

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Diary: Monday, June 4, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^\circ$ , Partly Cloudy, Sunny, Calm**

- Early in the morning Ron, Rick, Mike and I discussed the SS services at 27+92, LT and 27+93, LT. At this location SSMH B-2 is shown to be removed and two services are shown to be installed. A line flows into this MH from the north and east side. The line that flows in from the north side will be connected via one of the saddles noted above. The service entering the manhole from the east, which is not shown on the plans, will be connected directly into SSMH A-11.
- SEEM surveyors installed grade stakes between approx. Wells Fargo and Lynch Street in preparation for concrete work.
- SEC poured sidewalks near the Otteson Store and Totem Bar. This are will be able to opened to foot traffic tomorrow.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Tuesday, June 5, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather: ≈ 45°, Partly Cloudy, Lt. Rain, Calm**

- SEEM worker tightened up traffic and pedestrian control along the project for a few hours in the morning.
- SEEM bore flushed water main between St. Michael's and Episcopal at 1:00PM.
- SEEM workers worked on installing the fire hydrant at approx. 26+65 SEEM filled 10-inch material near 20+50.
- Held DOT CA Team Safety Meeting at 12:00PM.
- In the morning SEEM crew that was working down-station on the project in preparation for concrete work set rings on S-36 that was previously installed. They also began final grading 2-inch minus and D-1 material in preparation for concrete between approx. 16+25 to 18+25.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Wednesday, June 6, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx$  45°, Partly Cloudy, Lt. Rain, Calm**

- SEEM placed and graded D-1 material in the morning for concrete pouring tomorrow.
- Art Dunn, DOT Permit and Compliance Reviewer, arrived on the morning jet for a site visit. Art and I did a walk-through of the site and discussed various SWPPP concerns with Mike Ashton. No significant action items were identified.
- SEC poured approx. 5 yards of sidewalk concrete (both broom and glass seeded finish) near Ottesons, the Totem Bar and Wells Fargo (approx. 17+00)
- SEEM conducted initial pressure test on water main between St. Michael's Street and Episcopal Street.
- SEEM disinfected the water main between St. Michael's and Episcopal Street. Residual chlorine concentration will be checked tomorrow and bac-t samples collected.
- SEEM workers removed the sidewalk at the down-station side of the Dimond Café, excavated and built the grade back up with material.
- Ever Electric set luminaire L-15 at the corner of the Dimond C Café.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Thursday, June 7, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 45^\circ$ , Partly Cloudy, Rain in Afternoon, Calm**

- SEEM prepping for concrete of the left lane of roadway pavement between McKinnon Street and Lynch Street.
- Held construction progress meeting #17 at 10AM at the City Hall. Meeting notes will be distributed once prepared.
- SEEM installed water services at 27+96, LT and 28+71, LT.
- SEEM installed sewer services at 28+48, LT and 27+93, LT.
- SEC poured approx. 40 yards of roadway pavement on the left lane of the road between approx. 16+25, RT to 17+50, RT.
- SEEM sub-excavated and backfilled for in preparation for sidewalk concrete at Stikine Drug.
- SEEM installed roof drain services to the south side of Stikine Drug and the north side the Wrangell Art Gallery. This drain system included a french drain system to provide sub-surface drainage at Pirate's Cove (approx. 19+25, LT)
- Ever Electric pulled wire between light pole junction boxes near Campbell Drive (north) and McKinnon Street.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Friday, June 8, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 50^{\circ}$ , Lt. Rain in Afternoon, Calm**

- SEEM prepping for sidewalk concrete at 18+50, RT, curb and gutter near 20+00, RT and roadway pavement on the left lane at approx. 18+00, LT.
- SEEM installed water service at Stephan's Tax, Lot 18, at approx. 28+85, LT.
- SEEM installed sewer service to Stephan's Tax, Lot 18, at approx. 28+85, LT.
- SEC poured approx. 34 yards of roadway pavement on the right lane of the road between approx. 16+25, LT to 17+00, LT.
- Ever Electric set load center near LNM Gas station and the Elk's (approx. 15+55, RT)

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Saturday, June 9, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather: ≈ 50°, Lt. Rain in Afternoon, Calm**

- SEEM sub-excavated, filled 10-inch material and compacted for sidewalks on the left side of the road between approx. 19+50 and 19+75.
- SEC formed and prepared for pouring curb and gutter between approx. 19+50, RT and 20+75, RT.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Monday, June 11, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx$  50°, Lt. Rain, Calm**

- Bac-t results of the water main installed between St. Michael's Street and Episcopal Street came back satisfactory.
  - Throughout the day SEEM connected two previously installed at approx.. 27+98, LT. Water services at 28+48, LT, 29+09, LT and 29+60, LT were also installed.
- SEEM crew began installing SS service via saddle at 29+60, LT (RT at SS main).
- SEEM crew was excavating to install SD structure S-35. This structure is shown to be installed very close to SSMH A-7. Due to field conditions this structure was replaced with a Type A inlet.
  - While excavating for S-35 a SS service was found entering the SS main approx.. 3-feet upstream of MH A-7. This service was not connected to anything near the property line. This service was cut and capped so A-35 could be installed.
  - The 30-inch CMP pipe called to be connected into this structure via P-42 was actually a 24-inch CMP pipe. After cutting this CMP pipe and looking into the pipe two 6-inch PVC lines were stubbed through a headwall approx. 10-feet up the CMP pipe. Rather than connecting the CMP pipe into the inlet, the CMP pipe will be removed and the PVC lines will be connected into the structure directly.
- Once the inlet above was set, SEEM began excavating for pipe P-41. A PVC sewer service was found crossing the alignment of P-41 at approx. 21+15, LT. After cutting this SS service it was found to be not active. This service was cut and capped beyond the trench of P-41.
- Throughout the day SEEM removed existing concrete sidewalk between approx. 20+50, LT and 21+00, LT.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Tuesday, June 12, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 46^{\circ}$ , P. Cloud, Calm**

- SEEM backfilled the SS service installed yesterday at 29+60, LT (RT at SS main).
- SEEM installed, bedded and backfilled P-41, P-43.
- SEEM installed roof drain services at 20+96, LT and 21+54, LT.
- The two PVC pipes found yesterday within the 24-inch CMP pipe at structure S-35 were determined to be part of a French drain system. When water was ran down roof drains on the properties that abut this structure, the water ran through pea gravel that the pipe is bedded in. The PVC pipes themselves were also full of pea gravel. Rather than connecting these PVC pipes directly to S-35, a 12-inch CPEP pipe was fit over these PVC lines and connected to S-35. Drain rock and geotextile fabric were placed at the end of the CPEP pipe to prevent soil from filling the pipe but allow infiltration.
  - A saddle tee was installed on this CPEP pipe and a roof drain installed to the corner of the building at 21+50, LT.
- SEEM connected water services at 29+11, LT and 29+15, LT.
- SEEM partially installed the sewer service at Lot 18 at approx. 29+00, LT but was not able to finish because they didn't have all of the fittings.
- SEC poured curb and gutter at approx. 19+25, RT to 20+50, RT and between approx. 18+00, LT and 18+75, LT
- SEC poured roadway pavement on the left lane between approx. 17+10 to 17+60 and on the right lane between approx. 17+50 to 18+35.



**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Wednesday, June 13, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 50^\circ$ , Lt. Rain, Calm**

- SEEM removed SSMH B-3.
- SEEM completed sub-excavation to the Campbell Drive intersection.
- SEC formed and poured curb and gutter (approx. 4 yards) on the south side of the Lynch Street intersection.
- SEEM graded for curb and gutter between approx. 20+00 to 21+50, LT.
- SEEM installed structure S-54 and P-67.
- SEEM excavated to the bottom of sub-grade between approx. 28+75 and 29+75 and began laying geotextile fabric.
- Ever Electric installed conduit run between approx. 27+75 to approx. 30+00, LT.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Thursday, June 14, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 46^\circ$ , Scattered showers throughout the day, Calm**

- In the morning SEEM prepped/graded sidewalks for concrete near the Totem Bar and the north side of the Lynch Street intersection.
- Late in the morning and early afternoon SEEM prepped/graded for curb and gutter concrete from approx. 19+50, LT to 20+50, LT.
- SEEM excavating to remove SSMH B-2.
- SEC poured curb and gutter from approx. 19+50, LT to 20+50, LT. They also poured glass seeded sidewalks on the corner of Lynch at 18+50, RT.
- SEEM connected City Market fire line at 28+60, RT to the new water main.
- SEEM installed SD structure S-53.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Friday, June 15, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 48^\circ$ , Showers and breezy in the afternoon**

- SEEM pressure washed and waterproofed (MiriDry) SSMH A-8.
- SEC prepped sidewalks on the north side of Lynch Street in the morning and poured them throughout the morning and afternoon.
- SEC poured curb and gutter in front of Pirate's Cove (19+25, LT).
- SEEM installed PVC roof drains at 29+02, LT.
- Placed 10-inch minus material near Episcopal Street.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Saturday, June 16, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 51^\circ$ , Lt. Rain, Calm**

- SEC striped and stacked concrete forms from pours during this week. SEC also prepped sidewalks (approx. 18+00, LT) for concrete pouring for next week.
- SEEM graded and prepped for concrete sidewalks pouring near approx. 19+50, LT and 20+50, LT.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Monday, June 18, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^{\circ}$ , Scattered Clouds, Sunny, Calm**

- Provided Mike Ashton draft directive regarding electrical changes on the project.
- SEEM pressure washed and water-proofed SSMH A-11.
- SEC prepped and poured concrete sidewalks in front of the Stikine Drug (19+00, LT)
- SEEM filled and graded 2-inch material in roadway between Lynch and Campbell Drive in preparation for concrete.
- SEEM cut and capped existing water main at approx. 28+56, LT so new fire line could be installed.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Tuesday, June 19, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 51^\circ$ , Partly Cloudy, Sunny, Calm**

- Throughout the day SEEM graded the Lynch Street intersection and the right lane of roadway between Lynch Street and approx. 21+00.
- SEC poured approx. 53 yards of roadway concrete from approx. 17+75, LT to 18+50, LT and 18+50, RT to 18+75, RT and the north side of the Lynch Street intersection.
- SEEM installed SS clean-out to SS service at approx. 27+68, LT. This service was found capped below grade. A cleanout was installed and its capped location will be as-built for future use.
- SEEM graded right lane of roadway for concrete pavement between Lynch Street and approx. 21+00.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Thursday, June 21, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 50^\circ$ , Steady rain in the morning then sunny in afternoon, Calm**

- Ricki and I met at the project office early to measure concrete sidewalks prior to much foot traffic along the corridor.
- SEEM prepped sidewalks near the Wrangell Art Gallery and Stikine Drug for concrete in the morning.
- After morning rain quit, SEC poured approx. 63 yards of roadway and glass seeded sidewalk concrete throughout the day.
  - SEC poured approx. 60-feet of roadway pavement on the south lane of the Lynch Street tie in.
  - SEC poured Front Street roadway pavement from approx. 18+75, RT to 20+25, RT.
  - SEC poured glass seeded sidewalks at near Stikine Drug and the Wrangell Art Gallery.
- Carl Johnson (CBW) has mobilized a consultant to assist in the decommissioning and removal of regulated underground storage tanks at 22+75, LT at the old Jitterbug gas station. One of these tanks was in conflict with the load center scheduled to be installed with this project. By tomorrow all tanks should be removed and excavations backfilled.
- In the afternoon SEEM completed the sub-excavation of the alley across from Lynch Street. In coordination with Carl Johnson and during the sub-excavation, a footing drain that is installed on the 'alley side' of Mike Symons Building (Lot 9 at 18+35, LT) was connected to the existing catch basin beside Stikine Drug at 18+55, LT.
- In the afternoon SEEM prepped sidewalks along 20+50 and 21+00, LT.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Friday, June 22, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 50^{\circ}$  in morning and  $65^{\circ}$  in afternoon, Sunny, Calm**

- SEEM replaced lid on SSMH A-11. This MH called out to have the lid replaced with a 2'-0" eccentric cone.
- Throughout the day SEC poured concrete at various locations.
  - A section of the right lane of pavement at the Lynch Street tie in was poured at approx. 18+90, RT.
  - Broom finish sidewalks were poured at J&W's and Mike Symon's building at 18+25, LT.
  - Curb and gutter was poured from approx. 19+80, RT – 20+80, RT and ramp at 20+25, LT.
- The consultant for the CBW finished decommissioning the underground storage tanks at the old Jitterbug property at Lot 17 at 27+75, RT.
- SEEM grouted SSMH A-8 and built to grade.
- SEEM continued building grade for curb and gutter, sidewalks and roadway pavement at Campbell Drive.
- Wrangell Light and Power contacted me about their need to install a ground anchor to anchor the light pole at 28+00, LT. The CBW/WLP is currently working to re-route and underground overhead electric facilities in this area. Once the lines between this pole and St. Michael's Street are removed an anchor will be needed to support this pole from leaning up-station. There appears to be room for this anchor at approx. 27+95, LT while not in conflict with the SS service just installed in this area. I need to coordinate with the CBW further.



**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Saturday, June 23, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^{\circ}$  in morning and  $85^{\circ}$  in afternoon, Sunny,  $\approx 10$ MPH wind**

- SEC prepped for roadway pavement first thing in the morning.
- SEC poured roadway concrete pavement from approx. 19+50, LT to 20+75, LT.
- One SEEM work, Ron Hansen, was on site today helping prep for concrete as needed.
- SEC was complete pouring and finishing concrete around 1PM.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Diary: Sunday, June 24, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 60^\circ$ , Sunny,  $\approx 10$ MPH wind**

- SEC crew and Ron Hansen (SEEM) prepped curb and gutter at Campbell Drive intersection for concrete.
- SEC poured approx. 7.25 yards of curb and gutter concrete between approx. 9AM and 11AM.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Monday, June 25, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 52^{\circ}$ , P. Cloudy, Calm**

- In the morning SEC prepped for sidewalks in various places between Lynch Street and Campbell Drive.
  - SEC poured approx. 8 yards of broom finish sidewalk concrete in various places between Lynch Street and Campbell Drive.
- In the morning SEEM closed off the Episcopal Street intersection per TCP #7. SEEM is working on water and storm drain connections at this intersection.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Tuesday, June 26, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 48^\circ$ , Rainy, Calm**

- SEC poured approx. 15 yards of sidewalks throughout the day.
- During the morning and afternoon SEEM worked on the water main tie-in at Episcopal Street. The water main connection is made at Episcopal Street and work is now ready to progress down Front Street towards Case Avenue.
- During the morning and early afternoon I worked with the webcam supplier to get the webcam online and functional.
- SEEM graded/prepped for nearly all concrete pavement and sidewalks to the Campbell Drive intersection.
- SEEM moved baffled dewatering box near the Bay Company (29+00, LT).
- Ever Electric set load center base at Campbell Drive intersection.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Wednesday, June 27, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 48^\circ$ , Fog and Lt. Rain in the morning, Calm**

- In the morning SEC prepped for roadway concrete on the right lane between approx. 20+50 to 21+75.
  - SEC poured approx. 56 yards of roadway concrete and 6 yards of sidewalk concrete.
- Ron Hansen, SEEM, picked up garbage and filled D1 behind sidewalks in past phases of the project.
- SEEM worked on Episcopal Street storm drain tie in. An additional 18-inch CMP pipe was found coming from Lot 16B (approx. 29+75, LT) between P-70 and P-71. This line roughly paralleled Front Street. In coordination with Carl Johnson we determined that this line was not active and we will not connect it to structure S-56.
- I am currently coordinating that both the electrical engineer, Mark Morris, and the Landscape Architect, Chris Mertl, travel to Wrangell for an aesthetic/compliance visit for their respective designs. Mark Bergey, Ever Electric, is currently working to power up a portion of the newly installed roadway lighting. Mark Morris must inspect the work prior to the warranty period beginning on these lights.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Thursday, June 28, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 50^\circ$ , Rainy, Calm**

- SEEM continued storm drain work at the Episcopal Street intersection. SEEM finished backfilling S-56 and P-71 that were installed yesterday. Crew connected P-70.
- SEEM built gravel pathway to connect Episcopal Street to the Sentry Hardware lot.
- Ever Electric prepping luminaires through Lynch Street intersection for powering up.
- SEC finished pouring the remainder of glass seeded concrete between Lynch and Campbell Drive.
- Matt McGuan arrived on the evening jet. He will be filling in for me from 6/29 to 7/3 and Toby Lockhart will be filling in for me from 7/5 to 7/8.

**Project Engineer: Matt McGuan, P.E.**

**Engineer's Daily Summary: Friday, June 29, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^\circ$ , Cloudy - No Rain, Calm**

- SEEM finished backfilling the storm drain work at the Episcopal Street intersection worked on curb and gutter grades in front of Sentry Hardware.
- Ever Electric installed two luminaires and work on getting the installed luminaires powered up.
- SEC power washed yesterday's glass seeded concrete pours, poured pavement up to the Campbell Drive intersection, and poured standard sidewalk along the north side of Front Street between Lynch Street and Campbell Drive.
- SEEM will be digging out the bulb-out landscaping planters over the weekend and installing planting soil.

**Project Engineer: Matt McGuan, P.E.**

**Engineer's Daily Summary: Saturday, June 30, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^\circ$ , Partly Cloudy – Periods of Light Rain, Calm**

- SEEM worked on digging out the planters between Campbell Drive and Lynch Street and placing planting soil.
- Ever Electric doing clean-up work and making sure the lights in the planters don't get damaged. Full on burn lighting test period started today.
- SEC poured the southeast half of the Campbell Drive intersection and poured sidewalk from 20+35 RT to 21+75 RT.



**Project Engineer: Matt McGuan, P.E.**

**Engineer's Daily Summary: Sunday, July 1, 2012**

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

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^\circ$ , Partly Cloudy – Periods of Light Rain, Calm**

- SEEM continued working on digging out the planters between Campbell Drive and Lynch Street and placing planting soil. They were able to complete all of the planters that have concrete in place. The two planters at the east side of the Lynch Street intersection do not have sidewalk poured around them yet and have not been dug out.
- Ever Electric was on site throughout the day doing cleanup work.
- SEC poured sidewalk areas between Lynch Street and Campbell Drive.