State of Alaska
Department of Transportation and Public Facilities
SOUTHEAST REGION

JUNEAU, ALASKA
JNU - PEDESTRIAN REFUGE ISLANDS

PROJECT NO. HHE-000S(711) ~ 69335

"AS-Built" Plans
Contractor: Arete Construction
Project Engineer: Don Newell
Begin Construction: 4/16/12
End Construction: 5/22/12

DESIGN DESIGNATION

FRED MEYER  |  RIVERSIDE

A.D.T. 2009   =  12730   |  13090
A.D.T. 2032   =  14330   |  14680
D.H.V. (12.0%) 2032 =  1720   |  1760
% T           =  11.5%   |  11.5%
V              =  45 M.P.H. |  35 M.P.H.
E.A.L.        =  2,050,000 |  3,060,000
TURNING VEHICLE =  WB 50   |  WB 50
VEHICLE LOADING =  HS 25   |  HS 25

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1  |  T-21.02
C-10  |  T-22.00
D-10  |  T-23.00
I-10  |  T-24.00
I-11  |  T-25.00
I-12  |  T-26.02
ISLAND DETAIL AT RIVERSIDE AND EGAN

SECTION A-A

4" THICK CONCRETE SIDEWALK
AGGREGATE BASE COURSE AS REQUIRED

SECTION B-B

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS
### ESTIMATE OF QUANTITIES

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>MATERIAL DESCRIPTION</th>
<th>PAY UNIT</th>
<th>QUANTITY</th>
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</thead>
<tbody>
<tr>
<td>613 (1)</td>
<td>STANDARD BRIDGE</td>
<td>FT</td>
<td>126.8</td>
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<tr>
<td>619 (2)</td>
<td>DESIGNATION, FLEXIBLE</td>
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<tr>
<td>689 (1)</td>
<td>PEDESTRIAN ISLAND AT RIVERSIDE</td>
<td>LUMP SUM</td>
<td>ALL REQUIRED</td>
</tr>
<tr>
<td>699 (1)</td>
<td>PEDESTRIAN ISLAND AT FRED MEYER</td>
<td>LUMP SUM</td>
<td>ALL REQUIRED</td>
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<tr>
<td>641 (1)</td>
<td>PROVISION AND POLLUTION CONTROL ADMINISTRATION</td>
<td>LUMP SUM</td>
<td>ALL REQUIRED</td>
</tr>
<tr>
<td>461 (1)</td>
<td>PEDESTRIAN, BIKE PATH AND POLLUTION CONTROL</td>
<td>LUMP SUM</td>
<td>ALL REQUIRED</td>
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<tr>
<td>643 (1)</td>
<td>TRAFFIC MAINTENANCE</td>
<td>LUMP SUM</td>
<td>ALL REQUIRED</td>
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<td>643 (10)</td>
<td>PLANTINGS</td>
<td>CONTAINER LUMP SUM</td>
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<td>643 (20)</td>
<td>TRAFFIC CONTROL</td>
<td>CONTAINER LUMP SUM</td>
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<td>662 (14)</td>
<td>PEDESTRIAN SIGNAL SYSTEM COMPLETE</td>
<td>LUMP SUM</td>
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<td>670 (1)</td>
<td>TRAFFIC MESSAGE MARKERS</td>
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<td>670 (15)</td>
<td>VITAL, METHODICAL-PATHWAY MARKINGS</td>
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### 628 (1) PEDESTRIAN ISLAND AT RIVERSIDE

<table>
<thead>
<tr>
<th>ITEM DESCRIPTION</th>
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<tr>
<td>REMOVE ASPHALT CONCRETE</td>
<td>60</td>
<td>SQ YD</td>
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<tr>
<td>AGGREGATE BASE COURSE GRADING D1</td>
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<td>CUBIC YARD</td>
</tr>
<tr>
<td>CONCRETE, 4&quot; THICK</td>
<td>90</td>
<td>SQ YD</td>
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<tr>
<td>CURB AND GUTTER</td>
<td>110</td>
<td>LINEAR FT</td>
</tr>
<tr>
<td>ASPHALT CONCRETE PATCHING</td>
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<td>SQ YD</td>
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<tr>
<td>Curb Ramp</td>
<td>1</td>
<td>EACH</td>
</tr>
<tr>
<td>DETECTABLE WARNING PAD</td>
<td>3</td>
<td>EACH</td>
</tr>
<tr>
<td>CONCRETE, 3&quot; THICK</td>
<td>20</td>
<td>SQ FT</td>
</tr>
<tr>
<td>CURB AND GUTTER, TYPE 1</td>
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<td>LINEAR FT</td>
</tr>
<tr>
<td>BED COURSE MATERIAL, GRADING D1</td>
<td>4</td>
<td>CUBIC YARD</td>
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### 628 (2) PEDESTRIAN ISLAND AT FRED MEYER

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<td>REMOVE ASPHALT CONCRETE</td>
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<td>SQ YD</td>
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<tr>
<td>AGGREGATE BASE COURSE GRADING D1</td>
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<td>CUBIC YARD</td>
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<tr>
<td>CONCRETE, 4&quot; THICK</td>
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<tr>
<td>CURB AND GUTTER</td>
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<tr>
<td>Curb Ramp</td>
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<td>EACH</td>
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<tr>
<td>DETECTABLE WARNING PAD</td>
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<td>EACH</td>
</tr>
<tr>
<td>CONCRETE, 3&quot; THICK</td>
<td>10</td>
<td>SQ FT</td>
</tr>
<tr>
<td>CURB AND GUTTER, TYPE 1</td>
<td>37</td>
<td>LINEAR FT</td>
</tr>
<tr>
<td>BED COURSE MATERIAL, GRADING D1</td>
<td>3</td>
<td>CUBIC YARD</td>
</tr>
</tbody>
</table>
CURB INLET PROTECTION DETAIL

CATCH BASKET FILTERS SHALL BE USED AT ALL BAYS WHERE SEDIMENT IS LIKELY TO BE GENERATED DURING CONSTRUCTION AND WHERE THE FILTERS ARE A REASONABLE MEANS OF TRAPPING IT.

FOR ADDITIONAL DETAILS SEE STANDARD DRAWING T-20.50.
CAGES 2 WITH ONE LADDER CROSSBRANCHED 24" MIDE BY 12" DIAM WITH 20 GA CAGE. GAP SHALL BE LADDERED APPROPRIATELY TO BE CENTERED IN WHEEL PATH.

CONSTRUCT NEW TRAFFIC ISLAND AND PAINT NEW CROSSWALK

INSTALL EYE PEDESTRIAN DETECTION PAD

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PROJECT AS-BUILT DRAWINGS have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Eng. 项目工程师 2011 年
RIVERSIDE AND EGAN TRAFFIC ISLAND

Legend:
- Install new pole with pedestrian signal and pushbutton
- Install new pedestrian refuge island

Diagram notes:
- Flexible delineator (Typ.)
- DOT provided for reference

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Eng: [Signature]  Date: [Date]

Note: Do not scale from these plans-use dimensions.
NOTES:
1. LANDING SURFACE SHALL MATCH GRADE OF ROADWAY.
2. NEW SIDEWALK, CURB AND GUTTER SHALL BE CONSTRUCTED WITH UNIFORM GRADE TO MATCH EXISTING SIDEWALK, CURB AND GUTTER AND ENDS OF RAMP TAPERS.

REMOVE ALL EXISTING SIDEWALK, DETECTION PADS AND ATB BETWEEN SPECIFIED ENDPOINTS

EXISTING CURB

NEW CURB, TAPER TO MATCH GRADE AT NORTH END

PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE, THE PROJECT AS CONSTRUCTED.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS
TYPICAL RAMP NOTES:
1. RAMPS AND CURB CUT LOCATION SHALL BE APPROVED PRIOR TO BEGINNING ANY FORMING OR RAM CUTS.
2. INSTALL EXPANSION JOINT AT THE RAMPS END.
3. CEMENT TREATED BASE SHALL BE LAID PERFORMANCE BASE TO A MINIMUM THICKNESS OF 4'.

CURB RAMP TYPE "B"

CURB RAMP NOTES
1. ALL CURBED STREETS WITH SIDEWALKS/PATWAYS SHALL HAVE CURB RAMPS.
2. RAMPS SHALL BE LOCATED WITHIN THE MARKED CROSSWALK.
3. RAMPS SHALL HAVE THE OUTSIDE EDGES AND JOINTS TRIMMED WITH A 4" RADIUS BENDING TOOL.

EXPRESSWAY CURBS AND GUTTER

MOUNTABLE CURB AND GUTTER

EXPANSION JOINT DETAIL

NOTES:
1. CONCRETE SIDEWALK CURB AND GUTTER EXPANSION JOINTS SHALL BE AT THE END OF CURB RETURN AND IMMEDIATELY ADJACENT TO THE ENTRANCE OF THE STRUCTURES. THEY SHALL BE PLACED AT MAXIMUM 12’ INTERVALS.
2. CONCRETE SIDEWALK CURB JOINTS SHALL EXTEND INTO CONCRETE TO THE DEPTH AND 18" WIDE AT 6’ MINIMUM INTERVALS BETWEEN EXPANSION JOINTS.

ASPHALT PAVEMENT PATCHING DETAIL

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Eng. Date

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS
FLEXIBLE DELINEATORS NOTES:

1. DELINEATORS SHALL BE INSTALLED AT LOCATIONS SHOWN IN THE PLANS.
2. DELINEATORS SHALL BE WHITE IN COLOR. DELINEATORS INSTALLED ON OUTSIDE SHOULDER SHALL HAVE WHITE REFLECTIVE SHEETING. DELINEATORS INSTALLED ON MEDIAN SHOULDERS SHALL HAVE YELLOW REFLECTIVE SHEETING.
3. OM-1 SIGNS SHALL BE MOUNTED ON 2.8H PST, 16" x 18" WITH YELLOW REFLECTORS, BACKGROUND, AND BORDER.
4. OM-1 SIGNS SHALL BE MOUNTED SO THAT THERE IS AT LEAST 4FT CLEARANCE.

PERFORATED STEEL TUBE (P.S.T.)

<table>
<thead>
<tr>
<th>POST SIZE</th>
<th>EMBEDEMENT DEPTH</th>
<th>NO. OF P.S.T.S PERMITTED WITHIN 7 FT PATH</th>
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<tbody>
<tr>
<td>2 1/2x2 1/2x1&quot;</td>
<td>4-4&quot;</td>
<td>1</td>
</tr>
</tbody>
</table>

*USE 2X3X2X1/8" STUD FOR 2 1/2X2 1/2" PST APPLICATIONS.*

Project As-Built Drawings have been reviewed by the Project Engineer and represent the best of my knowledge, the project as constructed.

Proj. Eng. [Signature] Date [Date]
WIRING SCHEMATIC SHOWS EXISTING CONDUIT AND CABLES.

RELOCATE TO POLE "A" 

NOTES:
1. ESTABLISH NEW PSED POLE 5 IN REFUGEE ISLAND.
2. SALVAGE EXISTING PED SIGNAL HEAD 12 AND PUSHBUTTON 13.
3. ESTABLISH TYPE II J-BOX 12 IN REFUGEE ISLAND.
4. INSTALL NEW LED PSED SIGNAL HEAD 12 AND PUSH BUTTON 13.
5. A DOT SNEP EMPLOYEE SHALL BE ON SITE TO OBSERVE COMPACT METHODS AND TO TEST THE COMPACTATION AT REPRESENTATIVE LOCATIONS AND DEPTHS.

LEGEND

- TYPE I J-BOX
- TYPE II J-BOX
- TYPE III J-BOX
- RIGID METAL CONDUIT X=DIAMETER IN INCHES
- MAGNETOMETER DETECTOR
- LOOP DETECTOR
- BICYCLE LOOP DETECTOR

CONDUCTOR LEGEND

2-XX = QUANTITY OF CABLES OF INDICATED TYPE
-2C = #14 PED CALL CABLE
-5C OR 7C = #14 SIGNAL HEAD CABLE
-3C = #3 PROPRIETARY OPTIC CABLE
-6PR = MULTIPAIR LOOP DETECTOR LEAD-IN CABLE OR COMMUNICATION CABLE

RIVERSIDE AND EGAN TRENCH DETAIL

NOTE: TRENCHING, BACKFILL AND FINISHING SHALL BE CONSIDERED SUBSIDIARY TO THE TRAFFIC SIGNAL COMPLETE JOB ITEM.

NOTE: DO NOT SCALE FROM THESE PLANS USE DIMENSIONS