

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Monday, August, 6, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 57^\circ$, P. Cloudy, Calm

- SEC poured various pieces of concrete near the St. Michael's intersection. These areas include:
 - Sidewalk tying in Campbell Drive intersection.
 - Remainder of the glass seeded border strip near Sentry Hardware.
 - Parking lot tie in at City Market.
- Held internal field staff safety meeting at 11:30AM.
- SEEM continued prepping for curb and gutter and sidewalk concrete in various areas around the project. These areas include:
 - Sidewalk near the Vet (24+75, LT)
 - Curb and gutter near Episcopal Street (30+25, RT)

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Tuesday, August, 7, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: \approx 54°, Cloudy, Lt. Rain

- SEC poured concrete at:
 - Sidewalk near the Vet (approx. 24+50, LT)
 - Curb and gutter along the Bay Company (30+00, RT).
- SEEM installed sanitary sewer service to Rayme's Bar (approx. 33+65, LT)
- SEEM and SEC were building grade and prepping for concrete on the left lane of roadway at the Campbell Drive tie in near Bear Basics in the afternoon.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Wednesday, August, 8, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 57^\circ$, Cloudy, Rain, Calm

- SEEM (Ron and Josh) and SEC prepped for concrete between Campbell Drive and St. Michael's Street. These areas included roadway near Zak's Café (23+00) and City Market (29+00) along with various sections of curb and gutter and sidewalk along this area. No concrete was poured today due to rain.
- SEEM continued cutting retaining wall blocks near the SNO building on retaining wall #1 to provide clearance for the steel reinforced sidewalk.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Thursday, August, 9, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 57^{\circ}$, p. Cloudy, Rain, Calm

- Coordinated with Jon McGraw and Greg McCormack (AML) regarding the cut slope behind that back of sidewalk near 31+00, LT. A cut slope will need to be graded back into the AML lot in order to install new sidewalks near this location.
- SEEM finished cutting down retaining wall blocks at the SNO building (24+25, RT) in preparation for steel reinforced sidewalks.
- SEEM graded for sidewalks near AML at (31+00, LT) and connected the yard hydrant to the installed water service at Totem Park (29+65, LT).

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Diary: Friday, August, 10, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 57^\circ$, P. Cloudy, Rain, Calm

- Throughout the day SEC poured concrete at various areas along the project. These areas include:
 - Approx. 150-feet of the left lane of roadway concrete from the Campbell Drive intersection to approx. 24+00.
 - Approx. 15 yards of a combination of sidewalk and curb and gutter concrete. Sidewalk concrete poured include near the Vet and the St. Michael's intersection. (near 25+00, LT and RT). Curb and gutter included near 29+00.
- Throughout the day SEEM prepped concrete at:
 - Sidewalks on the south side of Episcopal at 30+50, LT.
 - The right lane of roadway between the Campbell Drive intersection and 24+00 (the other side of the roadway from what was poured today)
 - Traffic control devices were adjusted at the Campbell Drive intersection so prep work could take place.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Saturday, August, 11, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 54^{\circ}$, P. Cloudy, Calm

- In the morning SEEM moved the orange safety fencing to direct City Market and Sentry Hardware customers onto the newly poured roadway concrete in front of these buildings. This will allow concrete to work to be completed near the St. Michael's Street intersection.
- SEC poured approx. 64 yards of roadway concrete. Concrete poured includes:
 - The right lane of roadway between the Campbell Drive intersection and 24+00.
 - The right lane of roadway concrete from approx. 27+75, RT to 28+75, RT.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Monday, August, 13, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 52^\circ$, Foggy, Rain, Calm

- SEEM continued coring holes for the installation of signage between Federal Way and Lynch Street.
- SEC and SEEM prepped for sidewalk concrete at various locations near Stephan's Tax, the Bay Company, Sentry Hardware and the SNO Building. (approx. 24+00 – 29+00)
- SEEM installed the final water services on the project. The services included the 4 services near Rayme's Bar (33+50, LT, 33+85, LT (3)) and the service 34+25, RT.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Tuesday, August, 14, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 60^\circ$ in afternoon, Clear, Calm

- Concrete between Campbell Drive and Zak's Café had reached proper strength this morning and Zak's Café was re-opened for vehicle access on the roadway pavement in the morning.
- Throughout the day SEC poured approx 80 yards of concrete at the following areas:
 - Angled parking from approx. 28+90 to 29+60.
 - Right roadway lane from approx. 28+75 to 29+50.
 - Left roadway lane from approx. 24+00 to 25+00.
- SEEM set storm drain structure S-67 in the morning.
- In the afternoon SEEM was excavating for storm drain pipe P-90. As they were excavating for this line they hit and broke the existing AC water main at the crossing location. The current looping of the CBW water system and because this was the last looping point for the fish processing plants on Shakes Street, this water line being broken and temporarily shut off had an impact around town. Before the CBW was able to 're-loop' the water system, the better part of half the City was without water. This only last approx. 30 minutes and the majority of the CBW was back online. The line was broken around 12:15PM and was back online around 1:30PM.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Wednesday, August, 15, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 60^\circ$ in afternoon, Sunny, Calm

- In the morning SEEM began the initial disinfection of the water main between Episcopal Street and Case Avenue. They chlorinated the line and will check the residual concentration in the morning.
- Throughout the day SEEM and SEC prepped for and poured approx. 8 yards of sidewalk and C&G concrete at:
 - Curb and gutter on both sides of the road from approx. 25+25 to 26+50.
 - Glass seeded concrete from approx. 27+75, LT to 28+25, LT.
- SEEM began installing 6-inch water service at approx. 33+00, LT. A 1-inch service was found at this location when excavating for the 6-inch service and was unclear if this 1-inch service should be connected or not. I contacted Rob Armstrong (property Owner) and he confirmed that he did not need the old 1-inch service connected and that the 6-inch service could be capped at the property line.
- SEEM continued installing sign post collars between Federal Way and McKinnon Street.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Thursday, August, 16, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 68^{\circ}$ in afternoon, Sunny, Calm

- In the morning SEC poured approx. 3 yards of glass seeded border strip concrete from approx. 28+00, LT to 29+00, LT.
- Throughout the day SEC and SEEM graded and prepped for concrete at the following locations.
 - Sidewalk on both sides of the St. Michael's intersection curb returns.
 - Roadway pavement between 25+75, LT/RT and 26+25, LT/RT
- Held Public Progress Meeting #21 at 10AM at the Wrangell City Hall. Meeting notes will be distributed once prepared.
- SEC began cutting control joints to proper width and depth near Campbell Drive at approx. 23+50.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Friday, August, 17, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 52^{\circ}$, Lt. Partly Cloud, Rain in afternoon, Calm

- In the morning SEEM filled/graded D1 material to tie in the back of sidewalks with existing ground near the PJ's Flooring and Zak's Café (23+00, LT)
- Throughout the day SEC poured concrete at:
 - SNO Building steel reinforced sidewalk ($\approx 24+25$, RT).
 - Sidewalk near the City Market ($\approx 25+75$, RT to 26+25, RT)
 - Glass-seeded sidewalk from approx. 29+00, LT to 29+75, LT.
 - Right lane of roadway concrete at $\approx 25+75$, RT to 26+25, RT
 - Left lane of roadway concrete from approx. 27+75, LT to 29+75, LT.
- SEEM began grading Episcopal intersection with 2-inch and D1 material in preparation for concrete.
- SEEM continued filling 10-inch material near Rayme's Bar at approx. 33+00.
- Jon McGraw sent the passing bac-t test results from the water main between Episcopal and Case Avenue. SEEM will start connecting the last water services of the project tomorrow.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Saturday, August, 18, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 57^\circ$, Low Clouds, Calm

- SEEM connected the last four water services on the project. These services were between Episcopal and Case.
- SEC poured concrete at:
 - Left lane of roadway concrete at $\approx 25+75$, RT to $26+25$, RT
 - Left lane of roadway concrete from approx. $28+50$, LT to $29+75$, LT.
 - Sidewalk near Sentry Hardware ($\approx 25+90$, LT to $26+15$, LT)
 - Other small sections of sidewalk and glass seeded sidewalk around the SNO Building and the St. Michael's intersection.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Sunday, August, 19, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 52^\circ$, Fog, Calm

- Ron Hansen (SEEM) opened the sidewalk between Sentry Hardware and Episcopal Street. This entire sidewalk is now open on new sidewalk concrete.
- SEC poured the right lane of roadway from approx. 23+75, RT to 25+00, RT.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Monday, August, 20, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 55^\circ$, Cloudy, Calm

- Around 8:30AM the CBW shut off the existing water main to Shakes Street. This line was shut off so the new HDPE water main could be connected to Shakes Street. Around 12:30PM the new main was connected and water service was restored.
- Throughout the morning and afternoon SEC prepped and poured concrete at:
 - The remainder of the curb and gutter for the angled parking near Episcopal Street and the Bay Company.
 - Curb and gutter from approx. 30+50, RT to 31+25, RT.
 - City Market access tie in at approx. 26+25, LT.
- SEEM excavated and prepped for the water main connection to Case Avenue in the afternoon. They plan to make this connection tomorrow.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Tuesday, August, 21, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: \approx 54°, Cloudy, Calm

- Throughout the day Southeast Concrete poured concrete at:
 - Front Street access to the Jenkin's property at approx. 25+25, RT.
 - Sidewalk at approx 25+85, LT at Sentry Hardware.
 - Sidewalk near the Bay Company at 29+75, RT.
- Between approx. 8:30AM and 2PM SEEM made the water main connection to Case Avenue. This is the final water main connection on the project.
 - Once the connection was complete SEEM working on backfilling the water main and cleaning up and prepping the intersection for the final storm drain structure and pipe installations.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Wednesday, August, 22, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: \approx 54°, Cloudy, Calm

- Toby Lockhart, DOWL HKM Designer, arrived on the morning jet. He will be in town for a designer compliance visit and to fill-in for me as Project Engineer for the weekend.
- Ever Electric crew arrived in Wrangell on the morning jet to continue installing electrical facilities along the project.
- In the morning SEEM surveyor notified Rick and I of a grade break near 32+00, RT. Specifically of point #447. This point creates a low point along the curb and gutter but there is not a catch basin/inlet to collect storm water. Toby and I worked to revise grading in that area to eliminate the low point and adjust other affected grades. A directive will be issued to clarify the necessary changes.
- Throughout the day SEEM installed storm drain structures S-66, S-68 and storm drain pipes P-87, P-89 and P-90.
- Throughout the day SEC poured sidewalk in front of the Bay Company at approx. 30+00, RT.

Project Engineer: Toby Lockhart, P.E.

Engineer's Daily Summary: Thursday, August, 23, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 54^\circ$, Intermittent Rain, Calm

- Arrived to project office at 6:30AM.
- Eric Voorhees, left on the morning jet and is scheduled to return on Monday.
- Ever Electric installed luminaire base for L27 and the 2" spare conduit run to J15, and began the installation of spare conduits at the Case Avenue intersection.
- Throughout the day SEEM completed coring out the road to the end of the project, completed re-grading per directive #31, installed the final sewer lateral, and a storm service connection from S-68.
- Throughout the day SEC prepped for Curb & Gutter and sidewalk between Episcopal and Case Avenue and cut contraction joints in the vicinity of the SNO building and City Market.
- Left project office at 5:30PM and returned to finish paperwork at 6:00PM.

Project Engineer: Toby Lockhart, P.E.

Engineer's Daily Diary: Friday, August, 24, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 54^{\circ}$, Mostly Cloudy, Moderate Wind

- Arrived to project office at 6:30AM.
- Ever Electric completed the installation of all remaining spare conduits and junction boxes in the Case Avenue intersection. This was the last of the underground work for Ever on the project. Their efforts will now be focused on pulling wire and setting luminaires and load centers.
- SEEM completed the placement of shot rock borrow through half of the Case Avenue intersection. This will now allow the contractor to access the project from Case Avenue. SEEM also set the last catch basin, S-63. Per the request of the adjacent property owner, Rob Armstrong, 12" CPP P-83 was deleted and a 6" PVC stubout was provided to his lot. SEEM also prepped for curb and gutter and sidewalk just south of Episcopal Street.
- SEC poured 19CY of sidewalk and curb & gutter at the Bay Company and south of Episcopal Street. SEC also continued cutting contraction joints from the SNO building to Lynch Street.
- Left project office at 5:30PM.

Project Engineer: Toby Lockhart, P.E.

Engineer's Daily Diary: Saturday, August, 25, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: \approx 58°, Partly Cloudy, Calm

- Arrived to project office at 7:45AM.
- SEEM successfully pressure tested the remaining two high pressure polypropylene storm drain pipes at Case Avenue, and placed 2-inch minus for the road between Episcopal and Case. SEEM finished for the day before noon.
- Ever Electric spent the day off site prepping for pulling wire and installing luminaire's and load centers. They also de-mobilized some of their equipment used for the underground work which is now complete.
- SEC poured a little over 22CY of concrete. Poured a short section of roadway concrete at 25+00 RT and finished the angled parking in front of the Bay Company at 29+50 RT. Heidi Fredrickson (DOT) was on site performing assurance testing for class A-A roadway concrete.
- Toby Lockhart left Wrangell on the 5:50PM flight. SEC plans to pour a small amount of concrete on Sunday, and no other activity is planned. Rick Aro and Ben Klein will cover the pours.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Monday, August, 27, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: \approx 54°, Cloudy, Calm

- Arrived to project office at 6:30AM.
- SEEM saw cut existing asphalt at Shakes Street as they prepped for 10-inch minus material placement in the intersection. SEEM continued filling 10-inch material at the Case intersection throughout the day.
 - After exposing the CMP which extends down Shake's Street shown to connect to S-69, it was determined that this existing pipe was full of sediment. In coordination with Carl Johnson, a grout plug will be installed in this pipe and not connected to S-69. This existing pipe was not connected due to it being full of soil and it was determined that any future storm drain improvements in the area would likely be independent of this newly installed storm drain system, therefore the connection is not needed.
- SEC continued sealing sidewalk concrete joints between the BOP and Campbell Drive (near Dimond C). They also began sealing the glass seeded concrete per the approved submittal.
- Throughout the day SEC poured concrete at:
 - Glass-seeded border strip around driveway access at approx. 30+00, RT.
 - Curb and gutter from approx. 32+25, RT to 33+00, RT and 32+00, LT to 33+45, LT.
 - Concrete sidewalk from approx. 31+00, LT to 31+40, LT.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Tuesday, August, 28, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 54^\circ$, Cloudy, Rain in morning

- SEEM located and core drilled the valve boxes that were left below grade and concrete poured over the top of at the Elks (approx. 16+15, RT). These valve boxes will be raised and concrete re-poured in the core-out hole.
- Ever Electric pulled wire for luminaires L-25 and L-26. They also began the 5 day burn for luminaires L-13 – L18. These luminaires are now operational.
- SEEM and SEC prepped for concrete at various places between Episcopal Street and Case Avenue.
 - Curb and gutter at the Marine Service Center tie in location (approx. 33+00, RT)
 - Centerline from approx. 29+75 to 32+25.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Wednesday, August, 29, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 57^\circ$, Clear in afternoon, Calm

- Throughout the day SEEM prepped for concrete at the following locations.
 - Roadway pavement between the Episcopal intersection and approx. 32+25.
 - Sidewalks from approx. 32+00 to 33+75 on both sides of the road.
 - Began prepping for curb and gutter at the Case and Front Street intersection.
- Ever Electric installed decorative boots/covers on all luminaires currently installed on luminaire bases.
- SEC continued cutting concrete joints between Lynch Street and Campbell Drive (north). Tim Earl (SEC) said he should be done cutting all concrete joints on the project by this weekend and intends to start sealing concrete joints within a day or two, pending the submittal review of the concrete joint sealant.
- Throughout the day SEC poured concrete at the following locations:
 - Various small sections of curb and gutter between Episcopal and Case. Mostly tying in catch basins between Episcopal and Case.
 - Glass seeded concrete from approx. 30+75, RT to 31+30, RT and 30+10, LT to 30+45, LT.
 - Right lane of roadway pavement from approx. 29+75 to 30+75.

Project Engineer: Eric Voorhees, P.E.

Engineer's Daily Summary: Thursday, August, 30, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 54^\circ$, Cloudy, Rain in morning

- Held Public Progress Meeting #22 at 10AM. Meeting notes will be distributed once prepared.
- SEEM filled planters with topsoil at the Lynch Street and St. Michael's Street/City Market intersection. In coordination with the CBW, the planters at St. Michael's/City Market and on the west side of Lynch Street will not be capped with D1. Only the upper layer of geotextile will be placed and secured down to stabilize soil. This will prevent the removal of the 2-inch lift of D1 when these planter areas are planted soon by local businesses.
- SEC continued cutting concrete control joints between McKinnon and the cul-de-sac (BOP). All concrete joints should be cut by tomorrow.
- In the morning SEC stripped the roadway concrete forms from yesterday's pour and moved down the road in preparation for pouring more of the right lane of roadway concrete.
- In the afternoon SEC poured half of the left lane of the Front Street and Episcopal Street roadway concrete tie-in. This included concrete from approx. 29+75, LT to the centerline of Episcopal Street.
- Yesterday SEEM/SEC prepped and repoured concrete around the 6-inch valve boxes that were located and raised at the McKinnon Street intersection. They also poured the concrete ring around SSMH A-4 that had cracked and broke apart early in the project.

Project Engineer: Brad Doggett, P.E.

Engineer's Daily Summary: Friday, August, 31, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 62^\circ$, partly cloudy

- SEEM graded and placed the leveling course for sidewalk and curb just north of the Case Avenue intersection. Their crew left site at 11:30.
- SEC poured a lane of roadway curb at the Saint Michaels Street intersection.
- SEC poured sidewalk near the NE corner of City Market, a small section across from the Diamond C Café, and a section of curb north of Case Avenue.

Project Engineer: Brad Doggett, P.E.

Engineer's Daily Summary: Saturday, September, 1, 2012

Project No: 68828/HPRM-0003(135) & 67789

Project Name: Wrangell Road and Utility Improvements

Weather: $\approx 60^\circ$, partly cloudy

- SEC stripped the concrete forms from yesterday's pour.
- SEC formed and poured curb at the Case Avenue intersection.
- SEEM graded and placed the leveling course for sidewalk between the Episcopal and Case intersections.
- SEEM placed geotextile fabric and leveling course for the planter areas at Campbell Drive (north).