Preliminary Plans

GENERAL NOTES

1. VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO USE. ON MULTI-YEAR PROJECTS, VERIFY ALL CONTROL ON A SEASONAL BASE.
2. BACKGROUND MAPPING IS SHOWN FOR ORIENTATION PURPOSES ONLY. THIS SHEET DOES NOT PURPORT TO DEFINE ROADS OR WAYS.
3. ALL DISTANCES SHOWN ARE GROUND DISTANCES, IN U.S. SURVEY FEET.
4. THIS PROJECT IS LOCATED ENTIRELY WITHIN A MODIFIED HENDRICKS PLANE.

PROJECTION, ORIENTATION

TRUE ORTHOMAP MOD
LINEAR UNIT U.S. SURVEY FOOT (SDT)
SATELLITE NAVIGATION
PROJECTION: TRANSVERSE MERCATOR
CENTRAL MERIDIAN AND ORD ORIGIN: 198 W
EASTING ORIGIN: 1,239,750 FT
SOUTH ORIGIN: 1,239,750 FT
SCALE FACTOR AT ORIGIN: 0.99998107 (EXACT)

BASE OF READING IS NASSA PLANE ZONE 3

OPUS AVERAGED POSITION OF RESIDUAL LOS'S 7.0', POINT WXX.

BASE OF READING IS NASSA PLANE ZONE 3

BASE OF ELEVATIONS IS THE NASSA AVERAGED GEODESIC (NAVD88)
ELEVATION OF 133.30 FT AT "2", POINT WXX.

LEGEND

- NOS MONUMENT FOUND
- BLM MONUMENT FOUND
- PRIMARY MONUMENT FOUND
- REPAIR AND CAP FOUND
- SPIKE SET
- METAL PIN
- CONCRETE R.O.W. MONUMENT

CONTROL MONUMENTS

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CONCRETE R.O.W. MONUMENT NEAR PROJECT

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GRAPHIC SCALE

SURVEY CONTROL

preliminary Plans
Preliminary Plans

TABLE OF ESTIMATING FACTORS

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PRELIMINARY QUANTITIES

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TABLE OF LUMP SUM QUANTITIES

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STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

THEFT: 4 of 31
DATE: JAN 2022
0851037/TWY105339

COPPER MINE LEAD LUMP SUM QUANTITIES
Preliminary Plans

Typical Section A: Parking Lot

Typical Section B: Camp Loop Road (Entrance from McCarthy Rd to Copper River Boat Launch) and Connector Rd

Typical Section C: 3-Point Vehicle Turnaround Pocket (Vicinity of the Copper River Boat Launch)
### ACCESSIBLE PICNIC TABLE LOCATIONS

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**NOTES:**
1. PICNIC TABLE LOCATIONS ARE APPROXIMATE. THEY CAN BE MODIFIED BY ENGINEER TO BETTER FIT LOCAL CONDITIONS. SEE CHART SHEET B.
2. PICNIC TABLE IS INSTALLED ON THE CAMPFIRE LOOP AND NEXT TO PARKING AREA. SEE TYPICAL SECTION SHEET A.
3. PICNIC TABLE IS INSTALLED ON THE CAMPFIRE LOOP AND FIRE RING SPECIFICATIONS & REQUIREMENTS.
4. FIRE RING IS ADJACENT TO PICNIC TABLE. SEE SHEET D FOR DETAILS.
5. PICNIC TABLES IN PARKING LOT SHALL BE PLACED ACCORDING TO SHEET A.
6. NOT ALL PICNIC TABLES HAVE ASSOCIATED FIRE RING. SEE TABLE OF QUANTITIES FOR DETAILS.
## Preliminary Plans

### Bearproof Garbage Cans

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### New Restroom Building Points

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### Notes
1. Building corners elevations can be adjusted by the engineer to conform to manufactured building installation recommendations.
2. If not specifically noted, own elevations are final (NE).

### Abbreviations
1. F.G. - Bearing Grade
2. E.G. - Existing Grade

## Barrier Rocks Points

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### Abbreviations
1. E.R. - Existing Rock
2. P.R. - Parking Rock

## Treated Timber Curb End Points

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<th>Point No.</th>
<th>Northing</th>
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### Notes
1. Building corners elevations can be adjusted by the engineer to conform to manufactured building installation recommendations.
2. If not specifically noted, own elevations are final (NE).

## Corner Parking - Treated Curb End Points

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### Abbreviations
1. E.S. - Exit Side
2. W.S. - West Side

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**STATE OF ALASKA**

Department of Transportation and Public Facilities

Maintenance & Operations

Northern Region

**Sheet:** 11 of 31

**Date:** Jan 222

**No.** 0851072/FRW#00359
Preliminary Plans
### Preliminary Plans

#### SIGNING SUMMARY

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### POST TYPE LEGEND

- FT = FORGED STEEL TUBE
- TS = TOP STRUCTURAL STEEL TUBE
- NW = WOOD

### FURNITURE SPECIFICATION TABLE

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### REST AREA SIGNS
**TEMPERARILY CLOSED FOR CONSTRUCTION**

**REST AREA CLOSED**

**SPECIAL SIGNS 527 AND 528/529**

**SPRING NOTES:**

1. Remove and dispose of all existing signs and non-structures within the project limits, except those designated for installation, salvage, or otherwise noted.

2. Mounting heights for signs shall be in accordance with AASHTO and any other applicable standards.

3. Determine post lengths in the field, do not exceed posts above top of signs.

4. Install post supports with soil embedment per standard plan S-203. Attach the sign post to the base using galvanised 1½ in. bolts and six split washers and two flat washers.

5. 1¼ x 1 ½ inch aluminum alloy stud bolts may also be used to fasten sign braces as shown on standard plan S-112.

6. Attach all signs to their supports with 3/16 in. bolt, except attach unframed signs to post supports with aluminum sleeve washers. Washers are not required with flat washers. Holders for sign holders when signs are used.

7. All fastener washers shall meet the requirements of the fastener specification table under Section 700-207 of the Manual.

8. Stop ticketing field work (if any) occurring inside or adjacent to large road work areas, which could obstruct view of the signs. The crew will check for view obstruction after the signs are installed.

9. Maintain existing signs until new signs are installed. Do not leave duplicate or conflicting signs up at any time.

10. All signs noted as provisional and installation shall be replaced at the contractor's expense if they are damaged during the relocation effort.

11. Locate and protect all new and existing underground utilities, including but not limited to, water, sewer, interconnect cables, signal systems, lighting fixtures, automatic devices, electrical cables, prior to installing sign posts. Not all existing utilities may be shown on the plans.

12. Coloring as directed by the Engineer, may be required to ensure adequate visibility of signs. This work is subject to Pay Item 622-2006-0000 REST AREA SIGNS.

13. Install weather tight caps on all top posts.


15. Mixed joints with preformed joint plates are required on all multiple post signs with preformed covering system. The hinge location on all posts shall be at the same distance from the top. Routing of the 5 inch joint shown on standard plan S-31-02. See manufacturer's specification for hinge location, type, size, etc.

16. Install post fasteners and foundations behind barrier in accordance with standard plan S-32-00. Place signs to keep a minimum side edge of sign and 5 minimum to sign post from face of barrier.

17. Post locations are subject to change during the relocation. The contractor shall stake all locations for approval by the Engineer prior to installation.

18. Install camouflage markers (MRO-77) at the distance to each individual camouflage as determined by the engineer. Work includes installation of 5½' for wooden treated posts and 2½' sleeves as shown in Plan Sheet 20.
PLEASE HELP

HELP SIGN SPECIFICATIONS(686,81),(924,461)

Solid Color, Metal Character Affixed to or Integral with Sign Material

Character Color
White

Background Color
White

Skin Material
Solid Color, Metal Character Affixed to or Integral with Sign Material

Character Thickness
0.375 mm

Height
12 in x 12 in

Edge
Square

Character Font
Helvetica

Character Style
Upper and Lower

Material
Grade 8

Text
See on Left

THANK YOU

TRASH SIGN FOR NEW DOUBLE-VAULTED CONCRETE RESTROOM

NO SCALE

STOP SIGN PLACEMENT DETAIL

NO SCALE
PRELIMINARY PLANS

BEARPROOF GARBAGE CAN MOUNT NOTES:
1. USE TREATED THUNDER (STANDARD) FOR ALL COMPONENTS.
2. USE 2" X 8" X 48" LUMBER FOR DECKING, UNDERBRACKETS & END CAP.
3. SECURE DECKING, UNDERBRACKETS AND END CAP TO THUNDER USING 5/16" X 4" GALVANIZED LAG SCREWS & WASHERS.
4. COUNTERSUNK DECK SCREWS, FLUSH WITH DECK SURFACE.
5. BURY PIPE SO THAT DECK SURFACE IS EVEN WITH SURROUNDING GRADE.
6. BACK FILL INTERIOR OF BASE WITH GRAVEL.
7. SECURE THREE CONTAINERS TO THUNDER USING 3/8" X 4" GALVANIZED LAG SCREWS & WASHERS.

FLEXIBLE LEGENDER NOTES:
1. FLEXIBLE LEGENDERS SHALL BE YELLOW AND AT LEAST 72" IN LENGTH AND SHALL MEET THE REQUIREMENTS OF SECTION 730-210 FLEXIBLE LEGENDER POST.
2. REFLECTIVE SHEETING SHALL MEET WITH SAVS SPECIFICATIONS FOR TYPE III. COLOR OF REFLECTIVE SHEETING SHALL MATCH COLOR OF ALUMINUM ELECTRICAL CONDUIT. REFLECTIVE SHEETING ON SURFACE OF BARRIER POSTS SUCH THAT IN SAVS STANDARDS ON GRAVEL PADS USE YELLOW COLOR.
3. MOUNT ALL BOLT MOUNTS, COST MOUNTS WITH ZINC COATING. THREAD MOUNTS SHALL NOT BE PERMITTED.
4. ALL WORK AND MATERIAL REQUIRED TO INSTALL FLEXIBLE LEGENDER MARKER POSTS IS SUBMITTED TO 706b-00-0000.

TIMBER CURB NOTES:
1. THE AR IS DESIGNED BASED ON THE INSTALLATION OF TREATED TIMBER CURB ARE SUBMITTED TO PAY ITEM 822-00-0000 TREATED TIMBER CURB.
2. USE PRESSURE TREATED TIMBER OF NO. 2 OR BETTER. USE ANCHORAGE COPPER-ZINC ALLOY (ACU) OR CHROMIUM COPPER ALLOYS FOR CONCRETE ANCHOR. ALUMINUM COPPER QUARTERLY (ACU) IS ALSO AN ACCEPTABLE ALTERNATIVE TO COPPER ANCHORING.
3. INSTALL REFLEX LEGENDER MARKER POSTS IN PLACE TO IMPROVE VISION FOR VEHICLES TRAVELING ON THE CURB. VEHICLES WILL BE TAKING ON
DETAIL NOTES:
1. DRAWING IS NOT TO SCALE.
2. DRAWING IS SCHEMATIC. IT DOES NOT DEPICT ANY PARTICULAR MODEL.
3. GROUNDS AND FENCES ARE REQUIRED TO PAY FIRM #222-2026-0000 DOUBLE CONCRETE VAULTED TOILET SEE SHEET 6.
4. INSTALL TOILET VALVES PER MANUFACTURERS SPECIFICATIONS.
5. VISITOR TRAFFIC IS REQUIRED TO PAY FIRM #222-2026-0000 DOUBLE CONCRETE VAULTED TOILET.
6. INSTALL GLASS DOORS.
7.綜合是SOUTHWEST.
8. INSTALL GLASS DOORS.
9. ADDITIONAL REQUIREMENTS.
10. INSTALL GLASS DOORS.
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1. The project location is at approximately MP 1.5, located in the community of beach park, including the existing wetlands and the adjacent highway.
PRELIMINARY PLANS

SIGN BRACING PLACEMENT

- Use one brace when H = 12'
- Use two braces when 12' < H ≤ 40'
- Use three braces when H > 40'

Details of braces may be varied to match predrilled mounting holes in panel.

S-01.02 SHEET

1/2" x 2" Slot

3/4" x 4/" x 4"

2 1/2"

DETAIL OF BRACE SLOT

Elevation view

1/2" x 2" Slot

3/4" x 4/" x 4"

2 1/2"

TUBE POST SIGN BRACING SECTION A-A

Plan view

<table>
<thead>
<tr>
<th>Sign Width (W)</th>
<th>Effective Brace Length</th>
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<tbody>
<tr>
<td>50&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td>30&quot;</td>
<td>24&quot;</td>
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<tr>
<td>20&quot;</td>
<td>16&quot;</td>
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<tr>
<td>10&quot;</td>
<td>12&quot;</td>
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< 30" No bracing required and use square tube

Note: Drawing not to scale
GENERAL NOTES:

1. Unless shown otherwise on the plans, the standard sign offset is 12′. The minimum is 6′ where alinement width is 6′ or greater.

2. Add 3′ to mounting height on unpaved roads.

3. If signs extend over bike paths, the minimum vertical clearance is 6′ 0″.

4. When signs are placed 36″ or more from the edge of traveled way, mount them with the bottom of the sign at least 3′ above the road surface at the near edge of the road.

5. When multiple hinged sign supports are used, mount hings at least 7′ above the ground.

6. Minimum mounting height is 7′ 0″ where parking or pedestrian maneuvering is likely to occur, or where signs extend over sidewalks.

7. For construction signs in rural areas, mounting height shall be 7′ minimum.

State of Alaska DOT&PF
ALASKA STANDARD PLAN
POST MOUNTED SIGN
OFFSET AND HEIGHT

Adopted as an Alaska Standard Plan by
Carolyn Meshama, P.E.
Chief Engineer
Adoption Date: 7/17/2000

Last Code and Standards Review
By: JCF
Date: 7/8/2020
Next Code and Standards Review Date: 7/8/2023

Preliminary Plans
GENERAL NOTES

1. This is a non-destructive sign post. It may only be used at locations identified by a guardrail, barrier, or wall. It may not be used if the sign post is within 20' of the end and is closer than 75' from the guardrail or barrier. For this case use a breakaway sign support. See Standard Plan S-20.

2. Furnish steel tube sign post and stub post that conform to ASTM A500, grade B, and meet ASTM A123 for hot dip galvanizing.

3. Install signs and stub post with a 0.1875" wall thickness.


5. Spiral reinforcing steel may be substituted for hoop in concrete foundation. Spiral option shall consist of No. 3 plain spiral with 12" pitch with three flat turns at the top and one flat turn at the bottom.

6. Use Class A, B, or W concrete.

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<table>
<thead>
<tr>
<th>POST SIDE &amp; TYPE</th>
<th>FOUNDATION BLOCK</th>
<th>MIN. DEPTH (IN)</th>
<th>C.Y.</th>
<th>VERTICAL BARS HOOPS</th>
<th>STAB POST</th>
<th>SHEET</th>
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<tr>
<td>2 1/2&quot; TUBE</td>
<td>1-3/4&quot; x 3&quot;</td>
<td>0.65</td>
<td>7</td>
<td>8 x 1/4&quot; 1/2&quot; 1/2&quot; 1/2</td>
<td>3</td>
<td>5</td>
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<td>1-3/4&quot; x 3&quot;</td>
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State of Alaska DOT/PF
ALASKA STANDARD PLAN
SIGN POST BASE AND FOUNDATION BEHIND BARRIER
Adopted on an Alaskan
January 2020
Adoption Date: 1/1/2020
Next Code and Standards Review Date: 7/8/2020
S-32.02
Preliminary Plans

NOTES:
REPAIR EXISTING EXTERIOR BATHROOM EXCEPT FOR PAINTED EXTERIOR WOOD
REPAIR EXTERIOR BATHROOM EXCEPT FOR PAINTED EXTERIOR WOOD
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WOODEN BATHROOM DOUBLE-COMMODE FACILITIES
FRONT ENTRANCE VIEW AS OF NOVEMBER 2021

LEFT BATHROOM AS OF NOVEMBER 2021
RIGHT BATHROOM AS OF NOVEMBER 2021

LIST OF OUTSIDE IMPROVEMENTS
- CLEANING, SURFACE PREPARATION AND PAINTING (AS EXCLUDED)
- ADD BESIDE SIGNS BY EACH DOOR

LEFT BATHROOM VIEW OF BUILDING AS OF NOVEMBER 2021
RIGHT BATHROOM VIEW OF BUILDING AS OF NOVEMBER 2021

LIST OF INSIDE IMPROVEMENTS
- CLEANING WALLS AND FLOOR
- SURFACE PREPARATION AND PAINTING
- TILES AROUND TOILET (2 EACH)
- REPLACE TOILET PAPER DISPENSERS (2 EACH)
- ADD AN ADDITIONAL HAND RAILS ON SIDE WALLS (2 EACH)
- "NO TRASH" SIGN IN RESTROOM (1 EACH)
- ADD MALE/FEMALE BRANDED ADA-COMPLIANT SIGN (2 EACH, SEE SHEET 328 PLAN SHEET 13 SUMMARY)

STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 1 of 1
DATE: JAN 2022
SHEET 1072/N9W100359
EXISTING BATHROOM REPAIR
SUPPLEMENTAL INFO