

M. C. Zimmerman, District Engineer, Anchorage

December 15, 1954

Alaska Road Commission, Anchorage

Four Weeks' Report

*Enggr Hill*

Survey for Sterling Highway Proposed Paving Plans

Work Order 1194

1. Field work 100% complete.
2. Office Computations:
  - a. Plotting Alignment - 5%
  - b. Profile - 85%
  - c. Reducing Cross Sections - 100%
  - d. Checking Cross Sections - 5%
  - e. Calculated Bearings, Cadastral Bearings, and Convergency - 50%
3. Materials:
  - a. Soils Survey Report - 90%

Advance Surveys of Petitioned Farm Roads

Work Order 190

1. 100% Complete

Farm Road Surveys

1. Anchorage-Matanuska Valley Area
  - a. Survey - Pittman-Willow Route - Work Order 1151
    - (1) "L" Line Completed
    - (2) Alternate overpass for railroad crossing completed.
2. Kenai-Homer Area
  - a. North Kenai - 6,000 "L" Line Survey complete
  - b. Falls Creek - Reconnaissance - Line Rejected
  - c. Clam Gulch - Survey Complete, 3,400
  - d. Ninilchik Small Tract Road - 5,000 "L" Line Survey complete.
  - e. Happy Creek Farm Road - 2 Mi. Survey complete.
  - f. Homer Gravel Pit - 7,000 to locate. All necessary lands and gravel available in Sec. 29, T6S, R14W, SM.

Chickaloon Bridge, Glenn Highway

Work Order 1186

1. Complete
  - a. Alignment run and referenced
  - b. Test piling located
  - c. Revised Cross Sections and Profile
  - d. Exploration by dozer completed.
  
2. Site Surveys
  - a. Hicks Creek completed
  - b. Puritan Creek 60% completed.

Materials

1. Sterling Highway Soils Report - 90%
  
2. Hicks Creek aggregate tested

B. D. Stewart, Jr., Chief, Operations Division,  
Acting District Engineer, Anchorage

November 17, 1954

Alaska Road Commission, Anchorage

Four Weeks' Report

Cantwell Area Bridges - Contract No. 14-04-002-137

89% Complete

1. There is attached a part of Bruce Campbell's Preliminary Report for this season which lists what is left to be done on each bridge for completion.

2. Construction closed down for the winter on November 13, 1954.

Seward-Anchorage Highway Improvement - Contract No. 14-04-002-173

94% Complete

1. All dirt work will be completed before November 20, 1954 at which time the job will be closed down for the season.

2. Only painting of the guard rail will remain for next season as the cold weather makes this phase of the project unfeasible.

Moose River Bridge - Contract No. 14-04-002-132

100% Complete

1. Final Estimate being activated.

Survey for Sterling Highway Proposed Paving Plans - W.O. 1194

1. Following are all complete as of November 4, 1954.

- a. Line - 35 miles - 100%
- b. Bench Marks - 35 Miles - 100%
- c. Cross-sections - 35 miles - 100%
- d. Section ties - 35 miles - 100%
- e. Offset Markers - 35 miles - 100%

Advance Surveys of Petitioned Farm Roads - W.O. 190

1. Crews have been locating line and necessary data for petition information, both in Matanuska Valley and Kenai-Homer areas.

## Farm Road Surveys

1. Anchorage Matanuska Valley Area
  - a. Survey - Pittman-Willow Route - W.O. 1151
    1. "P" Line substantially complete.
    2. "L" lacking approximately 1.5 miles to close.
  - b. Located one mile Eagle River Road beyond construction.
2. Kenai-Homer Area
  - a. Located Miller Loop Homer - Airport Area. W.O. 1230
  - b. Scout Lake Road located line.
  - c. North Kenai Road extension - 4 mile location. 190

## Materials Engineering

1. Completed Susitna Bridge Site report.
2. Completed miscellaneous field work in conjunction with the Sterling Soils Survey. Restaked the Sterling Highway 1953 Soils Survey.
3. Completed 75% of the laboratory work for the 1954 Sterling Soils Survey.
4. Investigated concrete aggregate sources for Hicks Creek and started the laboratory preliminary tests.
5. Made a preliminary laboratory design and estimate.
6. Compiled soils design booklet.
7. Miscellaneous laboratory setup work and testing.

K. R. Schedler  
Office Engineer

KRS/ab

B. D. Stewart, Jr., Chief, Operations Division,  
Acting District Engineer, Anchorage

October 20, 1954

Alaska Road Commission, Anchorage

Four Weeks Report

Anchorage Area Paving - Contract No. 14-04-002-143

100% Complete

1. All phases of this contract are complete. *(Except Final Estimate)*
2. Semi-final inspection made and road accepted for public use (Sept. 15).
3. Final inspection made but copy of letter to contractor not received to date.

Knik River Bridge - Contract No. 14-04-002-133

100% Complete

1. Semi-final estimate sent to Headquarters which returned all monies withheld during contract.
2. Final estimate pending claim by contractor.

Cantwell Area Bridges - Contract No. 14-04-002-137

74% Complete

1. Nenana River Bridge No. 1
  - a. Bolting of truss completed.
  - b. Decking has begun.
2. Nenana River Bridge No. 2
  - a. Excavation for south pier completed.
  - b. Lagging south pier begun.
  - c. Erection 180' truss under way.
3. Brushkana Creek Bridge
  - a. Complete except for minor clean-up.
  - b. Accepted for public use 10-4-54.

4. Jack River Bridge

- a. Completed except for minor clean up.
- b. Accepted for public use 10-4-54.

Seward-Anchorage Highway Improvement - Contract No. 14-04-002-173

66% Complete

1. Dirt work continuing at cut - Mile 106.7.
2. Mud being removed at Mile 102.4.
3. Contractor finished at 108.4 and clean up is being made.
4. All ~~the~~ 1,400 feet of beam guard rail set.

Power Line to Weigh Station - Contract No. 14-04-002-177

100% Complete

1. Construction completed October 12, 1954.
2. Final inspection October 14, 1954 by B. D. Stewart, Jr., Chief, Operations Division.
3. Final estimate sent to Headquarters October 15, 1954.

Eklutna Realignment Paving - Contract No. 14-04-002-179

Knik River Bridge Approach Paving - Contract No. 14-04-002-180

100% Complete

1. Both contracts completed.
2. Final inspection made by B. D. Stewart, Jr., Chief, Operations Division, September 26, 1954.
3. Final estimate sent to Headquarters October 6, 1954.

Moose River Bridge - Contract No. 14-04-002-132

1. Endeavoring to justify claims by contractor on ARC Forms 145-- hours too high.
2. Awaiting Extra Work Order #1 from Headquarters before final estimate can be processed.

Survey for Sterling Highway Proposed Paving Plans - W. O. 1194

1. The following is percentage of project complete to date:
  - a. Line - 35 miles - 100%
  - b. Bench Marks - 24 miles - 70%
  - c. Cross Sections - 8 miles - 23%
  - d. Section Ties - 50%
  - e. Offset - Markers - 20 miles - 57%

Cantwell & McKinley Park

1. Surveys completed in this area and survey crew disbursed.

Farm Road Survey

1. Pittman Road - W. O. 1160
  - a. Laid out bridge crossing Little Susitna River.
  - b. Located and placed construction stakes 2 miles to Houston.
2. Eagle River Road - W.O. 1219
  - a. Located and placed construction stakes for 1 mile.
3. Survey - Pittman-Willow Route
  - a. Two miles of P Line (Nancy railroad crossing from Willow.)
  - b. Five miles of L Line.

Cadastral Survey - Route 310 - work Order 1115

1. Approximately Mile 88 before transfer to Kenai, September 29th.

Materials Engineering

1. Ninety percent completion of field work for the Sterling Highway Soils Survey, Mile 78 to Kenai, Army base. Also some preliminary lab work.
2. Investigation of railroad embankments under Seward-Anchorage Highway Improvement contract.
3. Completed the spring break-up report for the 1954 spring season.
4. Susitna Bridge Site foundation investigation.
5. Miscellaneous lab work, concrete cylinders and soils.

B. D. Stewart, Jr., Chief, Operations Division-  
Acting District Engineer, Anchorage

September 22, 1954

Alaska Road Commission, Anchorage

Four Weeks' Report

Anchorage Area Paving - Contract No. 14-04-002-143

100% Complete

1. Engineering consisted of the following:

- a. Inspection of surface treatment of seal coat operation.
- b. Assisted in Semi-final Inspection.

2. Construction

Work Order 1188 - Anchorage-Elmendorf Alternate Through Route

- a. All work complete except cleanup.

Work Order 1189 - Glenn Highway, Section A-3 By-Pass

- a. Completed plant mix and lay down.
- b. Second course surface treatment completed.
- c. Seal coat completed.  
(All work complete except for cleanup.)

Work Order 151 - DeBarr, Lake Otis, and East Fireweed Lane

- a. Completed surface treatment on DeBarr Road.
- b. This completes all work on the surface treatment under W.O. 151.
- c. Cleanup is in operation.

Work Order 115

- a. Seal coat on Fireweed Lane and KFQD Road.

Knik River Bridge - Contract No. 14-04-002-133

100% Complete

1. All work is completed and bridge was accepted for use by traffic as of 5:00 P.M., August 31, 1954.
2. Final inspection by B. D. Stewart, Jr., Chief, Operations Division-Acting District Engineer, disclosed 2 sheathing plank missing on Pier No. 1 and to be placed before final acceptance.
3. Decking of the main spans was seal coated during the 4-week period.



Cantwell Area Bridges - Contract No. 14-04-002-137

43% Complete

1. Nenana River Bridge No.1
  - a. East pier poured and finished. This will complete the substructure.
  - b. Steel arrived at Cantwell and steel erection began on September 15, 1954.
  - c. The approach fill for the east and west ends has begun by ARC forces.
2. Nenana River Bridge No. 2
  - a. Began driving falsework in preparation for the erection of steel.
3. Brushkana Creek Bridge
  - a. All rail piles driven.
  - b. All lagging abutment completed.
  - c. Forms for first pour of abutments were completed and concrete pour made.
  - d. Producing concrete aggregate completed.
4. Jack River Bridge
  - a. All wood piling driven, capped, and braced and the setting of stringers has been completed.

Seward-Anchorage Highway Improvement - Contract No. 14-04-002-173

15% Complete

1. Engineering consisted of the following:
  - a. Checking slope stakes and guard rail locations.
  - b. Setting of slope stakes 108.4 and 102.4.
  - c. Inspection
2. Construction:
  - a. Contractor working in areas at Mile 106.7 and Mile 108.4.
  - b. The moving of communication lines by the subcontractor completed.
  - c. All guard rail has been raised and is being tamped by air hammers for compaction at base.

Power Line to Weigh Station - Contract No. 14-04-002-177

10% Complete

1. Pole line staked.
2. Six poles placed.

Eklutna Realignment Paving - Contract No. 14-04-002-179 and  
Knik River Bridge Approach Paving - Contract No. 14-04-002-180

1. Contracts awarded Rogers Construction Co. & Babler Bros.

Survey for Sterling Highway Proposed Paving Plans - W. O. 1194

1. Centerline for 22 miles completed to date. Approximately 13 miles to go.
2. Rubber heads placed every 100 ft. station with off-set stakes and control points located and referenced.

Cantwell and McKinley Park Area - No Reports

Farm Road Surveys

1. Completed final alignment and construction staking of Big Lake Road and Fish Creek Bridge. W. O. 1156
2. KFQD - Anchorage High School Road - W. O. 1213 - was staked for line, shoulder and stripping.

Cadastral Survey - Route 310 - Glean Highway - W.O. 1115

1. Crews are past Mile 83 and setting all control points as they progress.
2. Setting monuments of section lines intersecting with highway.
3. Making all section line traverses with highway section corners and 1/4 corners, etc.

K. R. Schedler  
Office Engineer

E. J. White, District Engineer, Anchorage

August 25, 1954

Alaska Road Commission, Anchorage

Four-Weeks' Report

Anchorage Area Paving - Contract No. 14-04-002-143

1. Engineering consisted of the following:
  - a. Inspection of fine grading, crusher operations, plant mix pavement prime and seal coats.
  - b. Setting string line for paver.

2. Construction:

Work Order 151

- a. Prime coat on DeBarr Road
- b. Seal coat on East Fireweed Lane and Lake Otis Road.

Work Order 11 and 13

- a. Seal coat 4th Ave. Extension.
- b. Seal 80% Spenard Road.

(Both of the above were unsuccessful due to heavy traffic and rain.)

Work Order 1188

- a. All paving complete except for 600 feet.
- b. Seal coat between Sta. 29+00 to Sta. 334+00.

Work Order 1189

- a. All base course material has been laid.
- b. The fine grading on the By-Pass is now complete.
- c. Prime completed between Sta. 147 to Sta. 183, Sta. 270+00 to Sta. 523+00.
- d. Paving completed between Sta. 290+00 to Sta. 450+00.

Knik River Bridge - Contract No. 14-04-002-133

1. Completed laying of laminated deck panels on main truss spans 8/20/54.
2. Five ice breakers now bolted in place and welded.
3. Contractor in process of painting floor bolts and anchors.
4. Expansion joints removed from trusses. Present blocking plates are to be replaced by 1/2" plates by ARC.

Cantwell Area Bridges - Contract No. 14-04-002-137

1. Nenana River Bridge No. 1
  - a. Excavation east pier completed.
  - b. Piles for east pier completed.
  - c. Concrete seal for east pier cofferdam was poured.
  - d. West pier was poured.
  - e. Poured east pier footings.
2. Nenana River Bridge No. 2
  - a. No activity during this four week period.
3. Brushkana
  - a. Excavation for abutments complete.
  - b. Piling for the north abutment driven and welding of pile cover plates begun.
  - c. Constructed forms for north abutment cap.
4. Jack River Bridge
  - a. Material for this bridge has arrived and has been hauled to the site.
  - b. Pile locations laid out and work should begin any time.

Moose River Bridge - Contract No. 14-04-002-132

1. The bridge was completed August 10, 1954 and opened to traffic.
2. ARC forces provided the required backfill for deadmen and approach fills.

Seward-Anchorage Highway Improvement Contract

1. Preliminary field work such as staking, etc., has been completed.
2. Oaks Construction Company has had several discussions with Lee LaCross, Chief of the Engineering Section, Anchorage.

Kenai Area

1. Slope staked North Kenai Road.
2. Set stripping stakes Bernice Lake Road.
3. Re-established control points for Bernice Road.
4. Line and stripping stakes Sta. 0+00 to Sta. 29+00 Alek Wik Road off North Kenai Road.
5. Set ditch and slope stakes Nikishka No. 2 Beach Road, Sta. 20+00 to Sta. 45+00.
6. 4200 feet stripping stakes and preliminary line for proposed road to Island Lake.

Survey for Sterling Highway Proposed Paving Plans - Work Order 1194

1. Crew left Anchorage with carryall and equipment August 9th and began work August 11th.
2. To date they have run 10 miles of centerline, referencing all control points and placing red heads at every 100 foot station.

Cantwell - McKinley Park Area

1. East Fork River Bridge
  - a. Engineering consisted of concrete inspection.
  - b. Sections 1, 3, and 5 of the deck was poured.
  - c. All deck forms are completed and reinforcing steel placed.
  - d. Poured deck and beams north abutment.
2. Toklat River Bridge
  - a. Second coat of paint was completed and this will end this year's construction on this bridge.

### 3. Survey Crews

- a. Bob Johnson works as part-time bridge inspector.
- b. Completed upper Igloo Bridge survey.
- c. Layed out centerline and location of bents for Teklanika Bridge which is now being let for contract bid.

### Farm Road Surveys

1. Palmer-Wasilla Road - Work Order 131
  - a. All survey party work complete and have moved to Big Lake Road location.
  - b. Any further engineering activity will be by the District Materials department.
2. Big Lake Road - Work Order 1158
  - a. Location of road completed and accepted as is by Headquarters, Juneau.
  - b. Ran .5 mile construction stakes.
  - c. Began 3,000 foot revision for M.E.A. power line.
3. Birchwood Road - Work Order 1161
  - a. Location of line.
  - b. Set stripping stakes.
4. KENI-KFQD Road
  - a. Ran centerline, some cross-section where required, profile and physical topog.
  - b. Plotted up physical topog and line on tracingpaper.

### Cadastral Survey - Route 310 - Glenn Highway - Work Order 1115

1. Crews are past Mile 74 and setting all control points as they progress.
2. Setting monuments of section lines intersecting with highway.
3. Making all section line traverses with highway and section corner, 1/4 corner, etc.

## Materials Engineering

1. Inspection of Anchorage Area Paving construction, asphalt plant in particular, and laboratory work as follows:
  - a. Softening of AC 120-150 by the use of diesel and Darakote to permit its use for seal coat asphalt.
  - b. Marshall stability testing.
  - c. Volatilization of RC-3 asphalt to improve its durability qualities for seal coating under traffic; Report: "Not Feasible in the Field".
  - d. Other
2. Inspection of Cantwell area bridges and East Fork Bridge. Laboratory work for East Fork and Teklanika, and others.
3. Inspection and laboratory work on the following:
  - a. Palmer-Wasilla Road
  - b. Maintenance asphalt plant Mile 115 on Glenn Highway, mix design for that stockpile.
4. Soils Survey of:
  - a. International Airport Road.
  - b. Sand Lake Road.
  - c. Jewel Lake Road.
  - d. Lake Otis Road.
  - e. Preparation for soils survey of the Sterling Highway.
5. Miscellaneous as follows:
  - a. Concrete cylinder work.
  - b. Lab work other Districts.
  - c. Acquiring AC asphalt from the Army.

K. R. Schedler  
Office Engineer

E. J. White, District Engineer, Anchorage

July 29, 1954

Alaska Road Commission, Anchorage

Four Weeks' Report

Anchorage Area Paving - Contract 14-04-002-143

1. Engineering consisted of:

- a. Inspection fine grading, MC-3 treatment, crusher products, and prime coat.
- b. Laying 5-1/2 miles of string for laydown machine.

2. Constructions

W.O. 151

- a. Fine grading, laying and rolling of base course material completed on DeBarr, Lake Otis, and East Fireweed Lane.
- b. First treatment of MC-3 was applied Fireweed Lane and Lake Otis Road.
- c. Aggregate for treatment stockpiled.

W.O. 1188

- a. Fine grading, laying and rolling of base course material completed on Anchorage-Elmendorf Through Route.
- b. Through Route primed completed by July 9, 1954.
- c. Hot Plant set up for operation.
- d. Through Route paved from Sta. 29+00 to Sta. 334+00.

W.O. 1189

- a. Crusher transferred to Pit No. 2 on the Glenn A-3 By-Pass Route.
- b. All plant mix aggregate crushed and stockpiled. Approximately 80% base course material crushed.
- c. Fine grading completed between Sta. 240+00 to Sta. 410+00. (Approximately 3 1/2 miles)
- d. Base course material applied Sta. 285-350.

W.O. 11 & 13

- a. Chips stockpiled at job sites.

Knik River Bridge - Contract 14-04-002-133

1. Approach was open to traffic 6 a.m. July 16, 1954 -- only one day off schedule.
2. All rail post bolted in place and guard rail erected.



3. 95% sheathing completed but delayed due to Lake George going out Wednesday a.m., July 21, 1954.
4. Detour fill was leveled prior to the Lake George breakup.

Cantwell Area Bridges - Contract 14-04-002-137

1. Nenana River Bridge No. 2
  - a. Lagging of the north pier and ice nose complete and construction on the south pier of this phase has begun.
  - b. ARC forces have placed the south abutment fill.
  - c. Backing planks for the north abutment were placed.
2. Nenana River Bridge No. 1
  - a. Forms for east abutment completed and concrete poured.
  - b. Cofferdam for west pier completed and concrete seal poured and west pier piling driven.
  - c. Excavation for east pier begun.
  - d. The first pour was made on the west abutment cap.
3. Brushkana Bridge
  - a. All material has been hauled to the bridge site.
4. Jack River Bridge.
  - a. No activity.

Moose River Bridge - Contract No. 14-04-002-132

1. Riveting and erection completed.
2. Mr. White, your report from Ralph should be more complete and up to date than what I have received from John Wiggin. My last report was dated July 10, 1954.

Kenai Area

1. Same as No. 2 above.

Cantwell-McKinley Park Area

1. Toklat River Bridge
  - a. Completed painting of first coat.
2. East Fork Bridge
  - a. Placed girders and have bolted diaphragms in place.
  - b. Stocking of sand and gravel for the remaining phases of project.

### Farm Roads

1. Palmer-Wasilla Road - W.O. 131
  - a. Line is completed from Cottonwood Creek to limits of Wasilla.
  - b. Stationing has been completed from Palmer to Wasilla.
  - c. Approximately 75% of benches have been established and 50% of profile completed.
  - d. Section ties made as required.
  - e. Setting construction stakes ahead of construction.
  - f. Construction over 75% complete.
2. Big Lake Road
  - a. Field location completed and plat drawn up.
  - b. Section ties are in progress.

### Cadastral Surveys

1. Began running establishing section line and centerline of Highway and monument same.
2. Established approximately  $3\frac{1}{2}$  miles of centerline beginning at last P.O.T. on Hebert Survey (1953).
3. Two crews now in field.

### Materials Engineering

1. Inspection on paving operation for Anchorage Area Paving Contract, including final mix design, plant calibration, and routine tests and control.
2. Further tests on aggregate for Brushkana Creek Bridge.
3. Inspection on Wasilla Road reconstruction.

KRS/als

E. J. White, District Engineer, Anchorage

July 2, 1954

Alaska Road Commission, Anchorage

**Four Weeks' Report**

Anchorage Area Paving - Contract No. 14-04-002-143

1. All blue topping is completed on the Through Route and A-3 By-Pass as of June 17, 1954. This will complete all of the construction staking including DeBarr, Lake Otis and East Firweed Lane.
2. All ARC forces have completed their work.
3. Tank crossings are staked out for installation by contractor of Post Engineers. (Several of the tank crossings are poured.)
4. Inspection of grade, aggregate and etc., as required under contract construction.
5. The contractor has completed the following on Anchorage-Elmendorf Alternate Through Route, W.O. 1188:
  - a. Fine grading
  - b. Base course lay-down
  - c. Crushed and stockpiled plant mix aggregate
6. Crusher has been changed over to seal aggregate production.
7. Forty percent of the borrow completed on DeBarr.
8. Fine grading also completed on Lake Otis Road and Firweed Lane and covered these routes with base course aggregate.

Knik River Bridge - Contract No. 14-04-002-133

1. Completed driving all bearing piles in piers on June 24, 1954.
2. Drove all abutment piles and deadman completed June 26, 1954.
3. Steel H and rail pile driven, cutoff, splice welded and nailer plates being welded on.
4. Ten pile bents have been aligned and cutoff with Piers 2&3 capped.
5. Engineering consisted of general inspection of all phases of operation and giving centerline of piers, roadway and cutoff elevations whenever needed.

Cantwell Area Bridges - Contract No. 14-04-002-137

1. Nenana River Bridge No. 2

- a. All old steel was straightened for construction by June 4, 1954.
- b. Pier bracing was placed in north pier and placement of lagging was begun.
- c. ARC forces hauled rock to be used to fill the piers and ice breaker s of Nenana No. 2.

2. Nenana River Bridge No.1

- a. Fabricated and completed all steel piles.
- b. Completed excavation for west pier of Nenana.
- c. All piles in the east and west abutment are driven.
- d. Engineering consisted of pile location centerline control and general inspection of all phases of operation.

3. Brushkana and Jack River Bridges.

- a. Steel pile fabricated for these bridges and some survey work.

Moose River Bridge - Contract No. 14-04-002-132

1. Completed the fabrication and painting of all rail pile.
2. Straightened bent structural steel (old bridge).
3. Drove all rail piles and 6 timber piles.
4. Made excavation for abutments.
5. Fabricated laterals and floor beams.
6. Cut-off all steel pile.
7. Began fabrication of laterals, sways, and floor beams.
8. Construction structural members such as shoes, plates and first bottom chord in the west end.
9. Engineering consisted of layout of false work, spot piers, pile cut-off point and general inspection of all operations.

### Kenai - Homer Area

1. Construction staking and line ahead of ARC forces on Scout Lake Road, Miller Loop Road and North Kenai Road Extension.
2. Ran profile and set grade stakes for Sterling Highway ditch at Naptowne School.
3. Homer area Dan Reed and crew ran 11 miles of traverse setting P.C., P.T. M.C. and P.I's, also benches and levels.

### Cantwell - McKinley Park

Attached is L. E. Hough's report.

### Farm Roads

1. Palmer-Wasilla Road
  - a. Buggy's Hill line change complete in the following:  
Line, profile, slope staking and construction with a crush gravel surface.
  - b. Line changes engineered and staked between following Stations:  
  
Sta. 88+00 to Sta. 106+00 - Construction 33% complete.  
Sta. 239+00 to Sta. 248+00 - No construction yet.  
Widening and fill Sta. 165+00 to Sta. 172 - 50% complete.  
Sta. 20+00 to 100+00 (independent of above Sta.) completed.
2. Big Lake Road - W.O. 1158
  - a. Engineering field crew left Anchorage June 25, 1952 for site.
3. Abbott Loop - W.O. 1156
  - a. Engineering and Road Construction completed.
4. Abbott Extension - W. O. 1162
  - a. Line flagged for stripping.
  - b. Section corners referenced and removed.
5. O'Malley Extension
  - a. Required no further engineering.

## Materials Engineering

1. Completed sulphate tests and mix design for Nenana No. 1 Bridge, Cantwell Area.
2. Inspected bridges and Denali Highway, Cantwell area.
3. Completed soils survey on Palmer-Wasilla Road.
4. Inspection on Palmer-Wasilla crusher.
5. Anchorage Area Paving
  - a. Field density and Procter Tests
  - b. Mix design on pavement.
  - c. General inspection, crusher, etc.
6. Inspection of Anchorage local construction.
7. Asphalt tests for Valdez and Anchorage Districts:
  - a. Distillation
  - b. Viscosity
  - c. Penetration
  - d. Specific gravity
  - e. Other

K. R. Schedler  
Office Engineer

KRS/ab

E. J. White, District Engineer, Anchorage

June 3, 1954

Alaska Road Commission, Anchorage

Four Weeks' Report

Anchorage Area Paving - Contract No. 14-04-002-143

1. Engineering:

- a. Grade and crusher inspection.
- b. Blue tops complete on Through Route except for about 100 stations or two miles.
- c. Furnished and completed all construction stakes, grade, and line for force account work prior to surface treatment.

2. Construction:

- a. Crusher began on 3 8-hour shifts May 24, 1954. The day and swing shift place base course on road; night shift stockpiles.
- b. Approximately 1-1/2 miles of base course has been laid down.
- c. Fine grading completed for approximately 3-1/2 miles of Through Route.

Knik River Bridge - Contract No. 14-04-002-133

1. Detour is completed.
2. Considerable trouble has been encountered in the pile driving phase of the operation. Their present 3000 gravity hammer does not drive the pile to the prescribed penetration. At the end of 4-week period only 6 pile have been driven. (A jet is being installed.)
3. Engineering consisted of inspection.

Moose River Bridge - Contract 14-04-002-132

1. Contractor's superintendent has started organizing the job site prior to construction.
2. The welding of the rail piling has begun.

Cantwell Area Bridges - Contract 14-04-002-132

1. Engineering consisted of the following:
  - a. Field checking layout of Nenana #2 and spotting pile location prior to driving.
  - b. Layout centerline control for Nenana #1 and #2 and Jack River Bridge.
  - c. Inspection of pile driving.
2. Construction completed as follows:
  - a. Nenana No. 1
    1. All south abutments piles driven.
    2. Screening plant set up for aggregate in old channel Jack River three miles from job site.
  - b. Nenana No. 2
    1. Railroad track piles fabricated.
    2. Drove all piling north pier and its breaker nose, north abutment, south abutment, and south pier.
  - c. Jack River and Brushkana -- no activity.

McKinley Park Bridges

East Fork Bridge

1. Forms complete for column up to deck.
2. Began pouring concrete in columns.
3. Set up new process for distribution of concrete.
4. Moving of all concrete to job site.
5. Increase size of camp.

Kenai

1. Survey Sterling Highway - Homer Area.
  - a. Establish centerline through Homer and tying to Land Office monuments.
  - b. Taking physical topog of property adjoining highway on the above centerline.
2. Survey Kenai Area



- a. "L" Line and stripping stakes on Moose River Loop Road and Miller Loop Road.
- b. Reconnaissance and miscellaneous survey work.

#### Farm Roads

1. Line and stripping stakes on the Palmer-Wasilla Road for possible revisions.

#### Materials Engineering

1. Reconnaissance of Sterling Highway.
2. Completed report on Susitna Bridge sites, including laboratory work.
3. Made a preliminary soils survey on Palmer-Wasilla Road; submitted a report and crusher inspection.
4. Continued work on spring breakup on the Seward-Anchorage and Glenn Highways.
5. Completed laboratory work on concrete aggregates (magnesium sulphate tests, specific gravities, sieve analysis) and mix design for Nenana No. 1 and Brushkana Bridges.
6. Inspection of Anchorage Area Paving work as follows:
  - a. Inspection of Base Course, Tudor Road.
  - b. Proctor Tests on Base Course.
  - c. Other preliminary work.

#### Load Restrictions

May 5, 1954 - Load restrictions raised to 100% of normal gross loading Seward-Anchorage Highway, Anchorage to Portage.

May 7, 1954 - Load restrictions raised to 100% of normal gross loading, Palmer to Mile 118, Glenn Highway. (Normal loading on all Glenn Highway in Anchorage District.)

May 10, 1954 - Load restrictions raised to 100% of normal gross loading Sterling Highway, Seward-Anchorage Highway to Kasilof and Kenai Spur.

May 19, 1954 - Restriction raised on Seward-Anchorage Highway Portage to Seward. (Seward-Anchorage Highway 100% of normal gross loading throughout.)

May 31, 1954 - Restriction raised to 100% of normal gross loading on Sterling Highway, Kasilof to Homer. (No breakup restrictions remain in the Anchorage District.)

E. J. White, District Engineer, Anchorage

May 5, 1954

Alaska Road Commission, Anchorage

Four Weeks' Report

Anchorage Area Paving

Preparatory work has been completed to date as follows:

1. Lake Otis Road - Line, profile and slope staking completed, W. O. 151.
2. DeBarr Road - Line and profile completed, W.O. 151.
3. Anchorage-Elmendorf Alternate Through Route - Line 70% complete, W.O. 1188.
4. Glenn A-3 By-Pass - Line 100% and profile 80% completed, W.O. 1189.

To date the contractor has only prepared and collected his equipment for the contract.

Knik River Bridge - Contract No. 14-04-002-133

1. On April 22nd the contractor began work on the contract with the 18WF50's and 21WF59's which were cut and moved to contractor's yard. All prefabrication has been done on them cleaning begun.
2. 1600 Cubic Yards has been placed for the detour fill.
3. All engineering staking completed for detour fill.

Moose River Bridge - Contract No. 14-04-002-132

1. Preliminary engineering completed.

Cantwell Area Bridges - Contract 14-04-002-137

1. Contractor moving equipment into the Park and Cantwell.

### McKinley Park Bridges

1. Toklat River Bridge, W.O. 1164
  - a. Bridge complete except for approach fill and painting.
2. East Fork Bridge
  - a. Mr. Franklin opening up camp and moving in material.

### Materials Engineering

1. Checking road conditions during breakup.
2. Cantwell area bridge site studies: Susitna, East Fork, and contracted bridge sites.
3. General soils test run with samples from Glenn, Sterling and Seward-Anchorage Highways.

### Miscellaneous Work

1. Seward-Anchorage Highway cross-sections of side areas between Mile 96 to Mile 106 (approximately 40% completed).
2. Wasilla-Palmer Road revision - R.O.W. work and installation of stripping stakes.

K. R. Schedler  
Office Engineer

E. J. White, District Engineer, Anchorage

April 6, 1954

K. R. Schedler, Office Engineer, Anchorage

Four Weeks' Report

Susitna-MacLaren Location Survey

1. Establish grade line complete.
2. All cross-sections are plotted and planimetered.
3. Earth work computations 75% complete.
4. Culverts -- placement 10% complete.
5. Plotting contours for MacLaren Bridge approach.

Bridges - Moose River, Knik River and Cantwell Area Bridges

1. Bridge contracts have had no activity by contractors to date.

Farm Roads

1. Drafting a new map Anchorage & Matanuska Road System.

Cadastral Survey

1. All field work, computations and plats 98% complete on Glenn Highway -- Matanuska Bridge to Granite Creek.
2. Seward-Anchorage Highway -- section from Anchorage to Potter also approximately 98% complete except for about one-half of plats to be made up. This should only take a week or two after the reproductibles arrive from Headquarters.

Surplus Structural Steel

1. All steel for M.K. contracts for bridges on Richardson Highway have been removed from yard.
2. The structural members for Glennallen apartments were also picked up during this four-week period.

Load and Speed Limit Restrictions

1. April 2, 1954 - midnight - 50% gross load and 35 mph restriction on Glenn Highway, Mile 8 to Mile 118.

2. April 3, 1954 - midnight - 50% gross load and 35 mph speed limit on the following:

- a. Seward-Anchorage Highway - Anchorage to Girdwood
- b. Sterling Highway and Kenai Spur

Note: Seward-Anchorage Highway - 75% gross load and 40 mph between 12:00 midnight to 8:00 A.M. while evenings are still below freezing.

Materials Engineering

- 1. Completed report on icing conditions on District through highways.
- 2. Gauged asphalt and fuel tanks at the ARC tank farm; made distillation and viscosity tests on tank number 4.
- 3. Completed all lab work on Sterling Highway. The report will be complete by April 16th.
- 4. In the process of gathering road breakup information for a later report.

E. J. White, District Engineer, Anchorage

March 10, 1954

K. R. Schedler, Office Engineer, Anchorage

Four Weeks' Report

As-Builts - Glenn Highway, Section B-2

1. Glenn B-2 are approximately 70% complete.

Susitna-MacLaren Location Survey

1. Completed projections of quantities.
2. Establishing grade line 90% complete. 100%
3. Area of cross-sections are being plotted and planimeter. (Station 470 to Station 1500 "L" Line.) 100%

Bridges - Moose and Knik River Bridges

1. Bridge contracts have had no activity by contractors to date.

Farm Roads

1. Jack Van Zanten working on farm road notes and possible revisions.

Final Construction Reports

1. All completed from this office but to date have not received copy of Caribou and Nelchina River Bridges final construction report. ✓

Cadastral Survey

1. Working up notes on Glenn Highway and transposing information to plats.

Materials Engineering

1. Completed report on the correlation of MC, RC, and AC asphalts.
2. Continued laboratory work on Sterling Highway soils survey:
  - a. Pl
  - b. Gradation
  - c. Hydrometer

3. Mix design for Chickaloon Bridge concrete.
4. Checked on icing conditions from Anchorage to Nelchina (Mile 138) Glenn Highway, and Seward-Anchorage Highway from Girdwood to Anchorage.
5. Laboratory setup.
  - a. Moved front partition.
  - b. Base for crusher.
  - c. Jar bath setup.
  - d. Number of miscellaneous.

KRS/ab

E. J. White, District Engineer, Anchorage

February 9, 1954

K. R. Schedler, Office Engineer, Anchorage

#### Four-Weeks' Report

#### As-Builts -- Seward-Anchorage, Glenn B-2 and Glenn B-1 Highway

1. Seward-Anchorage as-builts were completed and sent to Juneau, January 20, 1954.
2. Glenn B-2 are approximately 40% complete.
3. Glenn B-1 has been completed except for section ties between Granite Creek and Hicks Creek. Before this section can be completed these ties must be made and the cheapest method is the use of cadastral notes of the coming 1954 survey which will hold up completion of as-builts until next winter.

#### Susitna-MacLaren Location Survey

1. Contour line of the "A" and "L" Line completed and inked.
2. Began projections of quantities Sta. 15/00 to Sta. 295/00.

#### Bridges - Moose River and Knik River Bridges

1. Steel from BPL was rechecked by John O. Wiggin and a supplemental steel list sent to Headquarters, February 3, 1954. Snow covering the steel impaired the accuracy of the above check.
2. Steel for the Knik River Bridge will be sorted out during the next four-week period.

#### Kanai

1. No activity other than Moose River Bridge covered above.

#### Farm Roads

1. Working up notes.

#### Final Construction Reports

1. All final construction reports completed and sent to Headquarters and they are:



- (a) Glenn B-2
- (b) Glenn A-2
- (c) Anchorage-Elmendorf Alternate Through Route
- (d) Eklutna River Bridge
- (e) Seward-Anchorage, Section D

#### Materials Engineering

1. Continuation of Sterling Highway soils; 65% complete this date.
2. ARC Headquarters requested the following work charged to Work Order 930.
  - (a) Correlation of MC-3, RC-3 and AC 120-150 by Marshall stability, 60% complete.
  - (b) Volatilization of cutback asphalts. MC-3 and RC-3 completed.
  - (c) Possibility of making an emulsion out of RC-3 completed.
3. Worked on report of Glenn Highway bridges.
4. Marshall stability work on Pit No. 2 (A-2), Pit No. 1 (A-E), Pit No. 1 (A-E) with blending sand, completed.

#### Cadastral Survey

1. Working up summer's notes and recording on plats.

KRS/ab

E. J. White, District Engineer, Anchorage

January 13, 1954

K. R. Schedler, Office Engineer, Anchorage

**Four-Weeks' Report**

All work this period has been office work except for the checking of Moose River Bridge steel inventory by John O. Wiggin.

As-builts, Seward-Anchorage, Glenn B-2 and Glenn B-1 Highways

1. Seward-Anchorage is complete except for right-of-way.
2. Glenn B-2 - these as-builts were approximately 70% complete but a Mr. Robert Hamel who did 40% of this work made so many mistakes it is necessary to recheck and correct all Federal Aid Sheets. (Robert Hamel was fired for inability to work accurately or just work.) Checking approximately 20% complete.
3. Glenn B-1 - work has started which has consisted mainly of collection of data.

Susitna-MacLaren Location Survey

1. "A" Line traverse completed in ink.
2. "A" Line contours inked to Sta. 1330+00. *Completed*
3. "A" Line contours penciled to Sta. 1740+00.
4. "A" Line bridge site surveys (stadia) reduced and plotted.
5. "L" Line cross sections plotted.
6. "L" Line contours penciled to Sta. 395+00. *Completed*

Kenai

- "A" Line profile Completed*  
*Work projections & quantities 295*
1. Working up notes.
  2. Checking steel for Moose River Bridge.

Farm Roads

1. Working up notes.

*Cadastral Crew*

*Working up notes & drawing plots*

### Final Construction Reports

1. Glenn A-2, Glenn B-2 and Anchorage-Elmendorf Alternate Through Routes have been submitted for approval. (Glenn A-2 sent to Juneau)
2. Seward-Anchorage prepared for typing.
3. Eklutna Bridge being compiled.

### Materials Lab

1. Completed testing for Glenn A-2 and Anchorage-Elmendorf route paving.

KRS/ab

- a. Mech. Analysis
  - b. Specific gravity coarse and fine aggregate
  - c. Los Angeles Abrasion (IE Lab)
  - d. Final Report
2. Completed testing of concrete aggregate for Moose Creek, Granite Creek, Chickaloon and Cascade Creek Bridges.
    - a. Mech. Analysis
    - b. Specific gravity coarse and fine aggregates
    - c. Absorption
    - d. Mag. Sulphate Soundness
  3. Completed about one-fourth of the Sterling Highway soil survey, lab work.
  4. Miscellaneous
    - a. Lab setup
    - b. Asphalt

E. J. White, District Engineer, Anchorage

December 16, 1953

K. R. Schedler, Office Engineer, Anchorage

Four Weeks' Report

Anchorage-Elmendorf Alternate Through Route - Contract 14-04-002-84

- 12/14/53?
1. Office computations completed and Semi-final Estimate No. 3 sent to Headquarters 12/14/53 after receipt from the Seattle office where it was sent for signature of Superintendent of Birch-Lytle-Green.
  2. Work remaining consists of clean-up for which \$347 was withheld for final approval.

"C" Street Extension - Contract 14-04-002-94

1. Contract work began November 18, 1953.
2. Contract completed November 30, 1953.
3. Final Inspection by ARC December 1, 1953 and acceptance by Mr. Reed, Territorial Highway Engineer, November 14, 1953.

Kenai

December?

1. Topographic survey of Soldotna Camp Site.
2. Ran additional "P" Line for extension of North Kenai Road.
3. Completed the "P" Line on Miller Loop Road.
4. Reported to Anchorage Office, December 1, 1953.
5. Office work consists of:
  - a. Working up Seldovia Survey notes.
  - b. Plotting Starisky Creek relocation (plan-profile).

Cantwell

1. Crews are in for winter.
2. Office Work:

- a. Plotting a plan-profile and contour maps for Jack River site survey and complete form 124, Bridge Site Data.
- b. The same as above on Lilly Creek.

#### Susitna-MacLaren Location Survey

1. Joseph Bell left for Juneau 12/4/53, but completed report before leaving.
2. Office Work:
  - a. Plotting cross-sections "A" Line, Sta. 558/16 to Sta. 1958/60.
  - b. Plotting contour line "A" Line Sta. 558/16.
  - c. Traverse "L" Line Sta. 16/79 to Sta. 522/00.

#### Dillingham to Aleknagik Survey

1. Notes are worked up and report submitted to District Engineer.

#### Farm Roads

1. Computation on Fairview-Hayflats Road (now Cottonwood Road), Pittman Road, and Matanuska Line Change.

#### Cadastral Survey Crew (Highway R.O.W.)

1. Running traverses, chaining distances and setting brass caps as needed to substantiate and correct original line on Seward-Anchorage Highway between Anchorage and Potter.

2. In from field 12-11-53

#### Materials Engineering

1. Preliminary work done on Glenn A-2 and Muldoon and Tudor, Mechanical Analysis, Sp. Cr., etc.
2. Laboratory - setting up of equipment and repair of equipment.
3. Concrete aggregate work on Glenn Highway bridges: Knik, Moose, Granite and Cascade Creeks.
4. Billy D. Whittington started work on November 30th in the Materials Laboratory.

L. A. Hatchett, Acting District Engineer, Anchorage      November 17, 1953

Alaska Road Commission, Anchorage

Four Weeks Report

Caribou Creek and Little Nelchina River Bridges, Contract I-arc-4h25

1. This contract is closed with the payment of the final estimate.

Anchorage-Elmendorf Alternate Through Route, Contract 14-04-002-84

1. Construction completed November 4, 1953.
2. Inspection was made of project and corrections noted for contractor before acceptance.
3. Inspection and miscellaneous field work prior to completion.
4. Office computations for overhaul, borrow and excavation are being continued.

"C" Street Extension, Contract -

1. Preliminary Survey
  - a. Flag Line
  - b. Ran Profile and Cross-Sections.
  - c. Plotted the above and forwarded to Juneau, November 4th.
2. Ran slope stakes for contract.
3. Contract let November 16, 1953.

Kenai

1. Completed layout of Deep Creek Bridge and the cut off elevation of piles.
2. Completed Moose River Bridge Site Survey.
3. Made relocation of Starisky Creek crossing on Sterling Highway.
4. Survey of private gravel pits with ties to section corner.
5. Ran mile of profile of Sterling in Homer area.
6. Started a "P" Line extension, North Kenai Farm Road.

### East Fork River Bridge

1. Closed for the winter, October 24, 1953.
2. Only operation during this four week report would be keeping temperature above freezing while concrete is curing and closing camp.

### Susitna-MacLaren Location Survey

1. Crew made bridge site surveys Glenn Highway and compiled data for Headquarters.
2. Computing traverse for Susitna-MacLaren Survey "L" and "A" Lines.
3. Plotting "L" Line Profile.

### Cantwell

1. Jack River Site Survey on Cantwell-Paxson Road, 9th Nov. to 13th Nov.

### Dillingham to Aleknagik

1. Completed the 19.3 miles of line.
  - a. Fourteen miles is dozer trail and the last five and three-tenths is blazed and flagged.
  - b. Field work completed Nov. 2, 1953.

### Materials Engineering

1. Preliminary Report on proposed paving Glenn A-2 and Anchorage Alternate Through Route.
2. Soils work on Anchorage Alternate Through Route.
3. Reconnaissance - Campbell Station Road, "C" Street Extension, and Huffman Road Extension (or would it be O'Malley?)
4. Report of concrete aggregate Teklanika, Nenana No. 1 and Brushkana Bridges.

### Farm Roads

1. Worked on stationing and line change at Lynns Hill, Matanuska to Experimental Station.

2. Completed cross-sections Palmer-Wasilla Line Change. (Reduced).
3. Cross-referenced three corners on Palmer-Wasilla Road.
4. Reported to Anchorage, November 1, 1953.
5. Working computations on field work.

Cadastral Survey

1. Crew is now about a mile from Potter, approximately 11 miles from Anchorage.
2. Referencing all control points as they progress.

K. R. Schedler  
Office Engineer

KRS/ab



L. A. Hatchett, Acting District Engineer, Anchorage

October 20, 1953

K. R. Schedler, Office Engineer, Anchorage

Four-Weeks Report

Caribou Creek and Little Nelchina River Bridges - Contract I-arc-4425

1. Excavation claim, Change Order No. 3 signed and forwarded to Headquarters 10/7/53.
2. Final Estimate No. 8, Caribou Creek Bridge and Final Estimate No. 6, Nelchina River Bridge, mailed to contractor 10/8/53 for signature.

Anchorage-Elmendorf Alternate Through Route - Contract 44-04-002-84

1. Engineering

- a. Blue tops Station 101 to Station 153.
- b. Stripping sections were taken of Lake Otis Pit.
- c. Staking of culverts -- both private driveways and roadway.
- d. Private driveways installation are through as of 10/15/53 as agreed by contractor and resident engineer.
- e. Final cross-sections were taken of Pits #1, Part #1, and Pit #2, Part #1.
- f. All pit notes reduced and plotted.
- g. The following roadway is to grade between Station 234/00 to 0/00 and Station 0/00 to 250/00.
- h. Grade and culvert inspection as usual.

Kenai

1. Location crew at Seldovia

- a. Line run to and tied to City of Seldovia.
- b. All complete except for some physical topog.
- c. Project closed 10/15/53.

### Susitna-MacLaren Location Survey

1. Work was completed for the season October 12, 1953. Packed on October 13th and flew out October 14, 1953.
2. "P" Line ended at the following Stations.
  - a. "P" Line Traverse Sta. 1159.
  - b. "P" Line cross-sections Sta. 1159.
  - c. "P" Profile Sta. 1159.
  - d. "P" Culverts Sta. 1116.
3. "P" Line dropped in favor of a lower line designated as "A" beginning at Sta. 1100/00.
4. "A" Line -- Profile and Cross-sections
  - a. "A" Line traverse Sta. 1100 to 1972.
  - b. An additional 1000' of profile and cross-sections run to the MacLaren River from our tie at 1972.
  - c. "A" Line traverse, profile and cross-sections tied into "L" Line from Sta. 1100/00 to Sta. 558/00, P.I. 487/31.3 "L" Line.
5. Following Bridge Site Surveys:
  - a. Corkscrew Creek
  - b. Sweetwater Creek
  - c. Alpine Creek

### East Fork Bridge

1. Ten yards of concrete was poured to construction joint in each column of South Pier. (Heated 40°-50°).
2. Form work completed for column of the South Pier.
3. The footings for the multi-plate cofferdam was formed, reinforced and poured with 7 yards of concrete.
4. South Pier footing cofferdam was pumped and bearing piles were cut off at required elevation. Other reinforcing steel

was set with in each cofferdam and the footings were placed. Total of 10.1 cubic yards of concrete was used.

#### Toklat River Bridge

1. Closed for winter 10/10/53.
2. Bearing piles driven but only two meet the minimum bearing specifications.
3. All material such as 14BP73 and timbers were moved to high ground for storage.

#### Dillingham to Aleknagik

1. Completed 7 miles of location.

#### Cadastral Survey

1. This year's project to the Granite Creek Bridge is complete as of 10/19/53. (Field work only)

#### Materials Engineer

1. Inspection and investigation of concrete, East Fork Bridge.
2. Inspection water line project on Romig Hill.
3. Concrete aggregate check at school pit, Cantwell and Teklinika Bridge, McKinley Park.
4. Crusher and asphalt site investigation for future paving contract Glenn A-2 and Anchorage-Elmendorf Alternate Through Route.
5. Soils work within the district.

#### Farm Road Survey

1. Completed line Fairview Loop-Hayflats Road. Total length 3.37 miles. Set last 2 miles construction stakes. Made one section line tie, completed burying and referencing all section corner monuments.
2. Ran 1.9 miles of new line for future construction on Palmer-Wasilla Road. Also completed profile in field and plotted same.
3. Completed one section line tie on Linn's Hill Line Change on Matanuska Road. Began stationing.

4. Completed four section line ties on Pittman-Houston Road.
5. Buried and referenced section corners in the following areas:
  - a. One corner Philo Avenue.
  - b. Three corners Peters Creek Road (Cross-referenced eight monuments).
  - c. Two corners Eagle River Road (Cross-referenced five monuments).

KRS/ab

E. J. White, District Engineer, Anchorage

September 23, 1953

K. R. Schedler, Office Engineer, Anchorage

Four Weeks Report

Caribou Creek and Little Nelchina River Bridges - Contract I-arc-4425

1. All complete except for the excavation claim which is to be decided by Juneau.

Anchorage-Elmendorf Alternate Through Route - Contract 14-04-002-84

1. Blue tops were set Sta. 40/00 to Sta. 239/00.
2. Slope stakes were set Sta. 0/00 to Sta. 300/00.
3. Stripping sections were taken and plotted of the following:
  - Pit 1 - Part 1 and 2
  - Pit 2
  - Pit 3
4. Cross-section fill sections were taken of material removed from cut sections.
5. The road has been brought up to grade Sta. 181/00 to 239/00 Muldoon Road. Sta. 0/00 to 34/00 Muldoon Road. Sta. 90/00 to Sta. 155 Muldoon and Tudor.
6. Culvert crews have begun installation of private driveway culverts.

Kenai

1. Location crew at Seldovia
  - a. "P" Line run to Sta. 227/00.
  - b. Profile and levels to Sta. 54/00.
  - c. Topography to Sta. 31/00.
2. Ran and staked curve for Deep Creek Bridge.
3. Staked out gravel pits.

#### Susitna-MacLaren Location Survey

1. "P" Line traverse to Sta. 1110/00.
2. "P" Line Profile to Sta. 950/00.
3. "P" Line Cross-Sections to Sta. 970/00.
4. "P" Line Materials Logging to Sta. 1000/00.
5. Made bridge site survey on Corkscrew Creek.

#### East Fork River Bridge - Work Order 155

1. Established centers for south pier footings and drove sheet pile.
2. Poured 5 1/4 yards of concrete south abutment.
3. Form work is being performed on the rear traverse beam and its steel reinforcement.
4. Inspection of construction, etc., as usual.
5. The 50 ft. timber truss detour bridge was washed out and was replaced.

#### Materials Engineering

1. Concrete aggregate field work on Granite Creek, Cascade Creek, Moose Creek and Chickaloon Bridge on Glenn Highway.
2. Inspection on city water contract Romig Hill.
3. Soils exploration CAA gravel pit Lake Otis Road.
4. Aggregate check Merrill Field crusher.
5. Recommendations on Through Route material and to the City of Anchorage on asphalt paving.

#### Farm Road Survey

1. Location of one mile of road at the end of O'Malley Road.
2. Brush and put in stripping stakes Abbott Parallel.
3. Brush 3/4 mile on Abbott Road Extension.

4. Set 3/4 mile stripping stakes at Eagle River and reset three section corners.
5. Set stakes for Dowling Road.
6. Brushed mile on new line to straighten Palmer-Wasilla Road.
7. Set two miles of construction and stripping stakes Fairview Loop to Hay Flats Road.

Cadastral Survey

1. Road centerline is run as far as Alpine Railroad Crossing and section ties are being consolidated to this point before progressing.

B. J. White, District Engineer, Anchorage

August 25, 1953

K. R. Schedler, Office Engineer, Anchorage

**Four-Weeks' Report**

Caribou Creek and Little Nelchina River Bridges - Contract I-arc-4425

1. The above contract was completed on August 7, 1953 and is ready for final inspection.
2. General cleanup, spot painting beams and bolts, grouting of crack on Caribou Bridge, alignment and painting of guard rail and post, applied waterproof joint compound in deck and rubbed finished curbs and wing posts prior to the above completion date.
3. Final report will be submitted following final inspection.

Anchorage-Elmendorf Alternate Through Route - Contract 11-01-002-84

1. Contractor began work on August 11, 1953, on the above contract.
2. All borrow pit cross-sectioned and plotted.
3. Plotted original cross-sections.
4. Reran and referenced the line of project.
5. Contractor has cleared and stripped Pits #2 and #3.
6. Construction began on road prism at Sta. 130.

Kenai

1. Anchor River Road

Ran the following:

- a. Two miles "P" line.
- b. Two miles stripping stakes.
- c. 9,000 feet centerline.
- d. 3,000 feet of slope stakes.
- e. 5,000 feet of profile.



2. Bernice Lake Road

Ran the following:

- a. 6,000 feet "P" line.
- b. 2,800 feet stripping stakes.

3. Miller Loop Road

- a. Ran one mile stripping stakes.

4. Beach from North Kenai Farm Road

- a. 3,400 feet "P" line.

Cantwell

1. Bridge site survey of Pass Creek.

2. Preliminary construction staking and survey Denali Highway.

Susitna-MacLaren Location Survey

1. "L" line traverse profile, cross-section, culverts, materials, bridge site surveys and design recommendations completed through Sta. 522/00. This will be the end of "L" line this year.

2. "P" line has progressed as follows:

- a. Line traverse Sta. 775/00.
- b. Cross-sections Sta. 700/00.
- c. Profile Sta. 720/00.
- d. Culvert survey Sta. 665/00.
- e. Materials investigation Sta. 800/00.

3. Bridge site surveys at the following:

- a. 10 Mile - Alpine Creek
- b. 12 Mile - Sweet Water Creek

4. Airstrip completed Mile 18. (Tote road partially built.)

5. Made reconnaissance to about 5 miles short of MacLaren.

East Fork River Bridge - W. O. 155

1. Eight cubic yards of concrete was placed in footing forms of the south abutment.

2. Two upstream columns were poured to the elevation of the base of the curtain wall.

3. Concrete placed for forward wall and columns of the abutment poured to include approximately two feet of the center column.
4. The reinforcing steel required for the three columns of the abutment not yet included in concrete placement was fabricated and placed.
5. Other project not direct construction of bridge.
  - a. Installation of wind plywood breakers to protect transit pipe.
  - b. Placing of 6" of gravel 150' long on detour road.
  - c. Transporting of steel across river for south abutment.

#### Materials Engineering

1. Inspection of patching on Glenn Highway.
2. Inspection of Little Nelchina River and Caribou Creek Bridges.
3. Preliminary report on Sterling Highway soils.
4. Cost estimate for asphalt paving--Park Service Headquarters, McKinley Park.
5. Road mix estimate Lake Otis Road.
6. Inspection surface treatment on Lake Otis, DeBarr Roads.
7. Soils work on Muldoon.

#### Farm Road Survey Crew

1. Pittman to Houston Road
  - a. Set 2.2 miles stripping stakes.
  - b. Set 2.9 miles construction stakes.
  - c. Extended final line one mile north side of the river.
2. Splees and Philo Road
  - a. Set 1/2 mile construction stakes.
3. Matanuska Line Change
  - a. Brushed line and set construction stakes.

4. Fairview Loop Road to Hayflats Road

- a. Set one mile stripping stakes.

5. Birchwood Small Tracts Road

- a. Set construction stakes and stripping stakes for petitioned road.

Cadastral Survey Crews

1. Glenn Highway Section B-1

- a. Ran 9 miles of the centerline of road and made section ties.
- b. Carried a bearing across Moose Creek Canyon in Sec. 2 of T18N, R2E.
- c. Located full and 1/4 section corner as needed by tie.

2. Seward-Anchorage

- a. Ran 4 miles of centerline and made section ties.
- b. Referenced all control points.
- c. Established bearings by ties and solar shots.
- d. Located full and 1/4 section corner as needed by tie.

E. J. White, District Engineer, Anchorage

July 28, 1953

K. R. Schedler, Office Engineer, Anchorage

**Four-weeks' Report**

Glenn A-2 - Contract 11-01-002-6

1. Final inspection was made July 18, 1953 and approved by letter from Mr. Niemi, July 23, 1953.
2. All quantities were calculated and final estimate prepared and submitted.

Caribou Creek and Nelchina River Bridge - Contract I-arc-4425

1. Caribou Creek Bridge completed and opened to traffic on July 21, 1953.
2. The fills will be completed approximately in about one week.
3. Little Nelchina River Bridge deck has been poured and is curing.
4. Installed all rail post and began bolting the guard rail.
5. The above bridge should be completed within the next four-week period.

Anchorage-Elmendorf Alternate Through Route

1. All gravel pits have been laid out and tied to centerline.
2. All Bench Marks are being rerun for check.
3. Grade books made up.

Kenai

1. Location of gravel pits.
2. Anchor River Road location.
3. Site survey Deep Creek Bridge.
4. Additional survey on North Kenai Farm Road.

### Susitna-MacLaren Location Survey

1. Soils logging "L" Line Sta. 16/80 to Sta. 315/00. (This work is being done by U.S.G.S. -- we furnish the cat.)
2. Drainage and culverts "L" Line Sta. 16/8 to Sta. 315/00.
3. "P" Line profile and cross-sections have been run to 195/00.
4. Bridge site survey being made at 6 Mile Creek.

### Materials Engineering

1. Inspection of the following was made this period:
  - a. Paving of Glenn A
  - b. Asphalt Plant
  - c. Seal coat aggregate crusher.
2. Ninety-six per cent of material test holes for reconstruction of the Sterling Highway completed.

### Farm Road Survey Crew

1. Set construction stakes for 3/4 mile on the Palmer-Wasilla Road and replaced two section corners.
2. Set construction stakes for Matanuska Road line change in the Echo Lake area.
3. One mile of final line and three miles of preliminary line are completed on the Fairview Loop to Hayflats Road.
4. Revised and lengthened line in Birchwood small tract area setting stakes for construction.

Note: Don't forget Konic

E.J. White, District Engineer, Anchorage

June 30, 1953

K. R. Schedler, Office Engineer, Anchorage

Four-weeks' Report

Glenn A-2, Contract 14-04-002-06

1. All engineering field work completed except for inspection.
2. Quantities are being worked up in office.
3. All construction completed except for clean-up.
4. Project should be ready for final inspection about July 1, 2 or 3, 1953.

Caribou Creek & Nelchina River Bridges - Contract I-arc-4425

1. Inspection of construction of both bridges.
2. Re-established centerline at Nelchina River Bridge from Sta. 1855 to Sta. 1880.
3. Completed slope stakes for the approach fills.
4. All concrete work completed on Caribou Creek Bridge except for the curing.
5. Erection completed on pier towers, deck I-beams and diaphragms.
6. Some of the bolts for the above erection will not meet the specification due to the thread extending within the bearing area, therefore, all bolts will be replaced in the pier cap and connecting diaphragms.
7. Approach fills are progressing on both bridges.

Anchorage-Elmendorf Alternate Through Route

1. Received specifications and plans for above project.
2. Set up files for all correspondence.

Farm Road Field Crews

1. Located and ran line in Birchwood small tracts area.
2. Staked bridge at Green Acres and Fish Creek.
3. Tied all but one section line on the Fish Creek-Goose Bay Road.
4. Sloped stake 2500 feet of Palmer-Wasilla line change.
5. Endeavored to locate suitable new location for the road at Matanuska but with no success.

6. Began location work on road from Hay flats to Fairview Loop Roads.

Susitna-MacLaren Survey - W.O. 1112

1. "L" line staked and referenced plus topography completed to Sta. 200-400.
2. "L" line profile and BM's completed to Sta. 200-400.
3. "L" line cross-sections - 150-400.
4. "P" line plotted and "L" projected to Sta. 323.
5. Tote road graded to next camp site.
6. Camp site and air strip completed.

Materials Engineering

1. Inspection of Glenn A asphalt plant and laydown of bituminous mat.
2. Soil inspection Glenn A-2, Sta. 415 to Sta. 432.
3. Inspection plant set-up at Merrill Field Pit for installation and gradation.
4. Materials Engineer made inspection trip to Cantwell of the following:
  - a. East Fork Toklat River Bridge Site
  - b. Nenana No. 1 and No. 2 Bridge Site
  - c. Susitna-MacLaren Survey (Soils and possible gravel)
  - d. Susitna River Bridge Site
5. Pit exploration Tudor Road
6. Material from Bridges construction and lab report work.
7. *Sterling Highway road way material test  
drilling began at 59 mile June 20, 1953*

KRS/ab

E. J. White, District Engineer, Anchorage

June 1, 1953

K. E. Schedler, Office Engineer, Anchorage

**Four-week Report**

Glenn A-2 Contract 14-04-002-06 Route 310

**Engineering:**

1. Final cross-sections were taken of Part 1 - Pit #7 and Part 4 - Pit #1.
2. All roadway cut sections were cross-sectioned.
3. Roadway excavation notes are being reduced, plotted and computed.
4. Pit stripping and final sections are being reduced, plotted and computed.
5. Grade and culvert inspection as required.

**Construction:**

1. All cut-sections completed.
2. All culverts installed.
3. All stripping and waste on roadway completed.
4. Channel change completed at Ship Creek and water diverted into new channel May 8, 1953.

Caribou Creek and Nelchina River Bridge - Contract I-arc-4425

**Engineering: Inspection of Construction Operation**

**Construction: Caribou**

1. Completed washing and hauling aggregate for deck pour.
2. Poured concrete for south abutment, backwall and wing-walls and finished concrete surface.
3. South pier bent was bolted and erected. Beams and diaphragms have been placed and bolted rigid.



4. Completed field welding and spot painting of the piers.
5. Assembling and erection of deck forms.

**Construction: Welchina**

1. Force account crews have completed delivery of unprocessed aggregate.
2. No steel for erection due to steel strike.

**Farm Road Field Crew**

**Engineering:**

1. Re-establish centerline from Fifth and Gabel through Fort Richardson for asphalt paving program.
2. Line on KFQD and Loop Road for paving course.
3. Ran line and established section ties of the following:
  - a. Dowling Road
  - b. Gilley Road
  - c. Eagle River Road

**Materials Engineering**

1. Drilled 40 soil boring with D-2 earth auger in Tudor Pit (No. 015990 BLM).
2. Made up soils profile and pit layout drawing at Tudor Rd.
3. Wrote soils report - Muldoon and Tudor Roads.
4. Inspection of Glenn A asphalt plant.
5. Check Merrill Field crusher.
6. Soils work Glenn A-2.

E. J. White, District Engineer, Anchorage

May 6, 1953

K. R. Schedler, Office Engineer, Anchorage

Four Weeks' Report

Glenn Highway, Section A-2, Contract 1h-04-002-6

1. Morrison-Knudsen Company began spring construction April 20, 1953.
2. The following is field work as completed by engineering crews --  
(Muldoon Connection and "H" Line.)
  - a. Slope stakes Sta. 150-320. (Slope staking was placed twice between Sta. 175-320, first to remove poor material - second for fill to grade.)
  - b. Staking of culverts.
  - c. Additional stripping cross-sections taken Pit No. 1 and 2.
  - d. Grade and culvert inspection.
3. The following construction work by contractors:
  - a. Installation of culverts Sta. 6+75, 176, 198 and 224.
  - b. Stripping 5,400 feet of line and additional borrow sections - Pit No. 1 and 2.
  - c. Began work on channel change at Ship Creek Bridge.
  - d. Cleared "H" Line.

Little Nelchina River and Caribou Creek Bridges, Contract I-arc-4425.

1. J. J. Badraun Company resumed work April 15, 1953.
2. The following is work accomplished by engineering personnel:
  - a. Inspection of steel rail piling.

- b. Layout of south abutment and check of previous layout points on Caribou Bridge.
  - c. Inspection of the pile driving for above abutment.
3. Contractor worked on the following projects:
- a. Driving piling south abutment.  
Wing piling to 44 ft. penetration.  
Battered piling to 33 ft. penetration.

Susitna-MaClaren Location Survey

- 1. Joe Bell, Location Engineer, arrived for duty April 15, 1953.
- 2. The following preparatory work was activated.
  - a. Familiarization of terrain from studying aerial photographs and topography sheets.
  - b. Plotting topography of west bank of MaClaren River at a possible bridge site, projecting tentative line, plotting profile and laying a tentative grade.
  - c. Study possible route through pass west of MaClaren River, not shown on topog sheets and plotting profile through this area by parallax measurements from aerial photos.

Anchorage-Elmendorf Alternate Through Route

- 1. The following data procured for reference and possible construction:
  - a. Center line, topog and levels -  
Sta. 281+40<sup>0</sup> to Sta. 334+28<sup>0</sup>.
  - b. Cross sections - Sta. 0+00 to Sta. 334+28<sup>0</sup>.
  - c. Test hole from Sta. 0+00 to Sta. 334+28<sup>0</sup>.

Re-establishing Farm Road Ties and Line

- 1. Center line, profile and topog of Lake Otus Road and East Firewood Lane.

Wm. J. Donner, Chief of Operations

April 7, 1953

Kenneth R. Schedler, Officer Engineer

Four Week Report

Glenn Highway, Section A-2 - Contract No. U-01-002-6

Personnel: Norman E. Smith, Bertel O. Olson, John Wiggin,  
Gunnar Navjord and Bruce Campbell.

1. Slope stakes for cut sections are placed throughout the complete project.
2. All pit notes have been reduced and plotted and volumes computed. (This includes mass diagram for overhaul).
3. Morrison-Knudsen Co., Inc. requested permission to disperse with construction as of March 11, 1953 for more favorable weather conditions.
4. Making field test for gravel pit.

Susitna Bridge Field Location

Personnel: Wister Williams, Robert Johnson and Bruce Campbell.

1. 1,400 feet of centerline and profile were run.
2. Set drill hole locations.
3. Placed hubs on East side of Susitna for location crew next Spring.
4. Drilling operation started on March 30.
5. Johnson and Campbell returned to Anchorage. Williams stayed at Susitna as Drilling Inspector.

Farm Road Survey at Anchor Point

Personnel: John Wiggin, Gunnar Navjord and Robert Hammel.

1. Location of bridge crossing Anchor River.
2. Locating road to accomodate greatest number of families and run centerline.

Anchorage-Elmendorf Alternate Through Route

Personnel: Jack Van Zanten, Winfield S. Tilton, Edwin H. Gibson and Donald Thomas.

1. Running of centerline and levels from Station 0+00 to Station 281+40<sup>0</sup>.

ANCHORAGE OFFICE

1. Drafting of Homer and Anchorage Area Vicinity A.R.C. Maintained Road Maps.
2. As-built, profile and plans, Cantwell-McKinley Park Route.

*Office Memorandum* • UNITED STATES GOVERNMENT

TO : Kenneth R. Schedler, Office Engineer, Anchorage DATE: March 17, 1953

FROM : Wm. J. Donner, Chief of Operations, Anchorage 

SUBJECT: Monthly Reports

Effective immediately the reporting period for monthly situation reports is advanced two weeks. No report is due until April 5, 1953. This report should cover the period of March 9 to April 5 inclusive, and reports should be submitted every four weeks thereafter.

Wm. J. Donner, Chief, Operations Division

February 26, 1953

Kenneth R. Schedler, Officer Engineer

Four Weeks Report

Glenn Highway, Section A-2 Contract No. 14-04-002-6

Personnel: Norman E. Smith, Bertel O. Olson, John Wiggin,  
Winfield S. Tilton, Gummer Navjord and Edward Gibson.

1. All pit clearing and burning has been completed. Pits No. 1 and 2 were partially stripped.
2. Cut sections have been made at Station 185.
3. Fill sections have been made at the following - Station 173+00 to Station 220+00 and Station 220+00 to Station 272+00.
4. To date all fill material has come from Pit #1 and #2. 2500 cubic yards are removed daily from Pit #1.
5. Cross-sections were taken, plotted and reduced of borrow pits #1 and #2.
6. Slope staking has begun on the section from Station 485 to Station 524.

Anchorage Office

Cantwell

Earl Grammer, Wister Williams, Robert Johnson and Robert Sadilek have been working on the following projects:

- a) Susitna River Crossing (Earl Grammer)
- b) Cantwell-McKinley Park (811) As-builts, profile and plans
- c) Cantwell-Summit (811) As-builts, profile and plans

Glenn B-2 W. S. Tilton Route 320

- a) Drafting of as-built line and profile.  
(Note: Full time cannot be given to this project due to the need of manpower on Glenn A-2)

Seward-Anchorage Gummer Navjord

- a) Drafting of as-built line and profile.  
(Note: Same as above)

No information on outlying areas.

Ma. J. Denner, Senior Highway Engineer

January 27, 1953

Kenneth R. Schedler, Force Account Highway Engineer

Four week report

**Anchorage Office**

- 1 - Following bridge sites were submitted to Headquarters: (tracings by W. S. Tilton)
  - (a) Carlo Creek (Cantwell)
  - (b) Jack River (Cantwell)
- 2 - Proposed Grade change was submitted to headquarters (tracings by W. S. Tilton & Kendal Branch)
  - (a) Nenana No. 1 (Cantwell)
  - (b) Nenana No. 2 (Cantwell)
- 3 - Cantwell - Earl Grammer, Wister Williams, & Robert Johnson worked on following projects.
  - (a) Cantwell to McKinley Park As - built, profile, plans, and complications.
- 4 - Kenai - Bruce Campbell worked on following projects
  - (a) Alaska Packers' R/W
  - (b) As built of followings: Army tracks, Beaver Loop, North Kenia Extension, Dock Road, & Moose River Loop Road.
- 5 - Goose Bay & Pittman Road - Edward Gibson
  - (a) As built.
- 6 - Structural Steel Beams (checking) John Wiggins, Wister Williams & Bruce Campbell.
- 7 - Receipt of and Installation of Omalid Machine (Sadilak & Schedler)
- 8 - Search & Compilation of Gravel Pits (Yoakum & Schedler)
  - (a) Submitted to Headquarters 1/22/53

**Report from Dillingham**

Only report received from outlying areas.

Reported heavy snow fall in clearing of drifts in area.



Wm. J. Donner, Senior Highway Engineer

Kenneth R. Schedler, Force Account Highway Engineer

Four Weeks Report

Cantwell

Cantwell-McKinley Park, Route 811 - Work Order 127

1. Jack River, North of Cantwell, has been diverted away from road. A canal 1,000 feet long by 24 feet wide was cut through Ox Bow thereby eliminating the repair of old dyke. There were 16,900 cubic yards of material moved by dozers.

2. Summit, Route 811.1 - Work Order 164  
Jack River, East of Cantwell, was diverted into an old channel. A canal 5,000 feet long by 24 feet wide has been completed. 17,000 cubic yards were moved by dozers.

3. The old office building at McKinley Park was moved to Cantwell and set on a temporary foundation, to be used as a school house. The mess hall and bunk house will be moved when conditions permit.

4. Material for three small bridges in McKinley Park was unloaded at the Park Station.

5. The furnace in the Cantwell living quarters building has been installed and in operation. Completion of duct work held up due to shortage of material.

6. Earl Grammer and survey crew left Cantwell on December 12, 1952. Field work completed prior to crew's departure:

- a) Completed Cantwell-McKinley Park Road traverse
- b) Ties to Cantwell Townsite survey
- c) Ties to Cantwell small tract survey
- d) Running precise levels over three miles of Cantwell-McKinley Park Road

Kenai

No reports - Survey crews in office.

## Kodiak

1. Abbert Road, Route 014 - Work Order 171  
Eleven Armco bins of retaining wall No. 6 have been completed and should cut out the remaining of this section. (Mr. Stover's opinion). Free haul of cut and grade rock along this section has widened and stabilized the roadbed to the required width. Blasting and grading from Station 7/50 to 9/00 has been completed except for drilling the ditch line. There is a vertical back slope through this section but the rock is hard and seems to be stable.
2. Spruce Cape Road-Mission Road, Route 014.1, Work Order 120  
Graveling consisted of widening and picking up grade, material haul 2,631 cubic yards.
3. Karluk Bridge Repair - Time involved 154½ hours by local residents. No report on work accomplished.
4. Snow removal - Route 014.1, Work Order 120 - Three to four inches over 12 miles of road.
5. John Wiggin returned to Anchorage on December 24, 1952  
Anchorage Office Force Account Crews
  - 1) Pittman as-builts
  - 2) Petition for road construction
  - 3) Alaska Packers Easement
  - 4) Free use gravel permits
  - 5) Bring A.R.C. Anchorage Local Map up to date
  - 6) Correcting levels and bench elevation - Cantwell Area
  - 7) Setting up engineering books by Route No. for card index system
  - 8) As-built Kenai Farm Roads
  - 9) Line changes - Abbert Road, Kodiak

## Dillingham and Wood River Roads

1. Hauled 150 cubic yards of gravel for small washouts on road to hospital.
2. Snow Removal.
3. Repair of equipment.

Wm. J. Donner, Senior Highway Engineer

December 3, 1952

Kenneth R. Schedler, Force Account Highway Engineer

Four-week Report

Kenai

North Kenai Farm Road

1. Made section ties for two days.
2. Chopped out centerline - 1 Mile.
3. Placed stripping stakes - 1 Mile.

Beaver Loop

1. Made section ties for three days.

Moose River Road

1. Made section ties for two days.

Homer Airport to Millers Landing Proposed Loop

1. Four days were spent procuring right-of-way from land owners and reconnaissance of proposed route.

Field survey crews arrived in Anchorage on November 21, 1952.

Ship Creek Survey

1. Established P. I.'s at convenient points to fit existing ground features and terrain.
2. Completed curves and referenced P. I.'s.
3. Ran centerline 27/94.2 plus additional short traverses.
4. Ran levels to all key points.
5. Physical and land topography within area of proposed line.
6. Crew consisted of three men - Bert Olson, Party Chief and two railroad men.
7. Work extended through the period November 3-11, 1952.

## Kodiak

### Abbert Road

1. Drilling and blasting is complete.
2. Road graded to 32 feet width between Stations 4/75 to 6/50.
3. Completed and backfilled nine Arco retaining bin walls at approximately Station 9/10.

### Construction 6th Street Extension

1. Have established roadway 20 feet wide and 1500 feet long using 1875 cubic yards of gravel.
2. Installation of two 12" x 30' culverts.

### Graveling Mill-Bay Road

1. Gravel and graded two bad glacier areas.
  - (a) Mile 1.0 - 483 cubic yards of gravel hauled.
  - (b) Mile 2.9 - 90 cubic yards of gravel hauled and installation of 12" x 30' culvert.

### Grading A.C.S. Road

1. Completed spot graveling with 252 cubic yards of gravel. This road is in fair condition.

Maintenance on other roads limited to grading.

## Farm Road Survey Crews

1. Re-establishing section corners and referencing same in Anchorage area.
2. Ran in line for Klatt's Road Extension and set stripping stakes.
3. Set pile stakes for Fish Creek and Cottonwood Creek Bridges.

Reports from other areas, such as Cantwell, etc., were not received this four-week period.

Wm. J. Donner, Senior Highway Engineer, Anchorage

November 4, 1952

Kenneth R. Schedlar, Highway Engineer Force Account, Anchorage

#### Four Week Report

The only reports received this last four weeks were from Kenai and a summary will follow by roads or location.

#### North Kenai Farm Roads

1. Ditch - Line was ran 3 miles.  
Profile and Design - 2½ miles
2. Set 1 mile stripping stakes.
3. Survey of Spur Road to beach in H.E.S. #74 and tie to main road. Also property ties of road to H.E.S. #74.
4. Made Section ties.

#### Beaver Creek Loop Road

1. Road tie to Alaska Packers Property at dock area.
2. Made drainage ditch survey.

#### North Kenai Extension

1. Reconnaissance line - 4 miles
2. Preliminary Survey run - 4,500 feet
3. Brushed out location line 2 miles.

#### Moose River Road

1. Centerline replaced - 6,200 feet
2. Ditch stakes set for 4,000 feet
3. Set slope stakes - 1,000 feet
4. Section monuments replaced and covered, and bearing trees marked.

#### Alcatraz Road

1. Location line run - 1 mile
2. Stripping points set - 1 mile

#### Miscellaneous

Corner ties Alaska Packers Property Section monument records.

Mr. J. Donner, Senior Highway Engineer

October 8, 1952

K. R. Schedler, Force Account Highway Engineer

Four Weeks Report

Kenai - (Eugene J. Bvancoe, Resident Engineer)

Moose River Road

1. Four miles ditch stakes.
2. Six miles of center line (re-ran after stripping).
3. Set two miles of stripping stakes.
4. Set one and a half miles construction stakes.

Alcatraz Road

1. Ran reconnaissance for route location approximately five miles and located one mile.
2. Center line, profile, grade and slope stakes ran for 2,000 feet.

Cantwell - (Peter J. Bagoy, General Foreman)

McKinley Park Maintenance

1. Ditched and gravelled one mile of road along the Park Service water line ditch at Mile 3.
2. Cut brush at Mile 28 and 29.
3. Repaired bridges at Mile 12.8.
4. Hauled gravel to Park Headquarters residential area.
5. Spot gravelled Miles 68, 69, 70 and 87.
6. Surface maintenance, 45 miles.
7. Plowed snow over Stoney Hill (3 miles)

McKinley Park Construction - East Fork Bridge (Report, McAlister)

1. 8% complete to date.
2. All excavation complete North Abutment, and Northwest pier footing has been dug to bedrock.
3. 250 yards remain to be excavated on South Abutment and three pier footings, amounting to 65% total excavation.
4. North Abutment superstructure is 30% complete. Parts of the outside walls of the East and West curtain walls are completed.

5. Reinforcing steel has been placed and tied in the three South columns of the North Abutment, and parts of the South, West and East curtain walls are complete. (35% of the steel in the North Abutment has been placed).
6. Twenty-five percent of the bridge materials has been delivered to the bridge site.
7. Detour road was constructed.

#### McKinley Park Maintenance and Construction

1. Cut down approaches to Savage River Bridge. Cleaned up abutments and scrap material at old bridge.
2. Completed Yanert Trail, 15,900 feet.
3. Completed Headquarters Trail, 7,200 feet.
4. Fill Savage River Bridge approach, 4,460 cubic yards.
5. Fill Mile 3, McKinley Park Road, 1,800 cubic yards.

#### McKinley Park - (L. E. Grammer, Locating Engineer)

1. Bridge site data Teklanika Bridge received October 4, 1952; to be submitted to Juneau approximately October 10, 1952.
2. To secure as-built line data of Cantwell-McKinley Park Road, it will take three additional weeks' time providing weather conditions are favorable.

#### Gold Creek - ( Wm. Weber )

1. Three miles of road constructed this season.
2. Moving camp to approximately  $149^{\circ} 36'$  -  $62^{\circ} 48'$  U.S.G.S. Talkeetna Mountains D-6.

S. DEPARTMENT OF THE INTERIOR  
ALASKA ROAD COMMISSION

Wm. J. Donner, Senior Highway Engineer, Anchorage

September 9, 1952

K. R. Schedler, Office Engineer, Anchorage

Four Week Summary

Seward - Anchorage Section "D"

1. The project was completed August 23, 1952, that is the contractors construction. The quantities are being assembled for monthly estimate but will not be complete enough for a final estimate to be submitted.
2. Reference is made to a letter dated August 26, 1952 from E. J. White to Headquarters stating, "Mr. A. F. Ghiglione semi-finally inspected project on August 20, 1952. Final inspection was made by the district after the contractor had completed construction." (Final construction amounted to small patches, dressing up and seal coating small area.)
3. Reference to a letter dated September 4, 1952 to S. Birch & Sons Construction Company, C.F. Lytle Company and Green Construction Company from Wm. J. Niemi stating "Seward-Anchorage Highway, Contract No. I-arc-4367 has been found satisfactory and is hereby accepted."
4. Field crew returned from Rainbow September 2, 1952.
5. Completion dates not covered by last Four Week Report:
  - (a) Seal-coat and chips August 23, 1952
  - (b) Patching of small areas August 23, 1952

Glenn B-2

1. Only activity is the calculation of final quantities by Mr. Leon La Cross and Mr. Robert Sadilek.
2. Final quantities not in the stage to be included in this four week period or next period.
- 3 Reference is made to a letter on file to Babler & Rogers Construction Company dated August 22, 1952 from Mr. Wm. J. Niemi accepting it as of August 14, 1952 with provisions. Ten thousand dollars was set aside for these provisions.



4. Semi-Final Estimate #1 was made up and is to be submitted. Quantities did not change from previous estimate.

#### Eklutna River Bridge

1. Final Estimate was submitted August 28, 1952.
  - (a) Force account sheets for Extra Work Order No. 2 and 3.

#### Fort Richardson By-Pass

1. Check of Army tie.
2. Bid to be let this month.
3. Received prints on the route to be used.

#### Little Nelchina River Bridge

1. Mr. Leitzell was transferred from Valdez to replace Mr. La Cross as Resident Engineer on Contract No. I-arc-4425.
2. All pile driving was completed on piers September 2, 1952 and equipment will be moved to Caribou Creek Bridge. Average penetration was 21 feet and average bearing 29 tons per pile.
3. Total stock pile aggregate to date for concrete mix 463 cu. yds.
4. All concrete has been poured except west pier.

#### Caribou Creek Bridge

1. Excavation on piers complete.
2. On Little Nelchina and Caribou Bridges J. J. Badraun Company sub-contracted the prefabrication of steel piles to Arctic welding service of Fairbanks, Alaska

Kenai Farm Roads - To be completed by Senior Highway Engineer

Cantwell - To be completed by Senior Highway Engineer

Taklat and East Fork River Bridge - To be completed by Senior Highway Engineer

To Wm J. Danner  
FM Kenneth Hedler

FOUR WEEK SUMMARY

Seward-Anchorage Section "D"

1. Base course was completed on the evening of July 24 between Bird Point and Girdwood. Base course material came from Girdwood Pit.
2. The last prime was applied August 7. The crews worked to 12:30 to complete this phase to facilitate the five-day curing period before beginning the last stretch of paving.
3. Paving will be completed on August 13 closing the one-mile gap between Potter and Little Rabbit Creek.
4. Shoulder material has followed the laying of the mat and will be completed August 16.
5. All culverts were in as of July 23.
6. Seal-coating is scheduled to begin August 12 at the split between Bell and Rainbow Pits and at the Anchorage end beginning with Fireweed Lane.

Glenn B-2

1. Base course and prime were completed prior to this report.
2. Paving was complete just prior to this report between the dates of July 5-7.
3. The last seal-coat operation was completed July 15 between M.P. 102-107.
4. All engineering personnel were moved from field quarters on July 28.
5. Mr. LaCross and Mr. Sadilek are working up quantities for Final Cost of Government Report in the Anchorage Office. The balance of engineers were transferred to different projects or other districts.

Eklutna River Bridge

1. Work Order No. 2 and 3 were received from Juneau to be signed.
2. Mr. <sup>Rowe</sup> Rowe, Office Manager for Munter Construction Company, Inc., signed Work Order No. 3, but he would not sign Work Order No. 2, as he felt it should be left until an agreement could be reached on the cost figure. Our force account cost for Work Order No. 3 came to \$1,238.13.
3. Final estimate is pending until the acceptance of the bridge.
4. There has been no work done during this last four-week period.

### Fort Richardson By-Pass

1. Alternate Lines "E" and "F" were run and tied down. Cross sections and profile were taken of these lines.

2. Mr. Bond, from Real Estate Branch, Headquarters, Juneau, ran a property survey through Sections 16 and 15.

3. Referencing of revision lines were being made.

4. Considerable discussions took place by public-spirited people of Mountain View on the route of the By-Pass.

5. All preliminary survey has been completed as of August 1.

### Little Nelchina River Bridge

1. Fill material for approaches to the bridge is complete.

2. All of the aggregate to be processed for the concrete has been hauled to the bridge site from gravel pit at Mile 144.

3. All of the piling for the East abutment has been driven.

4. The railroad rails are stock piled at the bridge site for prefabrication into piling. Ten percent of the piling prefabrication has been completed.

### Caribou Creek Bridge

1. Only ten percent of rails have been hauled to the bridge site.

### Toklat and East Fork River Bridge

1. Camp area has been established and set up.

2. Mr. Thoresen has resigned and Mr. McAlister left August 9 to replace him.

3. Center line of bridge was run and abutments where located.

### KENAI FARM ROADS