



Alaska Surveying & Mapping Conference 2015

## "The Older I Get, the Less I Know..."

This is not <u>always</u> a bad thing!

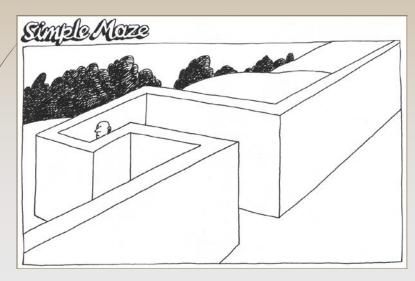


#### "The Older I Get, the Less I Know..."

- This is not a bad thing!
- We grow in experience & education
- /Unlike our kids, we never know everything!
- The more we know what we don't know
- So relax and peel back another layer of the "Onion"

# A Surveyor's Dilemma...

What does a surveyor know about ROW?
 Retracement: Locate existing ROW
 Subdivision: Establish new ROW



# A Surveyor's Dilemma...

- What does a surveyor know about ROW?
   Retracement: Locate existing ROW
   Subdivision: Establish new ROW
- Existing ROW is anything but uniform!
   Authorities vary
   Interests vary
   Widths vary
- "A Patchwork Quilt of Title Interests..."



**Nome-Council Road MP 14-32** 

Mapping the Right-of-Way at Statehood

# **Getting Started**

This mapping project a long time in the making



1899 Map of Nome Mining District

# **Getting Started**

- This mapping project a long time in the making
- Why so long? Title transferred in 1959...
- ROW mapping was not considered a priority
- Portions of primary system still without mapping
- MP 14-32 Last gap on Nome-Council road
- Storm damage resulted relocation of road
- 2011 "Snowicane" Equal to Cat 4 Hurricane
- Where is the ROW?...no...Where is the road?
- Federal funds require ROW "certification"
- ER funds waiver if road reconstructed in original location
- Continual lobbying for mapping funds
- Too much money....too little time

# **Getting Started**

 Mapping funded as a part of "Nome Sea Storm Permanent Repairs – November 2011"

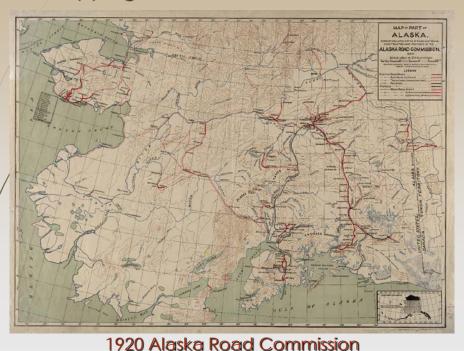


# **Getting Started**

- Mapping funded as a part of "Nome Sea Storm Permanent Repairs – November 2011"
- Issued to R&M Consultants under DOT&PF Northern Region Survey Term Contract
- NTP issued August 2013
- Aerial Photography & Field Surveys compete by end of the year
- Retired in May 2014 29 years with Dept. of Highways and DOT&PF
- Joined R&M Consultants Fairbanks
- Great opportunity to see project taken to completion

# **Finding the Historic ROW**

Mapping PLO ROW – Best Evidence



# Finding the Historic ROW

- Mapping PLO ROW Best Evidence
- Locate Centerline: By Survey or Photography
- Has Centerline Moved Since Statehood?
- Fit Geometry: Tangents & Curves
- Offset PLO Right-of-Way Width
- Ties to Adjoining Surveys & Boundaries
- What is Senior? PLO or Prior Land Actions
- Lands: State, Federal, ANCSA, Private & N/A
- Prior Mapping: USGS Quad 1950
  - Scale 1:63,360
  - Quality of Photography
  - Cartographic License

### **Research Elements**

- Nome-Council Road (Current)
  - Area History
  - Aerial Photography
  - Construction & Maintenance Records
  - Other Public Mapping Records
  - Background Interviews
  - Public Land Orders
  - Public Easements by Prescription
  - Floating Easements
  - Federal Right-of-Way Grants
  - Native Allotment Use & Occupancy

#### **Research Elements**

- Nome-Council Road (Old Loop)
  - Public Land Orders
  - Omnibus Act Quitclaim Deed Issues
  - ROW Jurisdiction & Management
  - RS-2477 Trails & Territorial Act of 1917
  - Other Public Mapping Records

## **Research Elements**

- ROW Issue Qualifiers
  - Context What were they thinking?
  - Location Where is it at?
  - Width Specified or?
  - Interest Easement, fee, or?
  - Policy Agency Position
  - !!! Holy Cow! This was kind of cool!!!

# **Area History**

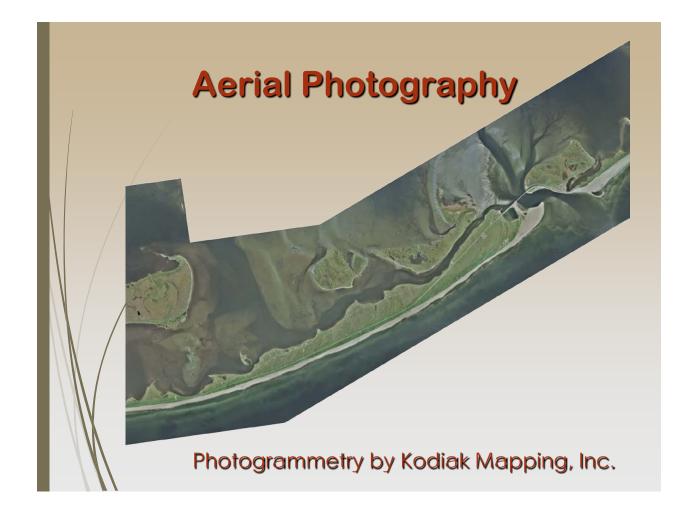
- 1898 Gold Discovery in Council Initiates Road
- 1904 Road & Bridge to MP3 Private Toll Facilities
- 1905 Alaska Road Commission Established
- Extensive ARC Maintenance in Support of Mining



# **Area History**

- 1913 storm destroys Nome in part, all of Solomon, large sections of the road and all of the bridges!
- 100 years later, Mother Nature still in control...
- If anyone sees Wyatt, tell him to stop in Juneau on his way home to pick up his pistol!!!

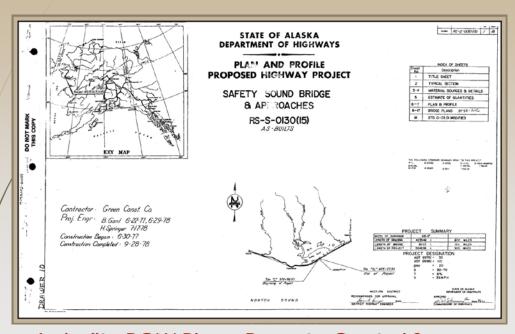




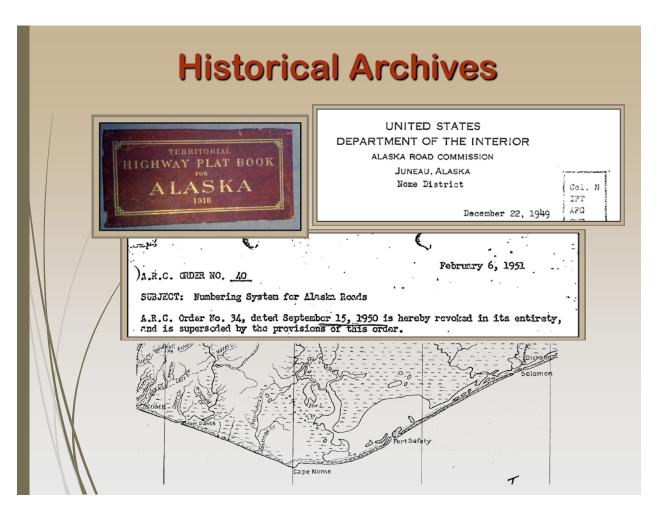
# **Aerial Photography**

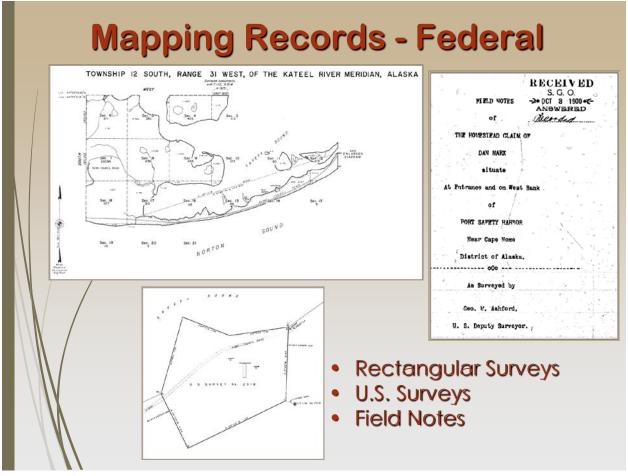
- Photogrammetry by Kodiak Mapping, Inc.
- 2013 photos acquired for as-built & design
- Existing road edge digitized with centerline splits established every 500 feet
- Best fit centerline to DOT&PF 95/5 standard
- 1950 Army Map Service for historical photos basis of USGS Solomon B-6 Quad
- 1962 BLM photos: better imagery & date clearly reflects realignment and old loop

# Construction & Maintenance Records



As-builts, ROW Plans, Reports, Control Surveys





#### **Land Records - Federal**

F-14908-B

#### The United States of America

To all to whom these presents shall come, Greeting:

WHEREAS

Sitnasuak Native Corporation

is entitled to a Land Patent pursuant to Sec. 14(a) of the Alaska Native Claims Settlement Act of December 18, 1971 (43 U.S.C. 1601, 1613(a)), for the surface estate in the following described lands:

#### WAR DEPARTMENT, WASHINGTON.

J.A.G.O. (18575)

September 18, 1905.

THE PRESIDENT:

I have the honor to recommend the reservation, for military purposes, subject to private rights, of all public lands at Safety Harbor and Old Woman, Alaska, included within boundaries described, respectively, as

1.---At SAFETY HARBOR:Starting from an initial ake marked "No. 1, N.E. cor. U.S.M.R." true West

- Land Reservations
- **ANCSA Patents**
- **Allotment Certificates**

Fairbanks 031650

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Anchorage, Alaska

NATIVE ALLOTMENT

IT IS HEREBY CERTIFIED That pursuant to the authority delegated to him by Bureau Order No. 701, as amended December 18, 1964 (29 F.R. 18393) of the Director of the Bureau of Land Management, the Land Office Managor, Auchorage Land Office on October 25, 1974, approved the Application, Fairbanks Gerial Number F-031650, of John H. Bahnke of Waman, Alaska, filed pursuant to the Act of May 17, 1906 (34 Stat. 197; 84 U.S.C. 377), as smemaded, for:

Lot 87, U.S. Survey No. 4107, Alaska, situated on a spit of land between Norton Sound and Safety Sound.

Containing 3.65 acres:

Therefore, let it be known that pursuant to the said Act of May 17, 1906, as amended, the land above described shall be deemed the homestead of the allottee and his heirs in perpetuity, and shall be inalienable and nontaxable until otherwise provided by Congress or until the Secretary of the Interior or his delegate, pursuant to the provisions of the said Act of May 17, 1906, as amended, approves a deed of conveyance vesting in the purchaser a complete title to the

## **Public Land Records**

2014-000531-0

Recording District 201 Nome 05/23/2014 11:34 AM Page 1 of 3

#### 

978 2744

DEED

THIS DEED, made and entered into this 29th day of Nulsus T. Two Thousand and Thirteen, by and between Emerson Conger, Alaska Native of PO Box 1333, Nome, AK 99762, Grantor, and Alaska Missions and Retreats, an Alaskan Non Profit Corporation, of PO Box 230851, Anchorage, AK 99523, Grantee. This conveyance is made pursuant to the Native Allotment Act of May 17, 1906 (34 Stat. 197), as amended by the Act of August 2, 1956 (70 Stat. 954) and 25 CFR 152.26(d).

WITNESSETH, that Grantor, for and in consideration of the sum of Twenty Thousand and nor/100 Dollars (\$20,000.00), in hand paid, the receipt of which is hereby acknowledged, does hereby convey and warrant unto said Grantee the following described real estate and premises in the State of Alaska, and more particularly described as follows:

Lot Forty Nine A (49A), Nook 1993 Subdivision, within T. 12 S., R. 31 W., Sections 15 and 16, Kateel River Meridian, U.S. Survey No. 4107, containing 1.31 Acres (more or less), according to Plat 94-7, as filed in the Cape Nome Recording District.

NOOK 1993 SUBDIVISION A REPLAT OF LOTS 46, 47, 48 AND 49 OF U.S. SURVEY NO. 4107 Near Port Safety, Alaska LYING WITHIN PROTRACTED SECTION 15, TOWNSHIP 12 SOUTH, RANGE 31 WEST, KATEEL RIVER MERIDIAN, ALASKA CAPE NOME RECORDING DISTRICT THE WHOLE THEREOF CONTAINING 16.42 ACRES, MORE OR LESS Alaska Rim Engineering PO. BOX 2749

Alaska Rim Engineering PALMER, ALASKA 99646

Engineers Planners Surveyors PHONEBOT/1745-0222

TAX 1907/746-0222

DATE: SEP. 1993 SCALE: 1" = 100'
CHECKED BY: ... SHEET 1 OF 1 W.O. 93-N02022 DRAWN BY: J.M.C.

COMMISSIONER'S DEED OF VACATION BOOK 288

PAGE 79/ Name Recording District

The Grantor, State of Alaska, acting by and through its Department of Highways acting under the authority of the Alaska Statutes, Section 19.05.070, conveys, quitclaims and otherwise vacates unto Valerie Sobocienski all interest of whatsoever nature which it has, in the following described real property situated in the State of Alaska, to wit:

A tract of land situate in the existing right of way of the Nome-Council Road in U.S. Survey 480 in Protracted Sections 6

- Deeds
- Vacations
- Subdivisions

# **Background Interviews**



- May help to fill in some historical gaps
- Evan Booth: "Yes, the ferry was in operated by the Dept. of Highways until the bridge opened. I was 8 years old when I first crossed."

# **Nome-Council Road (Current)**



**Train to Nowhere** 

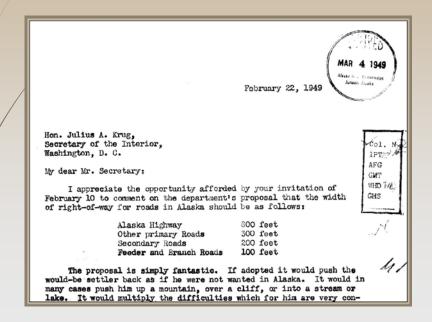
#### **Public Land Orders**



Arthur Gibson Map - 1904

#### **Public Land Orders**

 The easy part – Most Omnibus QCD ROW are PLO based due to large federal land holdings



#### **Public Land Orders**

- The easy part Most Omnibus QCD ROW are
   PLO based due to large federal land holdings
- Prior to PLO, primary basis for ROW was RS-2477
- PLO 601- August 10, 1949 Withdrawals
  - Classified: "Through", "Feeder" & "Local"
  - Location: centerline based
  - Widths: 300', 200' or 100'
  - Subject to valid existing rights
- SO 2665 1951- Feeder/Local now easements
- Federal/State/ANCSA generally subject to PLO
- Homestead, mineral and other federal patents
   a native allotments require more analysis
- 200' PLO ROW applied to most of project

#### **Public Easements by Prescription**

When the road footprint is outside of the ROW

#### adn.com

Anchorage Daily News

#### Senate passes bill to stop 'legal thievery' of property SQUATTERS: Measure would stop them from gaining title to land.

The Associated Press

(Published: May 14, 2003)

KENAI -- The Alaska Senate has passed a bill that would wipe the 800-year-old common law doctrine of adverse possession from Alaska law.

Senate Bill 93, sponsored by Sen. Tom Wagoner, R-Kenai, repeals Alaska's adverse possession law. The doctrine, which first was established in the Middle Ages, could allow squatters on private property to legally assume ownership of that property under certain well-defined conditions.

Wagoner said it is a doctrine the state should abandon.

#### **Public Easements by Prescription**

- When the road footprint is outside of the ROW
- Adverse Possession By long public use
- For a "prescribed" period of time
- Creates an easement for public access
- No compensation required
- Inverse condemnation
  - By agency with eminent domain authority
  - Inadvertent taking by errant construction
  - Taking by agency representations
  - Generally, the only issue is compensation

### **Public Easements by Prescription**

Is this a viable tool? Maybe not!

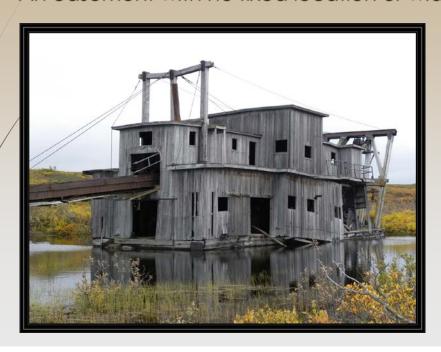


#### **Public Easements by Prescription**

- Is this a viable tool? Maybe not!
- ANCSA Lands
  - Federal protection against adverse possession for undeveloped ANCSA lands
  - Inverse Condemnation not prohibited
- Native Allotments
  - No adverse possession against trust lands
  - Inverse condemnation not applicable
- Federal & State lands: adverse possession
  - Case law and statutory prohibitions
- ANCSA lands and allotments may be condemned with payment of just compensation

# Floating Easements

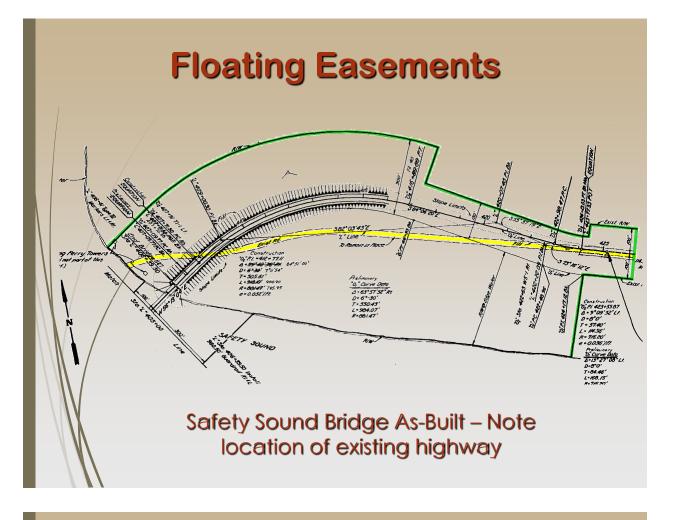
An easement with no fixed location or width



# **Floating Easements**

- An easement with no fixed location or width
- Similar to a "blanket" easement in that they tend to hinder development due to their location and size being indefinite and uncertain
- SO 2665 easements for new construction and '47 Act reservations would be considered to be "floating easements" (ROW Act of 1966)
- The Safety Sound Bridge ROW plans applied the 200' wide PLO ROW as a "floating easement



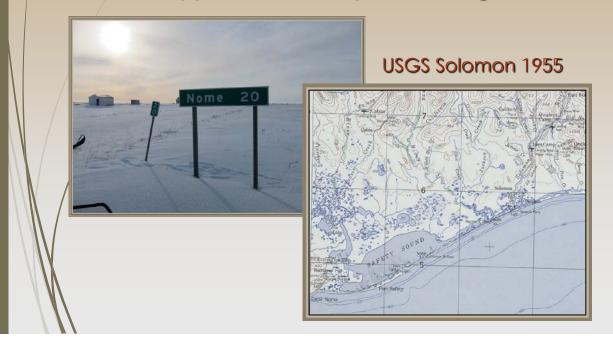


# Floating Easements

- The proposed centerline is x-hatched as the existing PLO ROW
- 1971 DOH Commissioner and BLM Director agree to consider PLO easement as "floating" to minimize the paperwork required to acquire new ROW and vacate old
- 1976 BLM to DOH: Stop doing that!
- In recognition of NEPA & ANCSA
- ROW mappers "didn't get the memo..."
- As new project ROW was acquired under BLM Grant, "floating easement" was not an issue

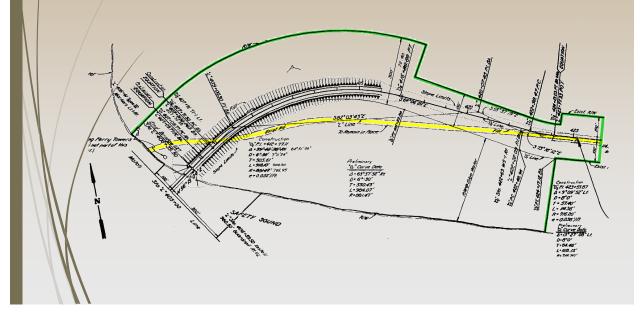
# **Federal Right of Way Grants**

East approach to Safety Sound Bridge



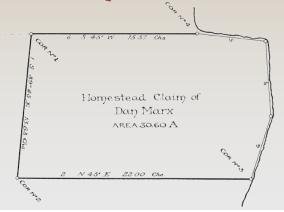
# **Federal Right of Way Grants**

- East approach to Safety Sound Bridge
- Construction staff found alignment problem



# **Federal Right of Way Grants**

- East approach to Safety Sound Bridge
- Construction staff found alignment problem
- Planned geometry would fall almost 100' to the north of the existing road
- Did designer use ROW as the centerline tie?
- Or was it the survey control tie to USS 480?



# **Federal Right of Way Grants**

- East approach to Safety Sound Bridge
- Construction staff found alignment problem
- Planned geometry would fall almost 100' to the north of the existing road
- Did designer use ROW as the centerline tie?
- Or was it the survey control tie to USS 480?
- Did construction surveyor use wrong control?
- How should it be solved?
  - Acquire more ROW
  - Field adjust centerline curve to fit
- Ultimately, the survey & mapping errors were absorbed by holding the BLM Grant description and controlling it with the bridge

# Use & Occupancy Native Allotments



# **Use & Occupancy**

- PLO subject to valid existing rights
- U&O dates preceded PLO 601 on 8 allotments
- Did Omnibus QCD create a cloud on N/A title?
- Aguilar v. United States 1979 Native Allotments
- U.S. obligated to recover title for allotee
- Omnibus QCD interests subject to Aguilar title recovery process
- DNR can negotiate title recovery process
  - Title recovery request may be rejected
  - May be subject to easements
- U.S. can and may sue to recover title
- Policy: Assert as valid until shown the contrary

#### **Old Nome-Council Road**



**Corner Ties at Safety Sound** 

#### **Old Nome-Council Road**

- 1953 realignment resulted in 2.5 mile loop
- The loop was not assigned a route number
- The loop was not named in the Omnibus QCD
- Status of Old Nome-Council Road?
  - Is it a public right-of-way?
  - Is it the 200-foot wide PLO ROW?
  - If not, what is the basis and width?
  - Does DOT own and manage the road?
  - Other title & policy issues?

#### **Public Land Orders**

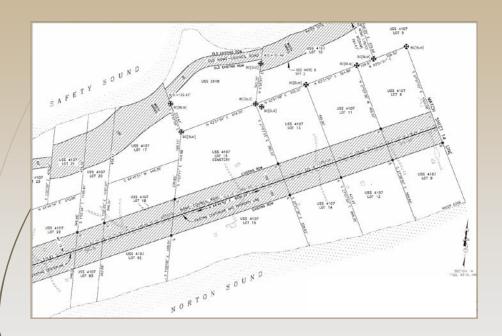
 Initial ROS showed Old Nome-Council road crossing 30 separate parcels

[Public Land Order 601]
ALASKA

RESERVING PUBLIC LANDS FOR HIGHWAY
PURPOSES

By virtue of the authority vested in the President and pursuant to Executive Order No. 9337 of April 24, 1943, it is ordered as follows:

#### **Public Land Orders**



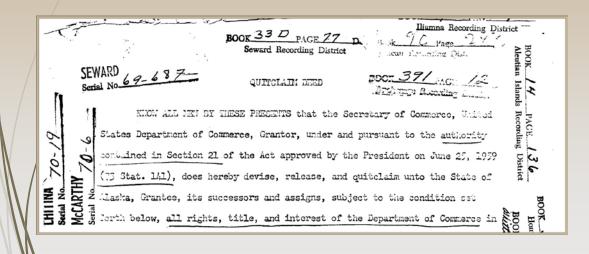
PLO 200' ROW applied to old and new roads

#### **Public Land Orders**

- Initial ROS showed Old Nome-Council road crossing 30 separate parcels
- PLO 200' ROW applied to old and new roads
- PLO not applied to 3 allotments with use & occupancy dates prior to PLO 601

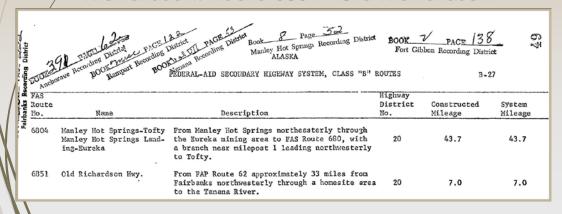
#### **Omnibus Quitclaim Deed Issues**

Should both old & new routes be 200' ROW?



#### **Omnibus Quitclaim Deed Issues**

- Should both old & new routes be 200' ROW?
- "Through" & "Feeder" routes have been realigned with "Local" status assigned to old alignment...then named in Omnibus QCD
  - /Tok-Cutoff: Route 8921 Mentasta Spur
  - Richardson: Route 6851 Old Richardson



#### **Omnibus Quitclaim Deed Issues**

- Should both old & new routes be 200' ROW?
- "Through" & "Feeder" routes have been realigned with "Local" status assigned to old alignment...then named in Omnibus QCD
  - Tok-Cutoff: Route 8921 Mentasta Spur
  - Richardson: Route 6851 Old Richardson
  - /Should assertion be limited to 100-feet?
    - Clearly meets requirements for PLO ROW
    - No written DOT&PF Policy
    - Discussed in prior correspondence with BLM
    - DOT accepted recommendation of 100' ROW
    - Quasi Estoppel would lock in assertion

# **ROW Jurisdiction & Management**

The old loop is subject to a 100" PLO ROW



OR



# **ROW Jurisdiction & Management**

- The old loop is subject to a 100' PLO ROW
- Not conveyed by Omnibus QCD to the State
- What is ROW where allotment use & occupancy precedes PLO 601 date?
- No "Aguilar" allotment reconveyance issue
- Old loop is effectively an "orphan" road
  - Similar to roads in Unorganized Borough
  - Or Boroughs without road powers (FNSB)
  - Outside of city jurisdiction
  - Outside of Service district
- Management may be assumed at later date by an authorized entity

#### **Patent Reservations**

Conflicting reservation in allotment certificate



#### **Patent Reservations**

- Conflicting reservation in allotment certificate
- "This allotment is subject to an easement for highway purposes, extending 100 feet each side of the centerline of the old Nome-Council Road and transferred to the State of Alaska pursuant to the quitclaim deed dated June 20, 1959."
- "subject to" can create problems in deeds
- Often confused with intent to reserve a right
- Does it create a right in this conveyance...or is it just an error?
- Methonen v. Stone Alaska 1997 intention must be clear...ambiguities resolved in favor of land use free of easements.
- PLO assertion was limited to 100-feet

# RS-2477 Trails & 1917 Territorial ROW Act

Allotment Use & Occupancy precedes PLO 601



1900 Map of Cape Nome and Golovin Bay

# RS-2477 Trails & 1917 Territorial ROW Act

- Allotment Use & Occupancy precedes PLO 601
- "Aguilar" does not apply
- Alottee's interest subject to valid existing rights
- Allotments are subject to valid RS-2477 ROW
- Including the 3 allotments on the old loop road
- But, what is the width of the RS-2477 ROW?
  - "ditch to ditch"...public user footprint?
  - 66' based on 1923 territorial acceptance?
  - 100' based on A.S. 19.10.015 declaration?
  - 60' based on Territorial Act of 1917?

# RS-2477 Trails & 1917 Territorial ROW Act

- 60' based on Territorial Act of 1917
  - "The lawful width of right-of-way of all roads or trails shall be sixty feet (60)."
- Territorial funds had been used on old loop
- 1917 Act did not serve to create rights-of-way
- Acts as a an acceptance of the RS-2477 Grant
- Reflected local law or custom with regard to standard width of a highway.
- 60' accepted for RS-2477 ROW across allotment

## Summary

- ROW mapping of the Nome-Council road presented a variety of issues, some we have seen before and a few that were new.
- The state's assertion of the highway ROW is now fixed in the ROS and will be reproducible after future storms.
- ROS will serve to protect the rights of adjoining owners.

