

State of Alaska

Department of Transportation
and Public Facilities
Southeast Region

KETCHIKAN, ALASKA

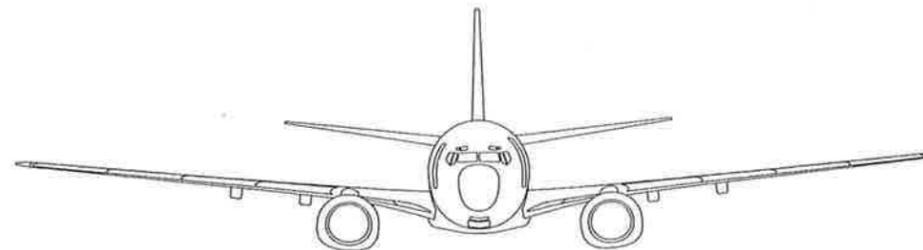
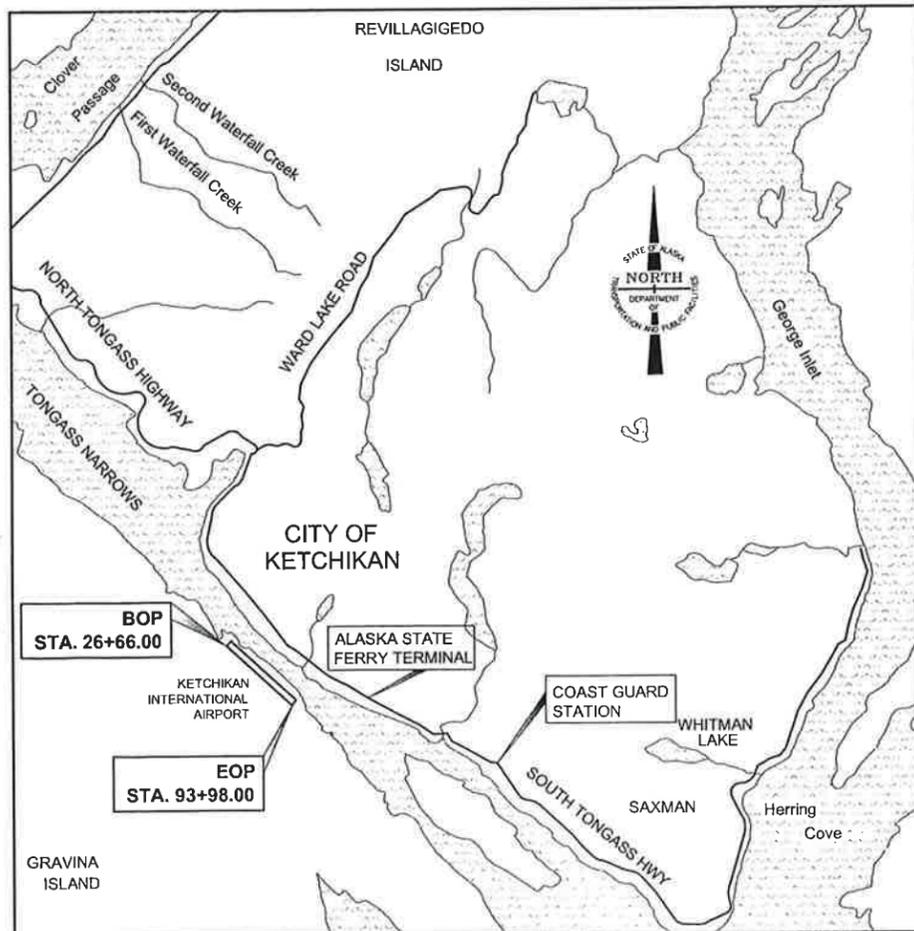
JAN 15 2014

The undersigned hereby certifies that this duplicated document is an exact and true copy of the original.
Vander Randolph



**KETCHIKAN AIRPORT TAXIWAY
AND APRON REHABILITATION
PROJECT NO. 67946
AIP No. 3-02-0144-022-2013**

**FY14 VARIOUS AIRPORTS SURFACE
PRESERVATION MAINTENANCE
PROJECT #68016
AIP NO. 3-02-0200-093-2013**



DESIGN DATA

AIRPORT TYPE	=	COMMERCIAL SERVICE
RUNWAY CATEGORY	=	TRANSPORT
RUNWAY INSTRUMENTATION	=	PRECISION
RUNWAY / TAXIWAY SURFACE	=	ASPHALT CONCRETE
RUNWAY LIGHTING	=	HIGH INTENSITY RUNWAY LIGHTING (HIRL)
TAXIWAY LIGHTING	=	MEDIUM INTENSITY TAXIWAY LIGHTING (MITL)
AIRPORT REFERENCE CODE	=	C-111
AIRPORT ELEVATION	=	88 FT (MSL) / 96 FT (MLLW)
TAXIWAY DIMENSIONS	=	7,144' x 75'
AIRPORT REFERENCE PT	=	LAT: W131°42.67'
		LONG: N55°21.24'

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT

D-25.00
D-26.02
D-35.00

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

PE *MB* Date *2/9/15*

INDEX *Asbuilts*

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U5	LIGHT BASE EXTENSION DETAIL & SCHEDULE

Project Engineer: Danielle Ryder / Mandi Boksha
Date: 3/26/14 - 7/21/14
Contractor: Knik Construction

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

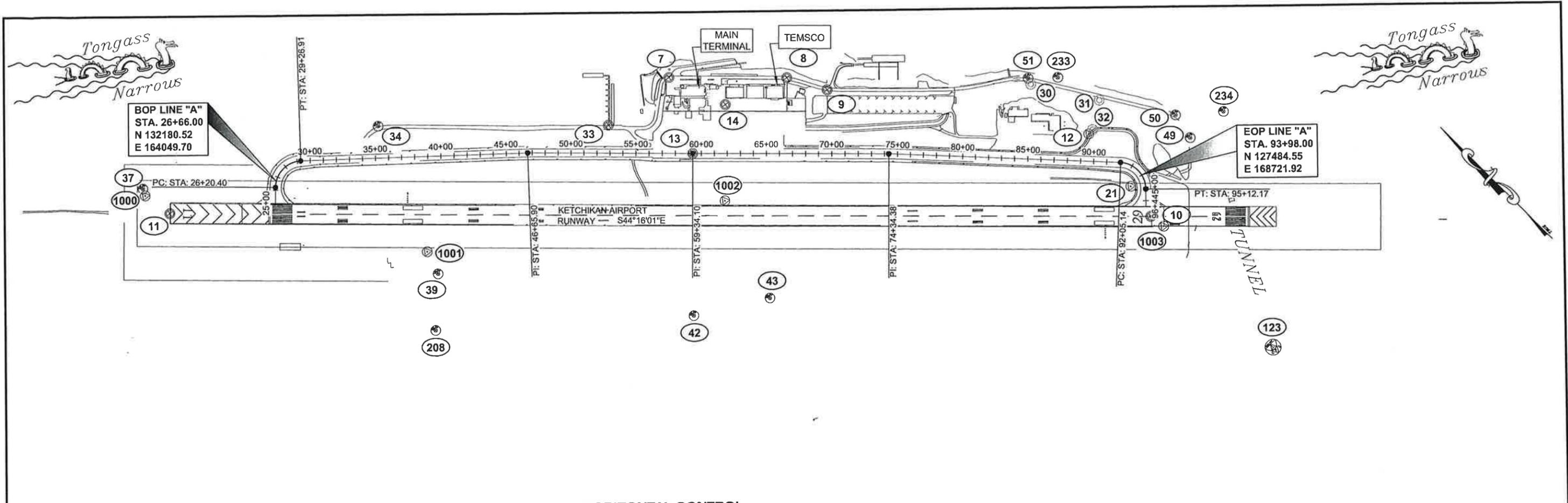


REGIONAL PRE-CONSTRUCTION ENGINEER
CHUCK CORREA, P.E. DATE 11/15/13

APPROVED: *Albert H. Clough*
DIRECTOR, SOUTHEAST REGION
ALBERT H. CLOUGH, CPG DATE 11.15.2013

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:
Paul E. Nye DATE 5/12/15
CONSTRUCTION PROJECT MANAGER

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	AIP No. 3-02-0144-022-2013 AIP No. 3-02-0200-093-2013	2013	A1	34



EXISTING SURVEY CONTROL						
Point #	Northing	Easting	ORTHO ELEVATION	LATITUDE	LONGITUDE	Description
7	130583.33	166720.08	43.44	N0° 21' 29.4777"	E0° 27' 26.3191"	CL_MON_PT_234+94.89
8	129933.69	167353.13	45.60	N0° 21' 23.0627"	E0° 27' 32.5703"	CL_MON_PI_244+01.44
9	129649.03	167503.39	33.77	N0° 21' 20.2517"	E0° 27' 34.0541"	CL_MON_PI-9
10	127215.13	168544.70	92.88	N0° 20' 56.2176"	E0° 27' 44.3368"	CL_MON_RUNWAY_BC_195+00
11	132585.91	163309.62	85.62	N0° 21' 49.2527"	E0° 26' 52.6416"	CL_MON_RUNWAY_BC_120+00
12	127988.12	168660.22	80.76	N0° 21' 03.8507"	E0° 27' 45.4775"	NGS_DMA_3*_BC
13	130049.81	166438.22	45.64	N0° 21' 24.2094"	E0° 27' 23.5358"	CL_MON_BC2.5*_60+00_TAXI/APRON
21	127482.22	168601.34		N0° 20' 58.8550"	E0° 27' 44.8960"	NGS_RECORD_KTN-D
33	130659.87	166138.47	27.29	N0° 21' 30.2335"	E0° 27' 20.5759"	BC2*/CONC_KIA-33
34	131917.46	164893.72	29.38	N0° 21' 42.6519"	E0° 27' 08.2842"	ALCAP2*/REBAR_KIA-34
37	132863.72	163297.74	70.73	N0° 21' 51.9960"	E0° 26' 52.5243"	ALCAP2*/REBAR_KIA-37
39	130805.49	164421.47	134.27	N0° 21' 31.6715"	E0° 27' 03.6209"	ALCAP2*/REBAR_KIA-39
42	129185.51	165567.88	177.69	N0° 21' 15.6746"	E0° 27' 14.9414"	ALCAP2*/REBAR_KIA-42
43	128862.55	166071.74	175.30	N0° 21' 12.4855"	E0° 27' 19.9169"	ALCAP2*/REBAR_KIA-43
49	127414.74	169181.15	36.01	N0° 20' 58.1887"	E0° 27' 50.6216"	ALCAP2*/REBAR_KIA-49
50	127614.55	169226.29	30.29	N0° 21' 00.1617"	E0° 27' 51.0672"	ALCAP2*/REBAR_KIA-50
51	128611.21	168640.53	28.12	N0° 21' 10.0035"	E0° 27' 45.2831"	ALCAP2*/REBAR_KIA-51
123	125863.39	168481.69	122.80	N0° 20' 42.8695"	E0° 27' 43.7145"	GPS_ALCTRL2*_123-A
208	130517.70	164103.19	140.71	N0° 21' 28.8297"	E0° 27' 00.4779"	ALCAP2*/REBAR(USKH)_208
233	128454.06	168802.88	14.90	N0° 21' 08.4517"	E0° 27' 46.8862"	ALCAP2*_KIA-233

ALL MONUMENTS IN THE CONTROL TABLE ARE PROVIDED STRICTLY FOR SURVEY CONTROL. SHOULD ANY OF THEM BE DESTROYED DURING CONSTRUCTION THEY SHALL NOT BE REPLACED.

HORIZONTAL CONTROL

KETCHIKAN AIRPORT LDP (LOW DISTORTION PROJECTION)
 DEFINITION OF KETCHIKAN AIRPORT LDP
 DATUM NAD 83 (1992)
 GEIOD 99
 ELLIPSOID GRS80
 UNITS: US Survey Feet
 TRANSVERSE MERCATOR PROJECTION
 CENTRAL MERIDIAN @ 131°33'00" W
 ORIGIN: 55°00'00"
 FALSE N=0.0 ft us
 FALSE E= 200000.00 ft us
 SCALE REDUCTION= 1.000003

Project Specific Horizontal Control

10 : 3" Brass Cap in well located at Threshold of Runway 29.
 N 127215.13 ft us, E 168544.70 ft us
 LATITUDE: 55°20'53.5447"
 LONGITUDE: 131°42'04.0721"
11 : 3" Brass Cap in well located at Threshold of Runway 11.
 N 132585.91 ft us, E 163309.62 ft us
 LATITUDE: 55°21'46.3580"
 LONGITUDE: 131°43'34.8564"
 Basis of Bearing accepted for Ketchikan Airport is the bearing of S44°16'01"E from the Threshold Runway Centerline Monument #11 at Sta 120+00 to the Threshold Runway Centerline monument #10 at sta 195+00.

VERTICAL CONTROL

The Basis of Vertical Control was established by GPS observations and precise Geoid model (GEOID 99) to the NOAA tide station 9450460 @ the USCG facility south of downtown Ketchikan and constrained to MLLW as published for the 1960-1983 tidal datum.
 The Project Specific Basis of Vertical Control is Threshold Runway Centerline Monument #10 at Station 195+00 having an accepted Elevation of 92.88 feet above MLLW.

EXISTING PROPERTY						
Point #	Northing	Easting	ORTHO ELEVATION	LATITUDE	LONGITUDE	Description
14	130128.95	166877.69	45.29	N0° 21' 24.9908"	E0° 27' 27.8754"	BC2*_L3/L4_BLK400
30	128564.46	168622.93	31.67	N0° 21' 09.5418"	E0° 27' 45.1093"	ALCAP1.5*_C4
31	128108.95	168899.34	25.75	N0° 21' 05.0439"	E0° 27' 47.8388"	ALCAP1.5*_C1
32	127990.00	168703.22	80.43	N0° 21' 03.8692"	E0° 27' 45.9021"	ALCAP1.5*_C2

ALL MONUMENTS IN THE PROPERTY TABLE SHALL BE PRESERVED OR REFERENCED PRIOR TO DISTURBANCE AND REPLACED AT THEIR ORIGINAL HORIZONTAL POSITION.

monument notes:
 #10 - Needs to be adjusted. Asphalt around monument is cut monument under existing runway overlay.
 #21 - concrete pad in place, No monument.
 #32 - Destroyed
 #12 - Could not locate

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE WB Date 2/9/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

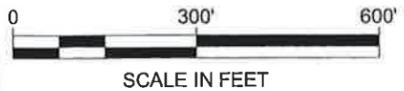
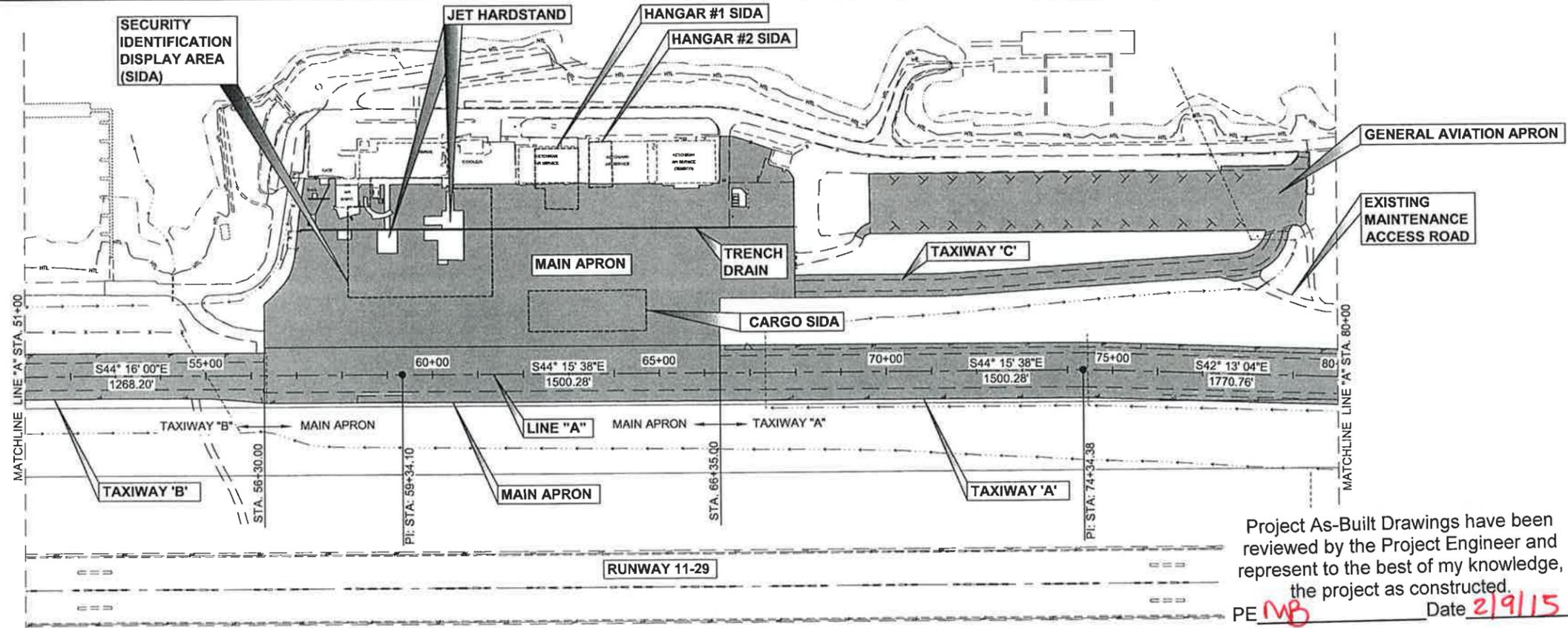
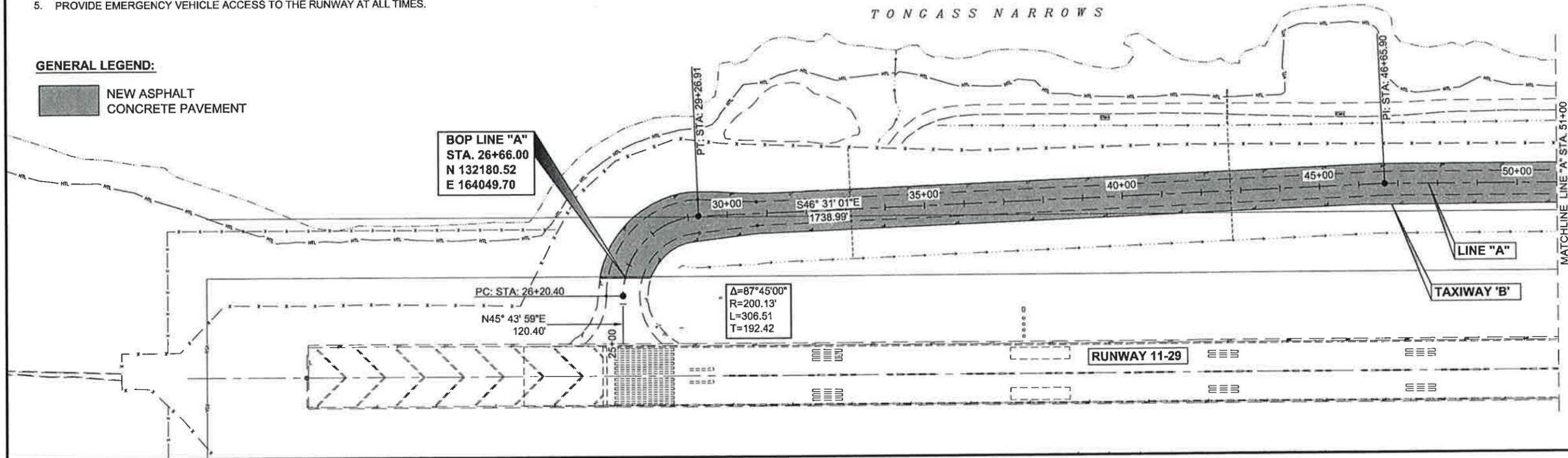
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946																					
DESIGNED BY: J. PAPOI DRAWN BY: J. PAPOI PATH: Q:\KTN\67946\PLANSET\3D 2013\ALT 1\67946_A2_KTN_AIR_LDP_CONTROL.DWG TAB: A2 Friday, November 01, 2013 2:12:14 PM GRANTHAM, RICK L (DOT)	SURVEY CONTROL PLAN																					
<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>AIP No. 3-02-0144-022-2013</th> <th>2013</th> <th>A2</th> <th>34</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE	DESCRIPTION	AIP No. 3-02-0144-022-2013	2013	A2	34								
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																
NO.	DATE	DESCRIPTION	AIP No. 3-02-0144-022-2013	2013	A2	34																

GENERAL NOTES:

1. THE EXISTING TAXIWAY CENTERLINE GRADE AND CROSS SLOPE SHALL BE USED AS CONTROL FOR THE NEW ASPHALT PAVEMENT.
2. THE CONTRACTOR SHALL LOCATE THE SURVEY MONUMENTS AND CASES IN THE EXISTING PAVEMENT AREA AND SHALL ADJUST THE CASE 1/4" BELOW FINISHED GRADE. THIS WORK SHALL BE PAID UNDER ITEM G-135c.
3. THE NEW ASPHALT PAVEMENT SURFACE OF THE TAXIWAY 'A' & 'B' SHALL BE GROOVED AS DETAILED ON SHEET B1 AND AS SPECIFIED IN ITEM P-630 OF THE SPECIFICATIONS.
4. TAXIWAY AND APRON LIGHTING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. FIELD VERIFY ACTUAL LOCATIONS.
5. PROVIDE EMERGENCY VEHICLE ACCESS TO THE RUNWAY AT ALL TIMES.

GENERAL LEGEND:

NEW ASPHALT
CONCRETE PAVEMENT

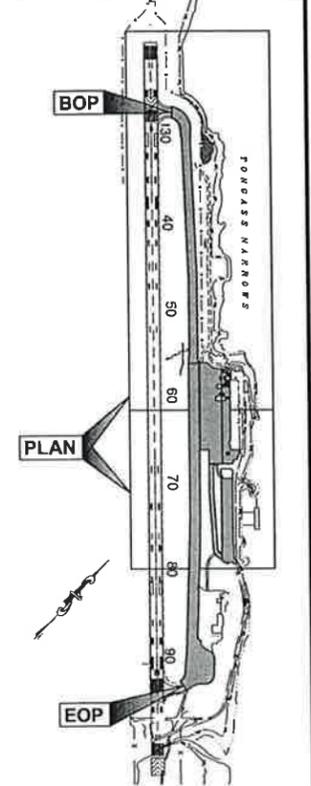


Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE **MB** Date **2/9/15**

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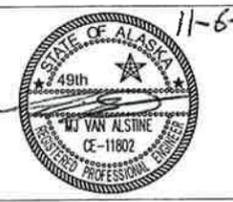
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GRANTHAM, RICK L (DOT)
TAB: A3 Wednesday, November 06, 2013 1:32:11

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: STAFF



DESIGNED BY: L. SEIFERT
DRAWN BY: R. GRANTHAM

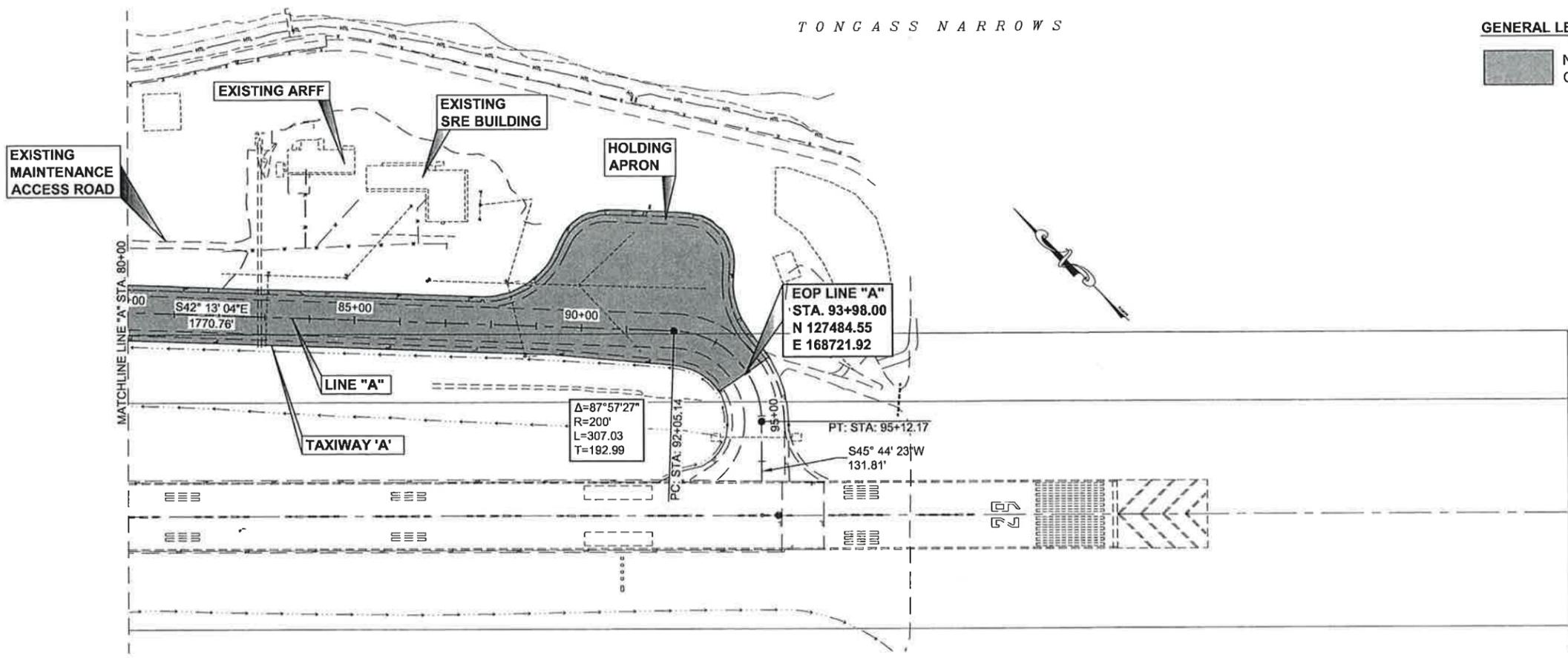
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
KTN - AIRPORT TAXIWAY AND
APRON REHABILITATION
PROJECT #67946

PROJECT LAYOUT PLAN

PROJECT DESIGNATION	
AIP No. 3-02-0144-022-2013	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
A3	34

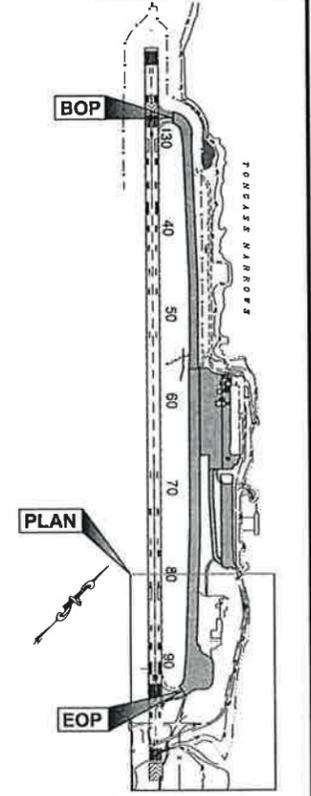
TONGASS NARROWS

GENERAL LEGEND:
 NEW ASPHALT
 CONCRETE PAVEMENT



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 GRANTHAM, RICK L (DOT)
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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



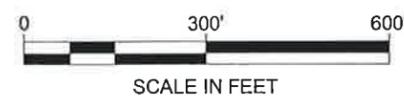
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 11-6-13

DESIGNED BY: L. SEIFERT
 DRAWN BY: R. GRANTHAM
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 KTN - AIRPORT TAXIWAY AND
 APRON REHABILITATION
 PROJECT #67946

PROJECT LAYOUT PLAN

PROJECT DESIGNATION	
AIP No. 3-02-0144-022-2013	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
A4	34

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE MB Date 2/9/15



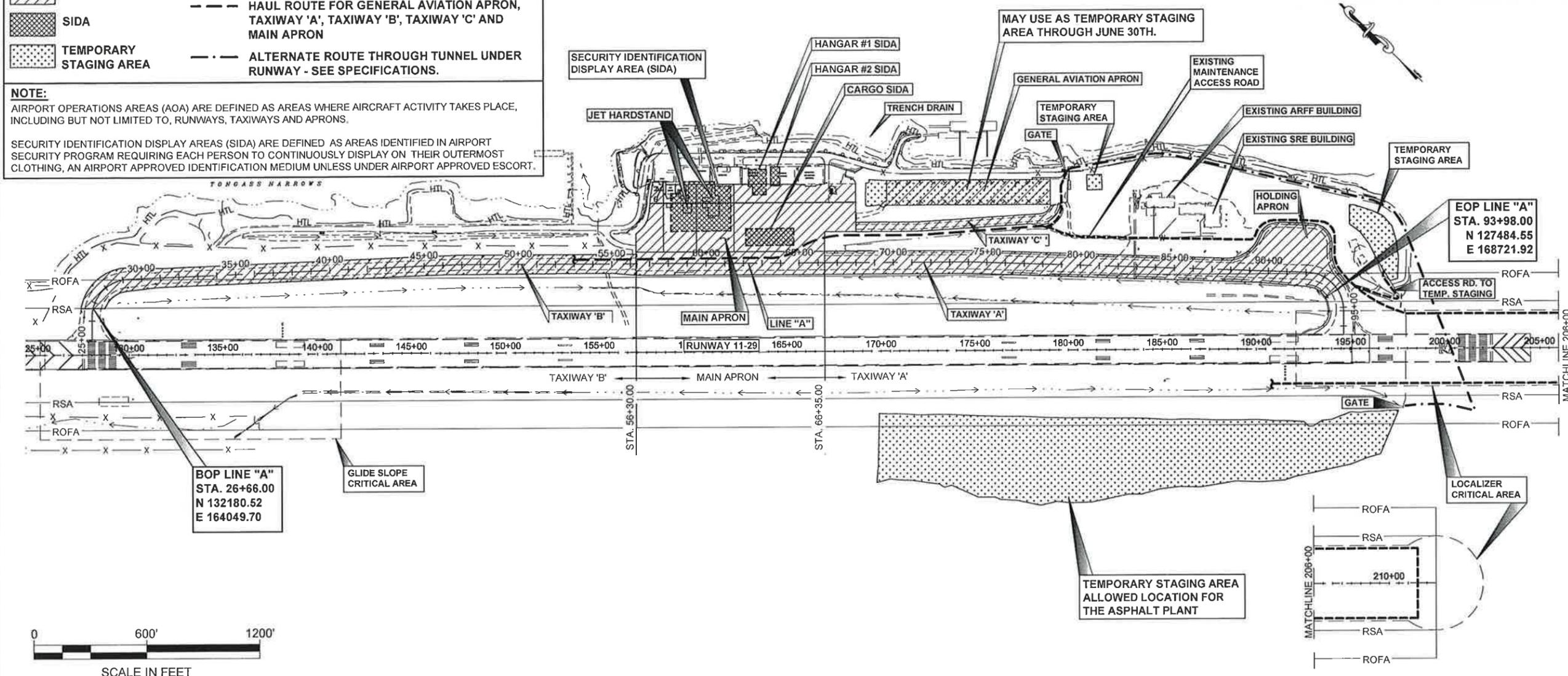
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 PE *MB* Date *2/9/15*

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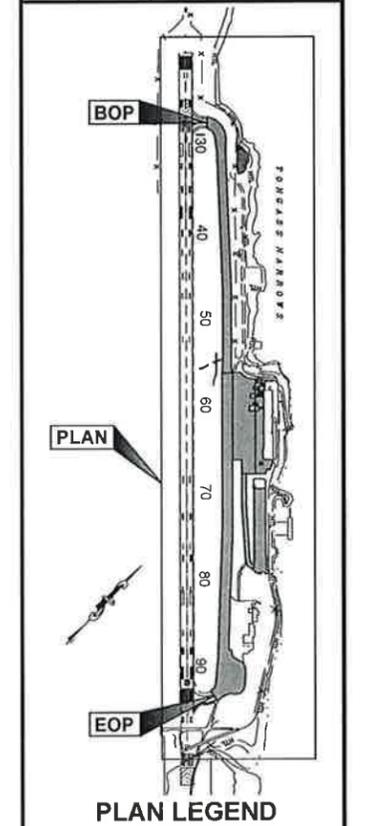
 AOA
 SIDA
 TEMPORARY STAGING AREA
 ----- PROPOSED HAUL ROUTE FOR ALL WORK
 - - - - HAUL ROUTE FOR GENERAL AVIATION APRON, TAXIWAY 'A', TAXIWAY 'B', TAXIWAY 'C' AND MAIN APRON
 - · - · ALTERNATE ROUTE THROUGH TUNNEL UNDER RUNWAY - SEE SPECIFICATIONS.

NOTE:
 AIRPORT OPERATIONS AREAS (AOA) ARE DEFINED AS AREAS WHERE AIRCRAFT ACTIVITY TAKES PLACE, INCLUDING BUT NOT LIMITED TO, RUNWAYS, TAXIWAYS AND APRONS.
 SECURITY IDENTIFICATION DISPLAY AREAS (SIDA) ARE DEFINED AS AREAS IDENTIFIED IN AIRPORT SECURITY PROGRAM REQUIRING EACH PERSON TO CONTINUOUSLY DISPLAY ON THEIR OUTERMOST CLOTHING, AN AIRPORT APPROVED IDENTIFICATION MEDIUM UNLESS UNDER AIRPORT APPROVED ESCORT.



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 BENNETT, BERT W (DOT)
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RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



SAFETY PLAN NOTES:

1. UNDER ALL CIRCUMSTANCES, SAFETY IS THE MOST IMPORTANT CONSIDERATION. SEE AC 150/5370-2F OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
2. CONSTRUCTION CANNOT BEGIN UNTIL AN OPERATIONAL SAFETY PLAN IS IN PLACE AND APPROVED BY THE AIRPORT MANAGER. ALL CONSTRUCTION WITHIN THE AIRPORT OPERATIONAL AREAS SHALL BE CARRIED OUT IN ACCORDANCE WITH AN APPROVED, CURRENT OPERATIONAL SAFETY PLAN AND LIMITATIONS IN SECTION 80 OF SPECIFICATIONS.
3. THE CONTRACTOR SHALL CONTINUOUSLY MONITOR CTAF 123.6MHz AND HAVE COMMAND VEHICLE OPERATOR (CVO) ON DUTY DURING CONSTRUCTION WITHIN THE AIR OPERATIONS AREAS. ALL PERSONNEL, EQUIPMENT, AND MATERIALS SHALL BE CLEAR OF THE AIRPORT OPERATIONS AREAS. AN AIRCRAFT OPERATION INCLUDES 15 MINUTES BEFORE ARRIVAL AND 15 MINUTES AFTER DEPARTURE.
4. SEE SHEET A6 SAFETY DETAILS FOR TEMPORARY CLOSURE MARKINGS, AND FOR BARRICADE DETAILS.
5. NO EQUIPMENT MAY BE PARKED IN FRONT OF VASI'S, GLIDE SLOPE, GLIDE SLOPE OR LOCALIZER ANTENNAS AS TO BLOCK VISUAL OR SIGNAL LANDING INFORMATION. ALL PERSONNEL AND EQUIPMENT MUST EXIT THE GLIDE SLOPE AND LOCALIZER CRITICAL AREAS PRIOR TO AIRCRAFT RUNWAY OPERATION.
6. PERFORM ALL WORK PER THE REQUIREMENTS OF SECTION 80 OF THE SPECIFICATIONS AND THE SEQUENCE OF WORK.
7. ALL STORAGE OF ANY TYPE SHALL BE IN THE DESIGNATED STAGING AREAS.
8. CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCE PLAN TO THE ENGINEER FOR APPROVAL. ANY CHANGES TO THE CONSTRUCTION SEQUENCE PLAN MUST BE APPROVED IN WRITING BY THE AIRPORT MANAGER THROUGH THE ENGINEER PRIOR TO COMMENCING WORK. THIS WORK WILL INCLUDE A REVIEW OF AND POSSIBLE CHANGES TO THE SAFETY PLAN.
9. ALL COMMUNICATIONS WITH THE AIRPORT MANAGER SHALL BE CONDUCTED THROUGH THE PROJECT ENGINEER.
10. TAXIWAY 'A' EXTENDS FROM STA. 66+35 TO STA. 93+98 TAXIWAY 'B' EXTENDS FROM STA. 26+66 TO STA. 56+30.

GENERAL NOTES:

1. CONTRACTOR SHALL SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) FOR APPROVAL BY THE PROJECT ENGINEER. ANY CHANGES TO THE SPCD MUST ALSO BE SUBMITTED FOR APPROVAL.
2. LOCATION OF THE EXISTING UTILITIES ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
3. THE WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE. SEE SHEET A7 FOR NOTES ON SEQUENCE PLAN.
4. FOR SPECIFIC LANGUAGE, INSTRUCTIONS, REGULATIONS AND RESTRICTIONS CONCERNING SEQUENCING PLAN, AND SAFETY AND SECURITY ISSUES, SEE SECTIONS 70 AND 80 OF THE SPECIAL PROVISIONS.

HAUL ROUTE NOTES:

1. ENSURE EXISTING VISUAL AIDS ARE NOT DAMAGED. THIS MAY REQUIRE TEMPORARY MARKING OR BARRICADING TO ENSURE THEIR PROTECTION. (SEE SHEET A6). VISUAL AIDS DAMAGED DUE TO IMPROPER MARKING OR BARRICADING SHALL BE PERFORMED BY AND AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE PROJECT ENGINEER.
2. VEHICLES SHALL NOT OPERATE ON RUNWAY PAVEMENT EXCEPT WHERE INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. PROTECT PAVED SURFACES FROM DAMAGE AND KEEP PAVED SURFACES CLEAR OF FOREIGN OBJECT DEBRIS (FOD).

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: STAFF



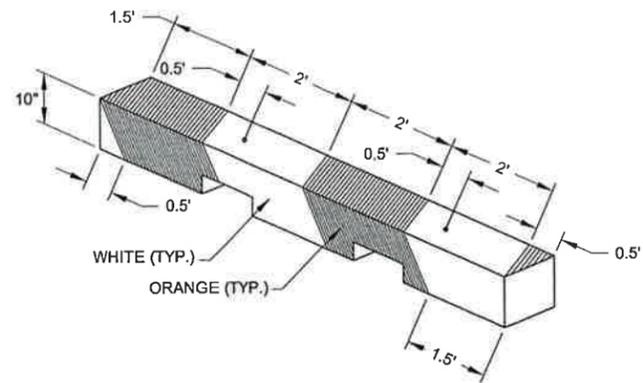
DESIGNED BY: L. SEIFERT
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946
SAFETY PLAN & HAUL ROUTE

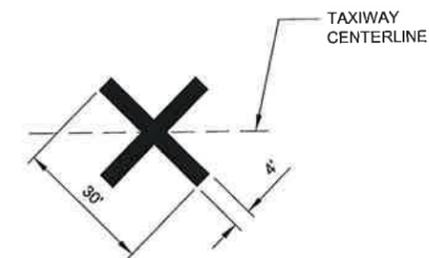
PROJECT DESIGNATION
AIP No. 3-02-0144-022-2013

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
A5	34



HAZARD MARKER BARRICADE STRIPING DETAIL

N.T.S.

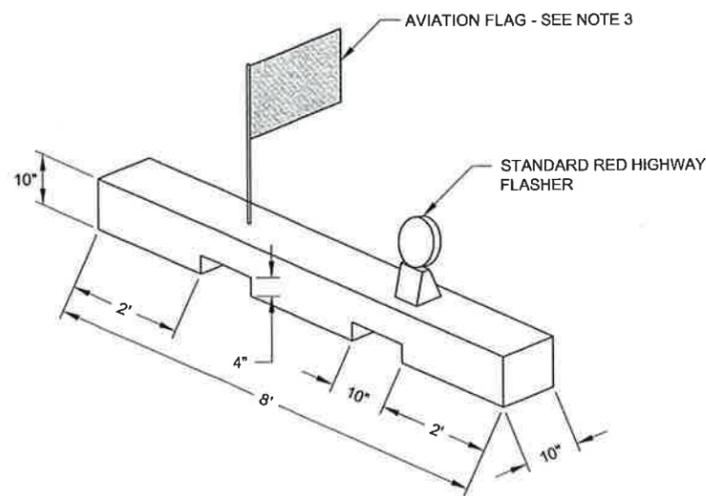


TEMPORARY TAXIWAY CLOSURE MARKINGS

N.T.S.

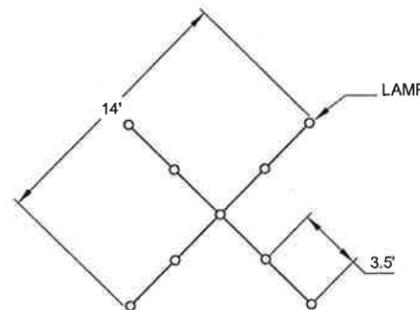
TEMPORARY TAXIWAY CLOSURE NOTES:

1. CROSSES SHALL BE YELLOW, CONSTRUCTED OF PLASTIC, CLOTHE OR 1/2" PLYWOOD AND WEIGHTED DOWN SO AS NOT TO BE MOVED BY WIND PROP WASH OR JET BLAST. WEIGHTS SHALL BE THE SAME COLOR AS THE MARKING.
2. CROSSES SHALL BE PLACED AT EACH END OF THE CLOSED PORTION OF THE TAXIWAY.
3. LOCATE MARKINGS AT TAXIWAY CENTERLINE.



HAZARD MARKER BARRICADE

PREPARATION OF FLAG & FLASHER MOUNT DETAIL



TEMPORARY RUNWAY CLOSURE

N.T.S.

TEMPORARY RUNWAY CLOSURE LIGHTED VISUAL AID:

1. REFER TO AC 150/5345-55A FOR DETAILS AND SPECIFICATIONS FOR LIGHTED "X".
2. CROSSES SHALL HAVE A MEANS FOR ADJUSTING AND LEVELING TO ALLOW TILTING TO AN OPTIMUM ANGLE OF 5 DEGREES FROM VERTICAL.
3. PLACE CROSSES AT EACH END OF THE CLOSED RUNWAY ON THE RUNWAY DESIGNATION NUMBERS AND RUNWAY CENTERLINE.
4. LIGHTED "X" MARKINGS ARE FOR NIGHT TIME CLOSURES ONLY AND MUST BE COMPLETELY REMOVED FROM THE RUNWAY AND SAFETY AREAS PRIOR TO ANY NIGHTTIME EMERGENCY LANDINGS.

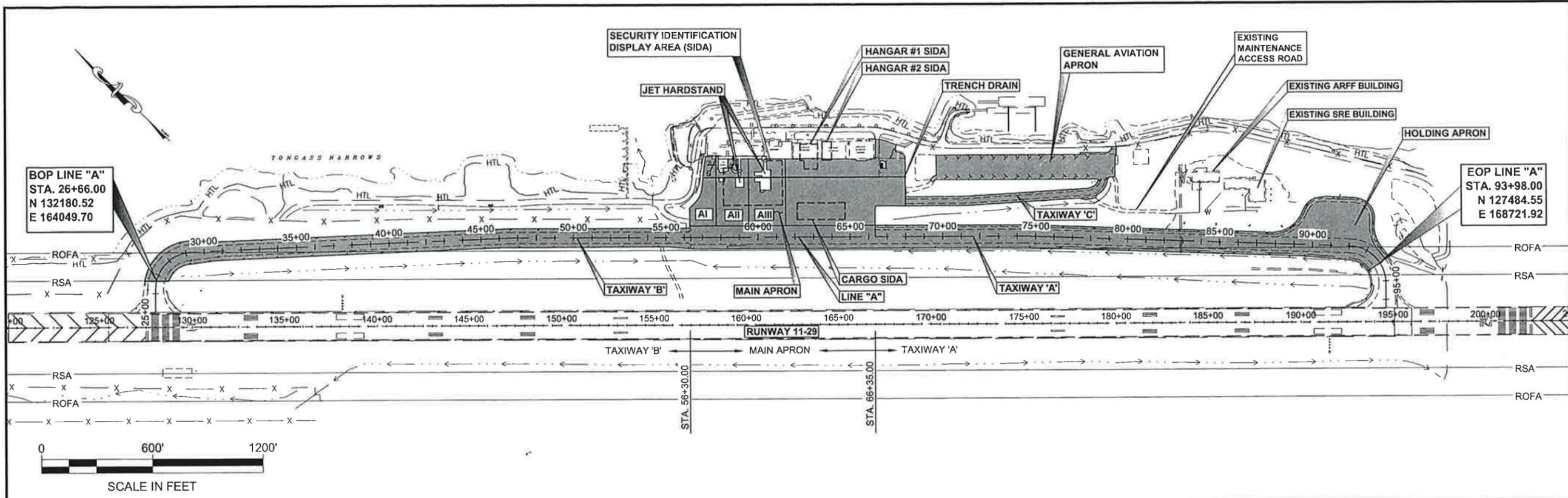
HAZARD MARKER BARRICADE DETAIL

1. BARRICADES SHALL BE IN PLACE TO LIMIT ACCESS TO THE CLOSED PORTION OF TAXIWAY.
2. BARRICADES SHALL BE OF THE LOW STYLE (10" OR LESS) WHEN USED ADJACENT TO AN ACTIVE MOVEMENT AREA). MAXIMUM SPACING SHALL BE 25 FEET O.C. THESE BARRICADES SHALL BE MARKED AS SHOWN IN THE DETAIL.
3. FLAGS SHALL ALTERNATE COLOR (ORANGE/WHITE) ON EACH BARRIER AS THEY ARE PLACED IN THE AIRPORT OPERATIONS AREA, IN SEQUENCE.
4. ANCHOR BARRICADES TO RESIST PROP WASH OR JET BLAST.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE MB Date 2/9/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: STAFF 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION										
	KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946										
DESIGNED BY: L. SEIFERT DRAWN BY: R. GRANTHAM	SAFETY DETAILS										
PATH: G:\KTM\67946\PLANSET\3D 2013\ALT 1\67946_A5-A7_SAFETY PLAN.DWG TAB: A6 Wednesday, November 06, 2013 1:32:45 PM GRANTHAM, RICK L (DOT)											
<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS			NO.	DATE	DESCRIPTION				PROJECT DESIGNATION AIP No. 3-02-0144-022-2013	YEAR 2013
REVISIONS											
NO.	DATE	DESCRIPTION									
SHEET NO. A6	TOTAL SHEETS 34										



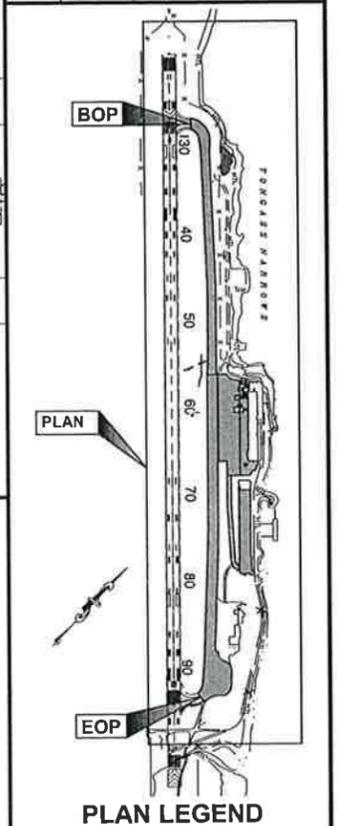
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1167946_A5-A7_SAFETY PLAN.DWG
GRANTHAM, RICK L (DOT)
TAB: A7 Wednesday, November 06, 2013 11:35:50

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



SEQUENCE OF WORK NOTES:

THIS SEQUENCE REPRESENTS ONE WAY THE PROJECT COULD BE CONSTRUCTED. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING THEIR OWN SEQUENCE AND SCHEDULE TO MEET MILESTONE REQUIREMENTS AND PROJECT COMPLETION DATE. SEQUENCE AND SCHEDULE SHALL BE APPROVED BY THE ENGINEER. THE SEQUENCE SHALL BE COORDINATED WITH THE PROJECT PLANS, SPECIFICATIONS, THE SAFETY PLAN OF SPECIFICATION SECTION 80, THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEASURES AND OVERALL CONSTRUCTION SCHEDULE. SUBMIT SEQUENCING PLANS FOR APPROVAL FIVE BUSINESS DAYS BEFORE SWPPP SUBMITTAL AND 10 DAYS BEFORE THE PRE-CONSTRUCTION CONFERENCE. CONSTRUCTION SCHEDULE AND SEQUENCE SHALL PROVIDE SUFFICIENT DETAIL TO ADDRESS REQUIRED SUBMITTALS, REVIEW PERIODS, PROCUREMENT OF MATERIALS, CONSTRUCTION WORK, AND FAA COORDINATION REQUIREMENTS ASSOCIATED WITH ALL ITEMS OF WORK. PROVIDE UPDATES FOR APPROVAL BY THE ENGINEER AS WORK PROGRESSES. DEVIATIONS FROM THE APPROVED SCHEDULE REQUIRE APPROVAL BY THE ENGINEER. SEE SHEET A5 FOR HAUL ROUTES.

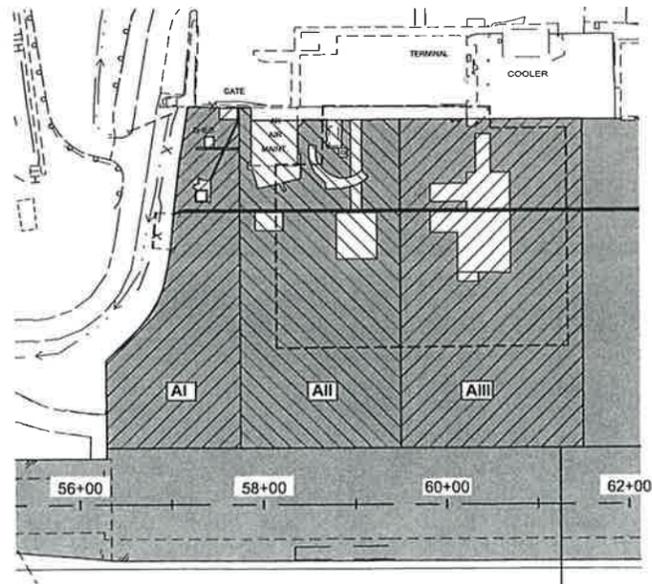
SCHEDULE:

ADOT&PF ANTICIPATES ISSUING NOTICE TO PROCEED TO THE CONTRACTOR BY FEBRUARY 11, 2014. CONTRACTOR SHALL COMPLETE TAXIWAY 'A' AND TAXIWAY 'B' PAVEMENT BY JUNE 7, 2014. PROJECT COMPLETION DATE FOR THE REMAINDER OF THE WORK IS JULY 30, 2014.

SEQUENCE OF WORK:

1. CONSTRUCT STAGING OR STORAGE AREA
2. FOR PURPOSE OF PHASING, TAXIWAY 'A' EXTENDS FROM STA. 61+25 TO EOP, AND TAXIWAY 'B' EXTENDS FROM BOP TO STA. 61+25. TAXIWAY 'A' AND HOLDING APRON: COMPLETE ALL CONSTRUCTION ACTIVITIES WITHIN THIS SEGMENT, FROM THE BEGINNING OF PAVEMENT LONGITUDINAL JOINT REPAIRS THROUGH COLD PLANING OPERATIONS AND COMPLETION OF ASPHALT PAVEMENT SURFACE COURSE PRIOR TO MOVING TO NEXT SEGMENT. ALL AIRCRAFT WILL TRAVEL TO AND FROM THE RUNWAY VIA THE TAXIWAY 'B' (WEST) DURING RECONSTRUCTION OF TAXIWAY 'A' (EAST), AND THE HOLDING APRON.
3. TAXIWAY B: COMPLETE ALL CONSTRUCTION ACTIVITIES FROM THE BEGINNING OF COLD PLANING TO COMPLETING THE ASPHALT PAVEMENT SURFACE COURSE PRIOR TO MOVING TO ANOTHER SEGMENT.
4. MAIN APRON, SEQUENCE WORK SUCH THAT AT LEAST TWO OF THE FOLLOWING AREAS ARE OPEN AND ACCESSIBLE BY ALASKA AIRLINES TO LOAD AND UNLOAD PASSENGERS AND CARGO FROM THEIR JETS AT ALL TIMES:
 - AI: PAVED AREA NORTH WEST OF THE JET HARD STANDS
 - AII: JET HARD STAND LOCATED TO THE NORTHWEST
 - AIII: JET HARD STAND LOCATED TO THE SOUTHEAST

CONTRACTOR SHALL SUBMIT A SEPARATE WORK PLAN SPECIFIC TO THESE AREAS FOR APPROVAL BY THE AIRPORT MANAGER, THROUGH THE PROJECT ENGINEER, AT LEAST THREE WEEKS PRIOR TO BEGINNING THE WORK. THIS PLAN SHALL BE COORDINATED WITH THE OVERALL WORK SEQUENCE FOR THE PROJECT. THE AIRPORT MANAGER WILL RESPOND WITH COMMENTS WITHIN TWO WEEKS. CONTRACTOR SHALL UPDATE NECESSARY CHANGES AND RESUBMIT THE PLAN FOR FINAL APPROVAL. THE AIRPORT MANAGER SHALL BE ALLOWED 7 DAYS FOR SUBSEQUENT SUBMITTALS. WORK SHALL NOT COMMENCE UNTIL FINAL APPROVAL IS RECEIVED FROM THE AIRPORT MANAGER THROUGH THE PROJECT ENGINEER. THE PLAN SHALL ACCOUNT FOR WHEEL PATH TRAVEL AND TURN RADII NECESSARY FOR ALASKA AIRLINES JETS TO ACCESS THE AREAS. MAXIMUM AIRCRAFT SIZE IS BOEING 737-800. WORK IN AREA III SHALL BE ACCOMPLISHED LAST, AFTER CONTRACTOR EFFECTS REPAIRS (IF NECESSARY) FROM JET WHEEL DAMAGE TO ALLOW GRINDING OF EXISTING ASPHALT (TO MEET SATISFACTION OF ENGINEER).
5. TAXIWAY C, GENERAL AVIATION APRON INCLUDING ACCESS ROADS: COMPLETE ALL CONSTRUCTION ACTIVITIES WITHIN THIS SEGMENT, FROM THE BEGINNING OF COLD PLANING AND PORTION OF PAVEMENT REMOVAL OPERATIONS TO COMPLETING THE ASPHALT PAVEMENT SURFACE COURSE PRIOR TO MOVING TO ANOTHER SEGMENT.
6. RSA REGRADING AT PAPI INSTALLATION: COMPLETE GRADE, AND COMPACTION TO COMPLETING WORK.
7. COMPLETE STRIPING AND CLEAN UP WORK.



JET STAND ACCESS PHASING
NTS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *ms* Date *2/9/15*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: STAFF

11-6-13

DESIGNED BY: L. SEIFERT
DRAWN BY: R. GRANTHAM

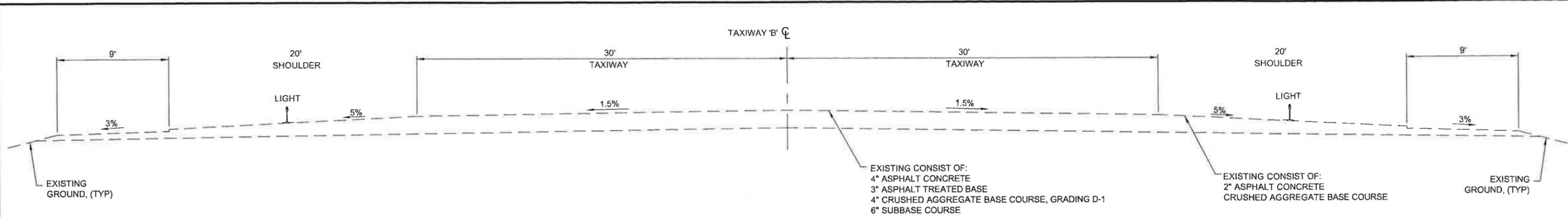
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946

CONSTRUCTION SEQUENCING PLAN

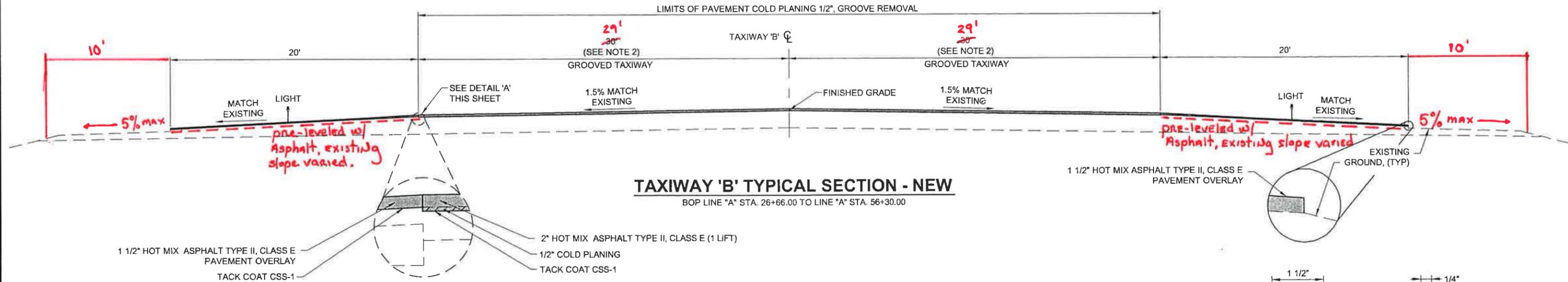
PROJECT DESIGNATION
AIP No. 3-02-0144-022-2013

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
A7	34



TAXIWAY 'B' TYPICAL SECTION - EXISTING

BOP LINE 'A' STA. 26+66.00 TO LINE 'A' STA. 56+30.00

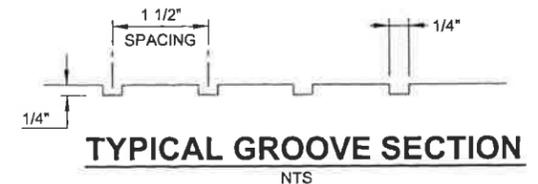


TAXIWAY 'B' TYPICAL SECTION - NEW

BOP LINE 'A' STA. 26+66.00 TO LINE 'A' STA. 56+30.00

DETAIL 'A'

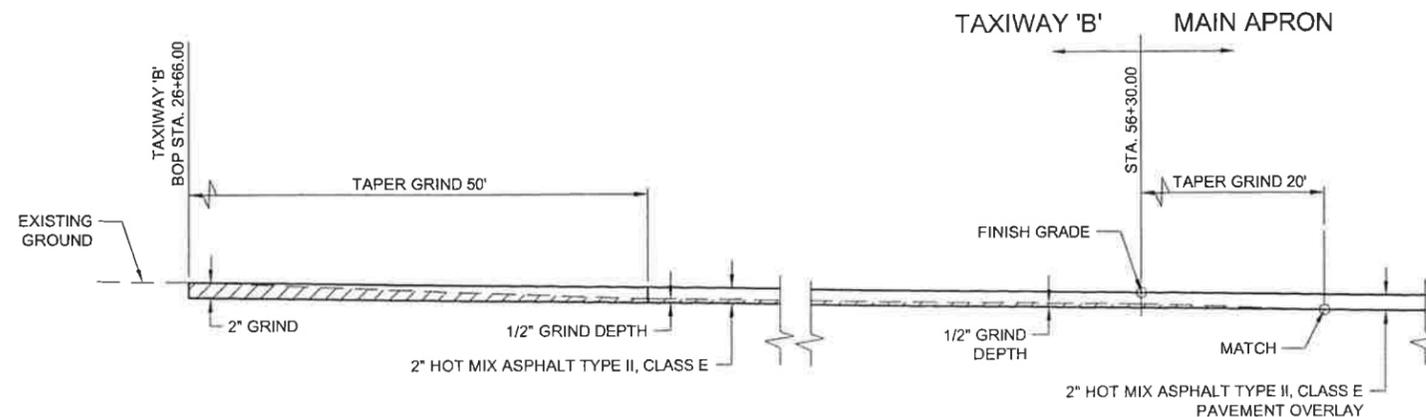
TYPICAL SECTION IS SYMMETRICAL ON BOTH SIDES



NOTES:

1. NEW TAXIWAY 'A' & 'B' PAVEMENT WILL BE GROOVED, THE GROOVES WILL RUN PERPENDICULAR TO CENTERLINE.
2. SEE SECTION P-630 OF THE CONSTRUCTION SPECIFICATIONS FOR DETAILS OF THE GROOVING OPERATION.
3. Built 5% shoulders and 3:1 slopes with Recycled Asphalt Material - RAM, existing ground varied.

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PAVEMENT TRANSITION DETAIL

BOP STA. 26+66
TRANSITION TAXIWAY 'B' TO MAIN APRON

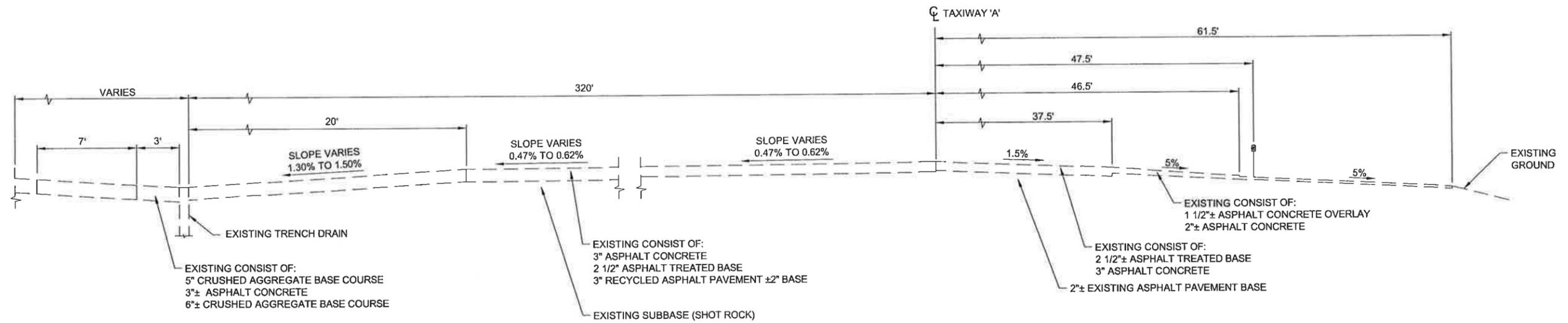
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

PE MB Date 2/9/15

TAXIWAY 'B' TYPICAL SECTION NOTES:

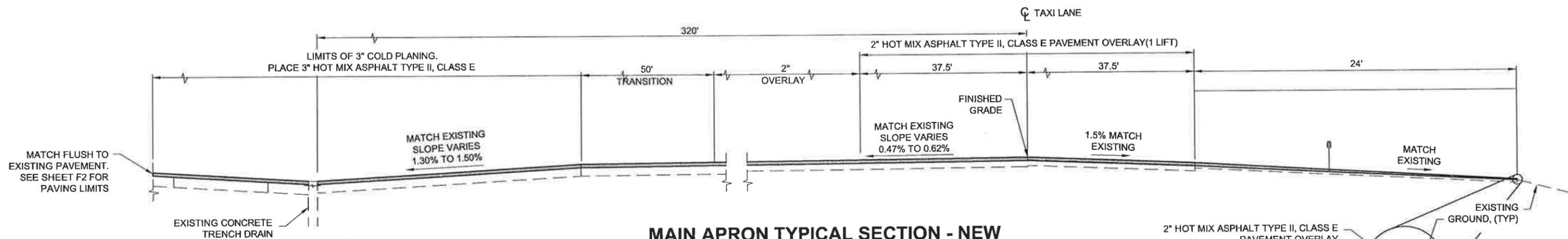
1. COLD PLANE TOP 1/2" EXISTING ASPHALT CONCRETE PAVEMENT TO REMOVE GROOVES AND DISPOSE AT AN APPROVED SITE.
2. TAXIWAY WIDTH FROM BOP TO APPROXIMATELY STA. 31+00 ARE VARIES.

CHECKED BY: STAFF 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946	
DESIGNED BY: L SEIFERT DRAWN BY: R GRANTHAM		TAXIWAY 'B' TYPICAL SECTION	
PATH: Q:\KTN\67946\PLANS\SET\3D 2013\ALT 1167946_B1-B5_TYP.DWG TAB: B1 Wednesday, November 06, 2013 1:33:06 PM GRANTHAM, RICK L (DOT)		PROJECT DESIGNATION AIP No. 3-02-0144-022-2013	YEAR 2013
REVISIONS NO. DATE DESCRIPTION	SHEET NO. B1	TOTAL SHEETS 34	



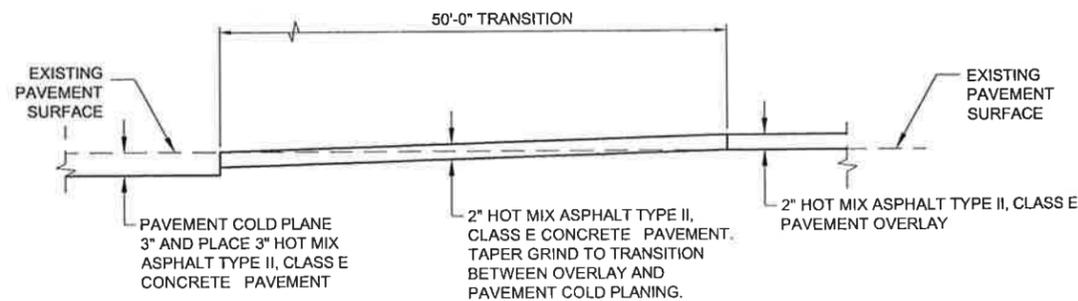
MAIN APRON TYPICAL SECTION - EXISTING

STA. 56+30 TO STA. 66+35



MAIN APRON TYPICAL SECTION - NEW

LINE "A" STA. 56+30 TO STA. 66+35



50' TRANSITION DETAIL

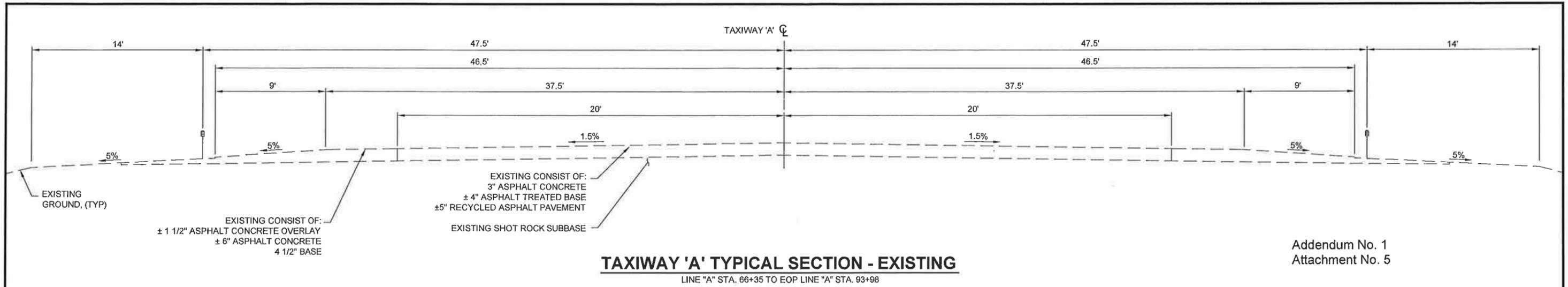
NTS

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

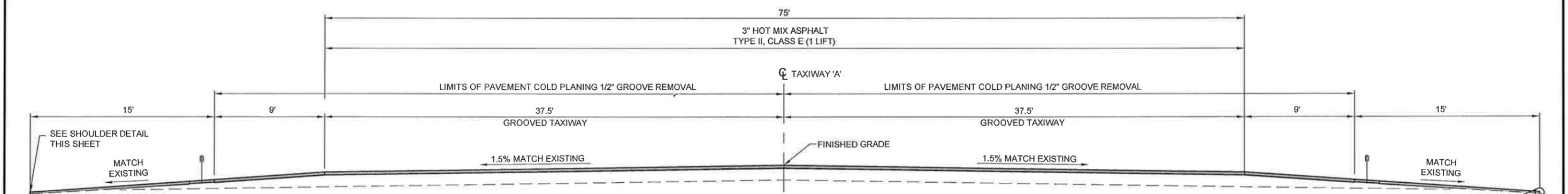
PE *MB* Date *2/9/15*

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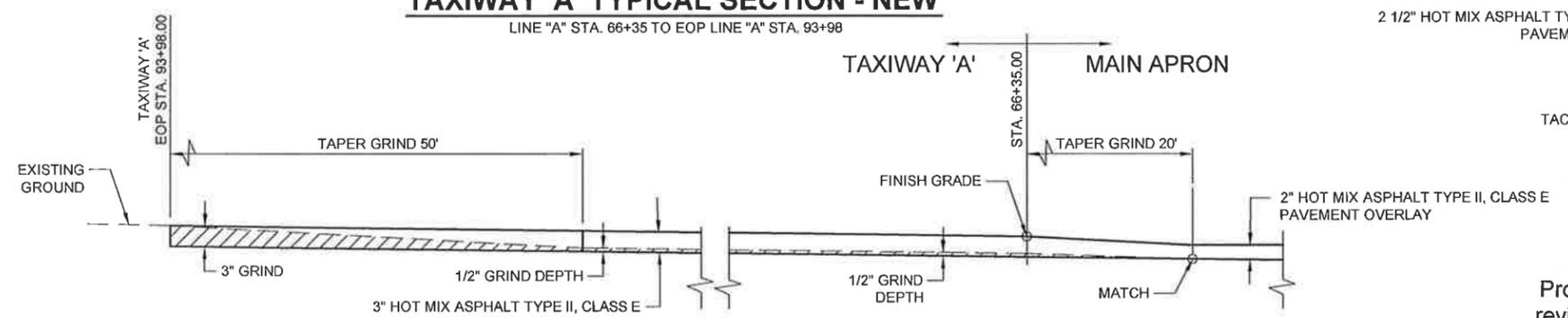
CHECKED BY: STAFF		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: L. SEIFERT		KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946	
DRAWN BY: R. GRANTHAM		MAIN APRON TYPICAL SECTION	
PATH: Q:\KTN\67946\PLANSET\3D 2013\ALT 1\67946_B1-B5_TYP.DWG			
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REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	SHEET NO.
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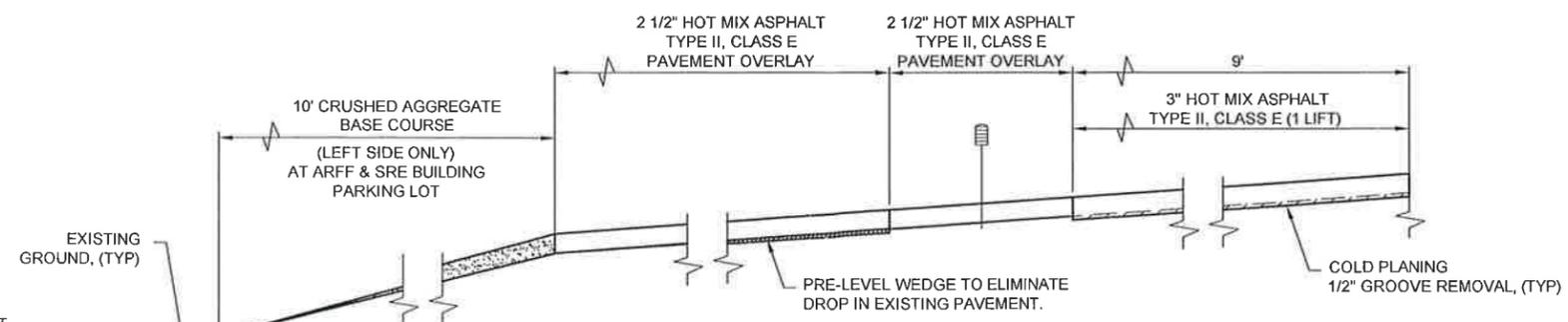
Addendum No. 1
Attachment No. 5



TAXIWAY 'A' TYPICAL SECTION - NEW
LINE "A" STA. 66+35 TO EOP LINE "A" STA. 93+98



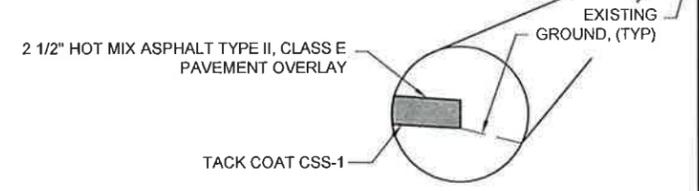
PAVEMENT TRANSITION DETAIL
EOP STA. 93+98.00
TRANSITION TAXIWAY 'A' TO MAIN APRON



TAXIWAY 'A' SHOULDER DETAIL
SHOULDER DETAIL APPLY TO LEFT & RIGHT SIDES EXCEPT THE LINEAR GRADING LEFT SIDE ONLY AT ARFF & SRE BUILDING PARKING LOT

TAXIWAY 'A' TYPICAL SECTION NOTE:

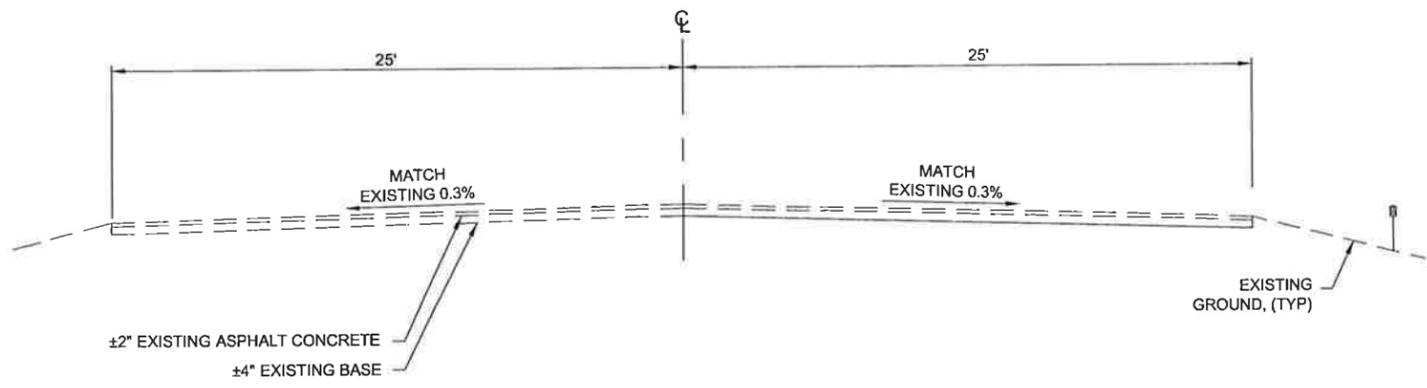
1. COLD PLANE TOP 1/2" EXISTING ASPHALT CONCRETE PAVEMENT TO REMOVE GROOVES AND STOCKPILE AS DIRECTED.
2. SEE PAVEMENT TRANSITION DETAIL HOLDING APRON TO TAXIWAY "A" ON SHEET B4.



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE MB Date 2/9/15

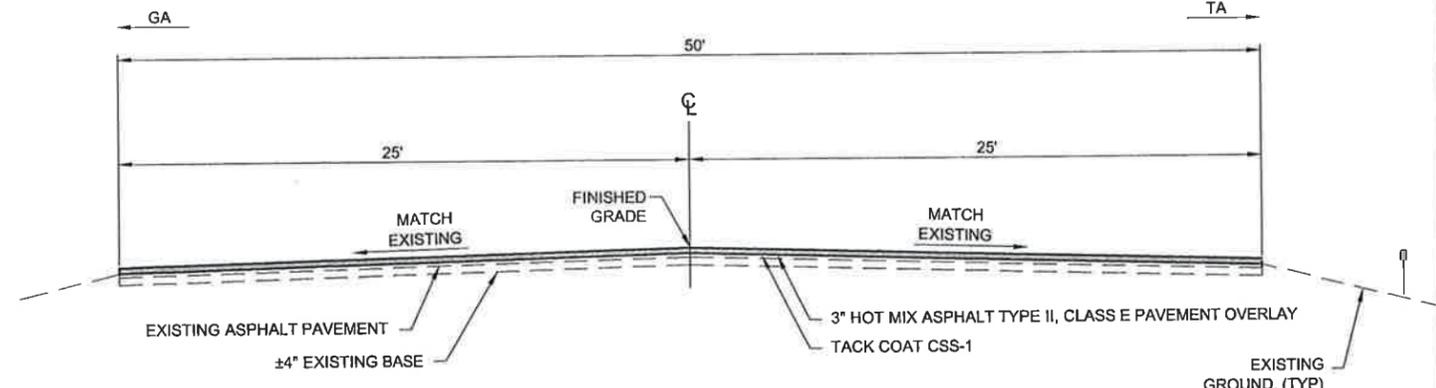
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DESIGNED BY: L. SEIFERT		KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946	
DRAWN BY: R. GRANTHAM		TAXIWAY 'A' TYPICAL SECTION	
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TAB: B3 Thursday, December 05, 2013 2:39:41 PM BENNETT, BERT W (DOT)			
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	SHEET NO.
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		AIP No. 3-02-0144-022-2013	2013
			B3
			34



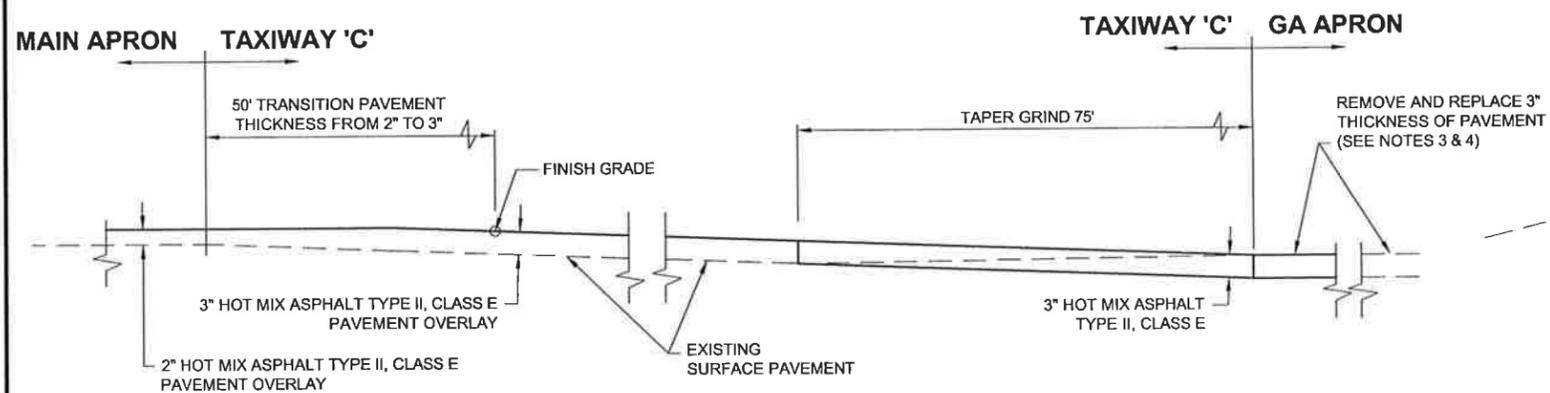
TAXIWAY 'C' TYPICAL SECTION - EXISTING

LINE "A" STA. 68+00 TO STA. 78+56



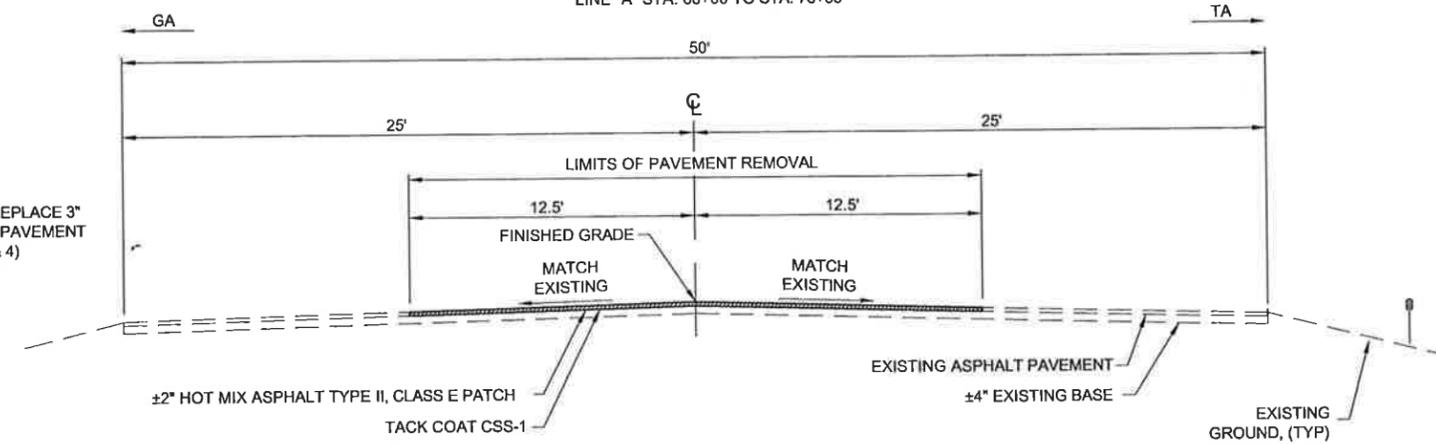
TAXIWAY 'C' OVERLAY TYPICAL SECTION - NEW

LINE "A" STA. 68+00 TO STA. 78+56



PAVEMENT TRANSITION DETAIL

MAIN APRON TO TAXIWAY 'C'
TAXIWAY 'C' TO GA APRON

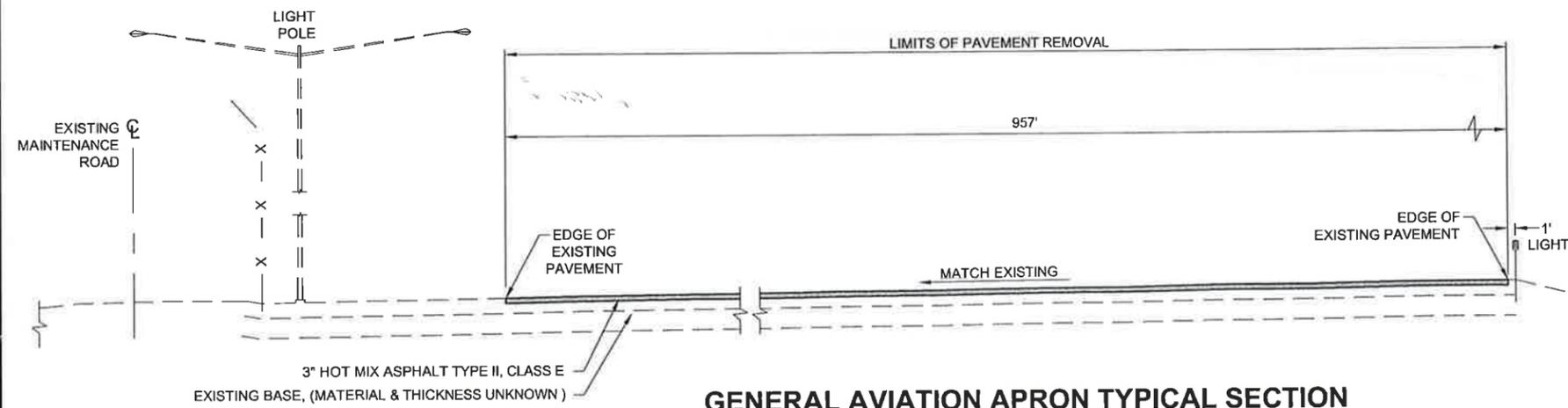


TAXIWAY 'C' SPOT REPAIR TYPICAL SECTION - NEW

LOCATIONS AND DIMENSIONS VARY, SEE "F" SHEETS

TAXIWAY 'C' NOTES:

1. COMPLETE THE PAVEMENT SPOT REPAIR WORK PRIOR TO ANY OVERLAY WORK. THE LOCATIONS AND DIMENSIONS SHOWN ARE APPROXIMATE AND SPOT REPAIR AREA LIMITS WILL BE IDENTIFIED BY THE ENGINEER PRIOR TO BEGINNING WORK.
2. FOR PAVEMENT SPOT REPAIR AREAS, REMOVE EXISTING PAVEMENT FULL-DEPTH. RE-ESTABLISH GRADE AS REQUIRED.



GENERAL AVIATION APRON TYPICAL SECTION

NTS

GENERAL AVIATION APRON TYPICAL SECTION NOTES:

1. THE INTENT IS TO MATCH THE LIMITS OF THE EXISTING PAVEMENT FOR PAVING LIMIT SEE SHEET F3.
2. REMOVE EXISTING PAVEMENT FULL DEPTH.
3. EXISTING PAVEMENT THICKNESS IS ASSUMED TO BE 3". THE INTENT IS FOR THE FINISHED GRADE TO MATCH THE EXISTING GRADE. IF THE EXISTING AC THICKNESS IS GREATER THAN 3" SUPPLEMENT WITH ADDITIONAL BASE COURSE.
4. IF THE EXISTING PAVEMENT THICKNESS IS LESS THAN 3", REMOVE THE NECESSARY BASE COURSE TO BRING TO REQUIRED GRADE.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *MB* Date *2/9/15*

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CHECKED BY: STAFF		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: L. SEIFERT		KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946	
DRAWN BY: R. GRANTHAM		TAXIWAY 'C' & GA APRON TYPICAL SECTION	
PATH: Q:\KTN\67946\PLANSET\3D 2013\ALT 1167946_B1-B5_TYP.DWG			
TAB: B5 Wednesday, November 06, 2013 1:33:21 PM GRANTHAM, RICK L (DOT)			
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	
		AIP No. 3-02-0144-022-2013	2013
		SHEET NO. B5	TOTAL SHEETS 34

BASIC BID - ESTIMATE OF QUANTITIES			
ITEM NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY
D-752D	TRENCH DRAIN REPAIR	LINEAR FOOT	216.3
G-100A	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
G-115A	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
G-130A	FIELD OFFICE	LUMP SUM	ALL REQUIRED
G-130B	FIELD LABORATORY	LUMP SUM	ALL REQUIRED
G-130G	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1
G-131A	ENGINEERING TRANSPORTATION (TRUCK)	EACH	4
G-135A	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LUMP SUM	ALL REQUIRED
G-135C	MONUMENTS BY THE CONTRACTOR	LUMP SUM	ALL REQUIRED
G-200A	CONTRACTOR QUALITY CONTROL PROGRAM	LUMP SUM	ALL REQUIRED
G-200B	QC PROGRAM ADMINISTRATOR	LUMP SUM	ALL REQUIRED
G-200C	QC TECHNICIAN	EACH	2
G-300A	CPM SCHEDULING	LUMP SUM	ALL REQUIRED
G-700A	AIRPORT FLAGGER	CONTINGENT SUM	ALL REQUIRED
G-700B	AIRPORT TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
L-100N	AIRPORT SIGN, TYPE L-858	EACH	2
L-100R	AIRPORT SIGN PANEL REPLACEMENT, TYPE L-858	EACH	2
L-100S	TAXIWAY LIGHT BASE EXTENSION, L-867	EACH	112.0
L-110K	ELECTRICAL MANHOLE ADJUSTMENT	EACH	2
P-157A	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
P-157C	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
P-157D	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ADDITIVES	CONTINGENT SUM	ALL REQUIRED
P-157F	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED
P-162A	PAVEMENT COLD PLANING	SQUARE YARD	28,031.90
P-162B	PAVEMENT COLD PLANING - 1/2" GROOVES REMOVAL	SQUARE YARD	49,046.30
P-165A	REMOVAL AND DISPOSAL OF EXISTING STRUCTURES	LUMP SUM	ALL REQUIRED
P-207A	REGRAIDING	LUMP SUM	ALL REQUIRED
P-209B	CRUSHED AGGREGATE BASE COURSE	TON	0
P-401A	HOT MIX ASPHALT TYPE II, CLASS E	TON	23,238.25
P-401B	HOT MIX ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
P-401C	ASPHALT CEMENT, GRADE PG 64-28	TON	1,381.80
P-401D	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
P-603A	TACK COAT CSS-1	TON	33.34
P-620C	TAXIWAY PAINTING	LUMP SUM	ALL REQUIRED
P-620D	RUNWAY PAINTING	LUMP SUM	ALL REQUIRED
P-630A	PAVEMENT GROOVING	SQUARE YARD	45,613.90
P-632A	INTELLIGENT COMPACTION FOR HOT MIX ASPHALT PAVEMENT	LUMP SUM	ALL REQUIRED
P-634A	LONGITUDINAL JOINT REPAIR	LINEAR FOOT	15,951.60
P-650A	SOIL ANCHOR TIE-DOWN	SET	26
P-680A	SEDIMENT BARRIER	LINEAR FOOT	2,868

P-162c	Pavement Cold Planing 1/4 Inch Surface Removal	S.Y	26,846.60
P-165b	Removal and Disposal of Existing Structures - Main	C.S	2.03
P-165c	Removal and Disposal of Existing Structures - Main	C.S	0.49
P-209c	Linear Grading	C.S	1.58
P-401e	Asphalt Shoulder Pre-Level	Ton	642.75
P-620e	Main Apron Painting	Lump Sum	1.00
L-100f	Taxiway Light Base Spacer, L-867	Each	15.00
P-630b	Night Pavement Grooving Operations-Price Adjustment	Lump Sum	8,037.29

BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
P-401a	HOT MIX ASPHALT, TYPE II, CLASS E	120 LBS/SY/IN
P-401c	ASPHALT CEMENT, GRADE PG 64-28	8.0% OF P-401a
P-603a	TACK COAT CSS-1	0.1 GAL/SY, (243 GAL/TON)

Addendum No. 1
Attachment No. 2

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE MB Date 2/9/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946			
DESIGNED BY: L. SEIFERT DRAWN BY: R. GRANTHAM		ESTIMATE OF QUANTITIES			
PATH: Q:\KTN\67946\PLANSET\3D 2013\ALT 1\67946_C1_EST-ALT.DWG TAB: C1 Thursday, December 05, 2013 3:38:26 PM BENNETT, BERT W (DOT)					
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION AIP No. 3-02-0144-022-2013	YEAR 2013	SHEET NO. C1	TOTAL SHEETS 34

D-752d TRENCH DRAIN REPAIR SUMMARY						
DRAIN	FROM		TO		LENGTH (FT)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
TRENCH DRAIN REPAIR	57+46	318.59 LT	57+96	318.58' LT	50.00	CONCRETE DRAIN DAMAGED
TRENCH DRAIN REPAIR	57+67	321.34 LT	58+51	321.39 LT	84.00	CONCRETE DRAIN DAMAGED
TRENCH DRAIN REPAIR	67+50	321.14' LT	68+00	321.14' LT	50.00	CONCRETE DRAIN DAMAGED

NOTE:
TRENCH DRAIN REPAIR LOCATIONS INDICATED BY THE PLANS ARE APPROXIMATE. PROJECT ENGINEER WILL VERIFY LOCATIONS OF ACTUAL REPAIRS REQUIRED.
CONTRACTOR SHALL PERFORM ACTUAL REPAIRS AS DIRECTED BY THE ENGINEER.

P-162a COLD PLANING								
ITEM / DESCRIPTION	FROM		TO		LENGTH (FT)	WIDTH (FT)	AREA (SY)	REMARKS
	STA	OFF	STA	OFF				
MAIN APRON							25288	COLD PLANING LIMITS ON SHEET B2 TYPICAL SECTION
TAXIWAY 'C'	68+00		70+38		238	25	662	SPOT REPAIR
TAXIWAY 'C'	71+60		71+96		36	12.5	50	SPOT REPAIR
							26000.00	

NOTE:
THE LOCATIONS AND DIMENSIONS ARE APPROXIMATE AND AREAS OF DAMAGED CONCRETE WILL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO BEGINNING WORK.

P-162b COLD PLANING								
ITEM / DESCRIPTION	FROM		TO		LENGTH (FT)	WIDTH (FT)	AREA (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET				
TAXIWAY 'B'	26+66	30 LT/RT	56+30	30 LT/RT	2,964	60	19760	1/2" COLD PLANING TO REMOVE GROOVING
TAXIWAY 'A'	66+35	37.5 LT/RT	93+98	37.5 LT/RT	2,763	75	23025	1/2" COLD PLANING TO REMOVE GROOVING
TAXIWAY A SHOULDER	66+35	9 LT/RY	93+98	9 LT/RT	2,763	18	5526	1/2" COLD PLANING TO REMOVE GROOVING
							48320	

P-165a REMOVAL AND DISPOSAL OF EXISTING STRUCTURES							
ITEM / DESCRIPTION	FROM	TO	LENGTH (FT)	WIDTH (FT)	AREA (SY)	QTY (EA)	REMARKS
	STA	STA					
REMOVAL OF PAVEMENT	69+68	77+00			14600		GENERAL AVIATION (GA) APRON AREA
GA APRON TIE DOWN CONCRETE BLOCK						26	AIRPLANE CONCRETE TIE DOWN BLOCKS BELOW GRADE
GA APRON TIE DOWN CABLE			780.00			3	AIRPLANE CABLE TIE DOWN

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE MB Date 2/9/15

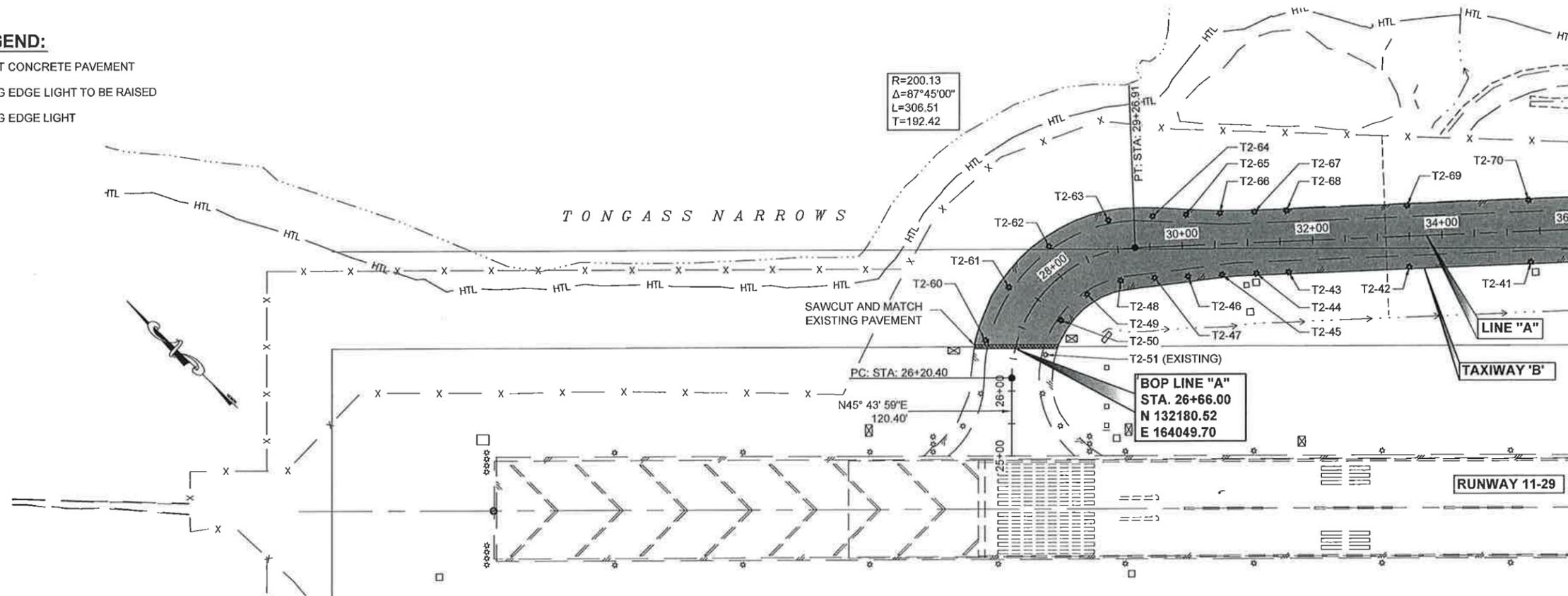
SUMMARY TABLE NOTES:
1. THE LOCATIONS AND DIMENSIONS ARE APPROXIMATE AND AREAS OF DAMAGED CONCRETE WILL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO BEGINNING WORK.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: STAFF 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946				
DESIGNED BY: L. SEIFERT DRAWN BY: R. GRANTHAM		SUMMARY TABLES				
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NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			AIP No. 3-02-0144-022-2013	2013	D1	34

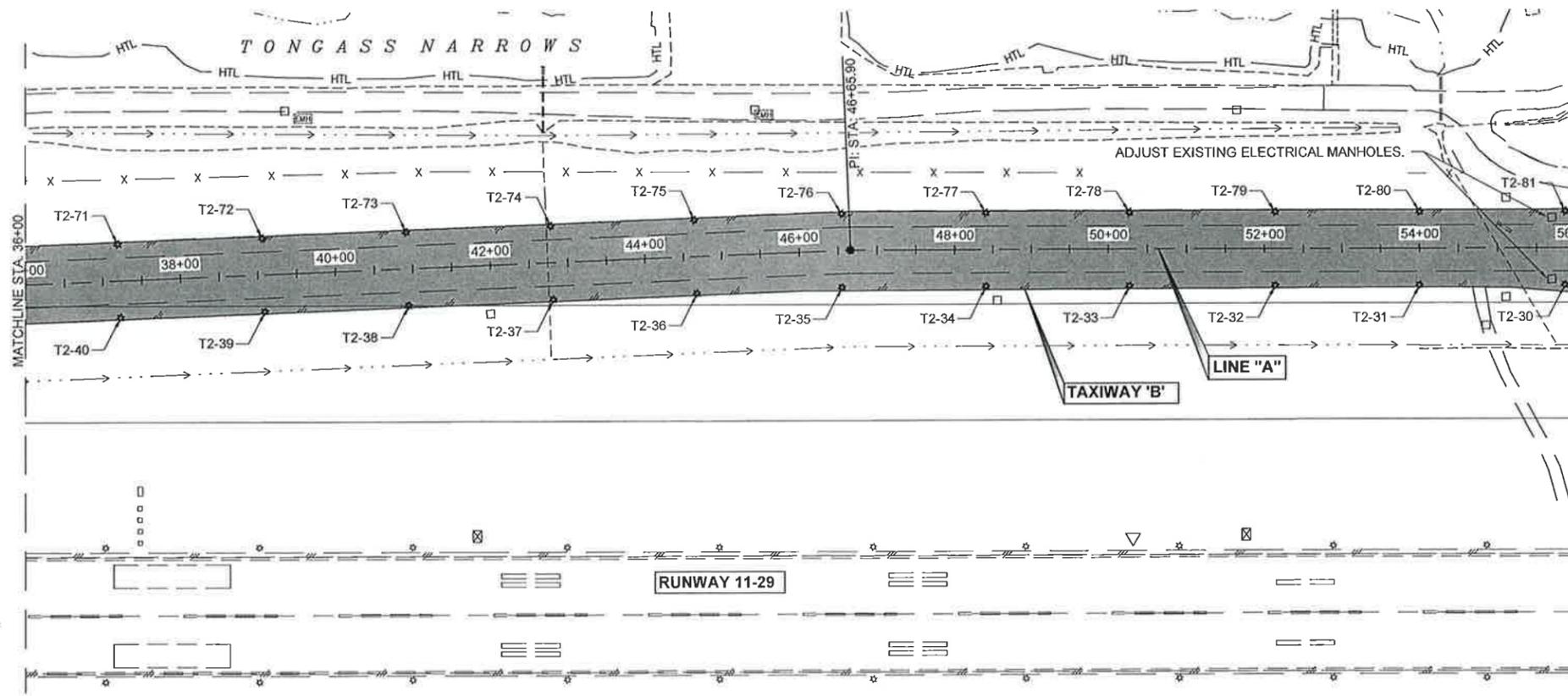
GENERAL LEGEND:

-  ASPHALT CONCRETE PAVEMENT
-  EXISTING EDGE LIGHT TO BE RAISED
-  EXISTING EDGE LIGHT



GENERAL NOTES:

1. TAXIWAY EDGE LIGHTING SHALL BE ADJUSTED TO MATCH NEW PAVING GRADE.
2. FOR TAXIWAY LIGHTING DETAILS SEE SHEET U5.



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *MB* Date *2/9/15*



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

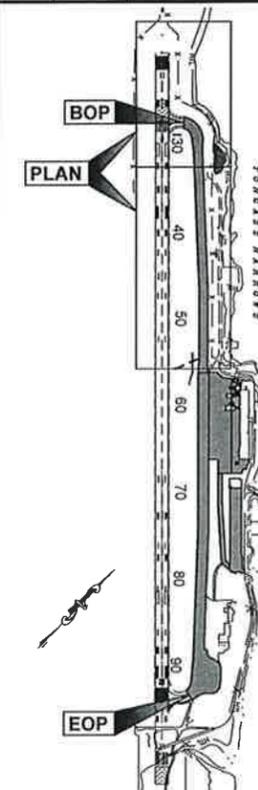
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 GRANHAM, RICK L (DOT)
 TAB: F1 Friday, November 15, 2013 10:35:42 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: STAFF



DESIGNED BY: L. SEIFERT

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

KTN - AIRPORT TAXIWAY AND
 APRON REHABILITATION
 PROJECT #67946

**TAXIWAY 'B'
 PLAN VIEW**

PROJECT DESIGNATION
AIP No. 3-02-0144-022-2013

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F1	34

GENERAL LEGEND:

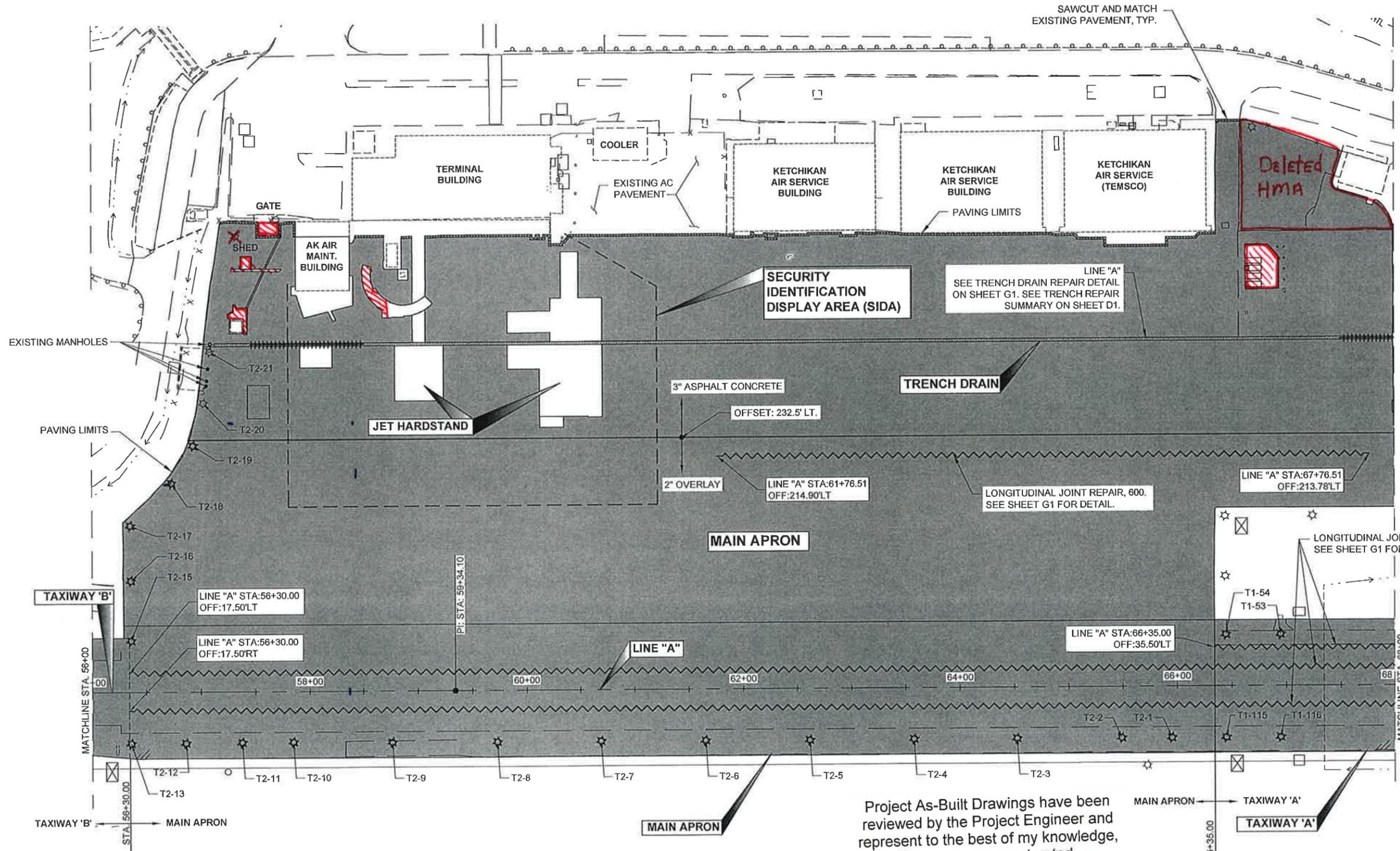
-  ASPHALT CONCRETE PAVEMENT
-  LONGITUDINAL JOINT REPAIR
-  CONCRETE TRENCH DRAIN REPAIR
-  EXISTING EDGE LIGHT TO BE RAISED
-  EXISTING EDGE LIGHT

NOTE:

1. REMOVE PAVEMENT TO THE CONCRETE APRONS AND SLABS ABUTTING THE BUILDINGS.
2. NO ADJUSTMENT IS NECESSARY FOR ALL APPURTENANCES NORTH OF THE 232.5' LT OFFSET LINE.

 **Removed Existing-2" HMA Overlay**

TONGASS NARROWS

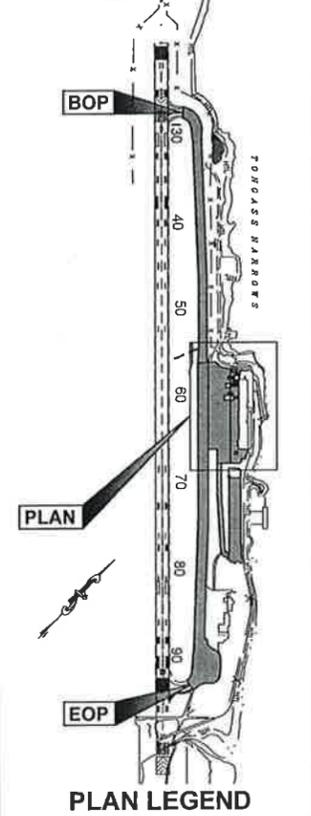


Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *MB* Date *2/9/15*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No	DATE	DESCRIPTION



CHECKED BY: STAFF

11-15-13



DESIGNED BY: L. SEIFERT
 DRAWN BY: R. GRANHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946

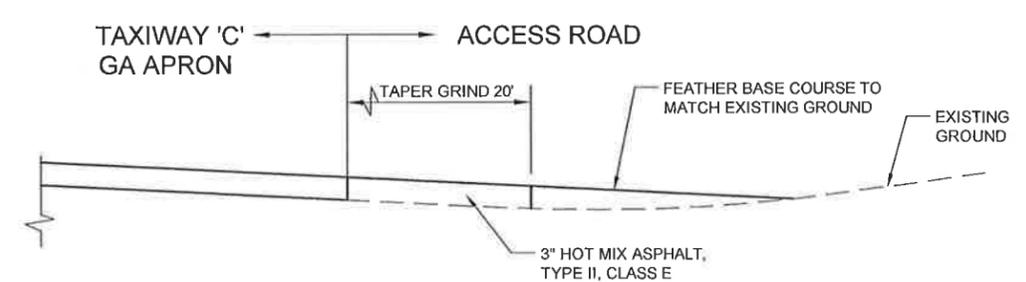
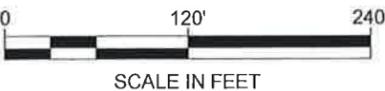
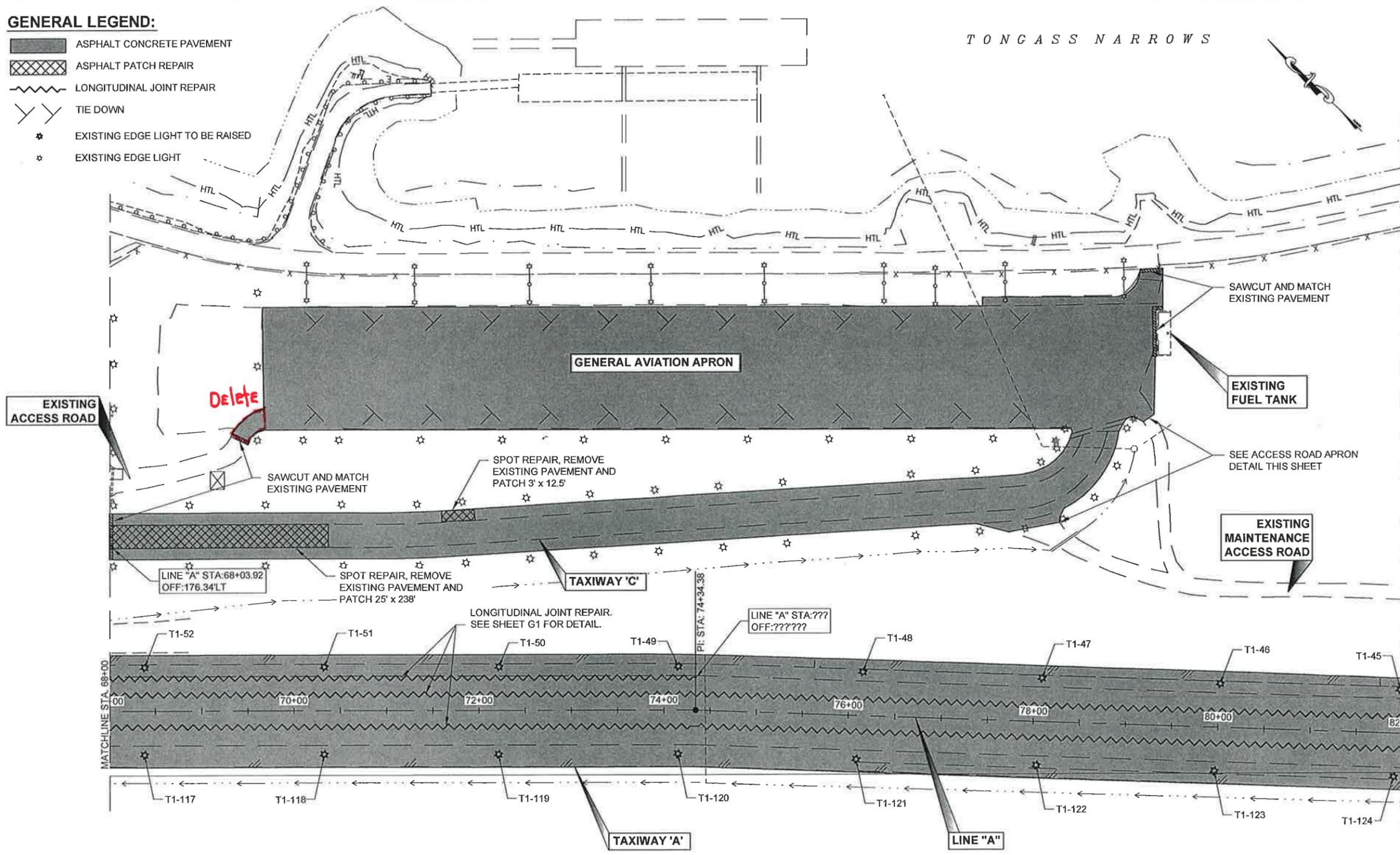
MAIN APRON PLAN VIEW

PROJECT DESIGNATION
AIP No. 3-02-0144-022-2013

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F2	34

GENERAL LEGEND:

-  ASPHALT CONCRETE PAVEMENT
-  ASPHALT PATCH REPAIR
-  LONGITUDINAL JOINT REPAIR
-  TIE DOWN
-  EXISTING EDGE LIGHT TO BE RAISED
-  EXISTING EDGE LIGHT



ACCESS ROAD APRON DETAIL
NTS

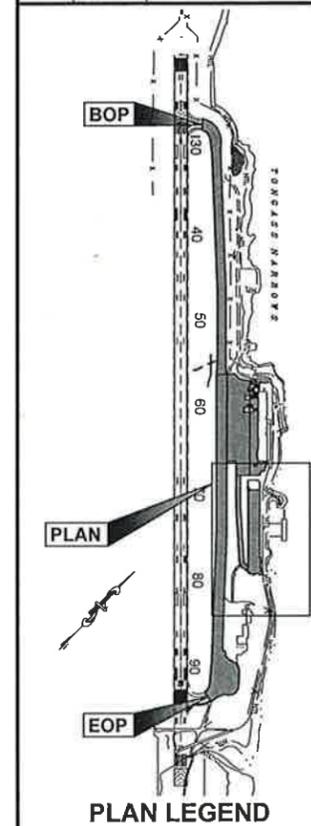
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *MB* Date *2/9/15*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

TONGASS NARROWS

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RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



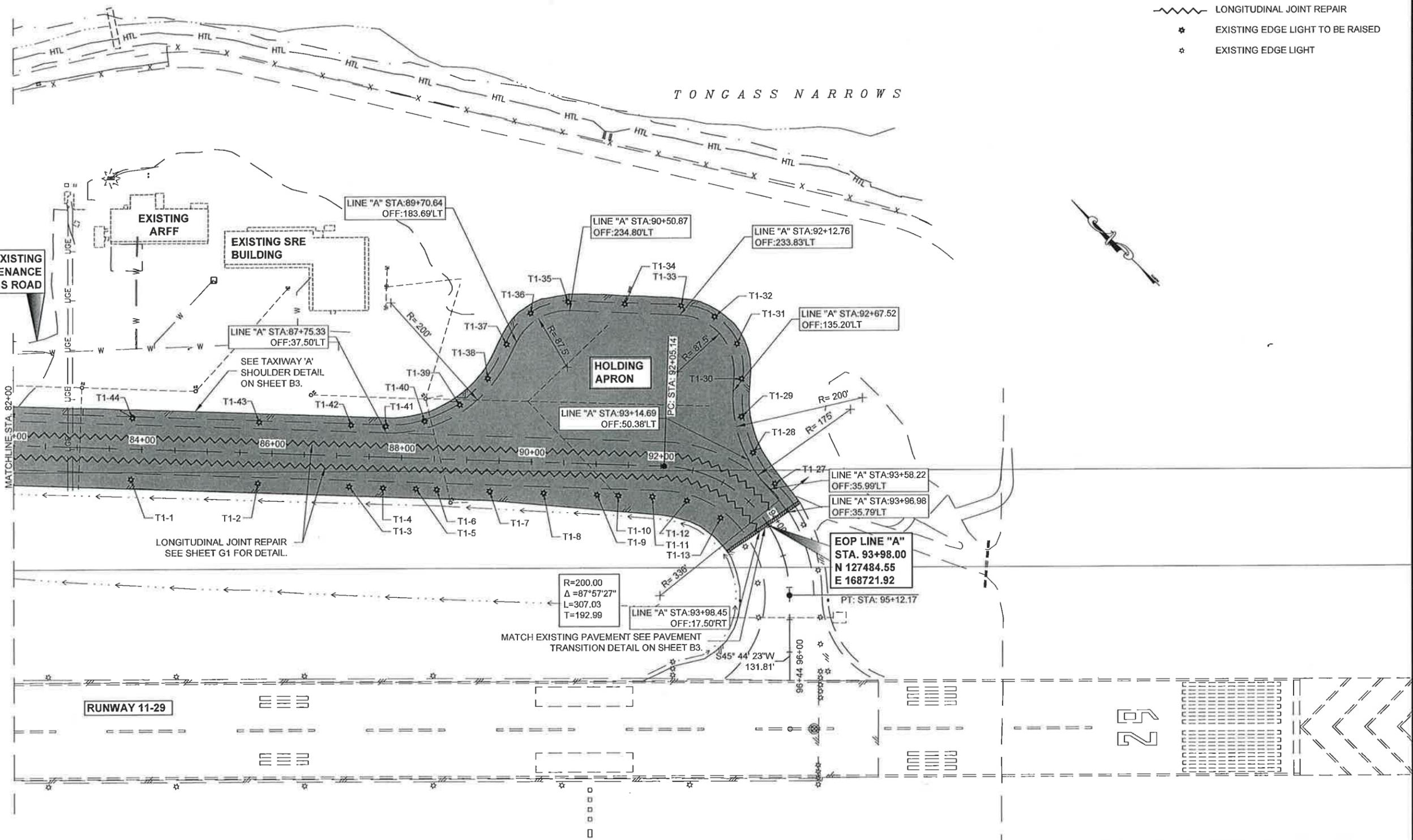
CHECKED BY: STAFF

11-15-13

DESIGNED BY: L. SEIFERT
DRAWN BY: R. GRANTHAM
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946

TAXIWAY 'A', GA APRON & TAXIWAY 'C' PLAN VIEW

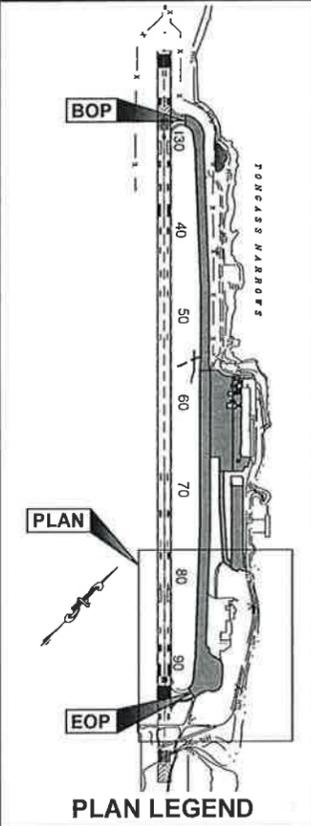
PROJECT DESIGNATION	
AIP No. 3-02-0144-022-2013	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F3	34



- GENERAL LEGEND:**
- ASPHALT CONCRETE PAVEMENT
 - LONGITUDINAL JOINT REPAIR
 - EXISTING EDGE LIGHT TO BE RAISED
 - EXISTING EDGE LIGHT

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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: STAFF

11-15-13

DESIGNED BY: L. SEIFERT
DRAWN BY: R. GRANTHAM

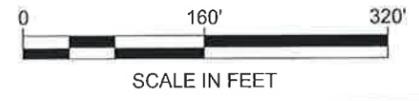
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

KTN - AIRPORT TAXIWAY AND
APRON REHABILITATION
PROJECT #67946

**TAXIWAY 'A' &
HOLDING APRON
PLAN VIEW**

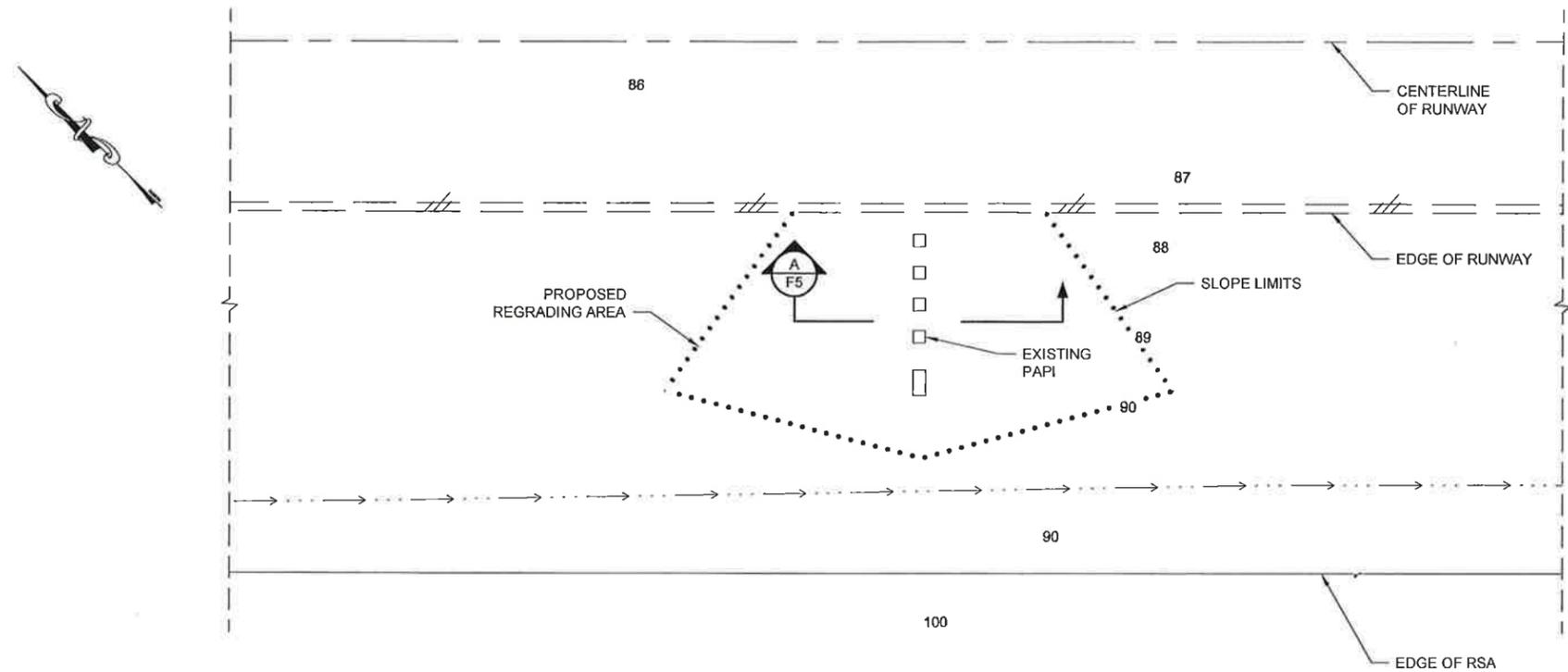
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AIP No. 3-02-0144-022-2013	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F4	34

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE MB Date 2/9/15

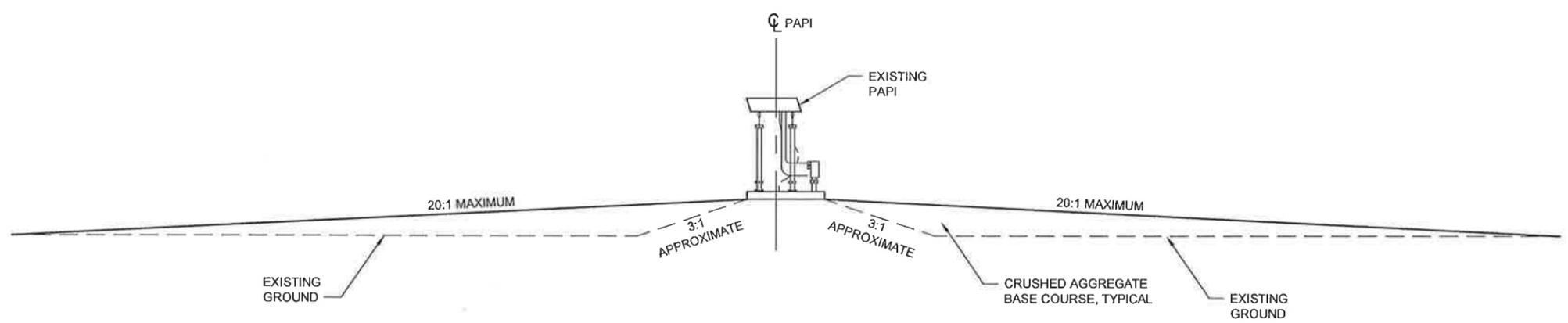


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

RUNWAY 11-29



PLAN
NTS



SECTION A-A
NTS

- NOTES:**
1. DEVELOP TOPOGRAPHY FOR PAPI AREA AND SUBMIT GRADING PLAN TO PROJECT ENGINEER FOR APPROVAL.
 2. HORIZONTAL AND VERTICAL LAYOUT SHOWN IS FOR RUNWAY 29. HORIZONTAL AND VERTICAL LAYOUT FOR RUNWAY 11 IS AN APPROXIMATE MIRROR IMAGE OF THE RUNWAY 29 LAYOUT.

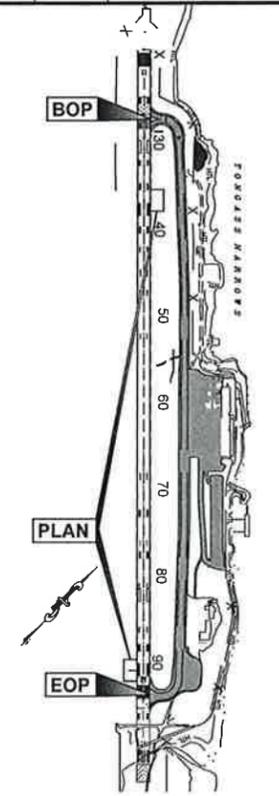
KTN AIRPORT RSA REGRADING AT PAPI INSTALLATION

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE MB Date 2/9/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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 BENNETT, BERT W (DOT)
 TAB: F5 Thursday, December 05, 2013 9:26:49 A

ADDENDUM NUMBER	
1	
ATTACHMENT NUMBER	
3	
RECORD OF REVISIONS	
No.	DATE DESCRIPTION



PLAN LEGEND

CHECKED BY: STAFF

12/5/13

DESIGNED BY: L. SEIFERT
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

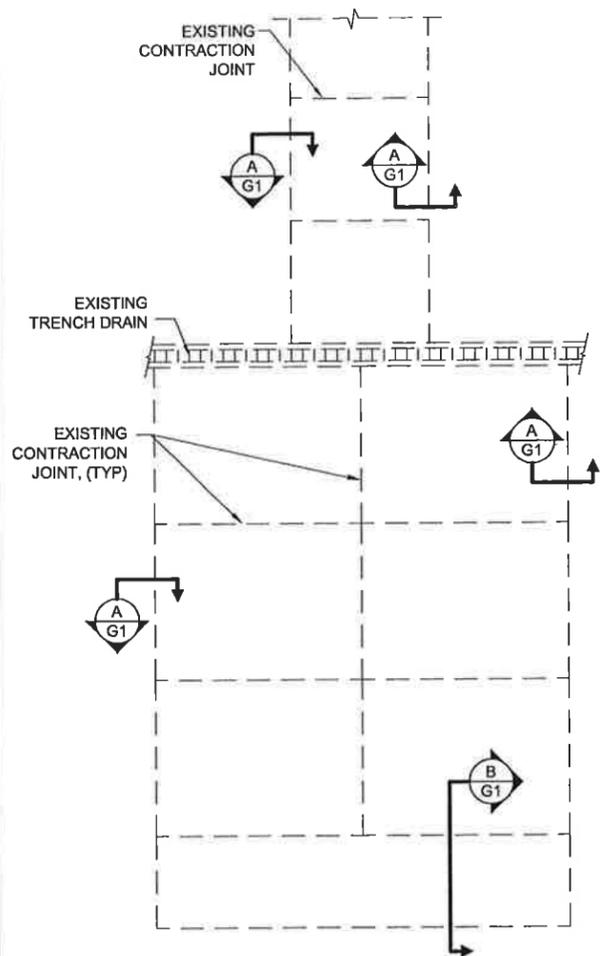
KTN - AIRPORT TAXIWAY AND
 APRON REHABILITATION
 PROJECT #67946

PAPI REGRADING

PROJECT DESIGNATION

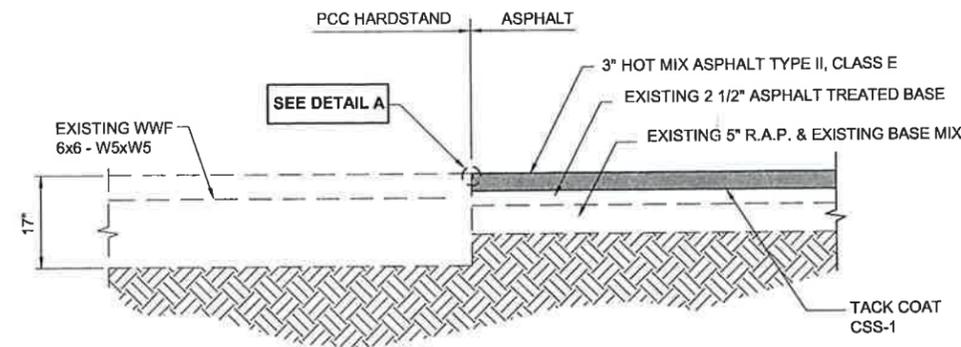
AIP No. 3-02-0144-022-2013

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F5	34

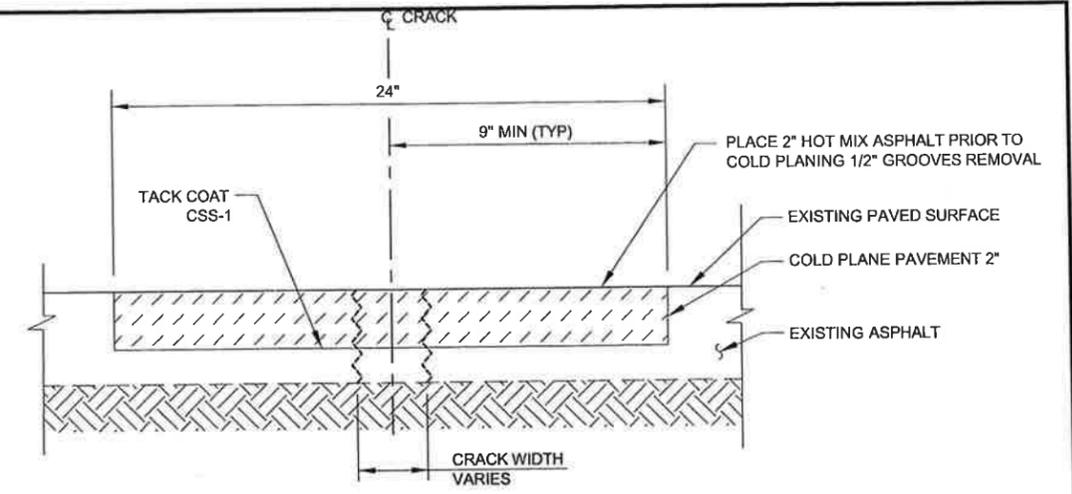


**EXISTING CONCRETE JET
HARDSTANDS**

PLAN VIEW

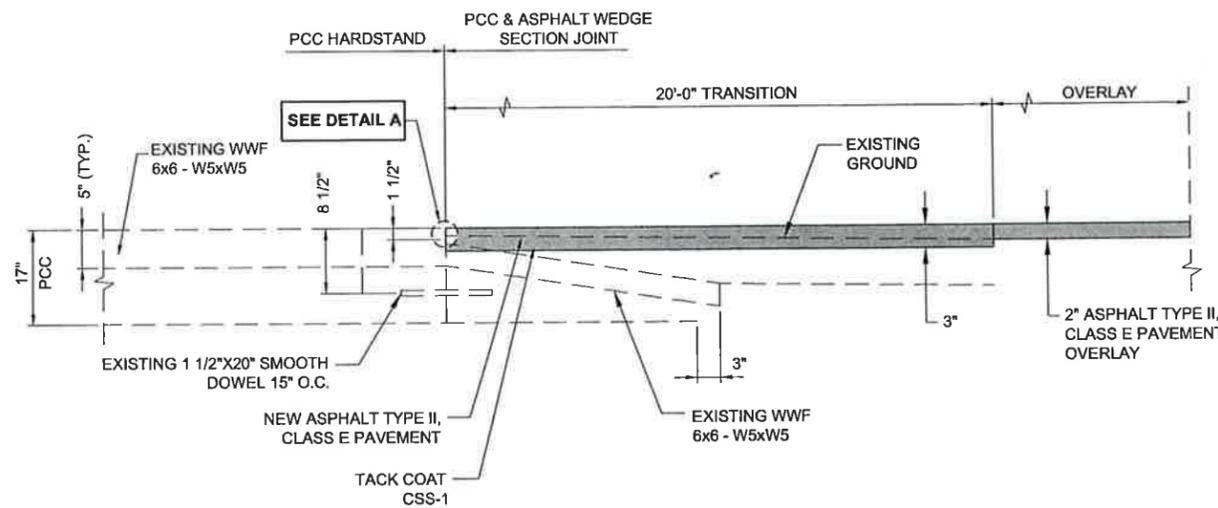


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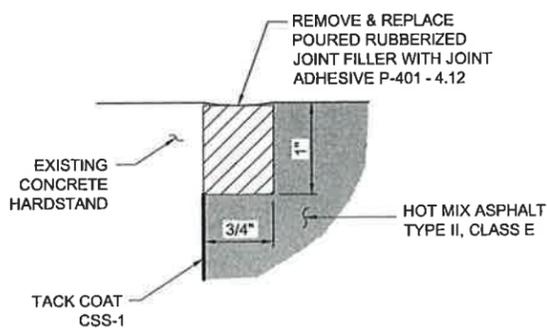


LONGITUDINAL JOINT REPAIR DETAIL

NTS

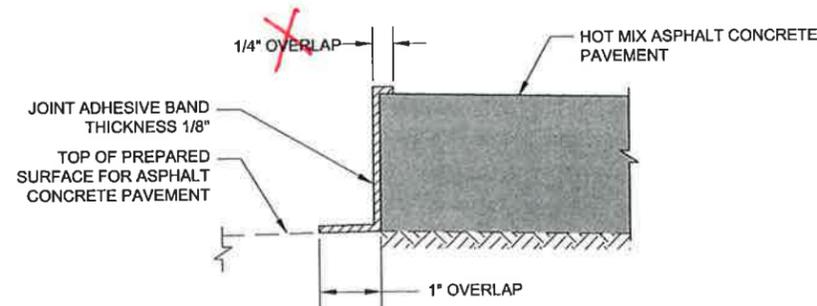


B



DETAIL 'A'

NTS



JOINT ADHESIVE APPLICATION DETAIL

NTS

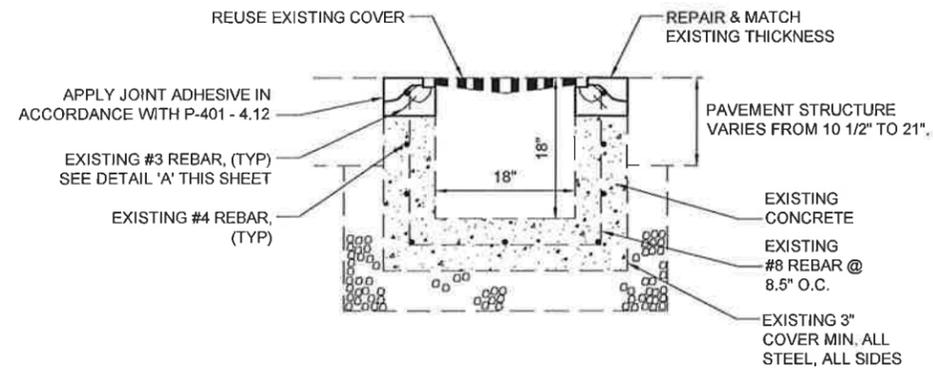
NOTES:

1. COMPLY WITH MANUFACTURERS APPLICATION INSTRUCTIONS.
2. APPLY JOINT ADHESIVE TO COMPLETELY COVER JOINT AS SHOWN.
3. DO NOT PAVE UNTIL JOINT ADHESIVE HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

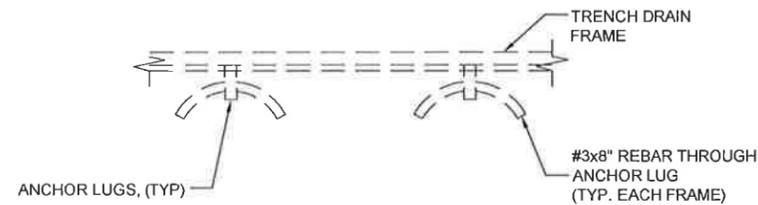
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE NB Date 2/9/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: STAFF 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946	
DESIGNED BY: L. SEIFERT DRAWN BY: R. GRANTHAM & B. BENNETT		MISCELLANEOUS DETAILS	
PATH: Q:\KTN\67946\PLANSET\3D 2013\ALT 1\67946_G1-G2_MISC DET.DWG TAB: G1 Wednesday, November 06, 2013 1:38:30 PM GRANTHAM, RICK L (DOT)			
PROJECT DESIGNATION AIP No. 3-02-0144-022-2013		YEAR 2013	SHEET NO. G1
REVISIONS NO. DATE DESCRIPTION		TOTAL SHEETS 34	



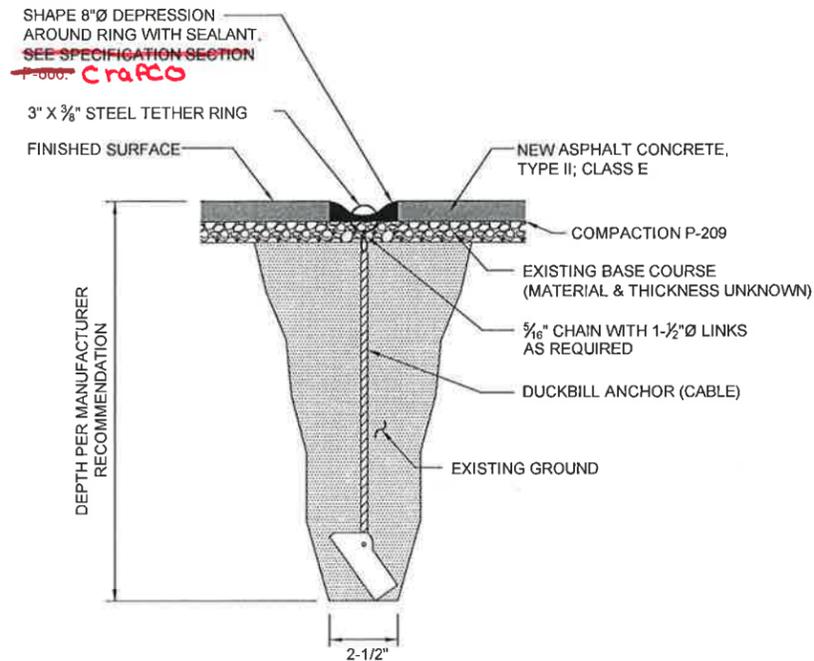
TRENCH DRAIN REPAIR DETAIL
NTS



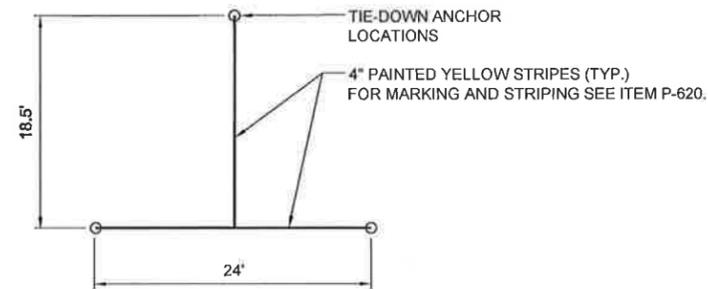
DETAIL 'A'
ANCHOR LUGS SIDEVIEW

TRENCH DRAIN REPAIR NOTES:

1. REMOVE LOOSE AND DETERIORATED CONCRETE. ROUGHEN SOUND CONCRETE TO 1/4" MINIMUM PEAK TO VALLEY. REMOVE EXISTING CONCRETE TO PROVIDE A GRADUALLY VARIED REPAIR DEPTH.
2. REMOVE LOOSE OR DETERIORATED CONCRETE FROM EXPOSED REINFORCING BAR CIRCUMFERENCE FOR A MINIMUM CLEAR DISTANCE OF 3/4". DO NOT DAMAGE EXISTING REINFORCING BARS.
3. ABRASIVE BLAST CLEAN EXPOSED REINFORCING BARS AND SOUND CONCRETE SURFACES PRIOR TO PLACEMENT OF CONCRETE.
4. ALL EXISTING REINFORCING BARS TO REMAIN IN PLACE. NOTIFY THE ENGINEER OF ANY DAMAGED, DETERIORATED OR MISSING REINFORCING BARS. SPLICE IN NEW REINFORCING BARS AS DIRECTED.



TIE-DOWN ANCHOR DETAIL
NTS



TIE-DOWN LAYOUT DETAIL
NTS

TIE-DOWN ANCHOR NOTES:

1. DEPTH OF ANCHOR SHALL BE AS REQUIRED TO DEVELOP 3000 LBS. OF PULL-OUT STRENGTH PER ANCHOR.
2. ALL STEEL RINGS SHALL BE ASTM A-36, 40,000 P.S.I. MINIMUM YIELD STRENGTH.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF EXISTING TIEDOWN ANCHORS. SEE ITEM P-165 OF THE SPECIAL PROVISIONS FOR FURTHER DESCRIPTION.
4. SEE H SHEETS FOR STRIPING PLAN.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE MB Date 2/9/15

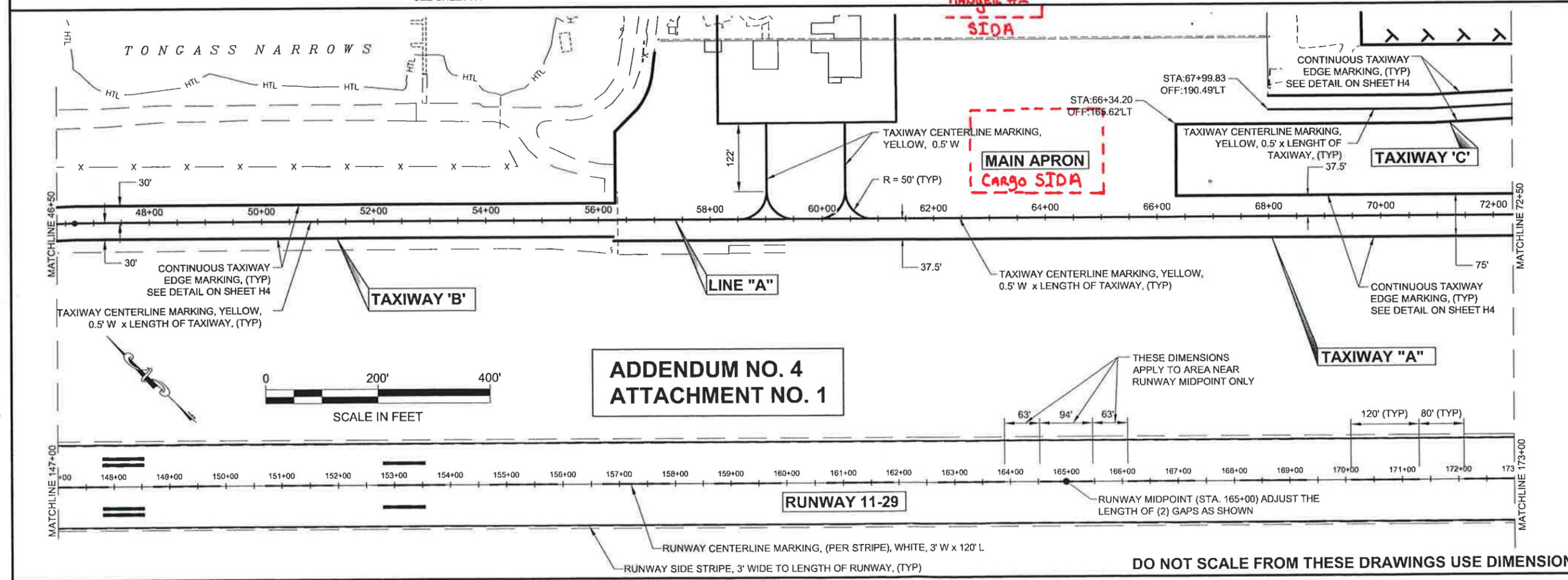
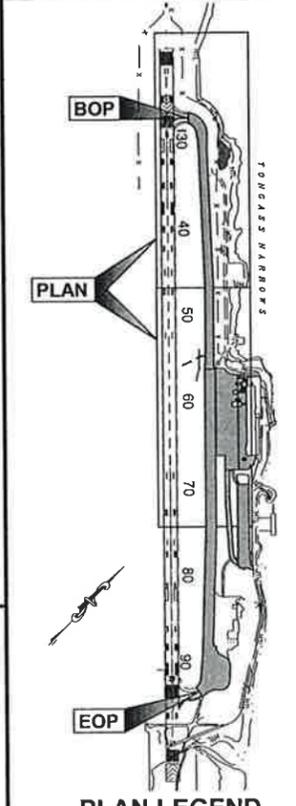
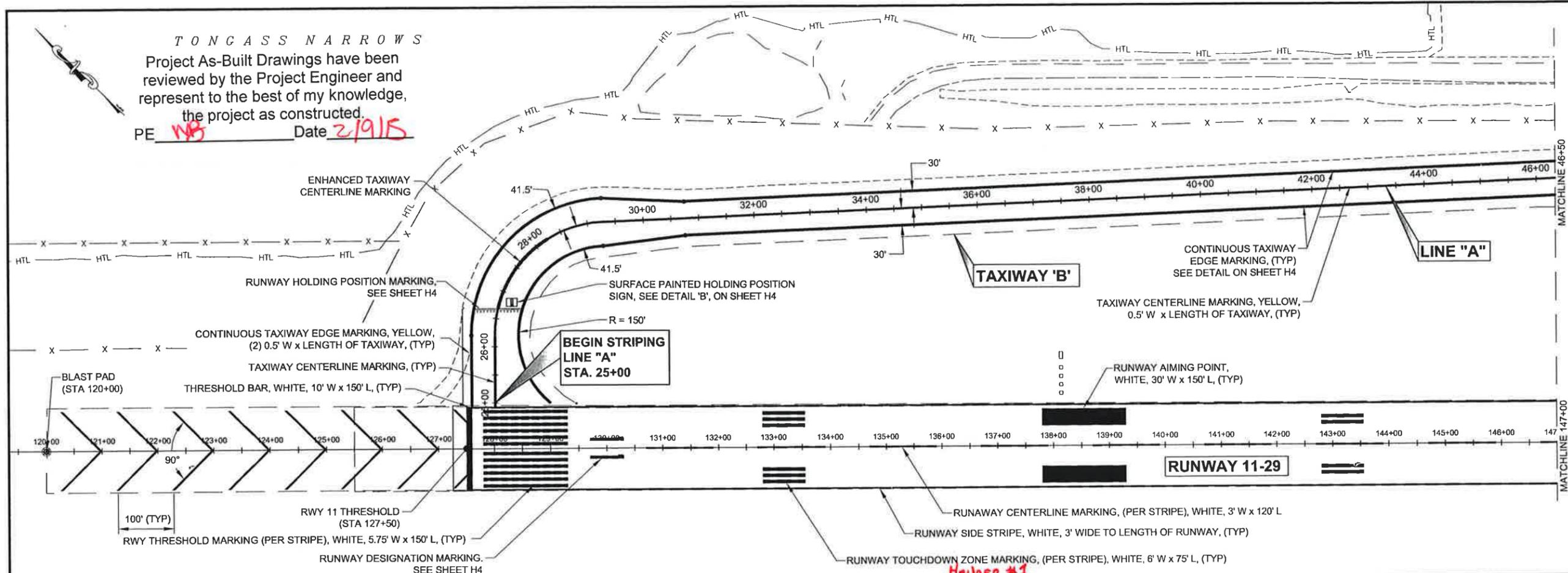
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: STAFF 12/9/13 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946	
MISCELLANEOUS DETAILS			
DESIGNED BY: L. SEIFERT DRAWN BY: R. GRANTHAM & B. BENNETT		PROJECT DESIGNATION: BENNETT, BERT W (DOT)	
PATH: Q:\KTN\67946\PLANS\SET1\3D 2013\ALT 1\67946_G1-G2_MISC-ALT DET.DWG TAB: G2 Monday, December 09, 2013 4:05:51 PM			
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AIP No. 3-02-0144-022-2013		TOTAL SHEETS 34	

TONGASS NARROWS
 Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE 145 Date 2/9/15

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ADDENDUM NUMBER	4	
ATTACHMENT NUMBER	1	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: STAFF

DESIGNED BY: L. SEIFERT
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

KTN - AIRPORT TAXIWAY AND
 APRON REHABILITATION
 PROJECT #67946

FY14 VARIOUS AIRPORTS SURFACE
 PRESERVATION MAINTENANCE
 PROJECT #68016

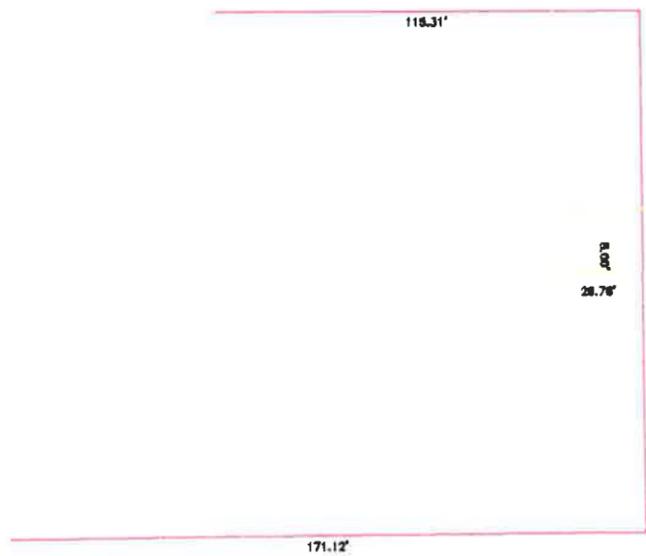
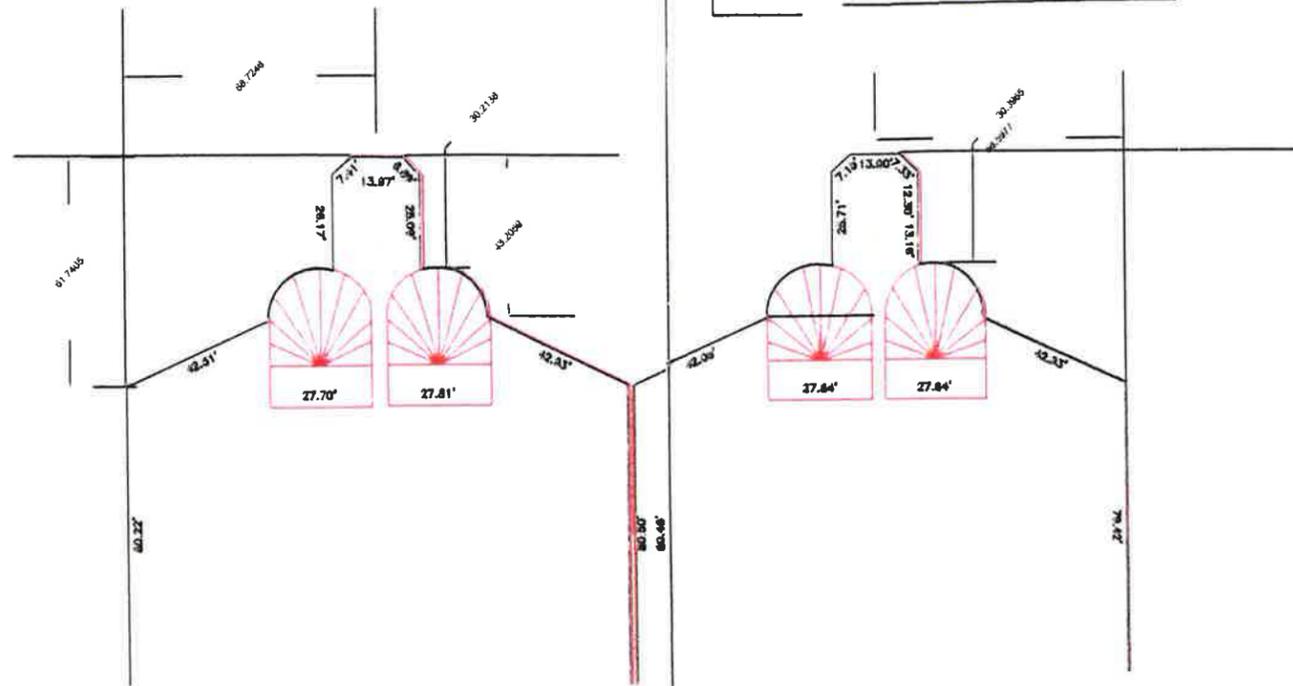
STRIPING PLAN

PROJECT DESIGNATION
AIP No. 3-02-0144-022-2013
AIP No. 3-02-0200-093-2013

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H1	34

Jetway "A"

Jetway "B"

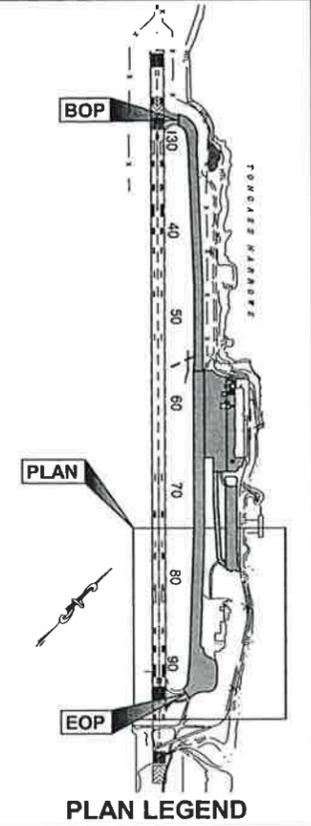
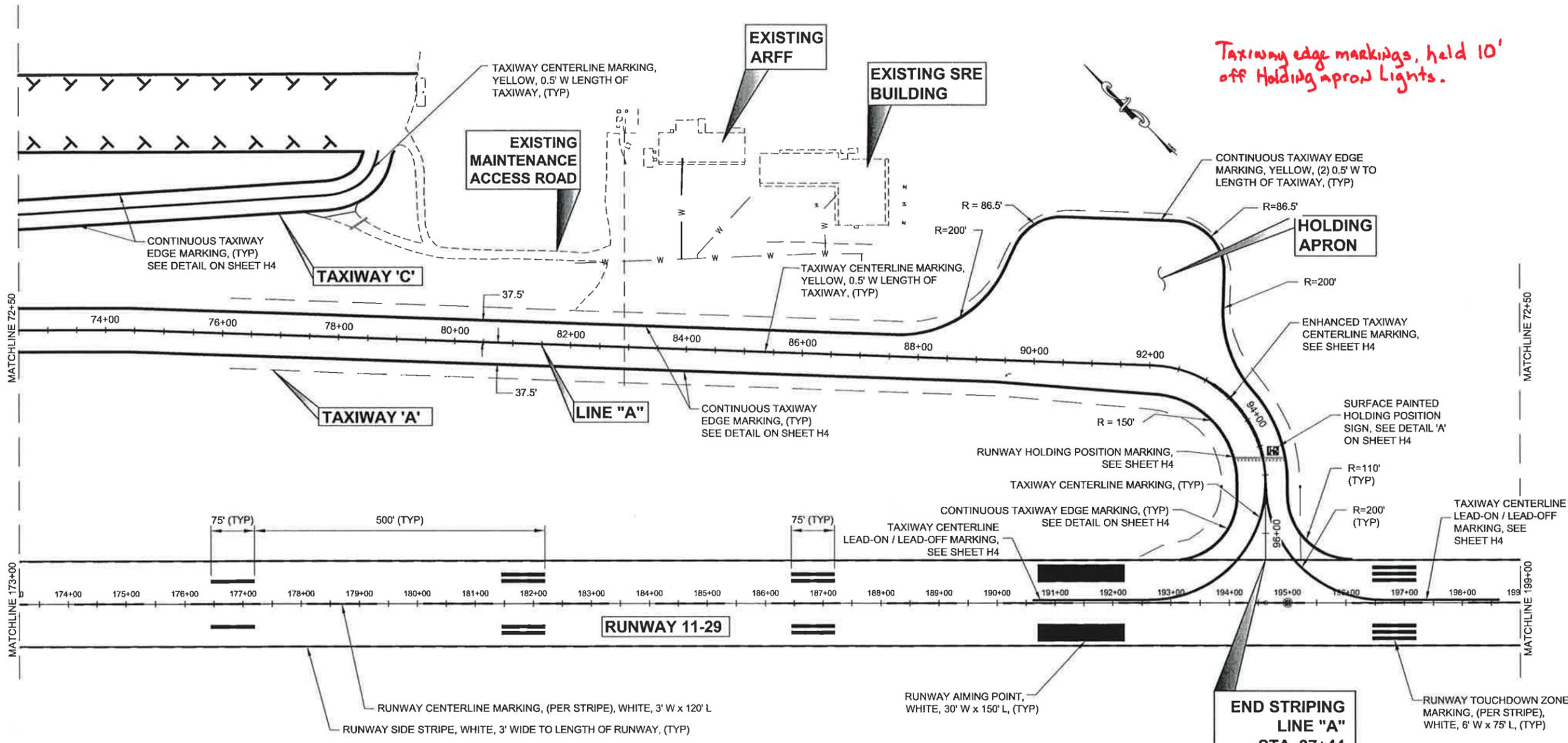


DRAWN	DATE	KETCHIKAN A.P.
S. McCard	4/30/14	SIDA AREA
APPROVED	DATE	STRIPING ASBUILTS
		DETAIL
SCALE	SHEET	PROJECT NO.

DRAWN	DATE	KETCHIKAN A.P.
S. McCard	4/30/14	SIDA AREA
APPROVED	DATE	STRIPING ASBUILTS
		DETAIL
SCALE	SHEET	PROJECT NO.
1" = 30'	2 of 2	87946

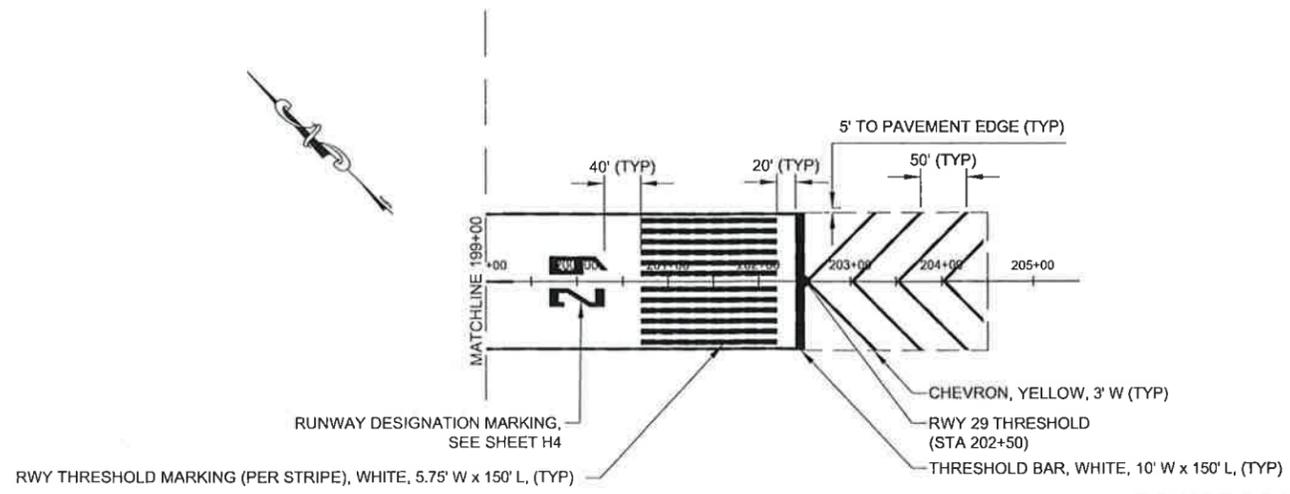
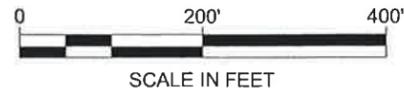
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE MB Date 2/9/15

ADDENDUM NUMBER	4	
ATTACHMENT NUMBER	2	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



GENERAL NOTES:

1. ALL PAINT QUANTITY ESTIMATES PROVIDED IN THIS DRAWING SET ARE BASED ON PREVIOUS DESIGN DRAWINGS AND STANDARDS FROM FAA ADVISORY CIRCULAR 150/5340-1L, STANDARDS FOR AIRPORT MARKINGS. IF THE EXISTING MARKINGS DO NOT MATCH THE DIMENSIONS GIVEN IN THIS PLANSET, THIS PLANSET SHALL HOLD PRECEDENCE.
2. SPACING BETWEEN THRESHOLD MARKINGS IS 5.75', EXCEPT SPACING AT RUNWAY CENTERLINE IS 11.5' AND SPACING BETWEEN RUNWAY SIDE STRIPING IS 3'.



**END STRIPING
 LINE "A"
 STA. 97+44**

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *MB* Date *2/9/15*

**ADDENDUM NO. 4
 ATTACHMENT NO. 2**

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: STAFF

12/12/13

DESIGNED BY: L. SEIFERT
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

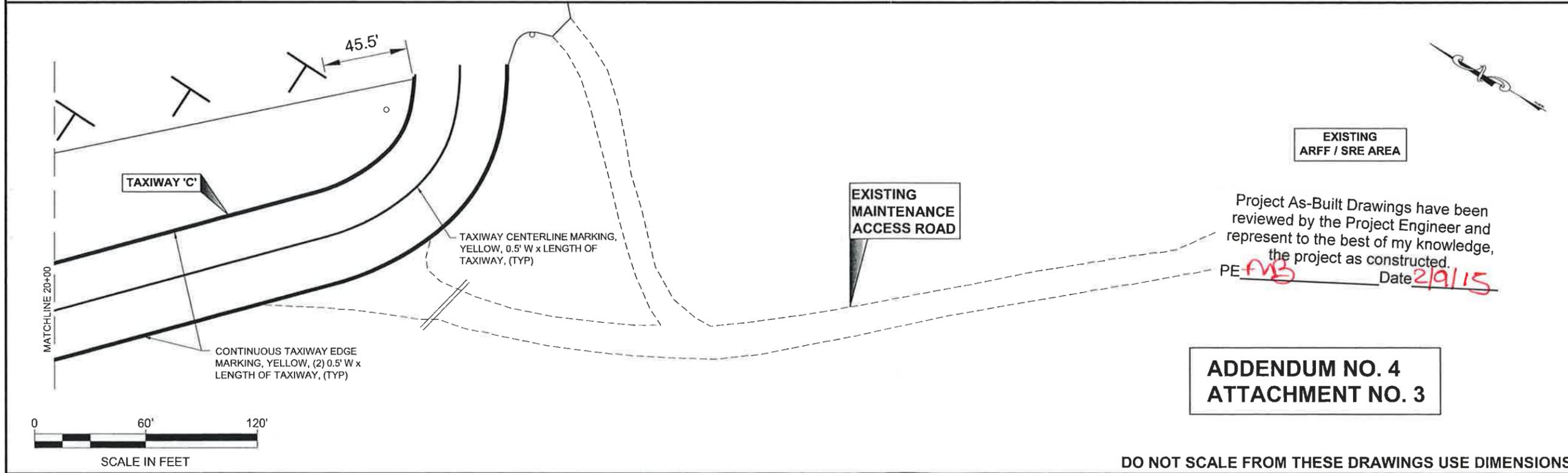
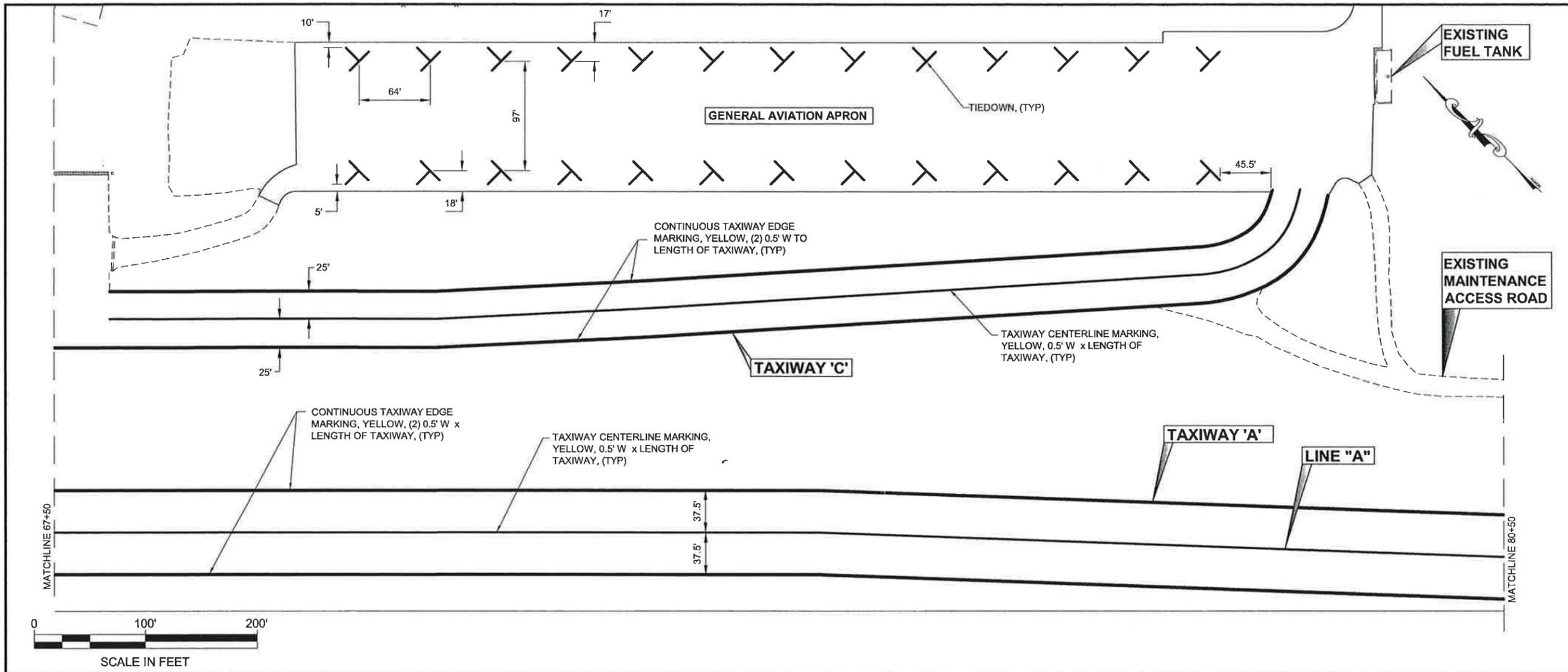
KTN - AIRPORT TAXIWAY AND
 APRON REHABILITATION
 PROJECT #67946

FY14 VARIOUS AIRPORTS SURFACE
 PRESERVATION MAINTENANCE
 PROJECT #68016

STRIPING PLAN

PROJECT DESIGNATION
 AIP No. 3-02-0144-022-2013
 AIP No. 3-02-0200-093-2013

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H2	34



**ADDENDUM NO. 4
ATTACHMENT NO. 3**

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
Q:\KTN\67946\PLANS\SET3D 2013\ALT
1167946_H3 STRIPING PLAN.DWG
SEIFERT, LOLITA T (DOT)
TAB: H3 Thursday, December 12, 2013 11:31:25 A

ADDENDUM NUMBER	4	
ATTACHMENT NUMBER	3	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: STAFF

DESIGNED BY: L. SEIFERT
DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

KTN - AIRPORT TAXIWAY AND
APRON REHABILITATION
PROJECT #67946

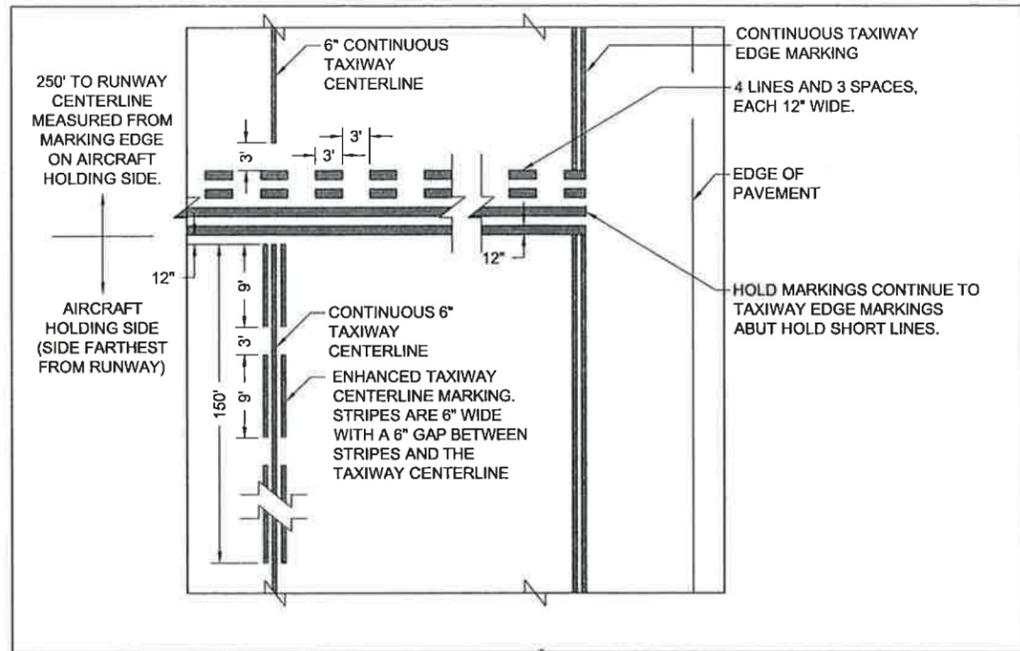
FY14 VARIOUS AIRPORTS SURFACE
PRESERVATION MAINTENANCE
PROJECT #68016

STRIPING PLAN

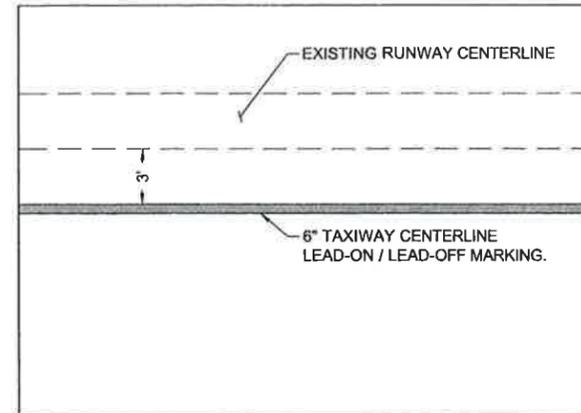
PROJECT DESIGNATION
AIP No. 3-02-0144-022-2013
AIP No. 3-02-0200-093-2013

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H3	34

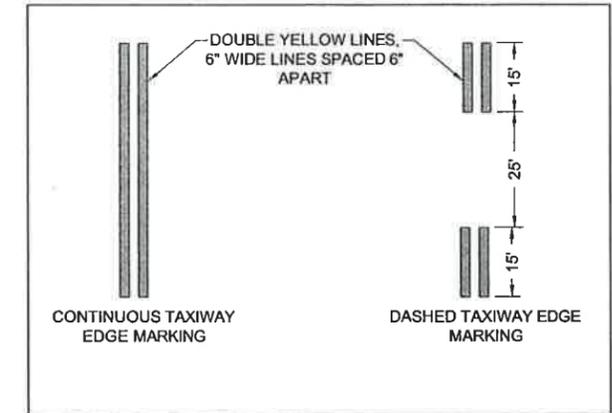
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *FMS* Date *2/9/15*



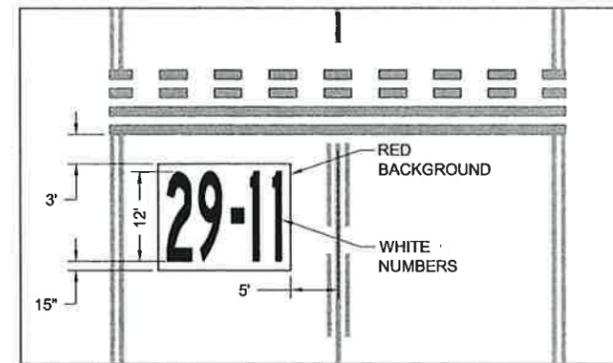
ENHANCED RUNWAY HOLDING POSITION MARKING WITH ENHANCED TAXIWAY CENTERLINE MARKING



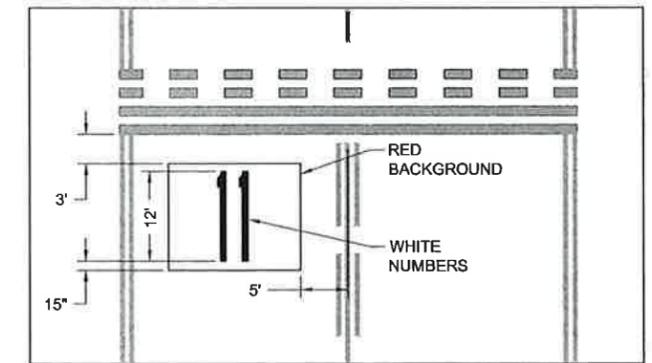
TAXIWAY CENTERLINE LEAD-ON / LEAD-OFF DETAIL



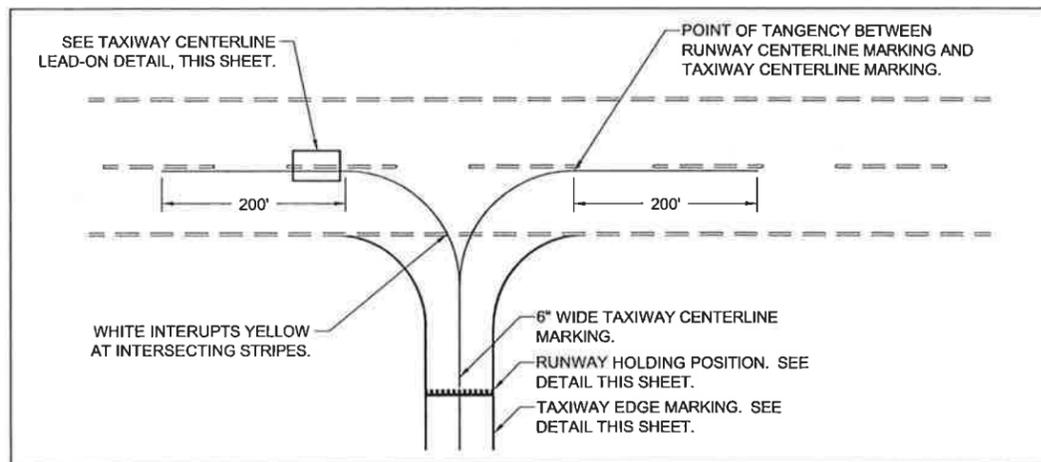
TAXIWAY EDGE MARKING



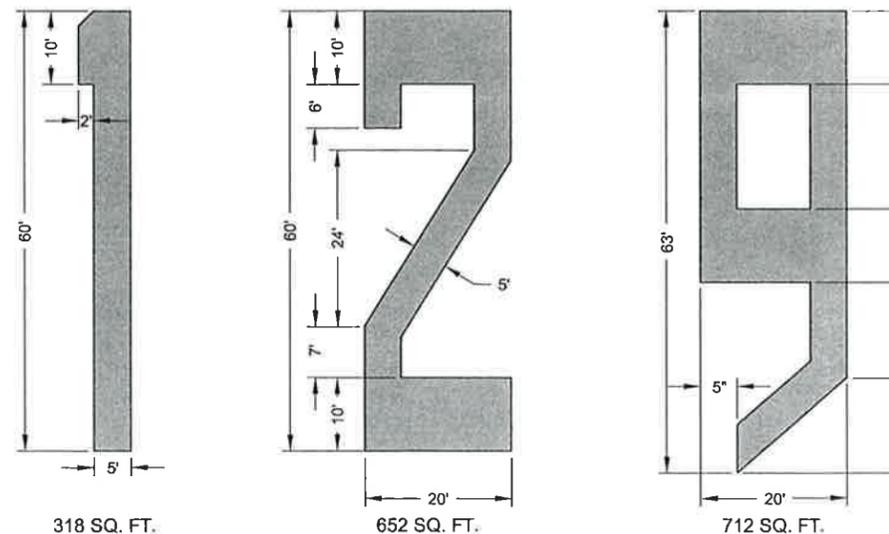
DETAIL 'A'



DETAIL 'B'



TAXIWAY MARKINGS - HOLDING POSITION, CENTERLINE, LEAD-ON, AND EDGE



RUNWAY DESIGNATION NUMERAL DETAILS

ADDENDUM NO. 4 ATTACHMENT NO. 4

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: STAFF

DESIGNED BY: L. SEIFERT

DRAWN BY: R. GRANTHAM

PATH: Q:\KTN\67946\PLANSET\3D 2013\ALT 1167946_H4 STRIPING DETAILS.DWG

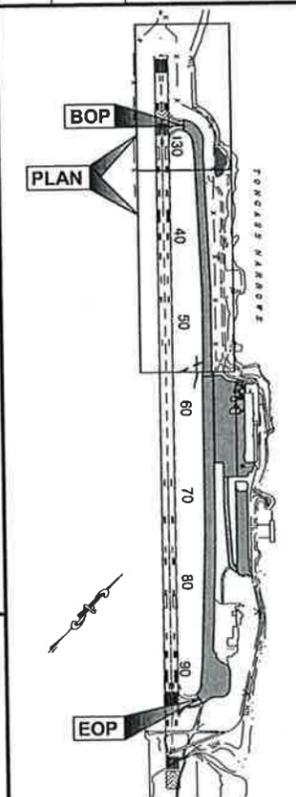
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946
FY14 VARIOUS AIRPORTS SURFACE PRESERVATION MAINTENANCE PROJECT #68016

STRIPING DETAILS

NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			AIP No. 3-02-0144-022-2013	2013	H4	34
			AIP No. 3-02-0200-093-2013			

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *MB* Date *2/9/15*



PLAN LEGEND

CHECKED BY: STAFF

DESIGNED BY: L. SEIFERT

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

KTN - AIRPORT TAXIWAY AND
APRON REHABILITATION
PROJECT #67946

**TAXIWAY 'B'
ESCP**

PROJECT DESIGNATION

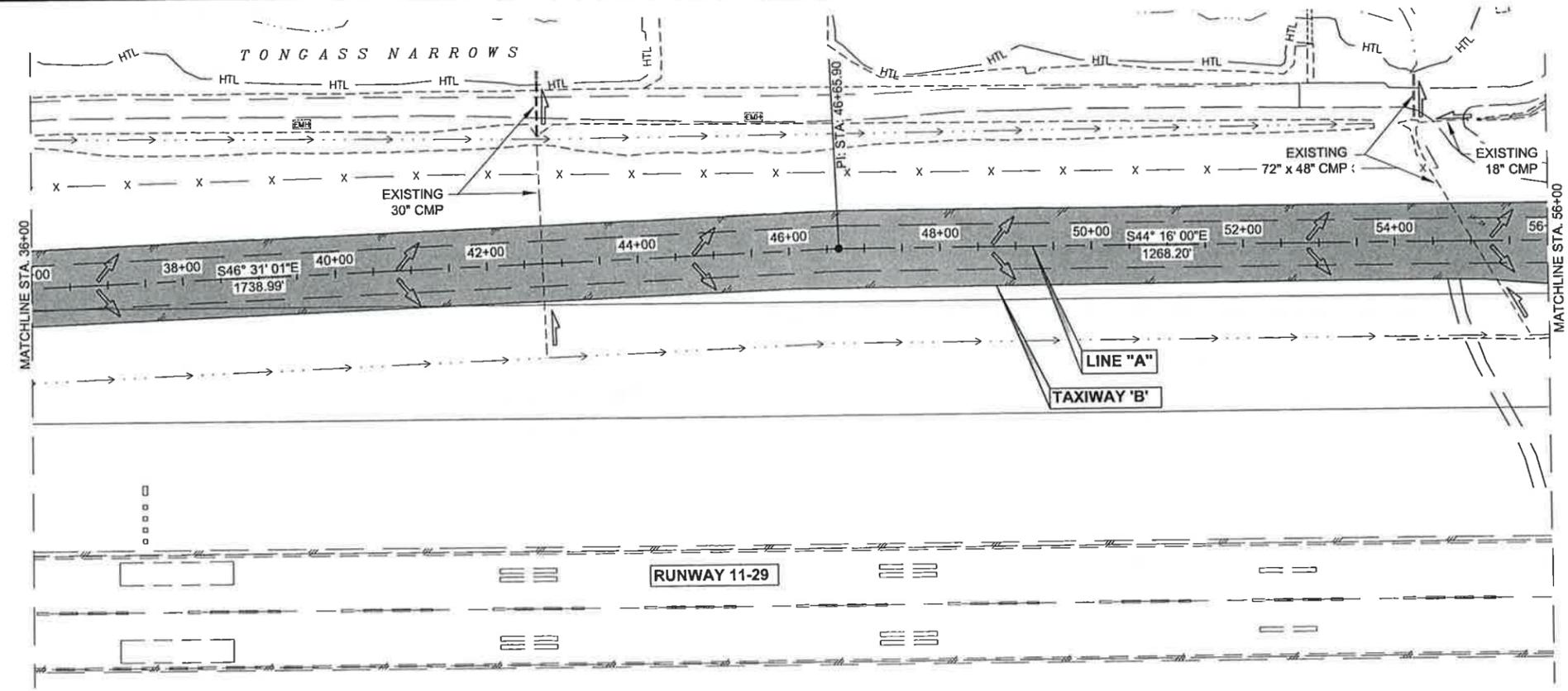
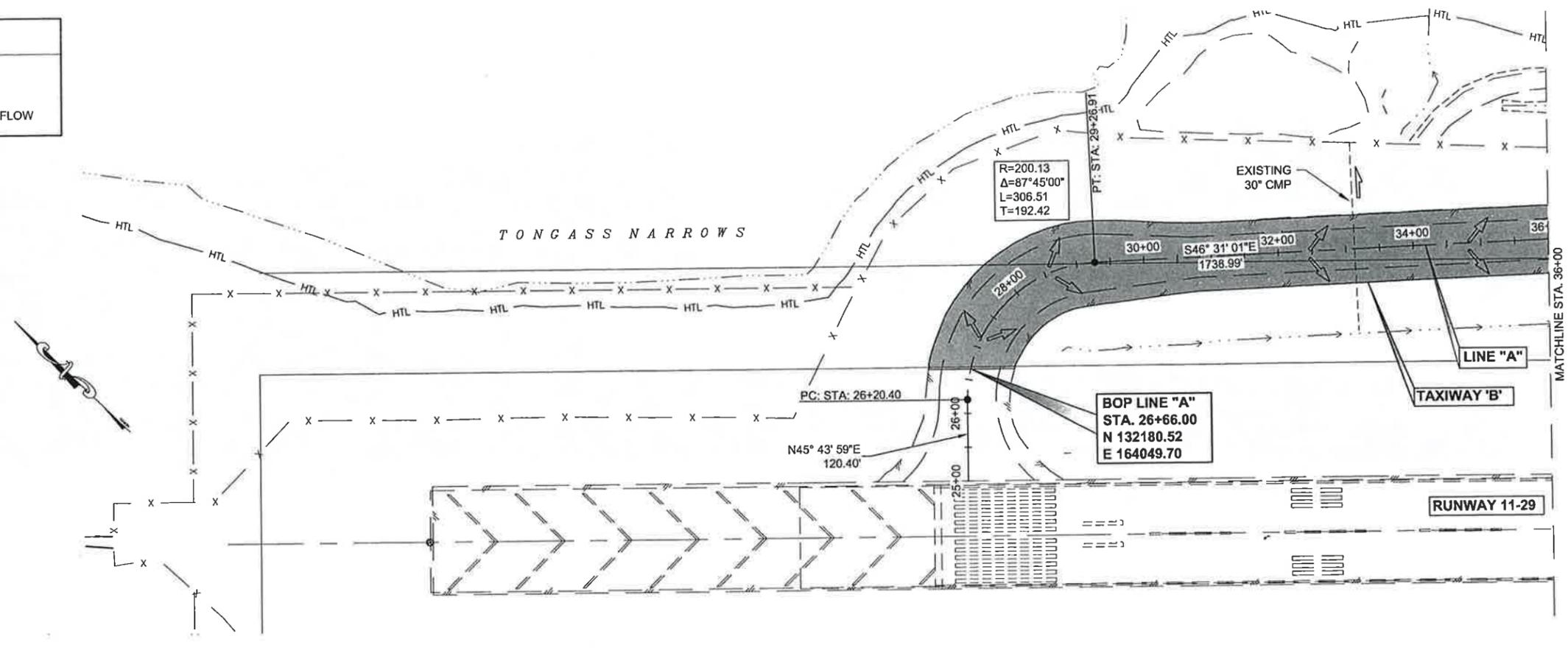
AIP No. 3-02-0144-022-2013

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
P1	34

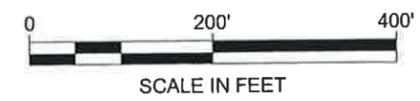
LEGEND

- ➔ PROFILE FLOW
- ➔ SURFACE FLOW
- ➔ EXISTING CULVERT FLOW

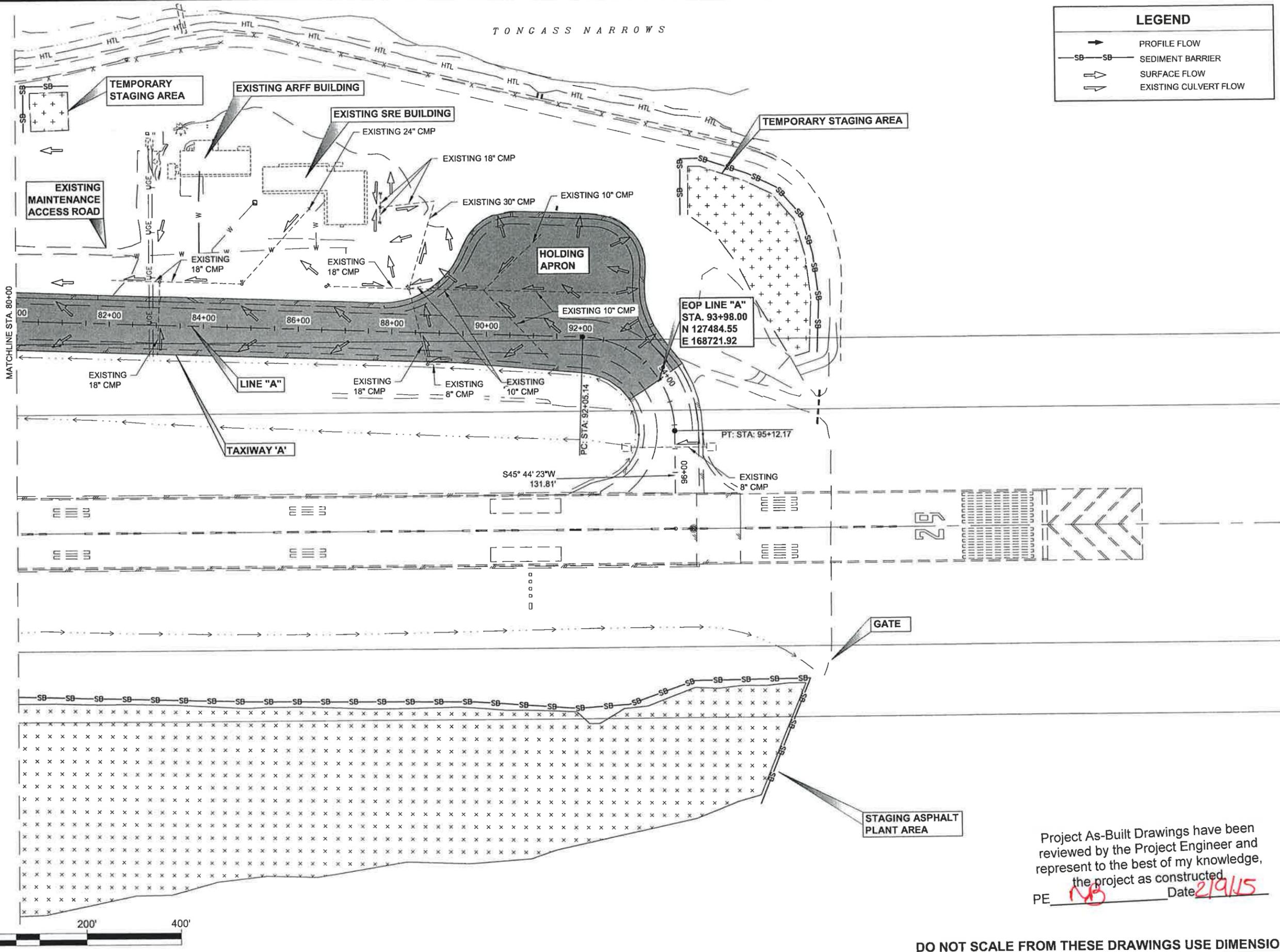


Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

PE *MR* Date *2/9/15*



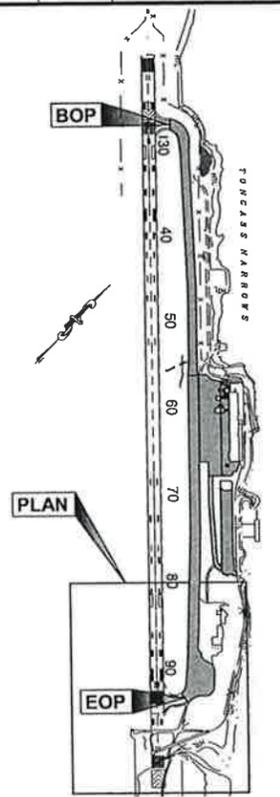
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



LEGEND	
	PROFILE FLOW
	SEDIMENT BARRIER
	SURFACE FLOW
	EXISTING CULVERT FLOW

PATH:
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 GRANTHAM, RICK L (DOT)
 TAB: P3 Wednesday, November 06, 2013 1:41:08

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: STAFF

DESIGNED BY: L. SEIFERT
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

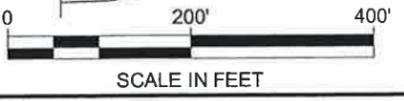
KTN - AIRPORT TAXIWAY AND
 APRON REHABILITATION
 PROJECT #67946

**TAXIWAY 'A'
 ESCP**

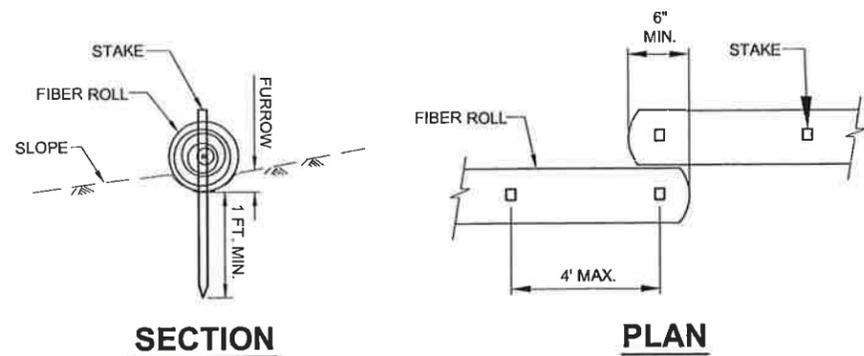
PROJECT DESIGNATION
AIP No. 3-02-0144-022-2013

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P3	34

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE NO Date 2/19/15



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

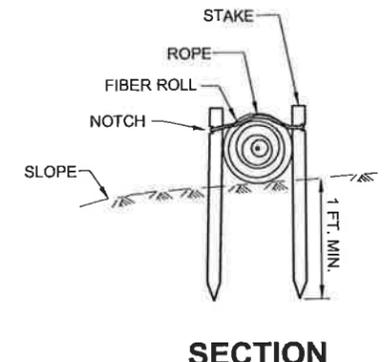


SECTION

PLAN

FIBER ROLL (TYPE 1)

N.T.S.

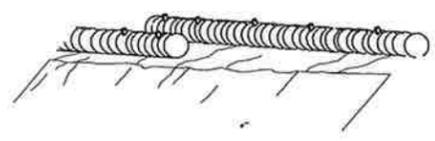


SECTION

PLAN

FIBER ROLL (TYPE 2)

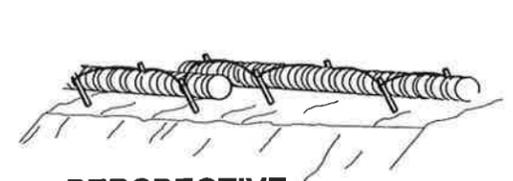
N.T.S.



PERSPECTIVE

FIBER ROLL (TYPE 1)

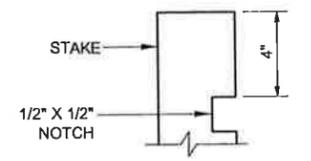
N.T.S.



PERSPECTIVE

FIBER ROLL (TYPE 2)

N.T.S.



STAKE TYPE 2

TYPICAL FIBER ROLL DETAIL

N.T.S.

FIBER ROLL NOTES:

1. THE LOCATION AND LENGTH OF FIBER ROLLS IS DEPENDENT ON THE CONDITION OF THE SITE.
2. LAP ADJACENT FIBER ROLLS TO PREVENT SEDIMENT BYPASS.
3. ANCHOR AS NECESSARY TO FIRMLY SECURE FIBER ROLLS AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.

GENERAL NOTES FOR EROSION & SEDIMENT CONTROL:

1. REFER TO APPENDIX B OF THE SPECIAL PROVISIONS FOR THE ENVIRONMENTAL COMMITMENTS.
2. EROSION CONTROL MEASURES WILL BE EVALUATED BY THE ENGINEER BASED ON EFFECTIVENESS. THOSE FOUND INEFFECTIVE MUST BE REPLACED OR REPAIRED WITHIN 24 HOURS FOLLOWING NOTIFICATION.
3. THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION P-157 OF THE SPECS.
4. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING EARTH DISTURBING ACTIVITIES OR AS SPECIFIED ELSEWHERE.
5. MAINTAIN DEVICES. MONITOR DAILY. REMOVE SEDIMENT FROM SEDIMENT TRAPS WHEN 4" OF SEDIMENT HAS ACCUMULATED.

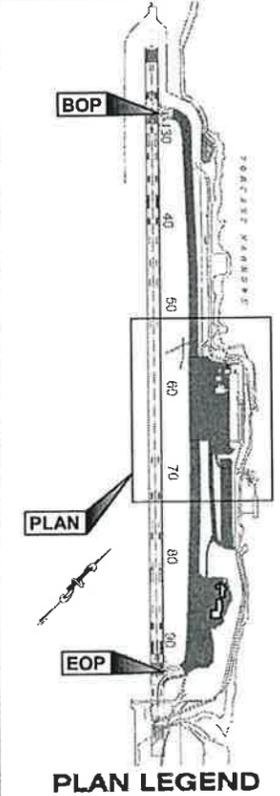
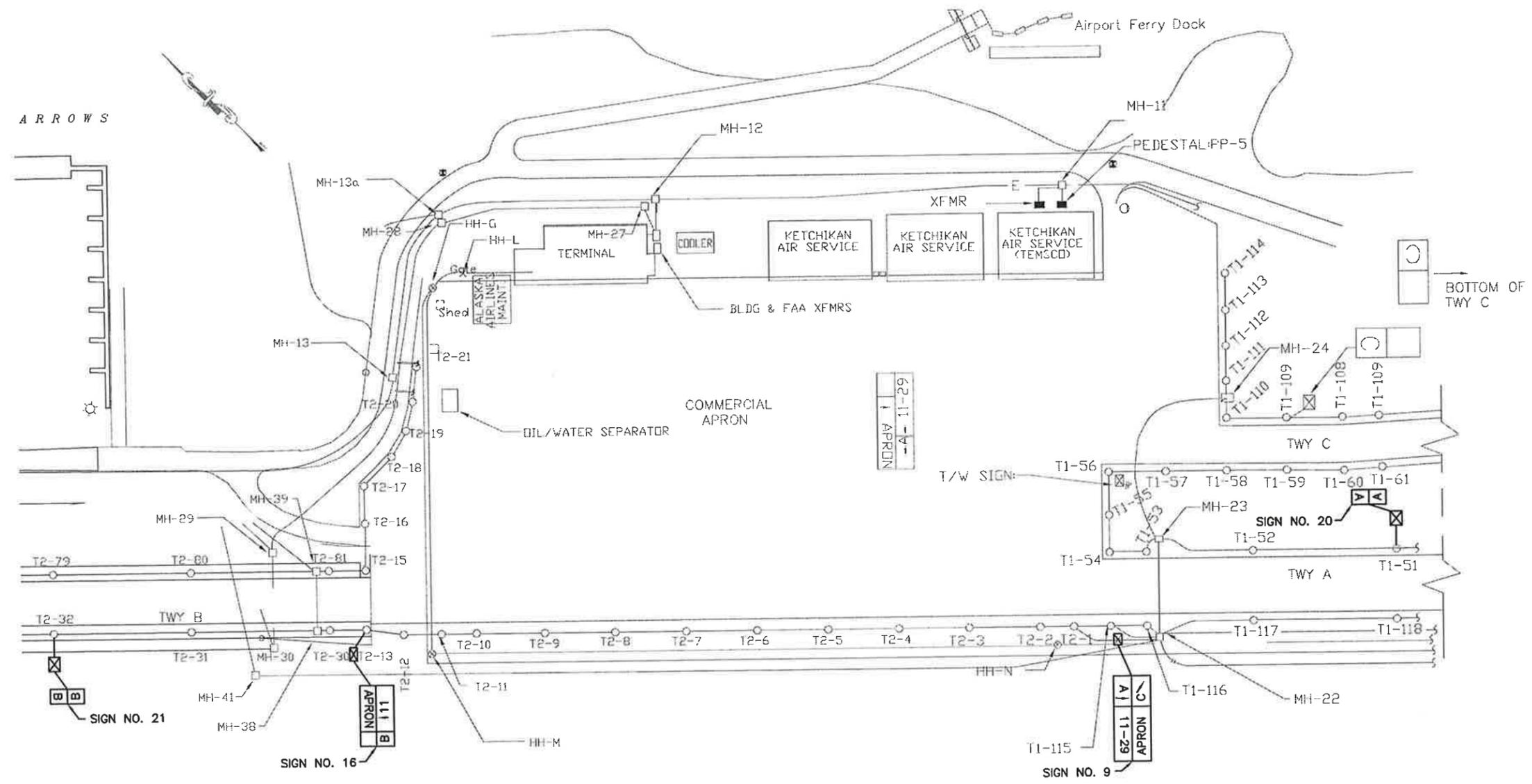
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE MB Date 2/9/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: STAFF		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION			
DESIGNED BY: L. SEIFERT		KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946			
DRAWN BY: R. GRANTHAM					
PATH: Q:\KTN\67946\PLANS\SET1\3D 2013\ALT 1167946_P4_ESCP.DWG		EROSION & SEDIMENT CONTROL DETAILS			
TAB: P4 Wednesday, November 06, 2013 1:41:20 PM GRANTHAM, RICK L (DOT)					
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	AIP No. 3-02-0144-022-2013	2013	P4 34

PATH:
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TAXIWAY LOCATION UPGRADES1.
WORKING DRAWINGS\1.DWG
TAB:

APPENDIX NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



- NOTES:
1. PROVIDE NEW LEGEND FACES ON ONE SIDE OF SIGN NO. 9 AND SIGN NO. 16. SEE TAXIWAY SIGN SCHEDULES, SHEET U2.
 2. PROVIDE NEW SIGN NO. 20 AND SIGN NO. 21. SEE NEW TAXIWAY SIGN SCHEDULE, SHEET U2. FEED NEW SIGNS FROM ADJACENT TAXIWAY LIGHTS. SEE DETAILS, SHEETS U3 AND U4.

① NEW LIGHTING & POWER - APRON

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *MB* Date *2/9/15*

CHECKED BY: MGM

DESIGNED BY: MGM
DRAWN BY: MLK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

KTN - AIRPORT TAXIWAY AND
APRON REHABILITATION
PROJECT #67946

NEW LIGHTING & POWER - APRON

PROJECT DESIGNATION
67946

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
U1	34

PATH:
Y:\182 STATE OF ALASKA KETCHIKAN
TAXIWAY LOCATION UPGRADES\1,
WORKING DRAWINGS\TAXIWAY SIGN
SCHEDULES.DWG

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

EXISTING TAXIWAY SIGN SCHEDULE

SIGN NO.	SIZE	FACE NO.	TYPE(S)	PURPOSE	LEGEND	LEGEND COLOR	BACKGROUND COLOR	LOCATION	REMARKS
9	2	1	L-858L, Y	TAXIWAY LOCATION, DIRECTION SIGN	A 29 ↑	YELLOW, BLACK	BLACK, YELLOW	TAXIWAY A OPPOSITE T1-115	REPLACE LEGEND PANEL
		2	L-858Y, Y	INBOUND DESTINATION, DIRECTION SIGN	APRON G →	BLACK, BLACK	YELLOW, YELLOW		TO REMAIN
16	2	1	L-858Y	INBOUND DESTINATION SIGN	APRON	BLACK	YELLOW	TAXIWAY B OPPOSITE T2-13	TO REMAIN
		2	L-858L, Y	TAXIWAY LOCATION, DIRECTION SIGN	B 11 ↑	YELLOW, BLACK	BLACK, YELLOW		REPLACE LEGEND PANEL

NEW TAXIWAY SIGN SCHEDULE

SIGN NO.	SIZE	FACE NO.	TYPE(S)	PURPOSE	LEGEND	LEGEND COLOR	BACKGROUND COLOR	LOCATION	REMARKS
9	2	1	L-858Y	TAXIWAY DIRECTION SIGN	29 ↑	BLACK	YELLOW	TAXIWAY A OPPOSITE T1-15	EXISTING LEGEND PANEL IN EXISTING SIGN
		2	L-858Y	INBOUND DESTINATION SIGN	APRON	BLACK	YELLOW		EXISTING LEGEND PANEL
16	2	1	L-858Y	INBOUND DESTINATION SIGN	APRON	BLACK	YELLOW	TAXIWAY B OPPOSITE T2-13	EXISTING LEGEND PANEL IN EXISTING SIGN
		2	L-858Y	TAXIWAY DIRECTION SIGN	11 ↑	BLACK	YELLOW		NEW LEGEND PANEL
20	2	1	L-858L	TAXIWAY LOCATION SIGN	A	YELLOW	BLACK	TAXIWAY A OPPOSITE T1-51	LOCATE 20 FEET OFF EDGE OF TAXIWAY TO NEAREST EDGE OF SIGN.
		2	L-858L	TAXIWAY LOCATION SIGN	A	YELLOW	BLACK		
21	2	1	L-858L	TAXIWAY LOCATION SIGN	B	YELLOW	BLACK	TAXIWAY B OPPOSITE T2-32	LOCATE 20 FEET OFF EDGE OF TAXIWAY TO NEAREST EDGE OF SIGN.
		2	L-858L	TAXIWAY LOCATION SIGN	B	YELLOW	BLACK		

NOTE:

POWER SIGN NO. 20 AND SIGN NO. 21 FROM TAXIWAY LIGHTING CIRCUIT. REPLACE LIGHT BASE IN ADJACENT TAXIWAY LIGHT T1-51 AND T2-32 WITH A (3) HUB BASE. FEED SIGN FROM CABLES IN LIGHT BASE. PROVIDE NEW 2" C (HDPE), 2 NO. 8 5KV, TYPE C CABLE FROM LIGHT BASE TO NEW SIGN. PROVIDE ISOLATION TRANSFORMER IN L-867 BASE AT SIGN. SEE SIGN DETAILS, SHEET U3.

Used existing light caps for signs #20 and #21, drilled hole installed new rubber gasket for conduit penetration.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE MO Date 2/9/15

CHECKED BY: MGM



DESIGNED BY: MGM

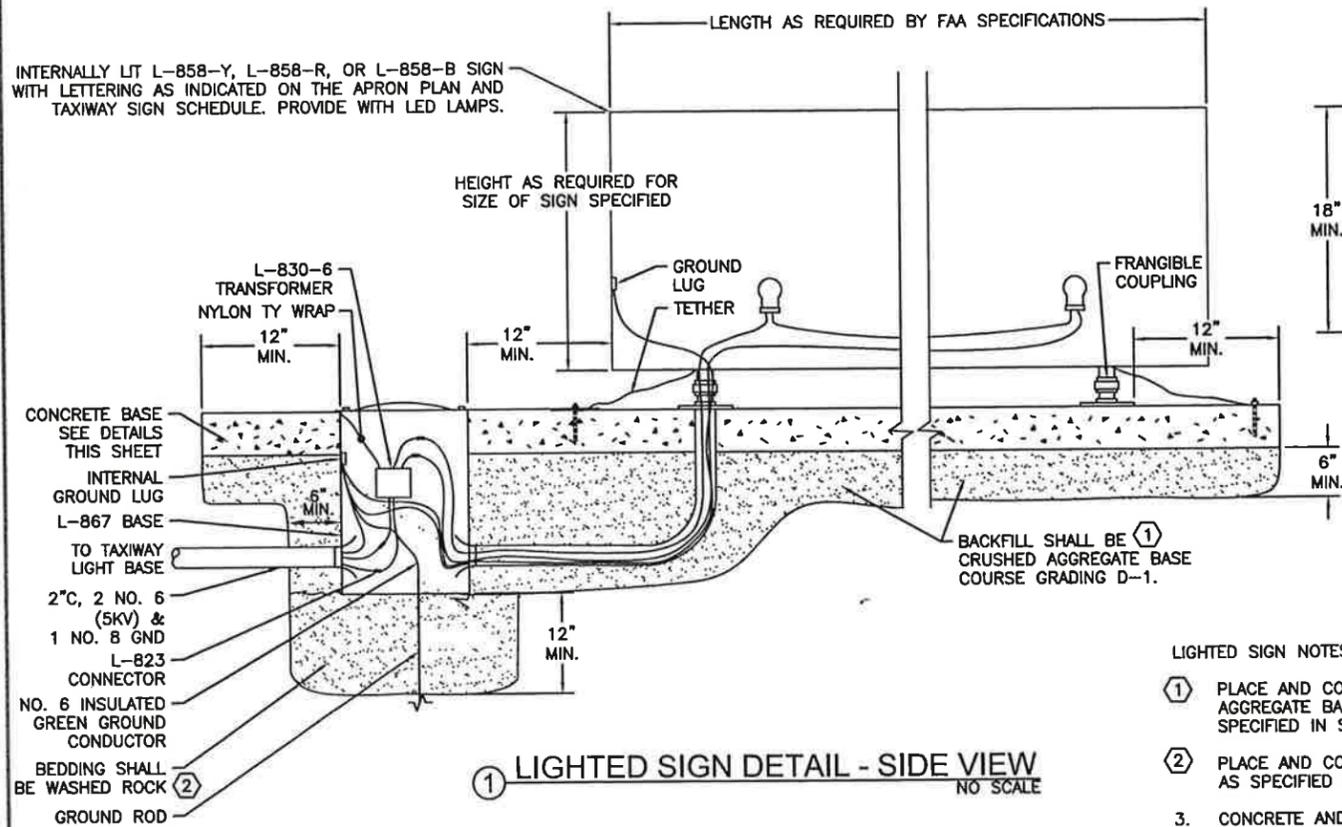
DRAWN BY: AQM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
KTN - AIRPORT TAXIWAY AND
APRON REHABILITATION
PROJECT #67946

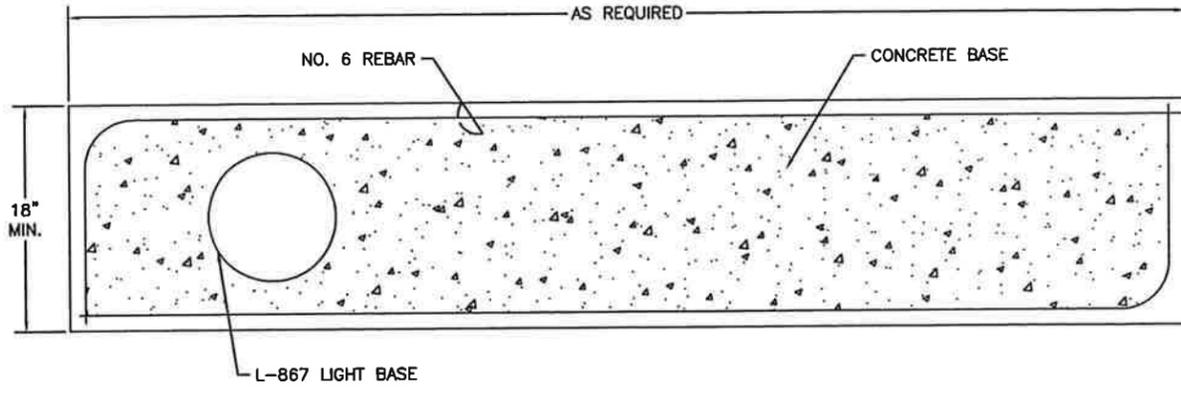
TAXIWAY SIGN SCHEDULES

PROJECT DESIGNATION	
67946	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
U2	34

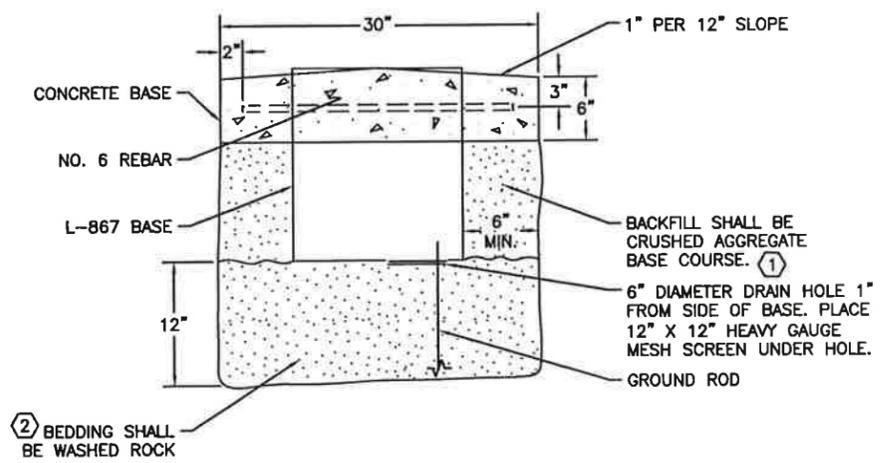
INTERNALLY LIT L-858-Y, L-858-R, OR L-858-B SIGN WITH LETTERING AS INDICATED ON THE APRON PLAN AND TAXIWAY SIGN SCHEDULE. PROVIDE WITH LED LAMPS.



① LIGHTED SIGN DETAIL - SIDE VIEW
NO SCALE



② LIGHTED SIGN DETAIL - TOP VIEW
NO SCALE

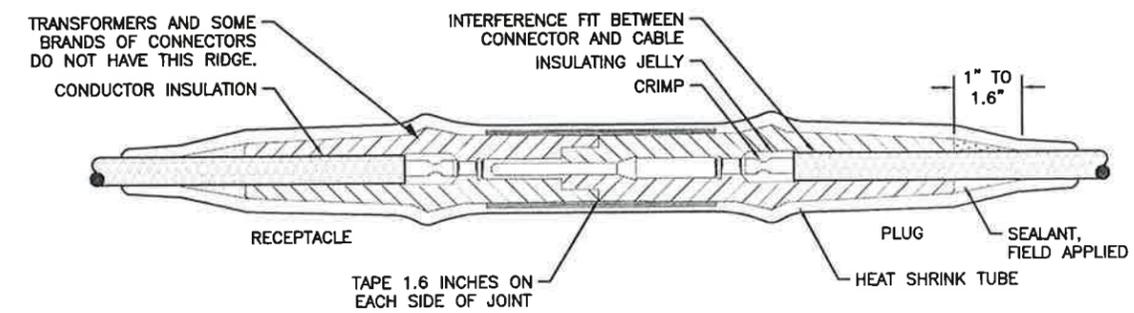


③ LIGHTED SIGN DETAIL - END VIEW
NO SCALE

- LIGHTED SIGN NOTES:
- ① PLACE AND COMPACT CRUSHED AGGREGATE BASE COURSE AS SPECIFIED IN SECTION L-100.
 - ② PLACE AND COMPACT WASHED ROCK AS SPECIFIED IN SECTION L-100.
 3. CONCRETE AND REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF SPECIFICATION P-610.

L-823 CONNECTOR NOTES:

1. CLEAN THE CABLE THOROUGHLY 12 INCHES MIN. FROM THE END.
2. REMOVE INSULATION PER MANUFACTURERS INSTRUCTIONS. DO NOT NICK THE CONDUCTOR. UTILIZE PENCILING TOOL.
3. INSTALL PIN AND / OR RECEPTACLE WITH A CRIMPING TOOL WHICH MUST BE COMPLETELY CLOSED BEFORE THE TOOL MAY BE REMOVED.
4. BE SURE CABLE AND CONNECTOR FITTINGS ARE CLEAN. COAT THE CABLE INSULATION WITH INSULATING JELLY FROM THE CONNECTOR.
5. CAREFULLY INSERT CABLE INTO CONNECTOR TO THE PROPER DEPTH.
6. SLIP 16 INCH LENGTH OF HEAT SHRINK TUBING ON TRANSFORMER LEAD. RANCHER TAPE KIT OR APPROVED EQUAL.
7. COMPLETE CONNECTION BY MATING THE PLUG AND RECEPTACLE. CAUTION: BE SURE THE CABLE DOES NOT SLIP OUT WHEN THE CONNECTION IS MADE.
8. APPLY RUBBER TAPE AND VINYL TAPE ONE HALF LAPPED, 1.6 INCHES ON EACH SIDE OF JOINT.
9. ANY CONNECTOR WHICH IS CONTAMINATED BY DIRT OR OTHER DAMAGING MATERIAL SHALL BE REMOVED AND NOT REINSTALLED.
10. CLEAN CONNECTOR, HEAT SHRINK AND CABLE INSULATION WITH WAX OR GREASE SOLVENT TO REMOVE SURFACE SILICONE JELLY. MAINTAIN CLEANLINESS THROUGH INSTALLATION PROCESS.
11. USE HEAT SHRINK TO BIND WITH INTEGRAL FULL LENGTH SEALANT COATING OR APPROVED EQUAL, SAS MODEL 71A0070.
12. CENTER HEAT SHRINK OVER THE CONNECTOR. APPLY HEAT EVENLY BEGINNING AT THE CENTER AND WORKING AROUND CABLE TO ENDS. DO NOT OVERHEAT.
13. THE HEAT SOURCE SHALL BE ELECTRIC HEAT GUN OR A PROPANE TORCH WITH A FLAME SPREADER TO BE APPROVED BY THE ENGINEER.



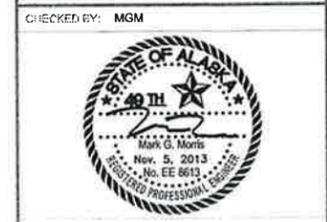
④ L-823 CONNECTOR WATERPROOFING DETAIL
NO SCALE

INSTALLATION INSTRUCTIONS TO SUPPLEMENT THE MANUFACTURERS INSTRUCTIONS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *MSB* Date *2/9/15*

PATH:
Y:\102 STATE OF AK31 KETCHIKAN TAXIWAY LOCATION UPGRADES\1. WORKING DRAWINGS\SIGN & CONNECTOR DETAILS.OWG

APPENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



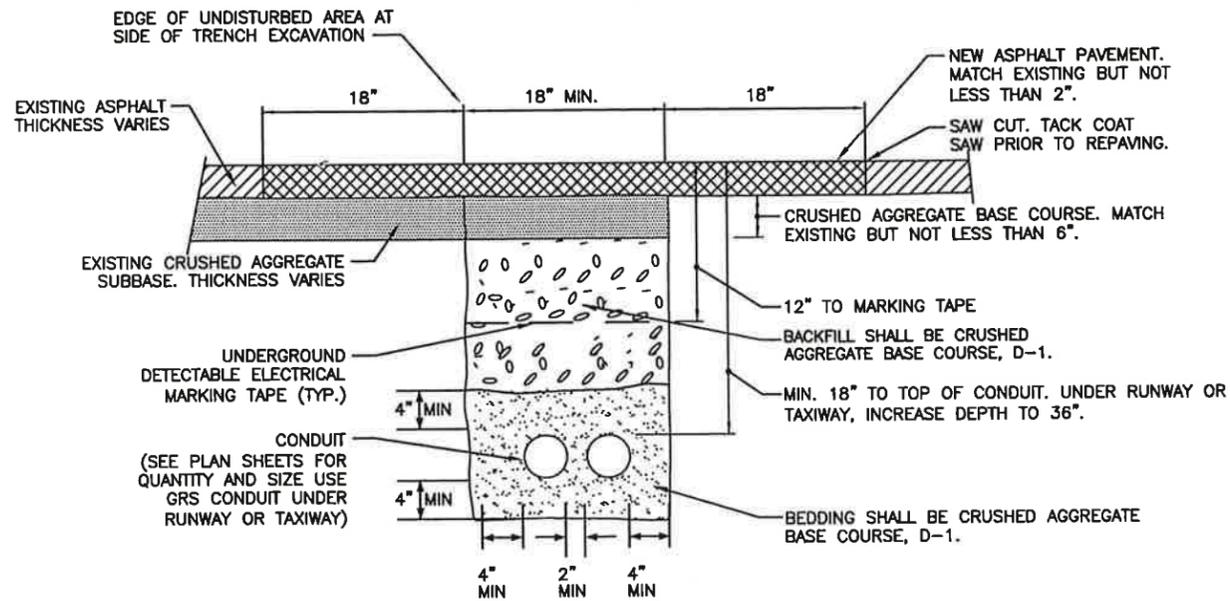
DESIGNED BY: MGM
DRAWN BY: MLK
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
KTN - AIRPORT TAXIWAY AND APRON REHABILITATION
PROJECT #67946

SIGN & CONNECTOR DETAILS

PROJECT DESIGNATION	
67946	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
U3	34

SHEET NOTES:

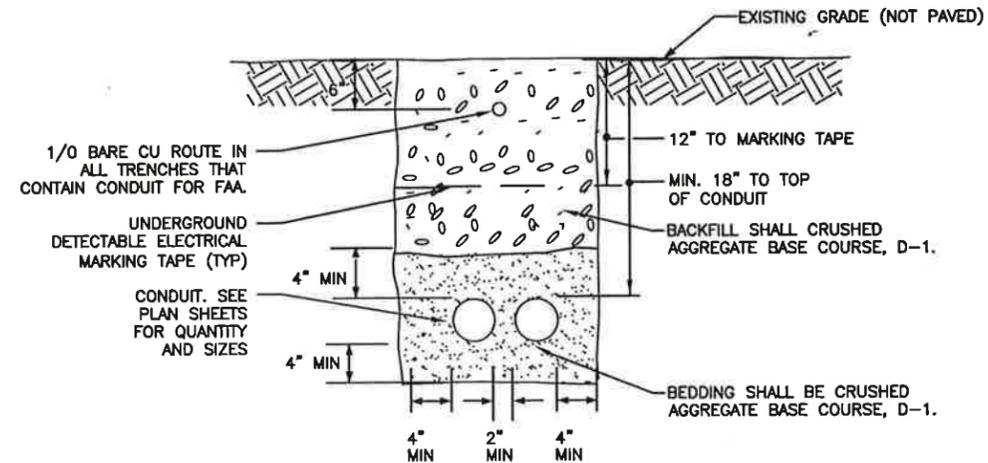
1. THESE ARE TYPICAL TRENCH SECTIONS SHOWING MINIMUM DIMENSIONS AND REQUIRED MATERIALS. CONFIGURE ALL TRENCHES AS NECESSARY TO COMPLY WITH DIMENSIONS SHOWN. DO NOT USE THESE DETAILS FOR TRENCHES BETWEEN SEMIFLUSH LIGHTS. SEE DETAILS FOR SEMIFLUSH LIGHT INSTALLATION.
2. BURY ALL CONDUIT AT 18" MINIMUM BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
3. FAA POWER CONDUIT SHALL BE BURIED AT 36" BELOW FINISHED GRADE.
4. PROVIDE 6" VERTICAL SEPARATION MINIMUM BETWEEN CONDUIT.
5. SEE PLAN SHEETS FOR NUMBER OF CONDUITS IN TRENCH.
6. BACKFILL AND BEDDING SHALL BE CONCRETE WHERE UNDER TAXIWAY OR RUNWAY. PER P-610-3.2
7. PLACE AND COMPACT CRUSHED AGGREGATE BASE COURSE AS SPECIFIED IN SECTION L-100.
8. NO FROST WHEEL IS ALLOWED FOR TRENCHES EXCEPT FOR SEMIFLUSH LIGHT INSTALLATION.



NOTES:

1. USE THIS DETAIL WHERE CONDUIT HAS TO BE PLACED BELOW EXISTING ASPHALT TO REMAIN.
2. TRENCH BEDDING AND BACKFILL TO BE COMPACTED TO 95% MAXIMUM DENSITY.
3. CRUSHED AGGREGATE BASE COURSE TO BE COMPACTED TO 100% MAXIMUM DENSITY FOR TOP 6" WHERE UNDER A RUNWAY OR TAXIWAY.
4. RETURN PAVEMENT TO THE CONDITION IT WAS IN PRIOR TO MAKING THE SAW CUT.

① CONDUIT TRENCH WITHIN PAVED AREAS TO BE PATCHED NO SCALE



NOTE:

WHERE TRENCHING THROUGH EXISTING ASPHALT, PATCH ASPHALT PER DETAIL 1 ON THIS SHEET.

② CONDUIT TRENCH WITH NO EXISTING ASPHALT COVER (TYP) NO SCALE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *MS* Date *2/9/15*

PATH
 Y:\102 STATE OF AK31 KETCHIKAN
 TAXIWAY LOCATION UPGRADES\11
 WORKING DRAWINGS\TRENCHING
 DETAILS.DWG

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

CHECKED BY: MGM



DESIGNED BY: MGM

DRAWN BY: MLK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

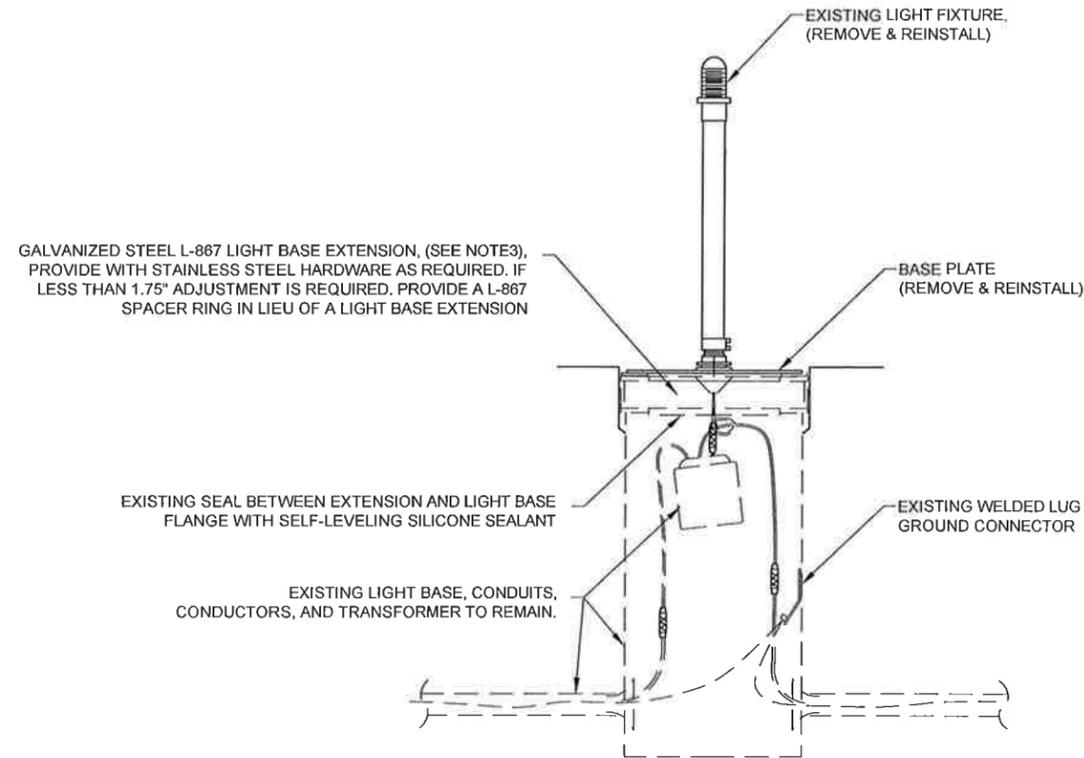
KTN - AIRPORT TAXIWAY AND
 APRON REHABILITATION
 PROJECT #67946

TRENCHING DETAILS

PROJECT DESIGNATION

67946

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
U4	34



1 BASE EXTENSION DETAIL
NTS

TAXIWAY AND APRON LIGHT BASE EXTENSION SCHEDULE

LIGHT BASE NUMBERS	LOCATION	ESTIMATED HEIGHT OF ADJUSTMENT REQUIRED (SEE NOTE 3)
T2-13, T2-15, T2-30 AND T2-81	TAXIWAY B	2"
T2-31	TAXIWAY B	1-1/2"
T2-32	TAXIWAY B	1-1/2" - SEE NOTE 5
T2-33 TO T2-50	TAXIWAY B	1-1/2"
T2-60 TO T2-80	TAXIWAY B	1-1/2"
T2-16 TO T2-18	MAIN APRON	2"
T2-1 TO T2-2	MAIN APRON	2-1/2"
T2-3 TO T2-12	MAIN APRON	2"
T1-28 TO T1-29	HOLDING APRON	3-1/2"
T1-30 TO T1-37	HOLDING APRON	2-1/2"
T1-38 TO T1-40	HOLDING APRON	3-1/2"
T1-27	TAXIWAY A	3-1/2"
T1-41 TO T1-50	TAXIWAY A	3-1/2"
T1-51	TAXIWAY A	3-1/2" - SEE NOTE 5
T1-52 TO T1-54	TAXIWAY A	3-1/2"
T1-115 TO T1-124	TAXIWAY A	3-1/2"
T1-1 TO T1-13	TAXIWAY A	3-1/2"

GENERAL NOTE:

SEE SHEET F1 FOR LOCATION OF EXISTING ELECTRICAL MANHOLES THAT SHALL BE ADJUSTED TO MATCH FINAL GRADE. FIELD VERIFY ADJUSTMENT HEIGHT PER SPECIFICATION SECTION L-110.

NOTES:

1. REMOVE LIGHT FIXTURE AND BASE PLATE. STORE IN DRY LOCATION UNTIL REINSTALLED. EXTENSION OR SPACER RING MAY BE INSTALLED BEFORE OR AFTER PAVING. INSTALL TEMPORARY PLYWOOD COVER DURING PAVING.
2. AFTER PAVING, REMOVE PLYWOOD COVER AND REINSTALL EXISTING LIGHT FIXTURE AND BASE PLATE (AND EXTENSION OR SPACER RING IF NOT INSTALLED BEFORE PAVING).
3. FIELD VERIFY ACTUAL HEIGHT ADJUSTMENT REQUIRED FOR EACH LIGHT BASE AFTER PAVING.
4. SEE SHEETS F1 THROUGH F4 FOR APPROXIMATE LOCATION OF BASE MOUNTED TAXIWAY AND APRON EDGE LIGHTS. FIELD VERIFY ACTUAL LOCATIONS.
5. EXISTING LIGHT BASES T1-51 AND T2-32 SHALL BE REPLACED WITH NEW LIGHT BASES. SEE SHEET U1 AND ELECTRICAL SPECIFICATIONS. PROVIDE EXTENSIONS ON THE NEW LIGHT BASE.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed
 PE MB Date 2/9/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: MAH  DESIGNED BY: MJV DRAWN BY: RLG	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN - AIRPORT TAXIWAY AND APRON REHABILITATION PROJECT #67946 FY14 VARIOUS AIRPORTS SURFACE PRESERVATION MAINTENANCE PROJECT #68016 LIGHT BASE EXTENSION DETAIL & SCHEDULE			
	PATH: Q:\KTN\67946\PLANSET\3D 2013\ALT 1\67946_U5 ELEC.DWG TAB: U5 Friday, November 15, 2013 10:00:55 AM GRANTHAM, RICK L (DOT)	PROJECT DESIGNATION AIP No. 3-02-0144-022-2013	YEAR 2013	SHEET NO. U5