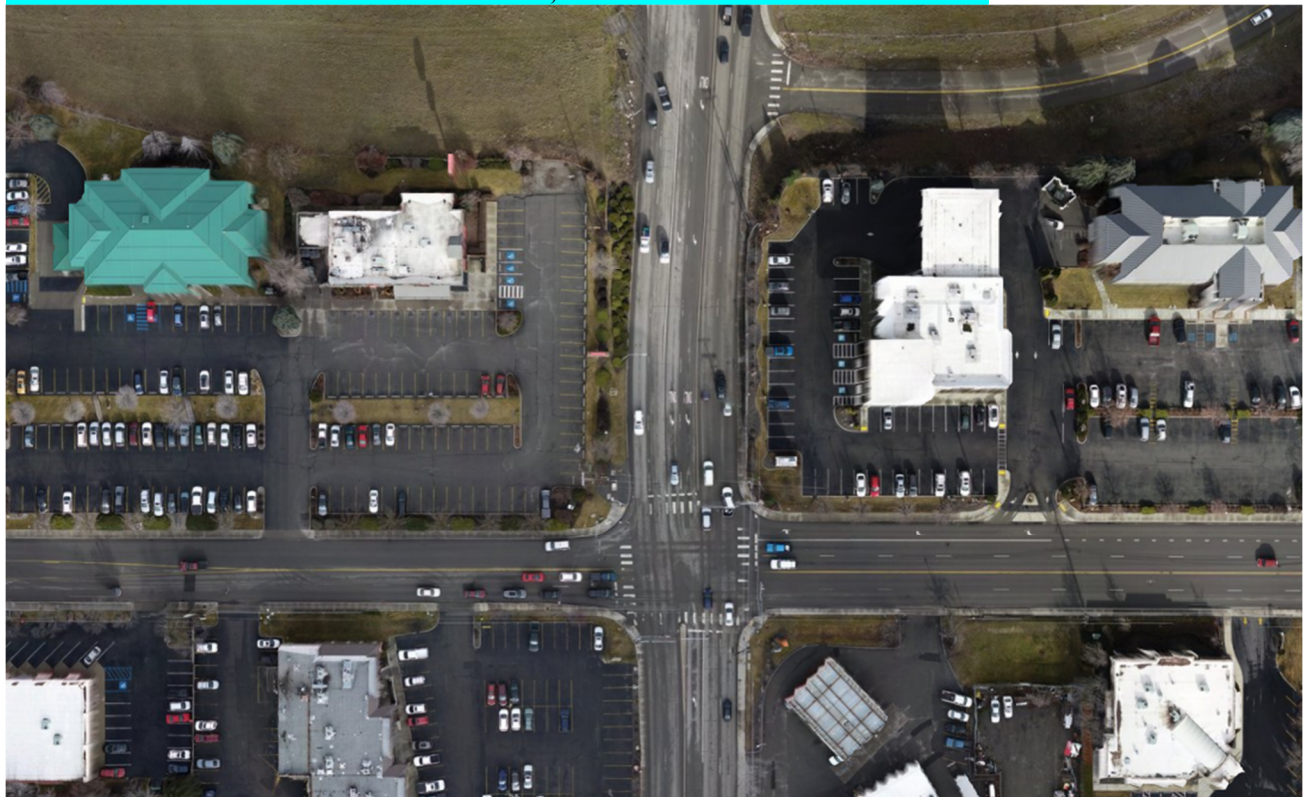
The intent of the Pines & Mission Intersection Improvements project was to increase safety, reduce congestion, and improve overall traffic flow at the intersection of Pines Road and Mission Avenue in Spokane Valley. The City of Spokane Valley designed the addition of improvements including:

- A dedicated right-turn lane on southbound Pines Road for motorists turning west onto Mission Avenue, including the addition of a retaining wall and landscaping along southbound Pines.
- Two dedicated left-turn lanes on eastbound Mission Avenue directing motorists onto northbound Pines Road.
- Restriping of the intersection to change the left through-lane on westbound Mission Avenue into a dedicated left-turn lane onto southbound Pines Road.
- Upgrade of the traffic signals and operations to improve traffic flow through the intersection and reduce congestion.
- Stormwater drywell and catch basin additions and replacements.

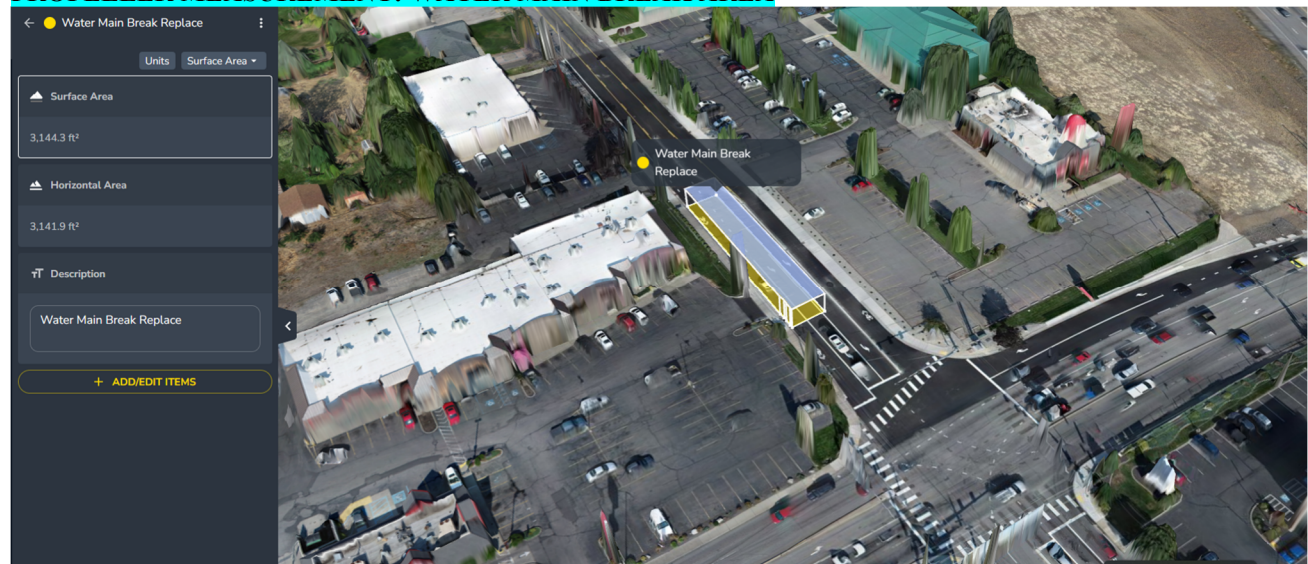
Performing and coordinating all the above work in one of the busiest intersections in the Spokane Valley was definitely challenging, especially when modifying the traffic signals controlling the flow of the traffic through those busy streets. Multiple phasing of different traffic control configurations switching from day shifts to night shifts and back and forth, also added to the complexity of the sequencing. To set up the temporary traffic signal system, the existing system had to be completely taken offline, which also first required the relocation of several power poles and the transfer of electrical power from the existing signal poles to a new main power pole. This required close partnering with The City of Spokane Valley for additional traffic control plans and guidance from their traffic engineers, along with close coordination with our electrical subcontractor Colvico, the electrical utility, and North Star traffic control – all in a very tight window. The power poles were moved, the temporary traffic signals positioned in place, and then the existing traffic signal system was disconnected and the temporary signal system immediately powered up and activated. This could not have been achieved without the stellar leadership of the N.A. Degerstrom Superintendent and crew, and our partnership with the expert traffic control from North Star Enterprises.

A unique construction technique that we utilized on this project in conjunction with our survey department is called Propeller. Propeller is a highly accurate drone-based survey and ground control data capture system paired with a very functional computer application that provides our team with highly accurate survey data of the whole project along its entire timeline. This wonderful tool equips us with the ability to view a three-dimensional model of the project and take precise measurements and takeoffs of any part of the project area, whether large or small, flat or variable surfaced, and two or three-dimensional – even dirt piles can be easily quantified and analyzed once, or even over a period of time. Propeller was an indispensable tool in ensuring the continued success of the project by enabling us to accurately capture quantities, as well as plan and visualize changes with the City of Spokane Valley through each phase.

**PROPELLER SITE SURVEY: FEBRUARY 09, 2024 – PRIOR TO MOBILIZATION**



## PROPELLER MEASUREMENT: WATER MAIN BREAK AREA



## PROPELLER SITE SURVEY: AUGUST 09, 2024 – AFTER SUBSTANTIAL COMPLETION



Despite the unexpected water main break temporarily causing the new pavement on Mission to look like the bubbly volcanic surface one might see at Yellowstone National Park, the final appearance and quality of the overall product is excellent. No one could have foreseen the water line would fail, and the city appreciated our ability to get the area reconstructed in little time. Poe Asphalt was also gracious in reconfiguring their schedule to accommodate the added work on short notice. The asphalt with striping and traffic curbing is clean, smooth, and neat. The cast-in-place retaining wall and surrounding landscaping provide a park-like look to the

northwest corner and Pines Road. The new traffic signal light heads and poles have a more modern and updated look and are helping to keep the hustle and bustle of the busy shopping area free-flowing.

Originally a seventy-day working day duration, the large number of changes and additions to the contract resulted in an extension of 19 additional days. Substantial completion of the project was granted on August 6<sup>th</sup>, 2024 – with just landscaping touches remaining. All major work would have been finished the week of the water line break on July 19<sup>th</sup>, but our crew was still able to have the main contract work completed by July 26<sup>th</sup> the following week. Subcontractor landscaping and minor touches, along with last-minute additions extended the project time to August 6<sup>th</sup> for substantial completion, and physical completion on August 21<sup>st</sup>, 2024 – three days ahead of scheduled completion. The City of Spokane Valley Project Manager appreciated our willingness to shift gears and accommodate the many changes in the project, and our crew's ability to stay ahead of the schedule. He was also instrumental in expediting decisions, project meetings, and helping with solving issues.

N.A. Degerstrom's crew performance on this project was exemplary and resulted in zero accidents or injuries. Safety is always paramount at N.A. Degerstrom and our crew did an excellent job of keeping an accident-free work zone in a very busy area with high traffic volume and a lot of other contractors and distractions on site much of the time. Their ability to focus on the task at hand while still being aware of what's going on in their surroundings, allowed our employees to deliver a high-quality product safely, on time, and within budget.

The Pines & Mission Intersection Improvements project has continued to build our excellent relationship with The City of Spokane Valley and our trusted subcontractors, and we greatly appreciate their willingness to partner with us through the changes and issues that arise in civil construction.











<b>WHC</b> ATTORNEYS	<b>VISTA</b> TITLE & ESCROW
<b>BRISBANE</b> EYECARE <small>Dr. Nonette Brisbane &amp; Dr. David Kardah</small>	<b>BECU</b> HOME LOAN CENTER
<b>OFFICE SPACE</b> <b>777-1777</b> AVAILABLE	<b>PNW</b> PACIFIC NORTHWEST CREMATION

**E. 12209**





**VISTA**  
TITLE & ESCROW

**W/C** ATTORNEYS

**BEICU**  
HOME LOAN CENTER

**BRISBANE**  
-EYECARE-  
Dr. Nanette Brisbane & Dr. David Kordish

**PNW** PACIFIC NORTHWEST CREMATION

**OFFICE SPACE**  
**777-1777**  
**AVAILABLE**

**E. 12209**

















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