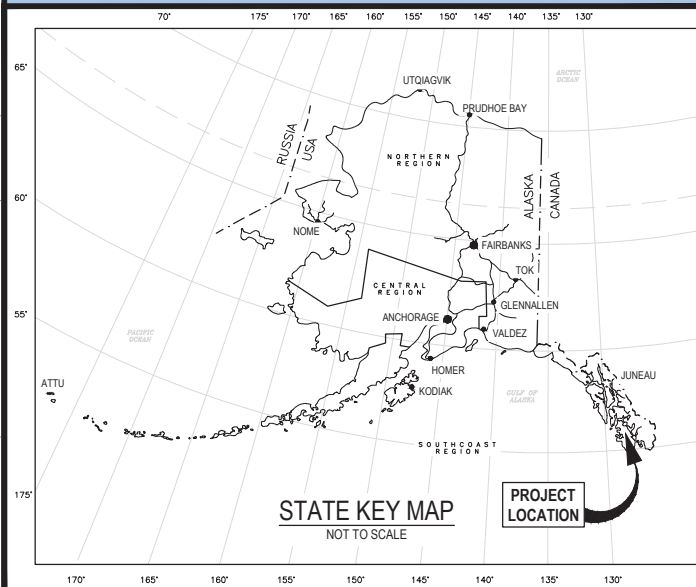
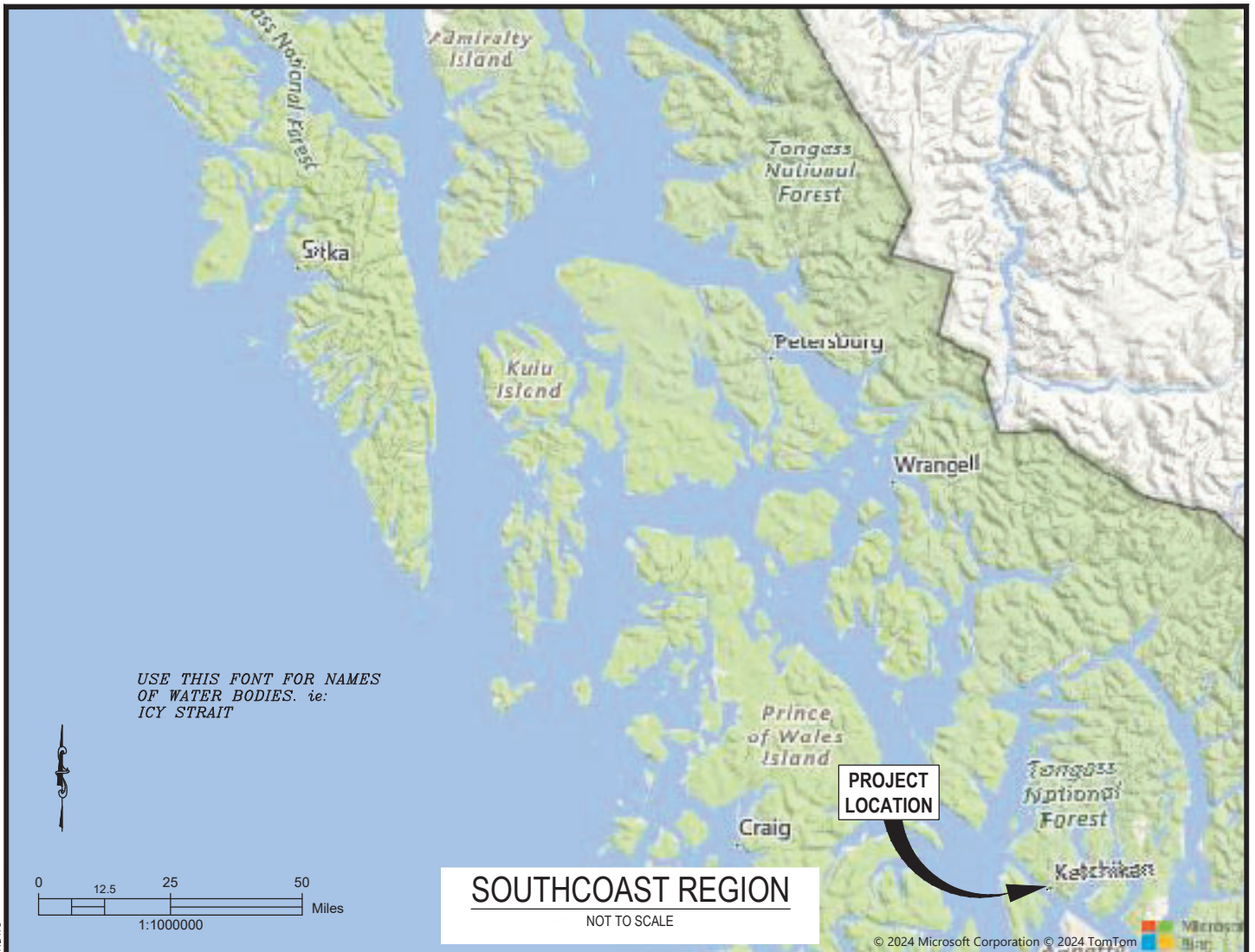


PLANS DEVELOPED BY: PND ENGINEERS, 9360 GLACIER HWY, SUITE 100, JUNEAU, AK 99801 (907)586-2093  
N:\23XXX\232027 KTN WARD CREEK BRIDGE 747 REPLACEMENT.D. ENVIRONMENTAL AND PERMITTING\EV SCOPING\1 OF XX SCOPE\EV.DWG



**PROJECT LOCATION**

**TOWNSHIP / RANGE:**  
T74S / R90E, COPPER RIVER, ALASKA

**LATITUDE:** 55°24'27"N

**LONGITUDE:** 131°43'05" W

| TIDAL DATA |       |
|------------|-------|
| HTL        | 19.70 |
| MHW        | 14.54 |
| MLLW       | 0.00  |

**ADJACENT WATERS OF THE U.S.**

WARD CREEK, WARD COVE

**PROJECT PURPOSE**

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

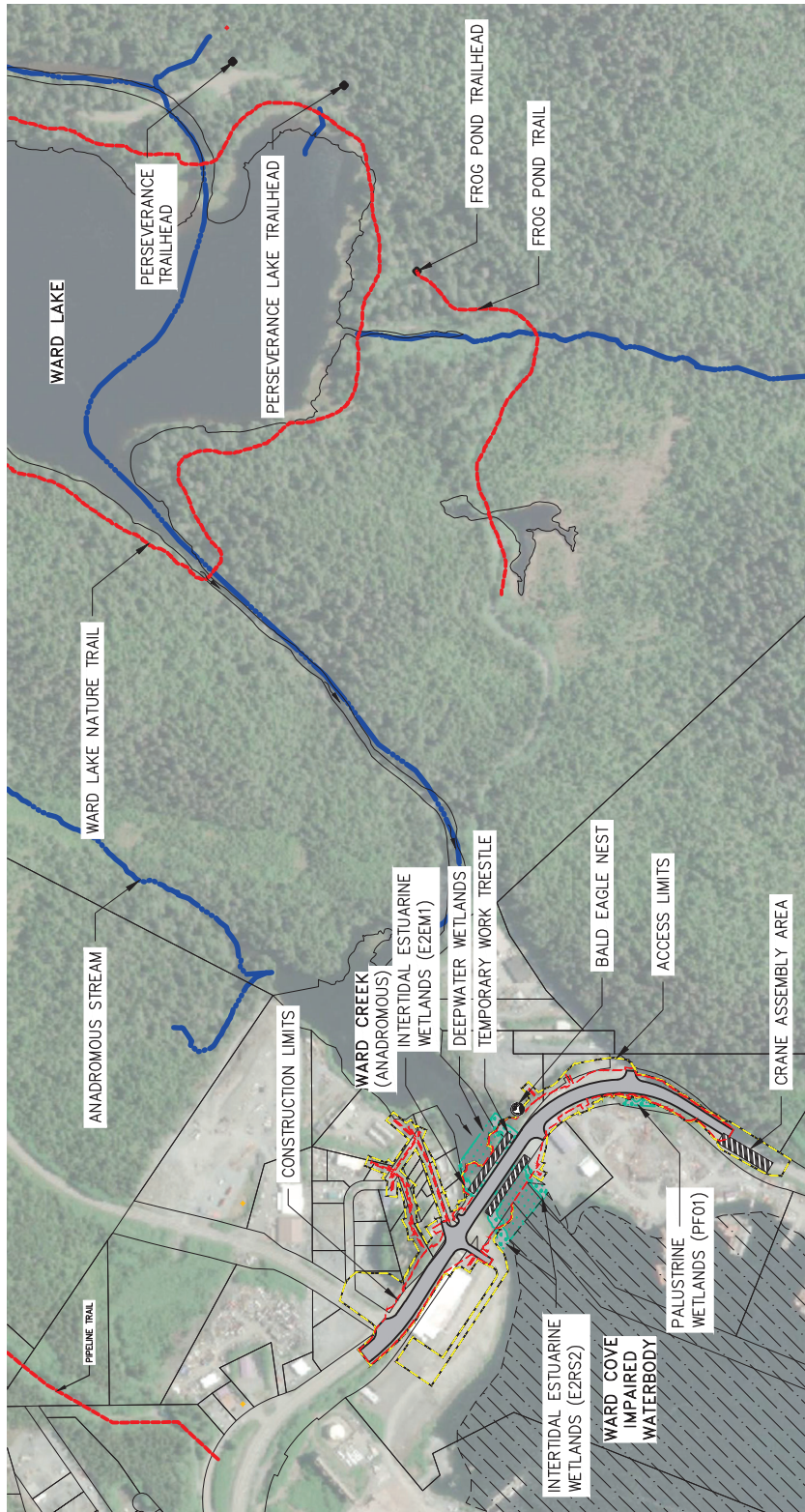
**KTN WARD CREEK BRIDGE  
747 REPLACEMENT**

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOAST REGION

**VICINITY AND  
REGIONAL MAPS**

**PRELIMINARY PLANS**  
**-NOT FOR CONSTRUCTION-**  
DATE: 3/19/2025 SHEET 1 OF 14



## PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOST REGION

## ENVIRONMENTAL RESOURCES

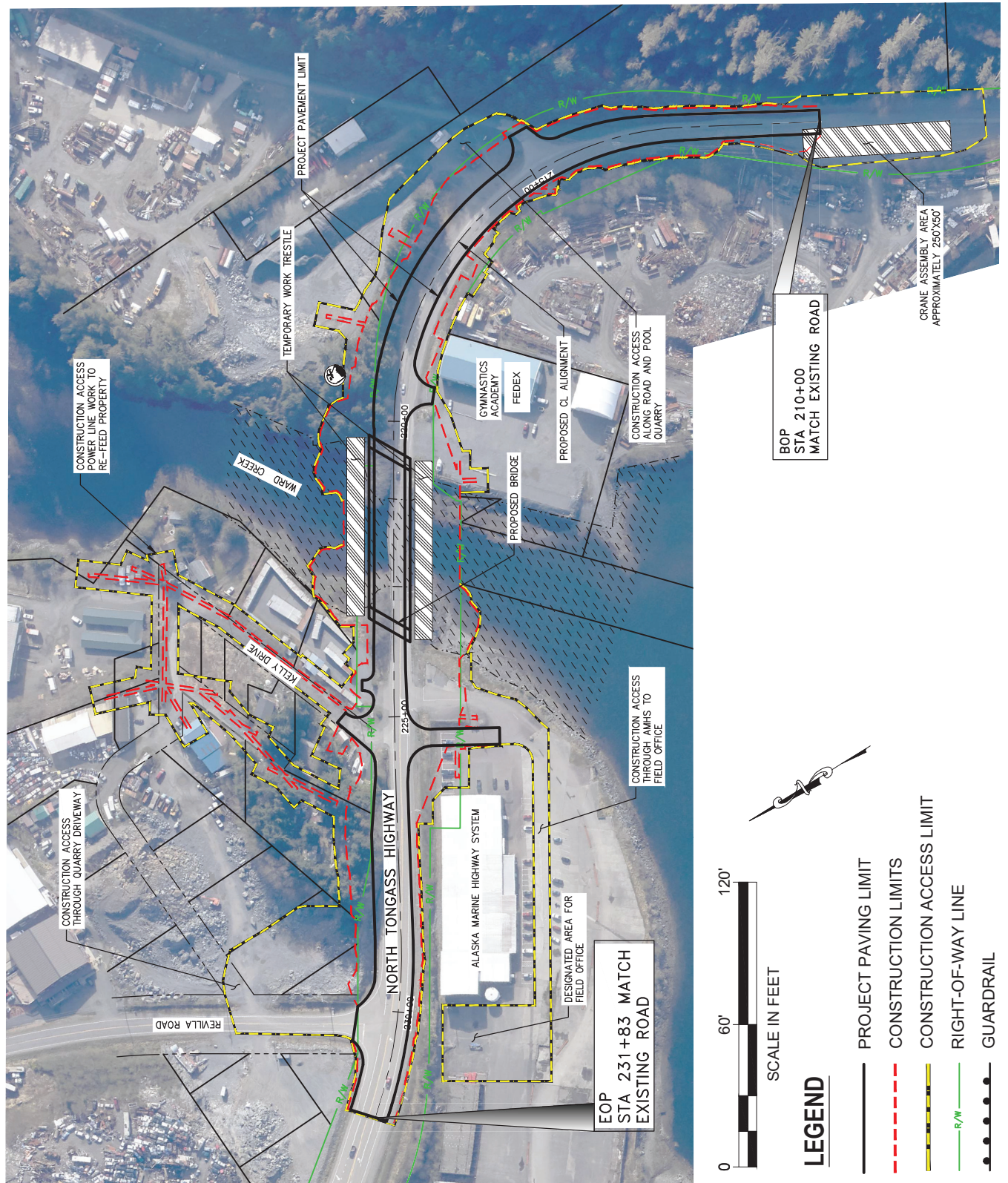
PRELIMINARY PLANS

-NOT FOR CONSTRUCTION-

DATE: 3/19/2025

SHEET 2 OF 14





### LEGEND

- PROJECT PAVING LIMIT
- CONSTRUCTION LIMITS
- CONSTRUCTION ACCESS LIMIT
- RIGHT-OF-WAY LINE
- GUARDRAIL

### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOST REGION

## SCOPING PLAN

PRELIMINARY PLANS  
-NOT FOR CONSTRUCTION-

DATE: 3/19/2025

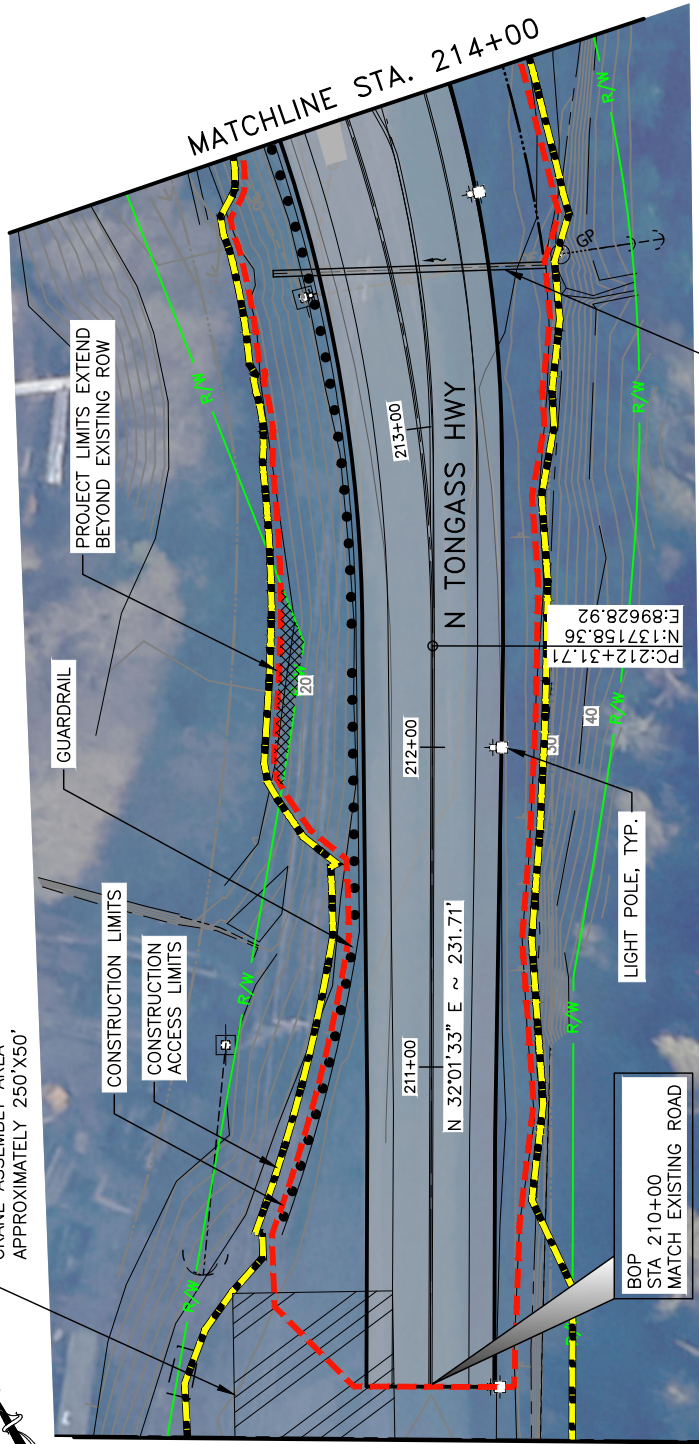
SHEET 3 OF 14



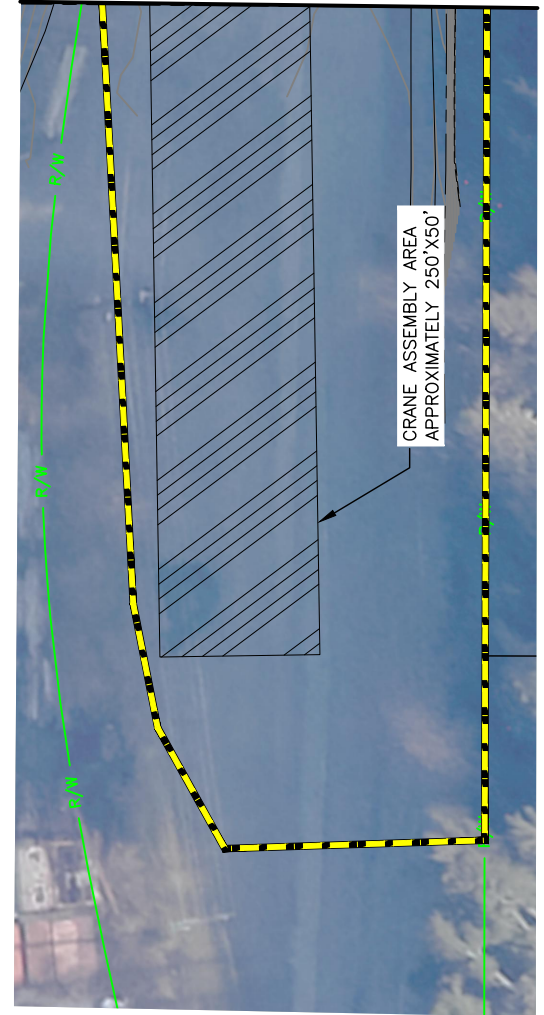


SCALE IN FEET

CRANE ASSEMBLY AREA  
 APPROXIMATELY 250'X50'



MATCHLINE LEFT



### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
 SOUTHCOAST REGION

PLAN BOP TO STA.  
 214+00

PRELIMINARY PLANS

-NOT FOR CONSTRUCTION-

DATE: 3/19/2025

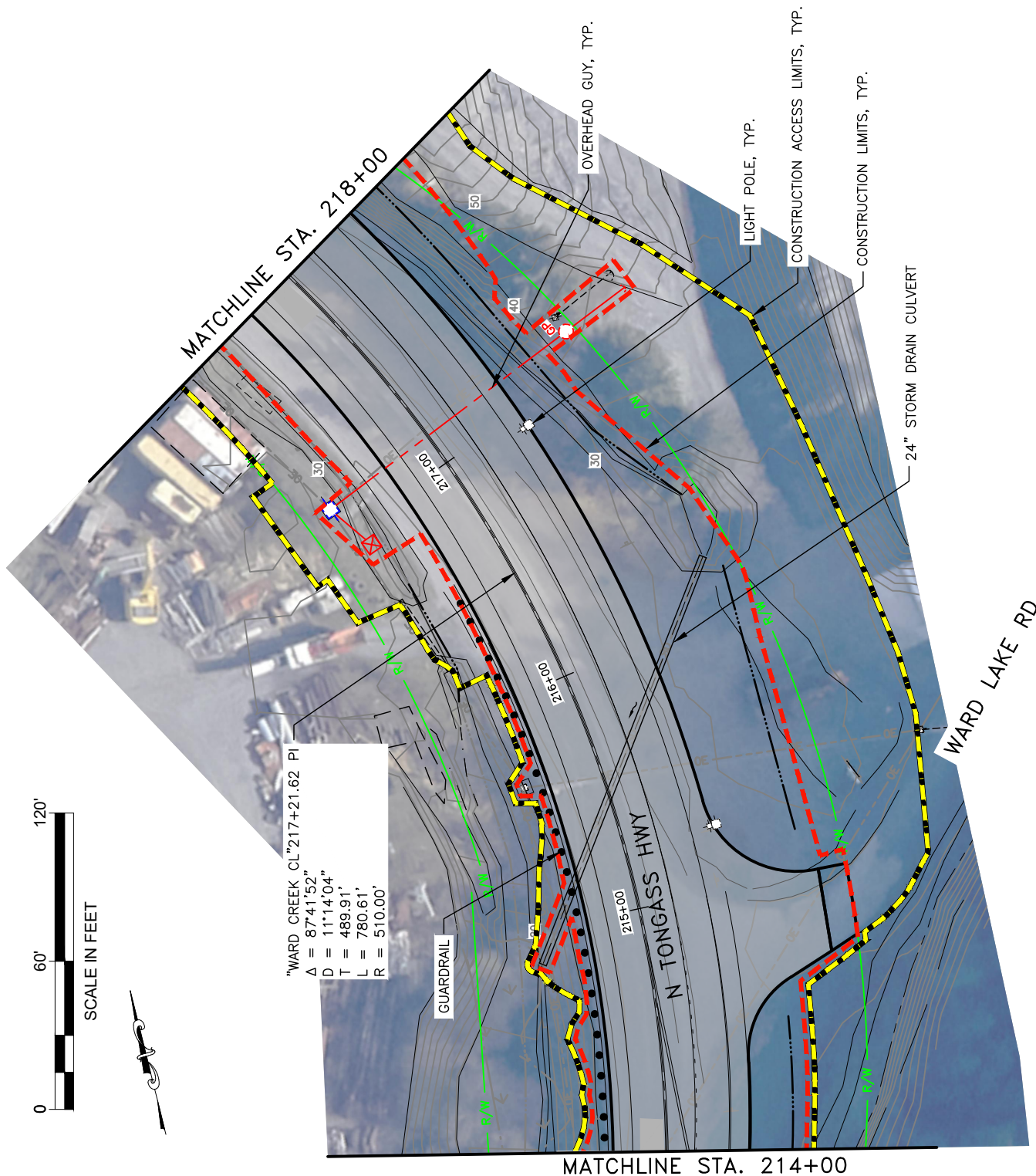
SHEET 4 OF 14



SCALE IN FEET



"WARD CREEK CL"217+21.62 PI  
 $\Delta = 87^{\circ}41'52"$   
 $D = 11^{\circ}14'04"$   
 $T = 489.91'$   
 $L = 780.61'$   
 $R = 510.00'$



### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
 SOUTHCOAST REGION

PLAN STA. 214+00  
TO STA. 218+00

PRELIMINARY PLANS

-NOT FOR CONSTRUCTION-

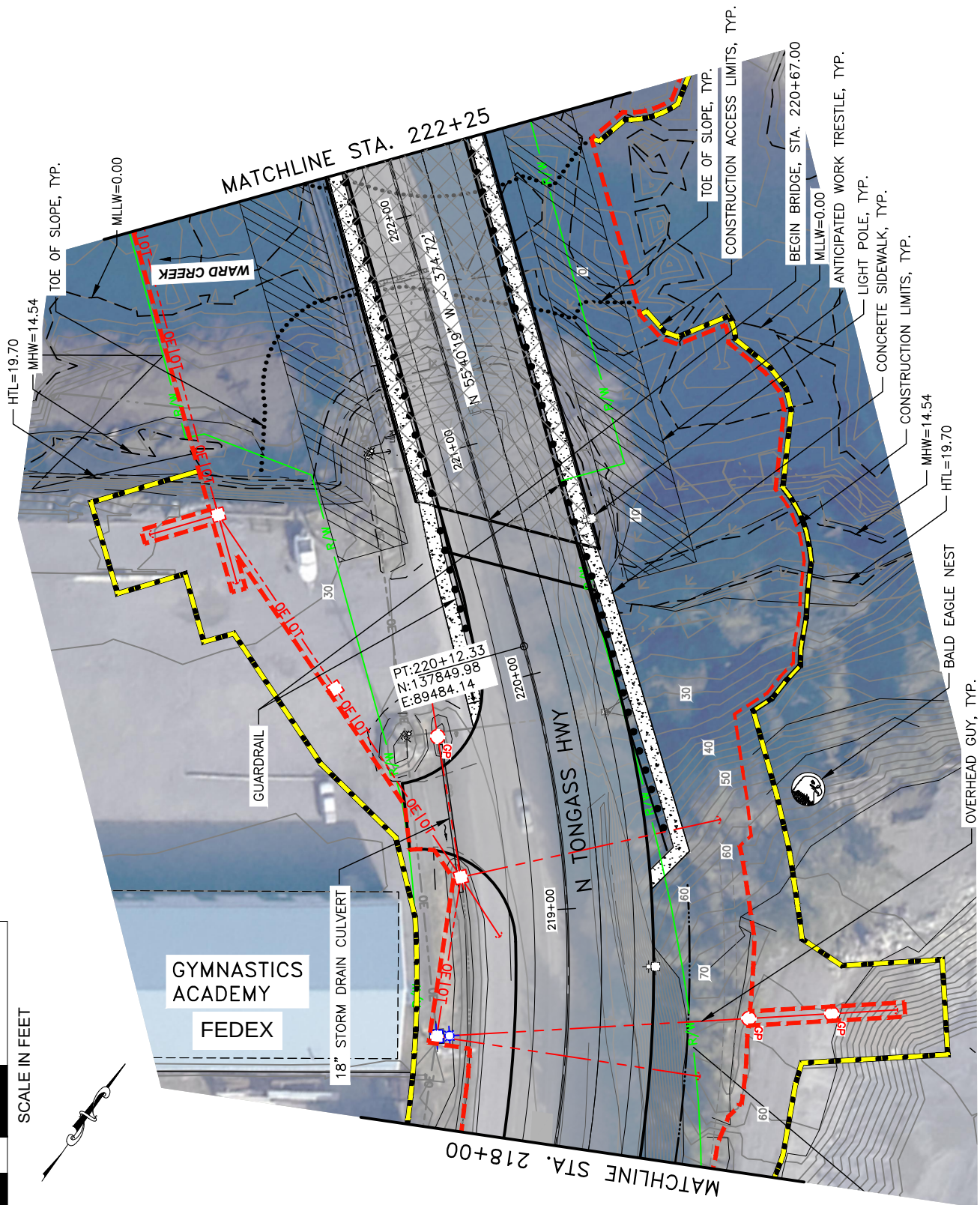
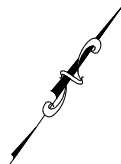
DATE: 3/19/2025

SHEET 5 OF 14





SCALE IN FEET



### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
 SOUTHCOAST REGION

PLAN STA. 218+00  
TO STA. 222+25

PRELIMINARY PLANS  
 -NOT FOR CONSTRUCTION-

DATE: 3/19/2025 SHEET 6 OF 14



PLANS DEVELOPED BY: PND ENGINEERS, 9360 GLACIER HWY, SUITE 100, JUNEAU, AK 99801 (907)586-2093  
N:\23XXXX\232027 KTN WARD CREEK BRIDGE 747 REPLACEMENT.D ENVIRONMENTAL AND PERMITTING\EV SCOPING\EVS F'S P&P.DWG

### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOST REGION

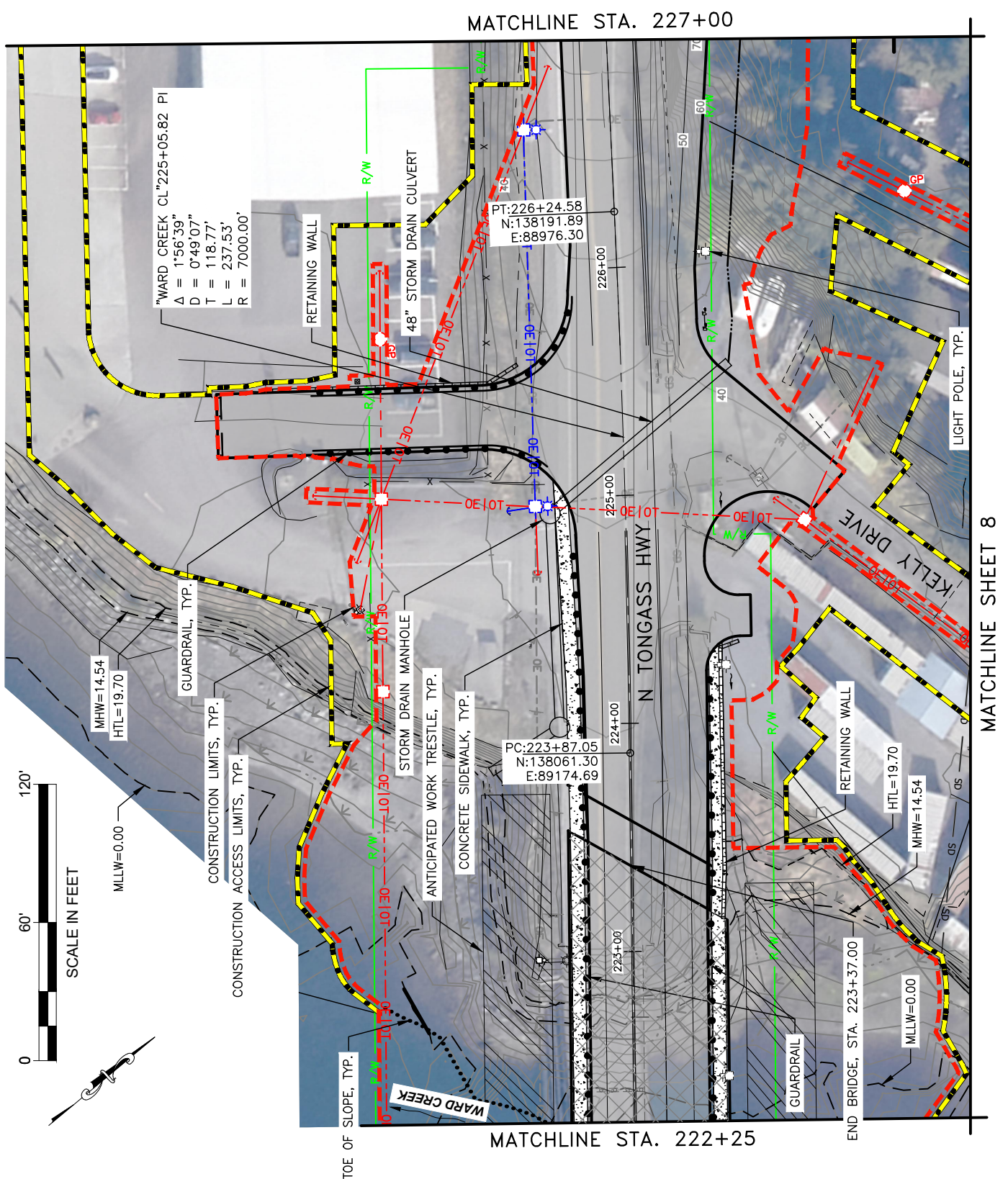
PLAN STA. 222+25  
TO STA. 227+00

PRELIMINARY PLANS

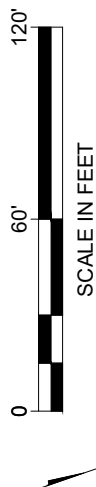
-NOT FOR CONSTRUCTION-

DATE: 3/19/2025

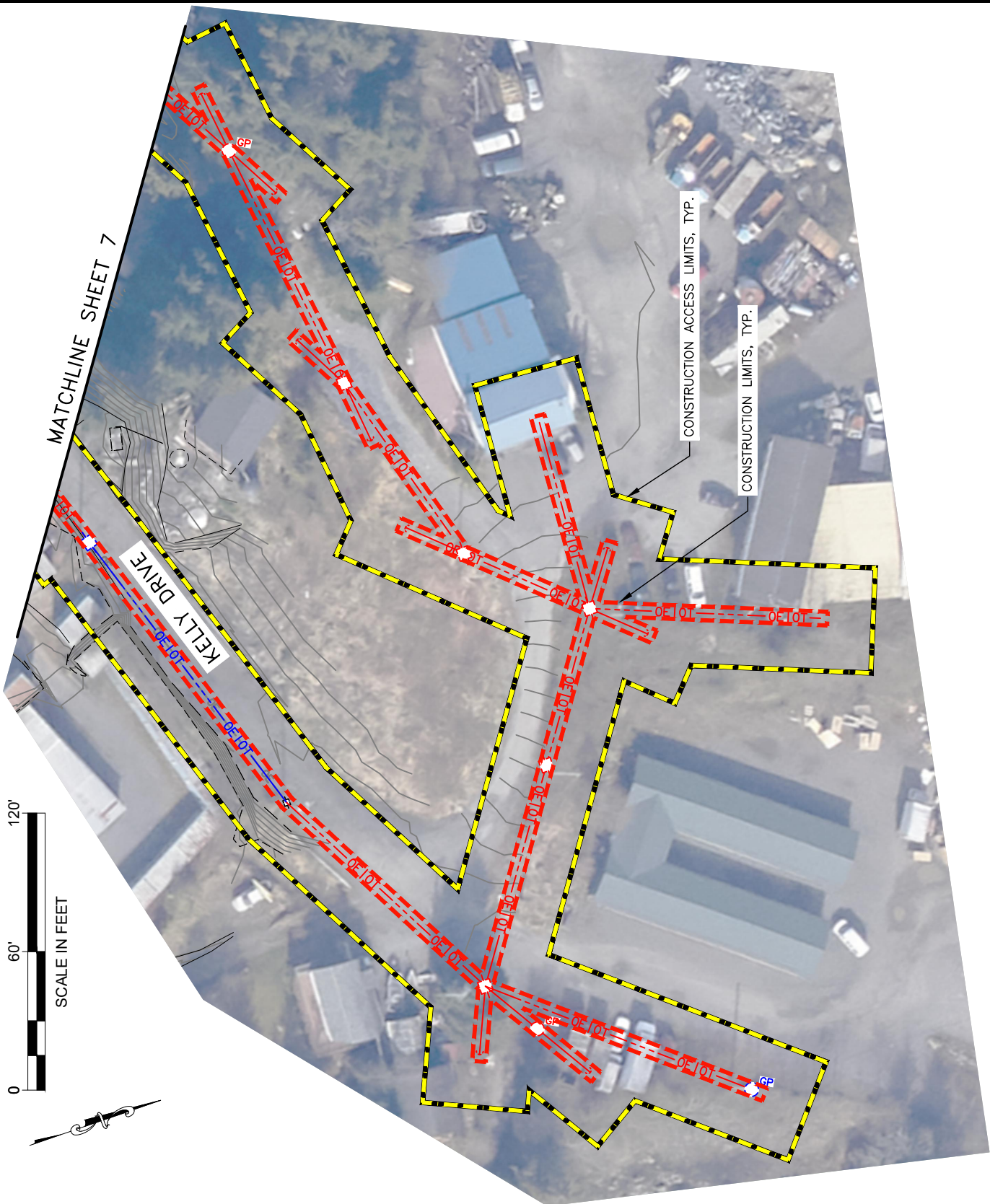
SHEET 7 OF 14







MATCHLINE SHEET 7



### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOST REGION

## KELLY DRIVE EXTENSION

PRELIMINARY PLANS  
-NOT FOR CONSTRUCTION-

DATE: 3/19/2025

SHEET 8 OF 14



PLANS DEVELOPED BY: PND ENGINEERS, 9360 GLACIER HWY, SUITE 100, JUNEAU, AK 99801 (907)586-2093  
N:\23XXXX\232027 KTN WARD CREEK BRIDGE 747 REPLACEMENT.D ENVIRONMENTAL AND PERMITTING\EV SCOPING\EVS F'S P&P.DWG

### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOST REGION

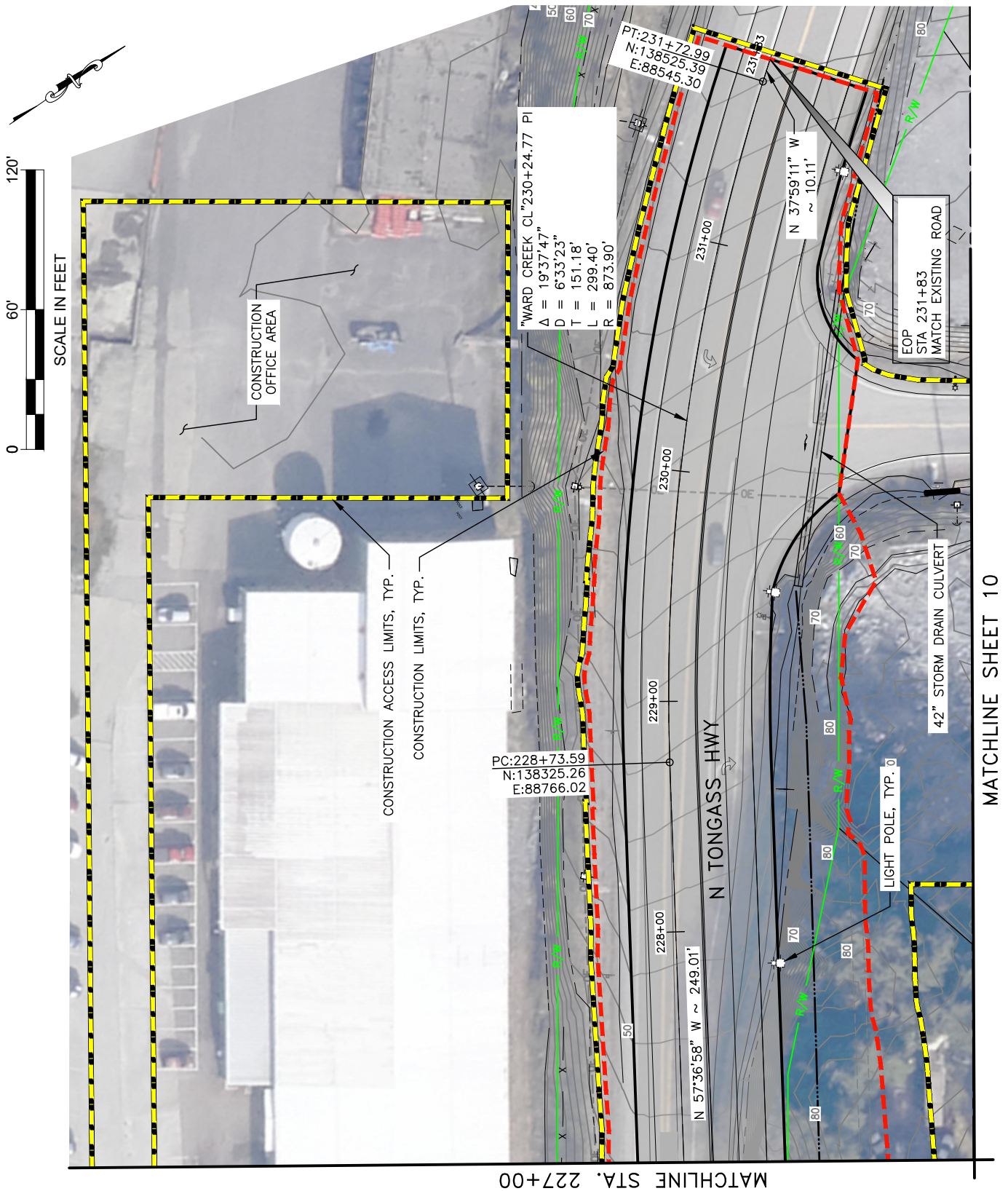
PLAN STA. 227+00  
TO EOP

PRELIMINARY PLANS

-NOT FOR CONSTRUCTION-

DATE: 3/19/2025

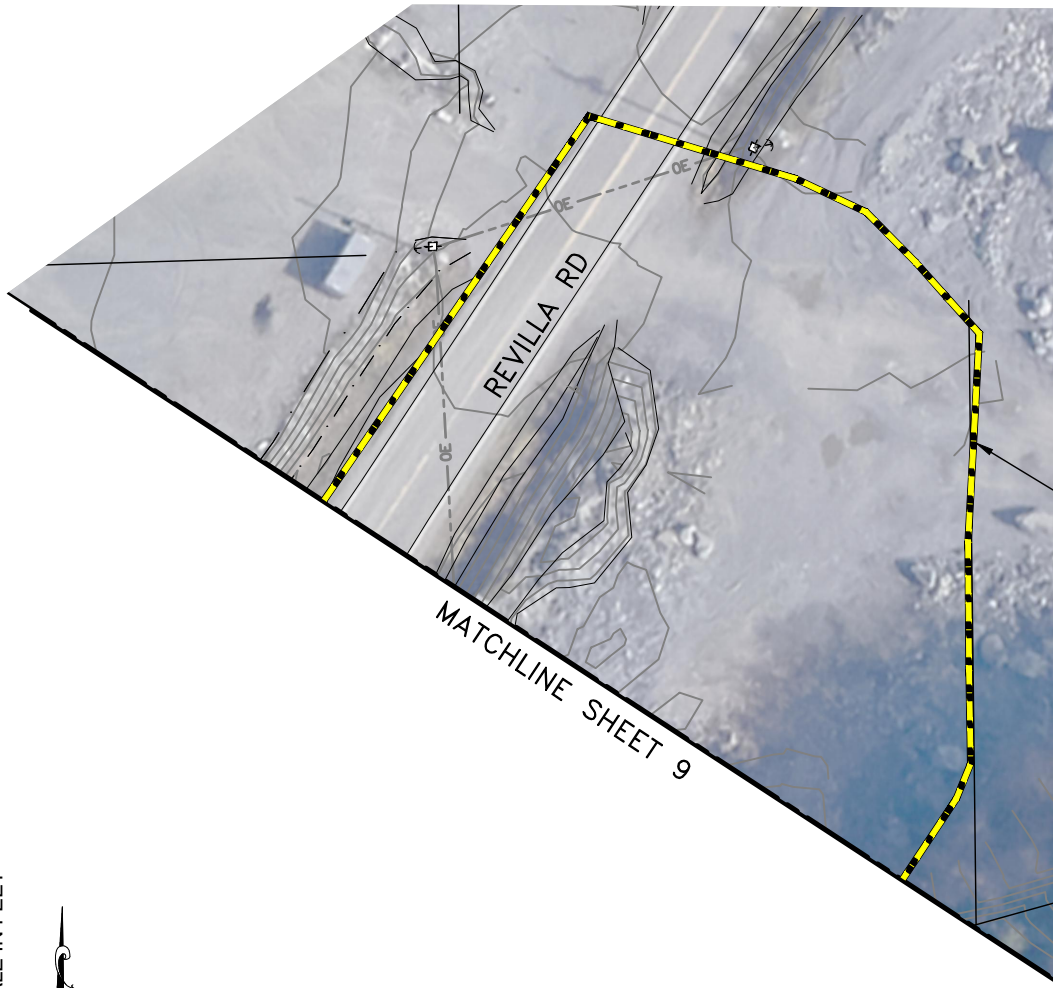
SHEET 9 OF 14



PLANS DEVELOPED BY: PND ENGINEERS, 9360 GLACIER HWY, SUITE 100, JUNEAU, AK 99801 (907)586-2093  
N:\23XXXX\232027 KTN WARD CREEK BRIDGE 747 REPLACEMENT\0. ENVIRONMENTAL AND PERMITTING\EV SCOPING\EVS F'S P&P.DWG



SCALE IN FEET



CONSTRUCTION ACCESS LIMITS, TYP.

#### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOAST REGION

## PLAN — REVILLA RD EXTENSION

PRELIMINARY PLANS

-NOT FOR CONSTRUCTION-

DATE: 3/19/2025

SHEET 10 OF 14



### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOST REGION

## TYPICAL SECTIONS

PRELIMINARY PLANS

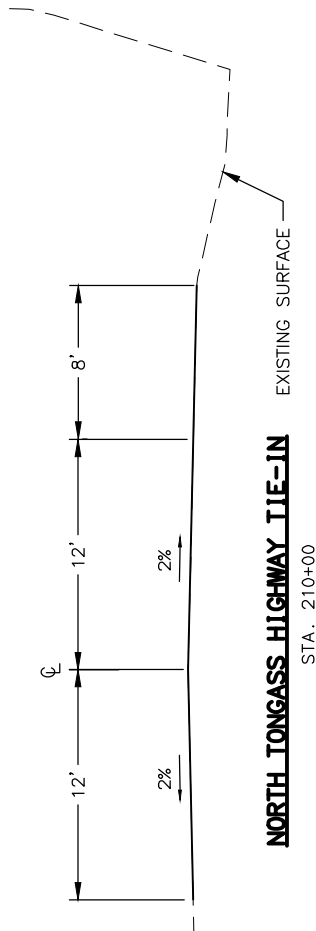
- NOT FOR CONSTRUCTION -

DATE: 3/19/2025

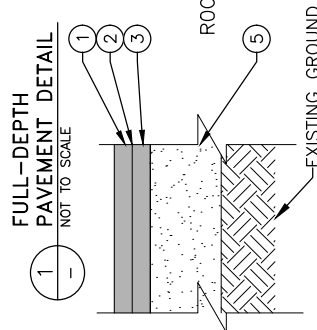
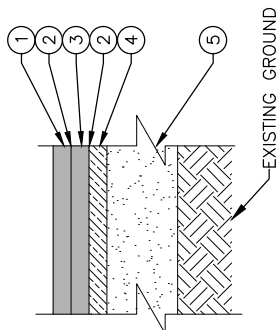
SHEET 11 OF 14

### PAVEMENT DETAIL REFERENCE

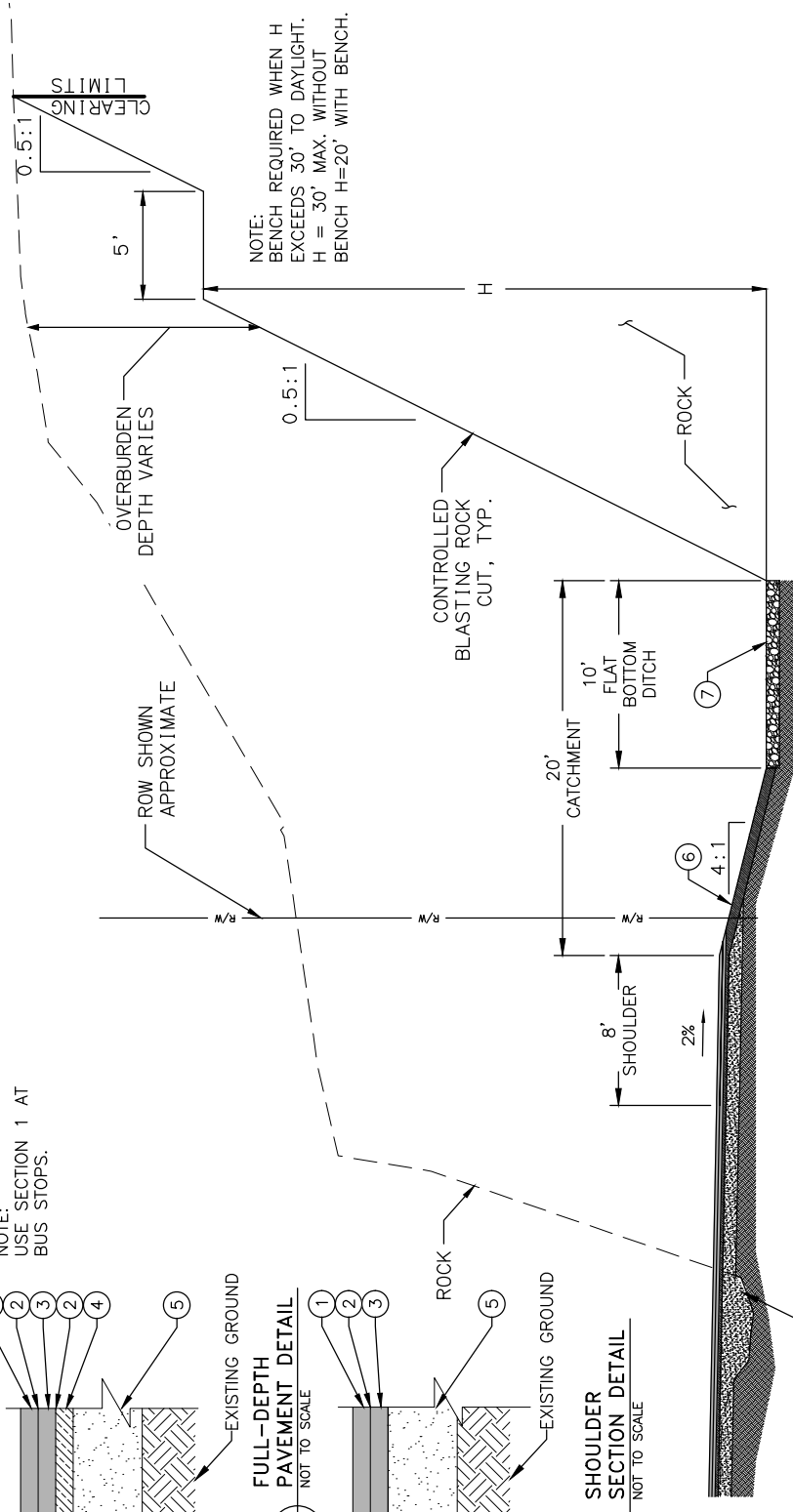
- ① 2" HOT MIX ASPHALT, TYPE II; CLASS B,
- ② SITE-1 ASPHALT FOR TACK COAT
- ③ 2" ASPHALT TREATED BASE COURSE
- ④ 3" AGGREGATE BASE COURSE, GRADING D-1
- ⑤ 8" SUBBASE, GRADING A
- ⑥ AGGREGATE BASE COURSE, GRADING D-1. THICKNESS AS SHOWN
- ⑦ 8" CLASS 1 RIPRAP
- ⑧ SEEDING, BFM AND 4" OF TOPSOIL ON DISTURBED SLOPES, UNLESS OTHERWISE NOTED.
- ⑨ 6" CONCRETE SIDEWALK

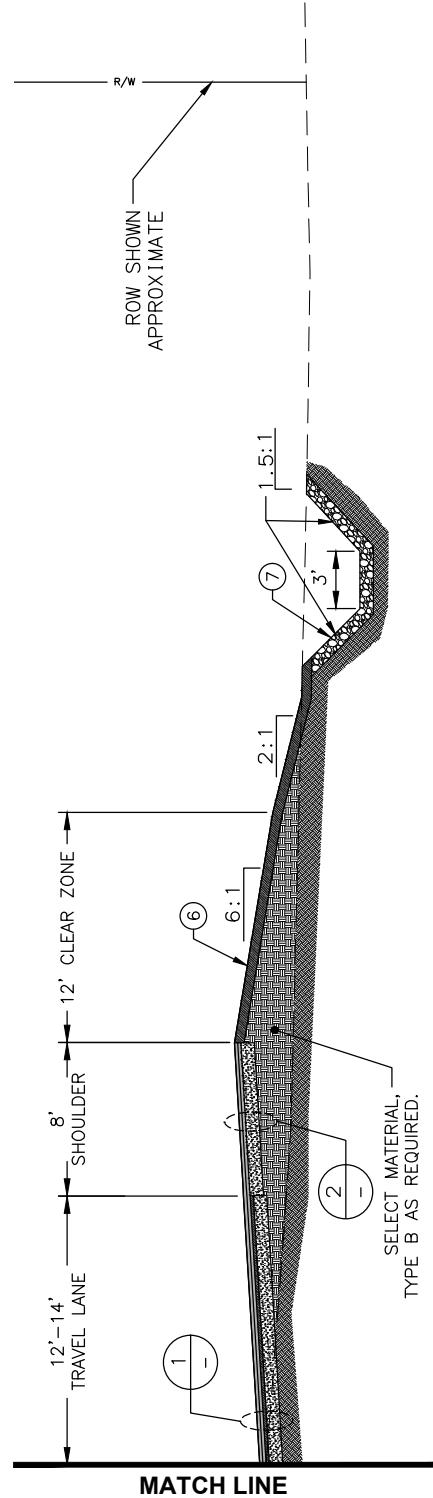
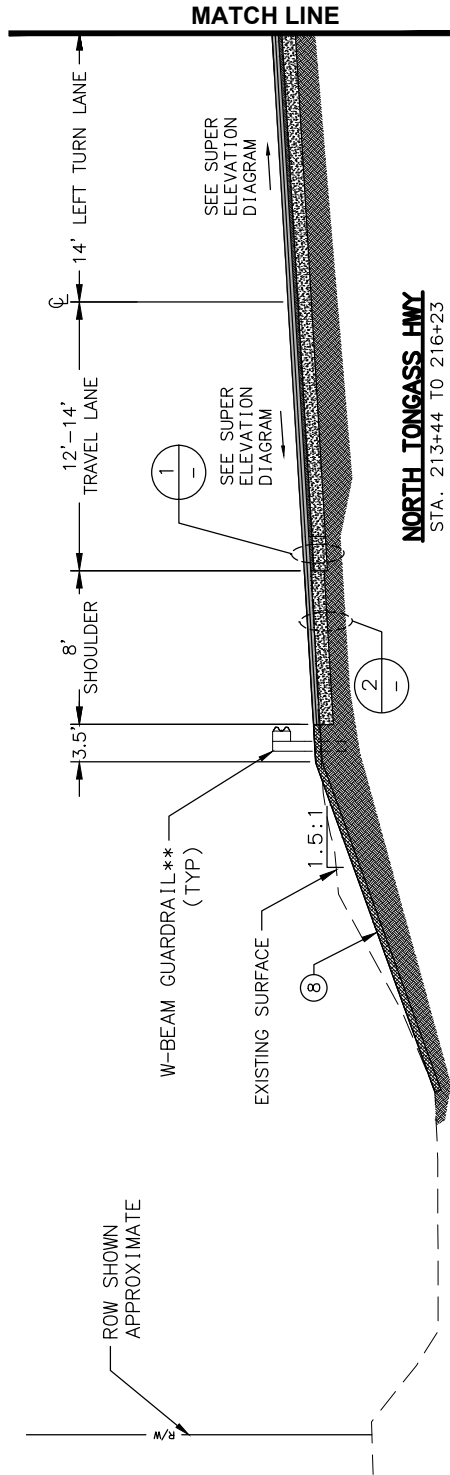


NOTE:  
USE SECTION 1 AT  
BUS STOPS.



NOTE:  
BENCH REQUIRED WHEN H  
EXCEEDS 30' TO DAYLIGHT.  
H = 30' MAX. WITHOUT  
BENCH H=20' WITH BENCH.





## PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOST REGION

## TYPICAL SECTIONS

PRELIMINARY PLANS

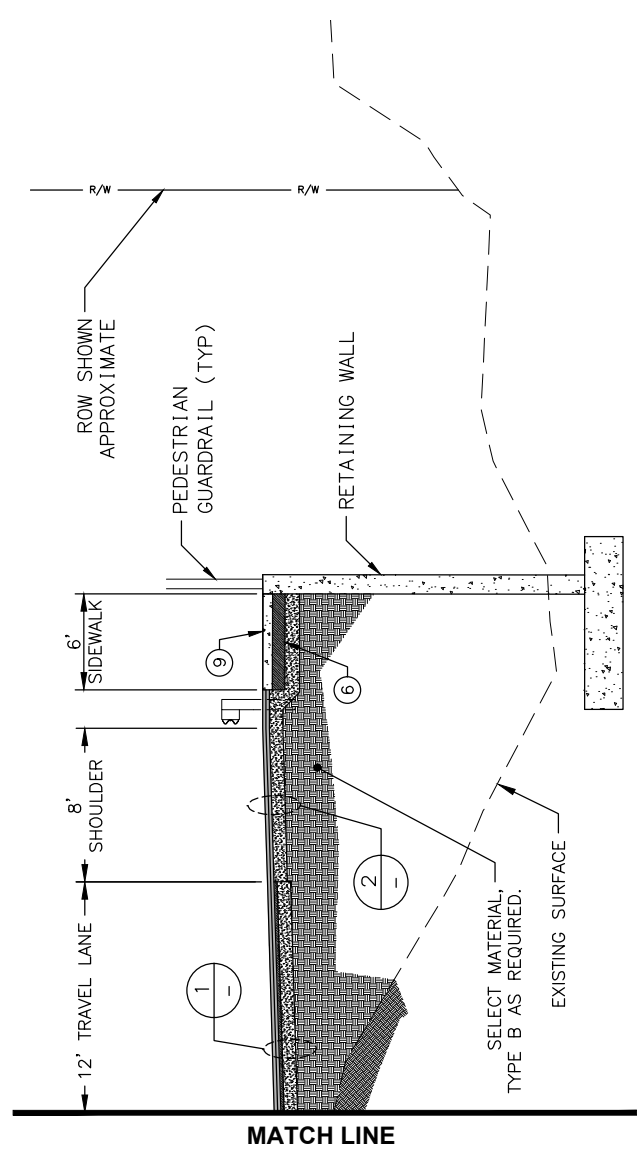
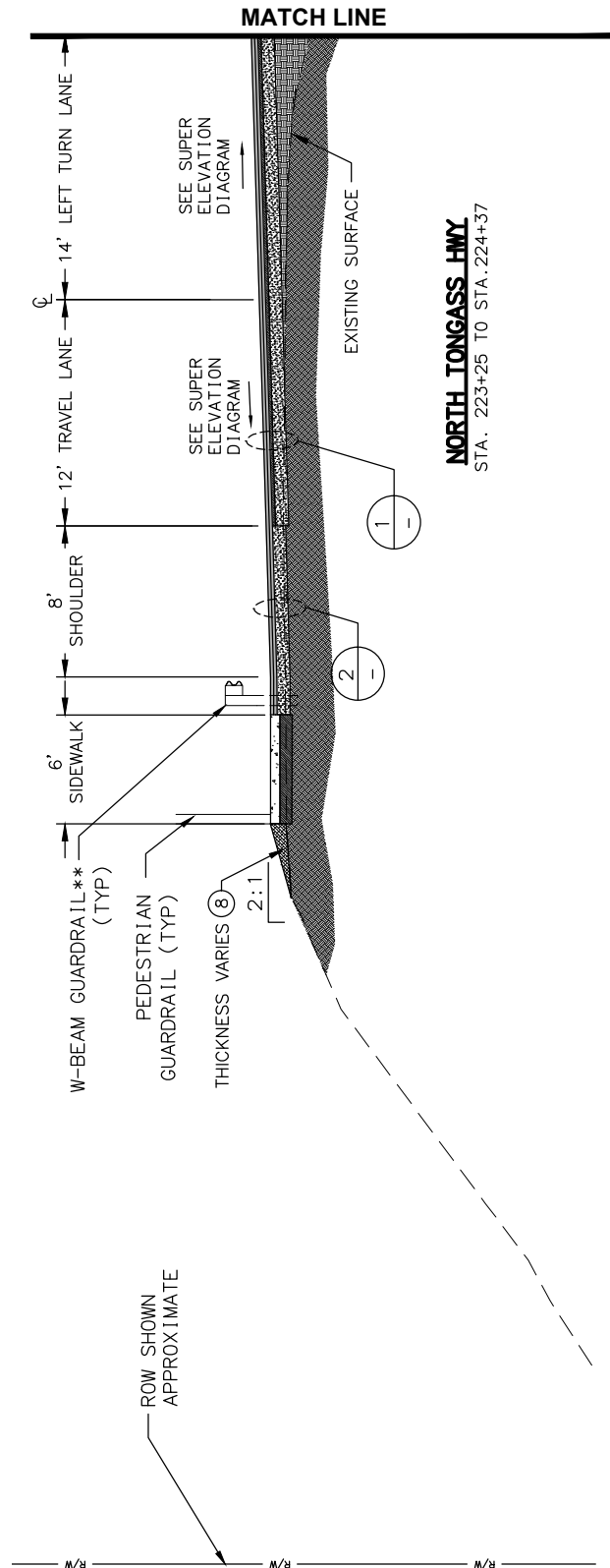
- NOT FOR CONSTRUCTION -

DATE: 3/19/2025

SHEET 12 OF 14



PLANS DEVELOPED BY: PND ENGINEERS, 9360 GLACIER HWY, SUITE 100, JUNEAU, AK 99801 (907)586-2093  
N:\23XXX\232027 KTN WARD CREEK BRIDGE 747 REPLACEMENT\0. ENVIRONMENTAL AND PERMITTING\EV SCOPING\EVS\_B1-B2 TYP SEC.DWG



### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOST REGION

## TYPICAL SECTIONS

PRELIMINARY PLANS

- NOT FOR CONSTRUCTION -

DATE: 3/19/2025

SHEET 13 OF 14

| BRIDGE DATA                |                                |                                |                                |
|----------------------------|--------------------------------|--------------------------------|--------------------------------|
| PILES BELOW HTL            |                                |                                |                                |
| ITEM                       | QUANTITY                       |                                |                                |
| 3'-0" STEEL PILE           | 14                             |                                |                                |
| 2'-0" TEMPORARY STEEL PILE | 40                             |                                |                                |
| EARTHWORK                  |                                |                                |                                |
| ITEM                       | FILL (CY)<br>BELOW HTL (19.7') | FILL (CY)<br>BELOW MHW (14.6') | FILL (CY)<br>BELOW MLLW (0.0') |
| SELECT MATERIAL            | 5500                           | 2500                           | 135                            |
| CLASS I RIPRAP             | 1390                           | 960                            | 245                            |
| CLASS III RIPRAP           | 5800                           | 4600                           | 1500                           |
| EXCAVATION                 | 15640                          | 9300                           | 1745                           |
|                            |                                |                                |                                |
| LINEAR SHORE LINE          | 800 FEET                       |                                |                                |
| ESTIMATED AREA BELOW HTL   | 30,000 SF                      |                                |                                |
| ESTIMATED AREA BELOW MHW   | 21,000 SF                      |                                |                                |

**\* Quantities are estimates and subject to change \***  
**\* Temporary fill is not included in the listed quantities \***

### PROJECT PURPOSE

REPLACE THE EXISTING WARD CREEK BRIDGE, RECONSTRUCT ROADWAY APPROACHES, REPLACE GUARDRAIL, AND ADDRESS EMBANKMENT ARMORING.

## KTN WARD CREEK BRIDGE 747 REPLACEMENT

920030 / SFHWY00160

**STATE OF ALASKA**  
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
 SOUTHCOAST REGION

## QUANTITIY SUMMARY TABLES

PRELIMINARY PLANS

**-NOT FOR CONSTRUCTION-**

DATE: 3/19/2025

SHEET 14 OF 14