

E. J. White, District Engineer, Anchorage

August 25, 1954

Alaska Road Commission, Anchorage

Four-Weeks' Report

Anchorage Area Paving - Contract No. 11-01-002-113

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 tracing paper.

### 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.

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