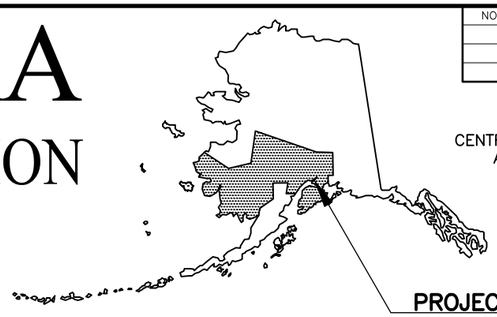
DESIGNED BY	A.A.
CHECKED BY	A.A.L.
DRAFTED BY	R.C.Y.

SCALE	DATE	TIME
NTS	8/12/2025	1:17 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_A01_TTL.DWG

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES



CENTRAL REGION
ALASKA

PROJECT LOCATION
M&O STATION: ANCHORAGE

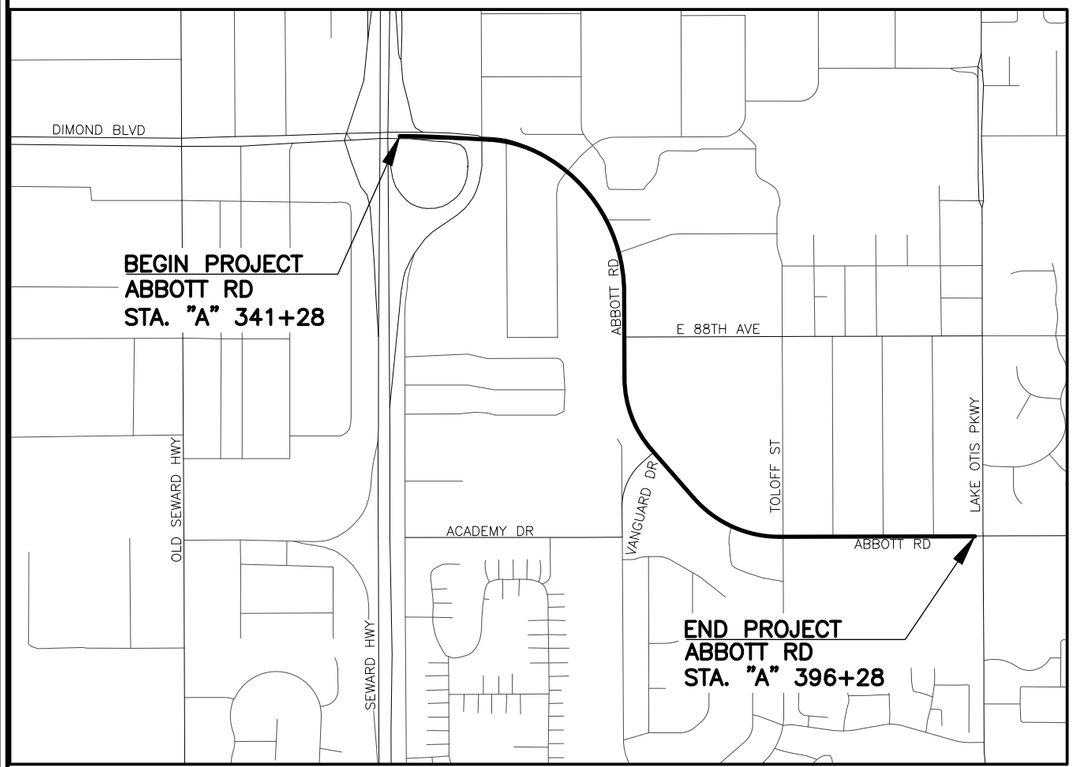
NO.	DATE	REVISION

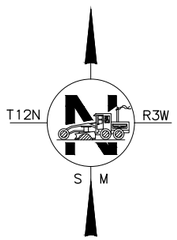
STATE	PROJECT DESIGNATION		YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010		2025	A1	A4
ROUTE ID	2281038X000	MILEPOINT	2.75 - 3.82		
LATITUDE	61.139419	LONGITUDE	-149.847072		

PROPOSED HIGHWAY PROJECT

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY PROJECT NO. 0506007/CFHWY01010

PLANING, ADA IMPROVEMENTS, PAVING, PATHWAYS, SIGNING, AND STRIPING





PROJECT SUMMARY		
ROADWAY	WIDTH	LENGTH
ABBOTT ROAD	58 FT TO 120 FT	1.04 MILES

DESIGN DESIGNATIONS	
	ABBOTT ROAD
FUNCTIONAL CLASS	PRINCIPLE ARTERIAL
AADT (2024)	29,300
POSTED SPEED (V) (MPH)	40 MPH

PIH REVIEW
AUGUST 2025

PLANS DEVELOPED BY: HDL ENGINEERING CONSULTANTS, LLC

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
4111 AVIATION AVENUE, ANCHORAGE, AK 99502
(907)269-0590

APPROVED:

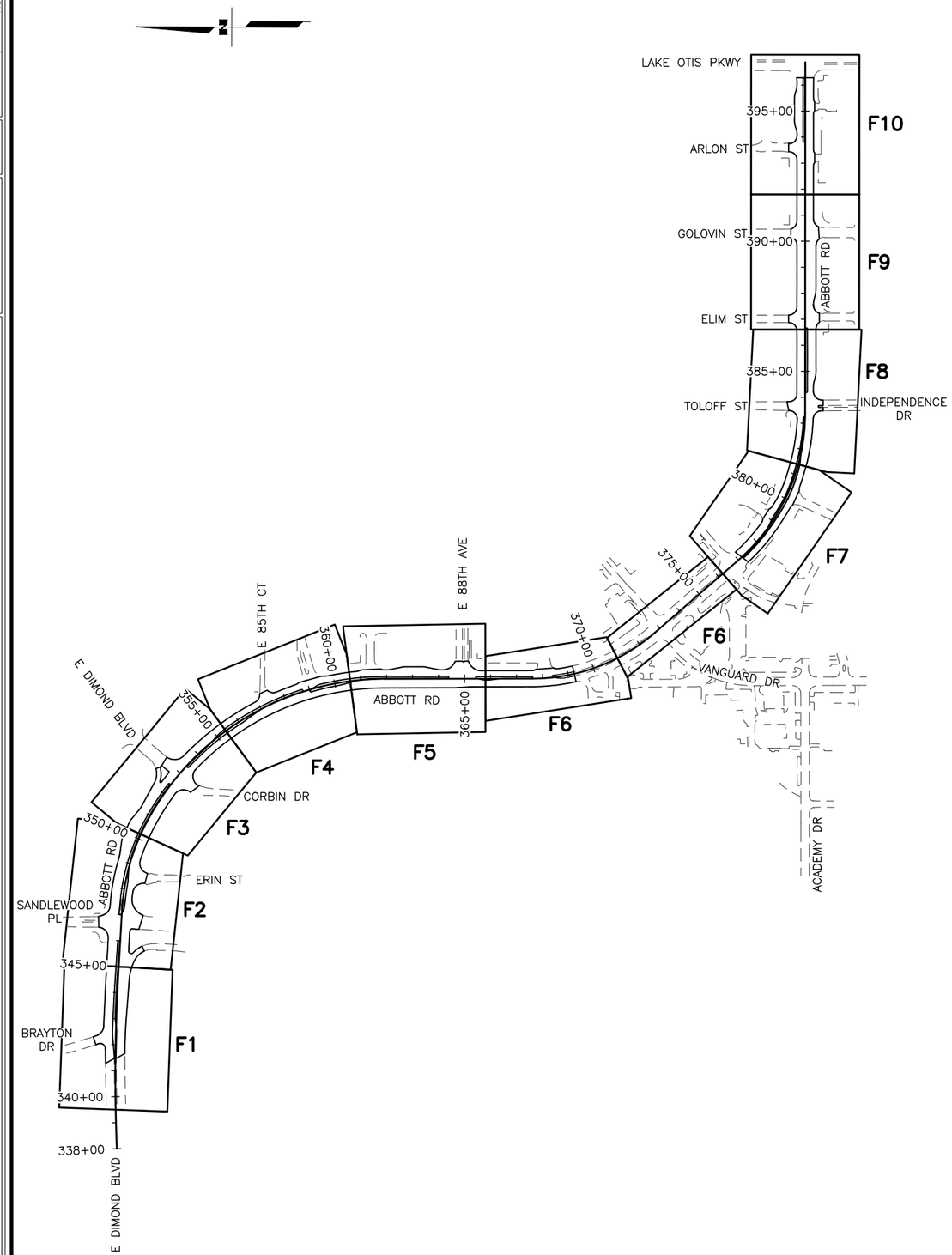
REGIONAL PRECONSTRUCTION ENGINEER DATE

CONCUR:

REGIONAL CONSTRUCTION ENGINEER DATE

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	A2	A4



GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE RIGHT-OF-WAY, TEMPORARY CONSTRUCTION EASEMENTS, AND TEMPORARY CONSTRUCTION PERMITS. NO EXCESS MATERIAL SHALL BE DISPOSED OF WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY CALLED FOR IN THE PLANS OR DIRECTED BY THE ENGINEER.
2. THE RIGHT-OF-WAY LINES SHOWN WERE CREATED FOR THIS PROJECT BY HDL ENGINEERING CONSULTANTS, LLC AND ARE BASED ON RECORDED DOCUMENTS AND/OR PLATTED SUBDIVISIONS, AND SURVEYED MONUMENTS. THE RIGHT-OF-WAY LINES WERE INSERTED USING A COMMON COORDINATE SYSTEM.
3. THE EXISTING INFORMATION SHOWN IN THE PLANS IS FROM AS-BUILTS AND HAS BEEN PARTIALLY FIELD VERIFIED. FIELD CONDITIONS MAY NOT BE ACCURATELY REPRESENTED AND/OR MAY HAVE CHANGED. ADJUST INSTALLATIONS AS DIRECTED BY THE ENGINEER.
4. CLEARING LIMITS SHALL BE 2-FEET BEYOND THE EDGE OF SIDEWALK/PATHWAY OR TO THE RIGHT-OF-WAY, WHICHEVER IS LESS. CLEARING LIMITS ARE INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATE METHOD APPROVED BY THE ENGINEER.
6. PLACE 4" TOPSOIL AND SOD ON ANY AREAS DISTURBED BY CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.
7. ADJUST ALL PAVEMENT PENETRATIONS TO FINAL GRADE PRIOR TO TOP LIFT OF PAVING.

   IF ANY PAVEMENT PENETRATION REQUIRES GRADE ADJUSTMENT AFTER FINAL LIFT PAVING, AS DETERMINED BY THE ENGINEER, SAW CUT A NEAT LINE ALONG THE PAVEMENT TO BE REMOVED. USE AN INFRARED HEATER TO HEAT THE EXISTING PAVEMENT; EQUIPMENT AND MAXIMUM TEMPERATURE SHALL BE APPROVED BY THE ENGINEER. REPLACE THE REMOVED ASPHALT WITH NEW HOT MIX ASPHALT AND THOROUGHLY COMPACT. SEAL JOINTS, AT LEAST 12 INCHES WIDE CENTERED ON JOINT, USING ASPHALT SYSTEMS GSB-88, OR APPROVED EQUAL, WHILE THE HOT MIX ASPHALT IS CLEAN, FREE OF MOISTURE AND PRIOR TO STRIPING.

   THERE SHALL BE NO PAYMENT FOR ADDITIONAL WORK CAUSED BY FAILURE TO ADJUST PAVEMENT PENETRATIONS TO FINAL GRADE.
8. CONSTRUCT CURB RAMPS TO AVOID IMPACTING SIGNAL POLE FOUNDATIONS. DO NOT COVER SIGNAL POLE FOUNDATION BOLTS AND BASE PLATES WITH TOPSOIL.
9. PLACE CURB AND GUTTER PRIOR TO FINAL LIFT OF ASPHALT.
10. ALL STATIONS AND OFFSETS REFERENCE THE ABBOTT RD ALIGNMENT.
11. DETECTABLE WARNING TILES SHALL BE YELLOW.
12. CONSTRUCT BACKING CURB WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

INDEX

THE FOLLOWING CENTRAL REGION STANDARD DETAILS APPLY TO THIS PROJECT:

CR-T-01.20

IN THE EVENT OF CONFLICT, CENTRAL REGION STANDARD DETAILS SUPERSEDE ALASKA STANDARD PLANS, STANDARD MODIFICATIONS, AND STANDARD SPECIFICATIONS. PLANS AND SPECIAL PROVISIONS SUPERSEDE CENTRAL REGION STANDARD DETAILS.

THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THIS PROJECT:

C-04.12, C-05.20, C-06.00,
I-21.12, I-30.10,
S-00.12, S-05.02, S-23.00, S-30.05, S-31.02, S-52.01,
T-20.04, T-21.04, T-22.04, T-23.01, T-30.12

SPECIFICATION:

CONSTRUCT THE IMPROVEMENTS COVERED BY THESE PLANS IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 2020 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE PROJECT SPECIAL PROVISIONS.

STATE OF ALASKA
STATE OF ALASKA
49TH
AVERY H. LARSEN
CPE 19371
REGISTERED PROFESSIONAL ENGINEER
WITHDRAWN
SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564-2120
AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SHEET LAYOUT, INDEX, AND GENERAL NOTES

DESIGNED BY A.A.
CHECKED BY A.M.L.
DRAFTED BY R.C.Y.

SCALE 1" = 150

DATE 8/12/2025 TIME 1:24 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_A02_INDEX.DWG BY RYARMAK

DESIGNED BY | CHECKED BY | DRAFTED BY

SCALE | X" = X'

DATE | TIME
8/12/2025 | 1:24 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_A03_LGND.DWG BY RYARMAK

ROADWAY

	EXISTING	PROPOSED
EDGE OF PAVEMENT		
ASPHALT PAVEMENT		
DIGOUT AREA		
LIMIT OF CUT SLOPE & FILL SLOPE		CUT / FILL
GRAVEL EDGE		
SIDEWALK AND PATH/TRAIL		
CONCRETE CURB & GUTTER		
CONCRETE CURB CUT		
PARALLEL CURB RAMP PERPENDICULAR CURB RAMP		
DIRECTIONAL CURB RAMP & MID-BLOCK CURB RAMP		
DETECTABLE WARNING TILE		
BRIDGE		
TUNNEL		
GUARDRAIL		
END & PARALLEL END SECTIONS		
ROADWAY OBLITERATION		
FENCE	X X	X X
STONE FENCE		
NOISE BARRIER	====X====	====X====
RETAINING WALL		
HEADWALL & WINGWALL		
BOTTOM OF DITCH		
SPECIAL DITCH		
FLAT BOTTOM DITCH		
BERM		
RIPRAP		
BOULDER OR BOULDERS		
PRIVATE SIGN, MAILBOX	MB	MB
POST, BOLLARD		

UTILITIES

	EXISTING	PROPOSED
STORM DRAIN	SD	
STORM DRAIN MANHOLE, CLEANOUT	SD CO	SD CO
CURB INLET CATCH BASIN FIELD INLET CATCH BASIN	FI	FI
PIPE CULVERT WITH END SECTION		
SANITARY SEWER	SS	SS
SANITARY SEWER MANHOLE, CLEANOUT	SS CO	SS CO
SEPTIC VENT, SEWER SERVICE CONNECTION	S	
WATER	W	W
FIRE HYDRANT, VALVE OR RISER		
WELL, WATER SERVICE CONNECTION	W	
NATURAL GAS	G G	
OIL OR GASOLINE PIPELINE	OIL	
TANKS (ABOVE GROUND, UNDERGROUND)	U	
ELECTRIC	OE (OVERHEAD) UE (UNDERGROUND) OE|OT (OVERHEAD)	
UTILITY POLE, POLE WITH LUMINAIRE		
GUY POLE, GUY WIRE ANCHOR	GP	
TRANSMISSION TOWER (WOOD, STEEL)	W S	
ELECTRIC PEDESTAL, TRANSFORMER	E	E
ELECTRIC MANHOLE, METER	E	
ELECTRIC OUTLET, LANDSCAPE LIGHT		
TELEPHONE	OT (OVERHEAD) UT (UNDERGROUND) UT|UTV (UNDERGROUND)	
TELEPHONE MANHOLE, PEDESTAL	T	
FIBER OPTIC	OFO (OVERHEAD) FO (UNDERGROUND)	
FIBER OPTIC MANHOLE	FO	
CABLE TV	OTV (OVERHEAD) UTV (UNDERGROUND)	
CABLE TV PEDESTAL, SATELLITE DISH		
UNDERGROUND DUCT, UTILIDOR (ELECTRIC, TELEPHONE, FIBER OPTIC)		
VENT		

TOPOGRAPHY

	EXISTING		EXISTING	PROPOSED
LAKE OR POND, WETLANDS	LAKE/POND		CONTOUR, MAJOR OR MINOR	520	520
TREE (CONIFER/DECIDUOUS) TREELINE (EDGE OF VEGETATION)			DRAINAGE FLOW		
PLANTER	P		CREEK (CENTERLINE)		
BUILDING OR FOUNDATION			RIVER (EDGE OF WATER)		

TRAFFIC

	EXISTING	PROPOSED
LOAD CENTER		
STATE TRAFFIC, MOA TRAFFIC, & BEACON CONTROLLER ARROW INDICATES DOOR LOCATION		
TYPE 1A, II, III, IV JUNCTION BOX		## ## ## ##
FIBER OPTIC VAULT	F/O	F/O ##
ELECTROLIER		
HIGHTOWER		HT#
SIGNAL POLE WITH MASTARM		14
PEDESTRIAN PUSH BUTTON & SIGNAL		
VEHICULAR SIGNAL		
VEHICULAR SIGNAL LEFT & RIGHT		
OPTICAL, CAMERA, RADAR, AND GPS DETECTOR		CAM RAD GPS
LOOP DETECTOR		###
COMMUNICATION ANTENNA		
MASTARM BEACON		
RURAL & SCHOOL ZONE BEACON		
LOOP DETECTOR CONDUIT		
SIGNAL CONDUIT	TR	TR
LIGHTING CONDUIT	LTG	LTG
SIGNAL & LIGHTING CONDUIT	T/L	T/L
CONDUIT BORING		
CONDUIT SIZE IN INCHES	2"-3C4	2" 1-3C4 CKT BA12 CKT BA13
INTERCONNECT	I/C	I/C
SIGN POST		##

PAVEMENT MARKINGS

	PROPOSED
TRAFFIC PROJECT CENTERLINE	
8" & 4" WHITE SOLID STRIPE	8"W 4"W
4" WHITE SKIP STRIPE 10' STRIPES AND 30' SPACES	4"W SKIP
8" WHITE LANE GUIDE SKIP LANE CONTINUATION OR TURN SKIP 1' STRIPES AND 3' SPACES	8"W GUIDE SKIP
8" & 4" YELLOW SOLID STRIPE	8"Y 4"Y
4" YELLOW SKIP STRIPE 10' STRIPES AND 30' SPACES	4"Y SKIP
STRIPING CHANGE STATION INTERVAL	+20
2' CROSSWALK OR STOPBAR	24"W (TYP)
LONGITUDINAL CROSSWALK 2' WIDE RUNGS WITH 2' SPACES ALIGNED TO AVOID TIRE PATHS	10'
TYPICAL PAINTED MEDIAN	12' (2)-4"Y 3" APART; VARIES; 18"Y @ 45°

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	A3	A4

RIGHT-OF-WAY

	RECOVERED	SET THIS PROJECT
FEDERAL GOV'T SURVEY MONUMENT		
GOV'T CONTROL STATION		
PRIMARY MONUMENT (BRASS/AL CAP)		
MISC SECONDARY CORNER		
PRIMARY CENTERLINE MONUMENT		
SECONDARY CENTERLINE MONUMENT		
RANDOM CONTROL MONUMENT	RCM	
PRIMARY GPS CONTROL POINT	GPS	
HORIZONTAL CONTROL POINT	CP	
SECONDARY CONTROL POINT	SCP	
VERTICAL BENCHMARK	BM	
TEMPORARY BENCHMARK	TBM	
TOWNSHIP AND RANGE LINES	T13N / T12N, R2W / R3W	
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
CORPORATE or CITY LIMITS		
EXISTING RIGHT-OF-WAY		
RIGHT-OF-WAY OR EASEMENT REQUIRED		
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY EASEMENT		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE		
EXISTING UTILITY EASEMENT		
PROPOSED UTILITY EASEMENT		
EXISTING CENTERLINE		
RAILROAD CENTERLINE		
TEMPORARY CONSTRUCTION EASEMENT		
TEMPORARY CONSTRUCTION PERMIT		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

LEGEND

STATE OF ALASKA · 49TH · AVERIL M. LARSEN · 9371 · REGISTERED PROFESSIONAL ENGINEER
WITHDRAWN
NOT RELEASED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564-2120
AECL861

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	A4	A4

DESIGNED BY
CHECKED BY
DRAFTED BY

SCALE

DATE 8/12/2025 TIME 1:25 PM

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SURVEY CONTROL TO BE INCLUDED IN NEXT SUBMITTAL

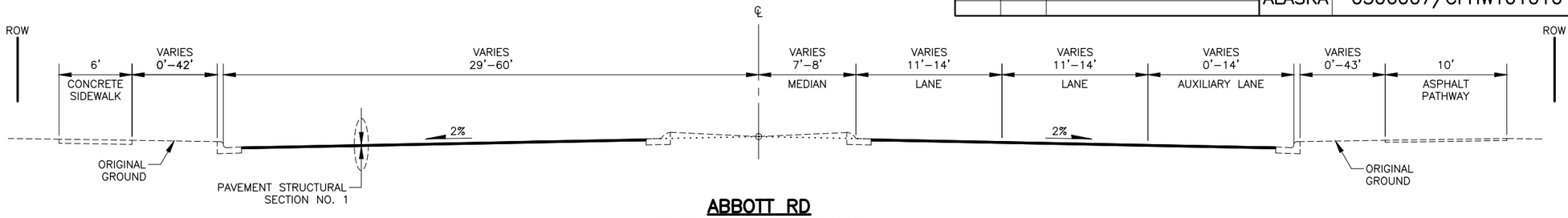
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SURVEY CONTROL SHEET(S)

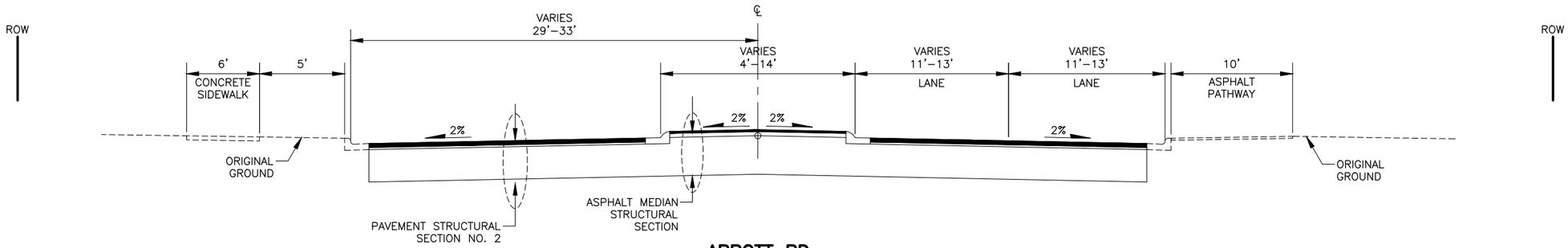
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	B1	B2



ABBOTT RD

STA 341+28.00 TO STA 365+13.00
STA 383+23.95 TO STA 387+45.00
STA 393+79.00 TO STA 396+28.00



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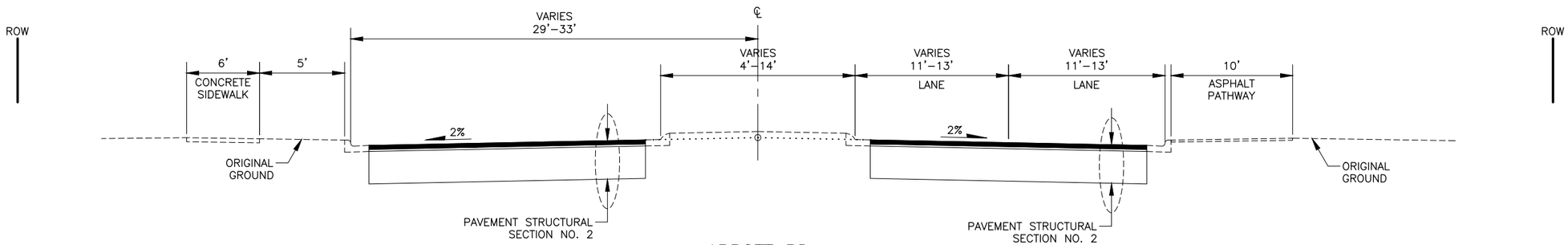
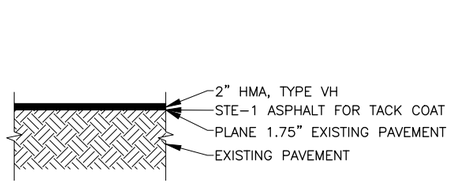
STA 367+62.20 TO STA 369+23.00

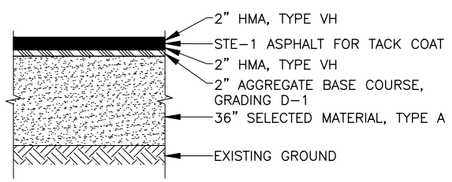


ABBOTT RD

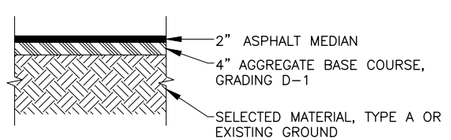
STA 365+42.50 TO STA 367+62.20



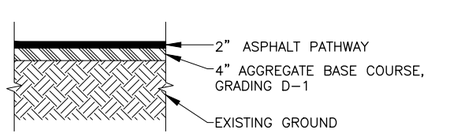
PAVEMENT STRUCTURAL SECTION NO. 1



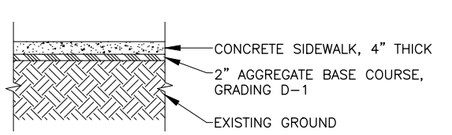
PAVEMENT STRUCTURAL SECTION NO. 2



ASPHALT MEDIAN STRUCTURAL SECTION



ASPHALT PATHWAY STRUCTURAL SECTION



CONCRETE SIDEWALK STRUCTURAL SECTION

NOTES:

1. TOP OF ASPHALT SHALL BE 1/8" – 1/4" ABOVE LIP OF CURB, UNLESS OTHERWISE NOTED.
2. TAPER PAVEMENT PLANING BETWEEN DIFFERENT ROADWAY STRUCTURAL SECTIONS AND AT THE BEGINNING/END OF PROJECT AT A RATE OF 100' LENGTH PER 1' DIFFERENCE IN FINAL PAVEMENT SURFACE ELEVATION FROM THE EXISTING PAVEMENT SURFACE ELEVATION.

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564–2120
AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

TYPICAL SECTIONS

DESIGNED BY AAL
CHECKED BY AJA
DRAFTED BY RCY
SCALE X" = XX'
DATE 8/12/2025 TIME 1:25 PM
DRAWING LOCATION H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_B01_TYP.DWG BY RYARMAK

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	B2	B2

DESIGNED BY AAL
CHECKED BY AJA
DRAFTED BY RCY

SCALE X" = XX'

DATE 8/12/2025 TIME 1:25 PM

DRAWING LOCATION
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NOTES:

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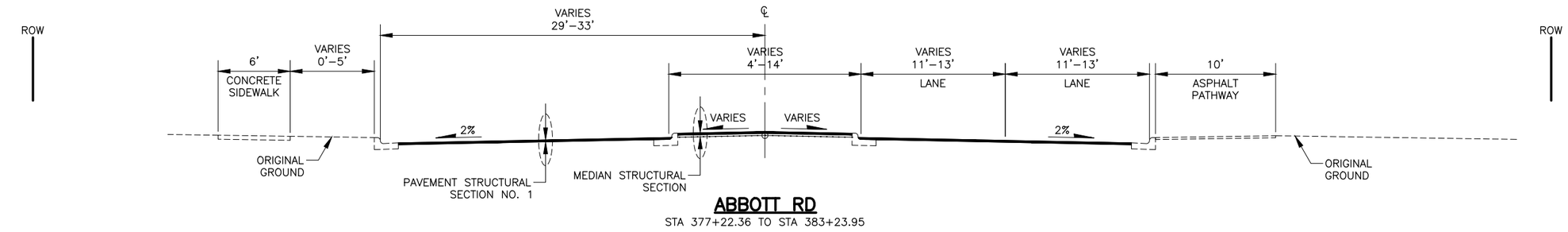
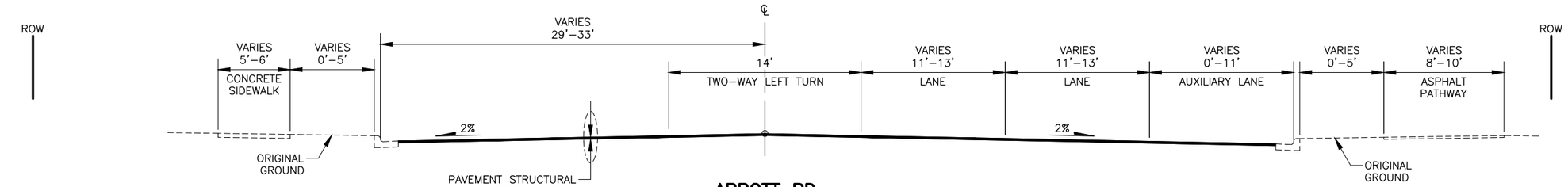
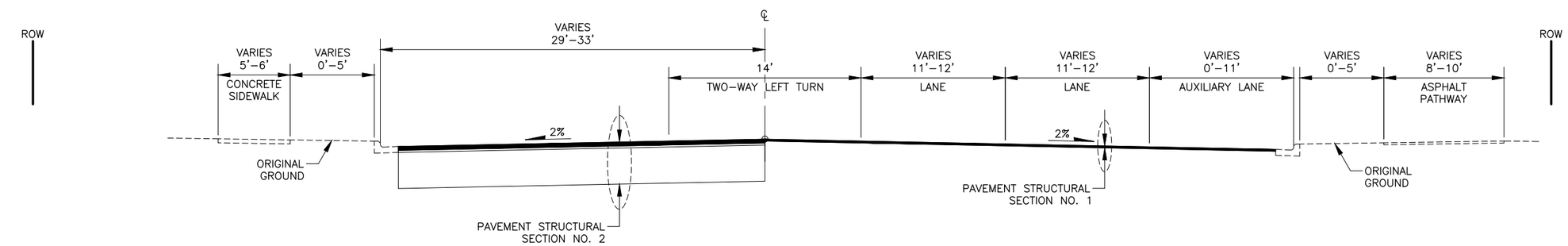


ABBOTT RD
STA 377+22.36 TO STA 383+23.95



ABBOTT RD
STA 387+45.00 TO STA 389+50.00
STA 393+50.00 TO STA 393+79.00



ABBOTT RD
STA 389+50.00 TO STA 393+50.00

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD. STE 100
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

TYPICAL SECTIONS

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	C1	C1

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

SCALE NTS

DATE TIME 8/12/2025 1:25 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_C01_EST.DWG BY RYARMAK

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201.0007.0000	CLEARING	LS	ALL REQ'D
202.0002.0000	REMOVAL OF PAVEMENT	SY	4,850
202.0003.0000	REMOVAL OF SIDEWALK	SY	550
202.0009.0000	REMOVAL OF CURB AND GUTTER	LF	1,250
202.2013.0000	REMOVE FUGITIVE MATERIALS	LF	4,100
202.2023.0000	PAVEMENT PLANING	SY	29,400
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	4,700
203.0006.000A	BORROW, TYPE A	TON	8,400
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	650
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	TON	13
408.2001.00VH	HMA, TYPE VH	TON	5,050
408.2004.6440	ASPHALT BINDER, GRADE PG 64-40 E	TON	267
408.2008.00VH	HMA PRICE ADJUSTMENT, TYPE VH	CS	ALL REQ'D
408.2009.0000	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CS	ALL REQ'D
408.2010.0002	PAVEMENT SMOOTHNESS PRICE ADJUSTMENT, METHOD 2	CS	ALL REQ'D
408.2015.0000	ASPHALT MATERIAL PRICE ADJUSTMENT	CS	ALL REQ'D
408.2021.0000	ASPHALT BINDER PRICE ADJUSTMENT	CS	ALL REQ'D
604.0004.0000	ADJUST EXISTING MANHOLE	EA	23
604.0016.0000	ADJUST INLET FRAME AND GRATE	EA	2
608.0001.0004	CONCRETE SIDEWALK, 4 INCHES THICK	SY	165
608.0006.0000	CURB RAMP	EA	35
608.2002.0000	ASPHALT PATHWAY	TON	28
608.2004.0000	ASPHALT MEDIANS	TON	70
608.2017.0000	DETECTABLE WARNING TILE CONCRETE LANDING	EA	2
609.0002.0001	CURB AND GUTTER, TYPE 1	LF	1,250
615.0001.0000	STANDARD SIGN	SF	889
615.0006.0000	SALVAGE SIGN	EA	55
623.2001.0000	LAWN SOD	SY	2,550
627.0010.0000	ADJUSTMENT OF VALVE BOX	EA	15
639.2000.0000	APPROACH	EA	23
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQ'D
641.0005.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CS	ALL REQ'D
641.0006.0000	WITHHOLDING	CS	ALL REQ'D
641.0007.0000	SWPPP MANAGER	LS	ALL REQ'D
641.0008.0000	SWPPPTRACK	CS	ALL REQ'D
642.0001.0000	CONSTRUCTION SURVEYING	LS	ALL REQ'D
642.0003.0000	THREE PERSON SURVEY PARTY	HR	40
642.0011.0000	ADJUST EXISTING MONUMENT CASE	EA	8

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
643.0002.0000	TRAFFIC MAINTENANCE	LS	ALL REQ'D
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CS	ALL REQ'D
643.0025.0000	TRAFFIC CONTROL	CS	ALL REQ'D
643.0032.0000	FLAGGING	CS	ALL REQ'D
644.0001.0000	FIELD OFFICE	LS	ALL REQ'D
644.2004.0000	ENGINEERING COMMUNICATIONS	CS	ALL REQ'D
645.0001.0000	TRAINING PROGRAM, 1 TRAINEES/APPRENTICES	LH	500
646.0001.0000	CPM SCHEDULING	LS	ALL REQ'D
647.2002.0000	BACKHOE, 4WD, 1 CY BUCKET, 75-HP MINIMUM, 15 FT DEPTH	CS	ALL REQ'D
660.0011.0000	TRAFFIC LOOP	EA	6
660.2004.0000	ADJUST JUNCTION BOX	EA	8
660.2008.0000	TRAFFIC LOOP REPLACEMENT	CS	ALL REQ'D
670.2005.0000	MMA PAVEMENT MARKINGS, TRANSVERSE AND GORE SURFACE APPLIED	LF	1,250
670.2006.0000	MMA PAVEMENT MARKINGS, LONGITUDINAL INLAID	LF	13,500
670.2007.0000	MMA PAVEMENT MARKINGS, SYMBOLS AND ARROW(S) INLAID	EA	45
670.2008.0000	MMA PAVEMENT MARKINGS, TRANSVERSE AND GORE INLAID	LF	9,300
682.2000.0000	VAC-TRUCK POTHOLE	CS	ALL REQ'D

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	UNIT
203.0006.000A	BORROW, TYPE A	144 LB/CF
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	144 LB/CF
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	0.000334 TON/SY
408.2001.00VH	HMA, TYPE VH	151 LB/CF
408.2004.6440	ASPHALT BINDER, GRADE PG 64-40 E	5.3% OF TOTAL WEIGHT OF 408.2001.00VH
608.2002.0000	ASPHALT PATHWAY	151 LB/CF
623.2002.0000	WATER FOR SOD	1 MGAL/MSF

STATE OF ALASKA
49TH
AVERIAN A. LARSEN
CE-19371
REGISTERED PROFESSIONAL ENGINEER
NOT VALID UNLESS SIGNED

HDL ENGINEERING CONSULTANTS, LLC
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

ESTIMATE OF QUANTITIES

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	D1	D9

201.0007.0000 - CLEARING

SHEET	STATION FROM	STATION TO	OFFSET	AREA (SY)	REMARKS
F3	354+15	354+60	LT	11	
	355+20	355+40	RT	5	
F4	355+40	355+95	RT	12	
F5	363+65	364+05	RT	9	
F7	380+70	381+40	RT	17	
F8	381+40	382+65	RT	30	
	384+30	386+55	LT	50	
	384+35	384+60	RT	6	
F9	387+50	388+15	LT	15	
	389+15	389+75	LT	14	
	391+00	391+80	LT	18	
F10	391+80	393+10	LT	29	
		TOTAL:		216	

202.0002.0000 - REMOVAL OF PAVEMENT

SHEET	STATION FROM	STATION TO	OFFSET	AREA (SY)	REMARKS
F2	345+41	345+63	RT	18	ASPHALT PATHWAY
	345+80	345+89	RT	4	ASPHALT PATHWAY
	346+24	346+39	RT	18	ASPHALT PATHWAY
	347+08	347+40	RT	31	ASPHALT PATHWAY
	347+90	348+02	RT	12	ASPHALT PATHWAY
F3	352+25	352+35	RT	9	ASPHALT PATHWAY
	353+39	353+46	RT	2	CENTER MEDIAN
	353+41	353+52	RT	12	ASPHALT PATHWAY
	354+61	355+40	RT	84	ASPHALT PATHWAY
F4	355+40	355+44	RT	5	ASPHALT PATHWAY
	359+02	359+05	RT	1	CENTER MEDIAN
F5	365+13	365+80	LT/RT	418	
	365+19	365+49	RT	34	ASPHALT PATHWAY
F6	365+80	369+23	LT/RT	2,048	
	368+41	369+23	LT/RT	101	CENTER MEDIAN
	368+94	369+15	RT	20	ASPHALT PATHWAY
F7	377+22	381+40	LT/RT	421	CENTER MEDIAN
F8	381+40	383+24	LT/RT	86	CENTER MEDIAN
	383+16	383+18	RT	3	ASPHALT PATHWAY
	383+92	384+72	RT	78	ASPHALT PATHWAY
	386+57	386+60	RT	3	ASPHALT PATHWAY
F9	386+60	386+67	RT	6	ASPHALT PATHWAY
	387+35	387+58	RT	20	ASPHALT PATHWAY
	389+50	391+80	LT	803	
	389+81	389+91	RT	9	ASPHALT PATHWAY
F10	391+80	393+50	LT	594	
			TOTAL:	4,840	
			PAY ITEM QUANTITY:	4,850	

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SUMMARY TABLES

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	D2	D9

202.0003.0000 - REMOVAL OF SIDEWALK

SHEET	STATION FROM	STATION TO	OFFSET	AREA (SY)	REMARKS
F1	341+54	341+73	LT	18	
	341+90	342+01	LT	20	
	342+33	342+54	LT	21	
	344+58	344+63	LT	4	
F2	345+48	345+60	RT	9	
	345+71	345+86	RT	11	
	346+29	346+43	LT	11	
	346+36	346+46	RT	12	
	346+92	347+26	LT	31	
	347+03	347+19	LT	15	
	347+14	347+28	RT	10	
	347+99	348+21	RT	22	
F3	352+31	352+53	RT	20	
	353+21	353+42	RT	17	
F4	357+51	357+82	LT	42	
F5	360+99	361+08	LT	5	
	364+31	364+59	LT	24	
	365+26	365+42	RT	8	
	365+27	365+45	LT	16	
F7	380+27	380+37	LT	7	
F8	383+17	383+47	LT	31	
	383+18	383+45	RT	35	
	383+85	384+18	LT	37	
	383+94	384+15	RT	14	
F9	386+60	386+78	LT	9	
	386+67	386+84	RT	11	
	387+25	387+39	RT	11	
	387+26	387+44	LT	9	
	388+48	388+53	LT	3	
	389+89	390+07	LT	8	
	389+89	390+07	RT	12	
	390+56	390+74	LT	9	
	390+60	390+80	RT	12	
F10	393+17	393+35	LT	9	
	393+83	394+01	LT	9	
		TOTAL:		542	
		PAY ITEM QUANTITY:		550	

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SUMMARY TABLES

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	D3	D9

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202.0009.0000, 609.0002.0001 - CURB AND GUTTER SUMMARY

SHEET	FROM		TO		202.0009.0000 REMOVAL OF CURB AND GUTTER (LF)	609.0002.0001 CURB AND GUTTER, TYPE 1 (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET			
F1	342+00	LT	342+00	LT	20	20	
	342+33	LT	342+51	LT	32	32	
F2	345+49	RT	345+60	RT	17	17	
	345+67	RT	345+82	RT	25	25	
	346+33	LT	346+44	LT	21	21	
	346+40	RT	346+47	RT	24	24	
	346+92	LT	347+22	LT	47	47	
	347+17	RT	347+19	LT	40	40	SEE MEDIAN NOSE DETAIL
	347+07	RT	347+34	RT	39	39	
	347+96	RT	348+25	RT	32	32	
	349+07	LT	349+40	LT	35	35	
F3	352+27	RT	352+56	RT	33	33	
	353+18	RT	353+55	RT	43	43	
	353+45	RT	353+46	RT	20	20	SEE MEDIAN NOSE DETAIL
F4	357+54	LT	357+72	LT	25	25	
	359+05	RT	359+05	RT	11	11	SEE MEDIAN NOSE DETAIL
F5	364+52	LT	364+62	LT	18	18	
	365+22	RT	365+42	RT	21	21	
	365+27	LT	365+41	LT	19	19	
F6	367+60	LT	367+72	LT	12	12	
	369+23	RT	369+23	LT	171	171	SEE MEDIAN NOSE DETAIL
F7	380+27	LT	380+69	LT	40	40	
F8	383+18	LT	383+48	LT	47	47	
	383+18	RT	383+46	RT	40	40	
	383+85	LT	384+18	LT	47	47	
	383+91	RT	384+23	RT	48	48	
	386+59	LT	386+60	LT	2	2	
F9	386+60	LT	386+81	LT	26	26	
	386+63	RT	386+84	RT	24	24	
	387+23	LT	387+38	LT	19	19	
	387+24	RT	387+58	RT	44	44	
	389+81	RT	390+07	RT	31	31	
	389+85	LT	390+09	LT	28	28	
	390+55	LT	390+70	LT	18	18	
	390+57	RT	390+84	RT	35	35	
F10	393+18	LT	393+39	LT	27	27	
	393+81	LT	394+00	LT	24	24	
				TOTAL:	1,205	1,205	
				PAY ITEM QUANTITY:	1,250	1,250	

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SUMMARY TABLES

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	D4	D9

202.2013.0000 - REMOVE FUGITIVE MATERIALS

SHEET	FROM		TO		LENGTH (FT)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F2	345+66	RT	346+40	RT	114	
	347+32	LT	349+71	LT	255	
	349+53	RT	350+20	RT	65	
F3	350+20	RT	351+96	RT	170	
	350+49	LT	352+32	LT	195	
	353+55	RT	353+86	RT	30	
	353+63	LT	355+40	LT	183	
	354+15	RT	355+40	RT	121	
F4	355+40	LT	356+82	LT	147	
	355+40	RT	358+17	RT	268	
	357+82	LT	358+60	LT	81	
	358+62	RT	360+60	RT	191	
	359+56	LT	359+77	LT	22	
	359+85	LT	360+60	LT	78	
F5	360+60	LT	360+66	LT	7	
	360+60	RT	361+66	RT	103	
	360+74	LT	361+09	LT	38	
	361+75	LT	362+66	LT	93	
	362+11	RT	362+96	RT	85	
	363+37	RT	363+94	RT	57	
	363+48	LT	364+53	LT	110	
	365+47	LT	365+80	LT	33	
F6	365+80	LT	367+60	LT	180	
	368+57	LT	369+23	LT	63	
F7	377+11	LT	378+85	LT	167	
F8	384+15	LT	386+59	LT	244	
F9	387+38	LT	389+85	LT	247	
	390+70	LT	391+80	LT	110	
	390+84	RT	391+80	RT	96	
F10	391+80	RT	393+00	RT	120	
	391+80	LT	393+18	LT	138	
	393+41	RT	394+98	RT	158	
	394+00	LT	394+35	LT	36	
	395+40	RT	396+10	RT	70	
				TOTAL:	4,075	
				PAY ITEM QUANTITY:	4,100	

202.2023.0000 - PAVEMENT PLANING

SHEET	STATION		PAVEMENT PLANING (SY)	REMARKS
	FROM	TO		
F1	341+28	345+00	2,945	
F2	345+00	350+20	4,327	
F3	350+20	355+40	4,000	
F4	355+40	360+60	3,231	
F5	360+60	365+13	3,324	
F7	377+11	381+40	2,411	
F8	381+40	386+60	3,485	
F9	386+60	391+80	3,151	
F10	391+80	396+28	2,519	
		TOTAL:	29,393	
		PAY ITEM QUANTITY:	29,400	

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SUMMARY TABLES

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	D5	D9

604 ITEMS - STRUCTURE SUMMARY

SHEET	STATION	OFFSET	604.0004.0000 ADJUST EXISTING MANHOLE (EA)	604.0016.0000 ADJUST INLET FRAME AND GRATE (EA)	REMARKS
F1	343+11	17 LT	X		STORM DRAIN
	343+16	1 LT	X		STORM DRAIN
	343+61	36 RT	X		STORM DRAIN
F2	346+02	11 RT	X		STORM DRAIN
	346+70	9 RT	X		SANITARY SEWER
	346+74	27 LT	X		STORM DRAIN
	348+32	10 LT	X		SANITARY SEWER
	348+55	52 RT	X		STORM DRAIN
	349+23	33 LT	X		SANITARY SEWER
F3	353+47	44 RT	X		FIBER OPTIC
F4	358+04	23 RT	X		SANITARY SEWER
	358+92	15 RT	X		STORM DRAIN
	358+97	1 LT	X		STORM DRAIN
	360+26	28 RT	X		STORM DRAIN
F5	363+30	2 LT	X		STORM DRAIN
	363+89	20 RT	X		SANITARY SEWER
F6	367+46	19 RT	X		SANITARY SEWER
F8	383+66	1 LT	X		STORM DRAIN
	384+20	34 RT		X	
F9	387+07	3 LT	X		STORM DRAIN
	387+41	36 RT		X	
	390+27	3 LT	X		STORM DRAIN
F10	393+48	11 LT	X		SANITARY SEWER
	393+62	3 LT	X		STORM DRAIN
	395+48	3 RT	X		STORM DRAIN
		PAY ITEM QUANTITY:	23	2	

608.0001.0004 - CONCRETE SIDEWALK, 4 INCHES THICK

SHEET	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	WIDTH (LF)	AREA (SY)	REMARKS
F1	341+54	LT	341+73	LT		18	
	342+41	LT	342+54	LT		9	
	344+58	LT	344+63	LT		4	
F2	346+38	LT	346+43	LT		1	
	347+17	LT	347+26	LT		6	
	347+09	RT	347+39	RT		23	
F5	360+99	LT	361+08	LT		5	
	364+31	LT	364+38	LT		6	
	365+22	RT	365+46	RT		27	
	365+39	LT	365+45	LT		3	
F7	380+27	LT	380+37	LT		7	
F8	383+17	LT	383+20	LT		2	
	383+18	RT	383+45	RT		26	
	383+92	RT	384+17	RT		21	
F9	388+48	LT	388+53	LT		3	
	389+99	RT	390+07	RT		4	
				TOTAL:		165	
				PAY ITEM QUANTITY:		165	

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	D6	D9

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608.0006.0000 - CURB RAMP

SHEET	STATION	OFFSET	QUANTITY	TYPE	ASP	DETAIL	REMARKS
F1	342+02	LT	1	*PARALLEL	X		
	342+36	LT	1	*PARALLEL	X		
F2	345+55	RT	1	*PARALLEL	X		
	345+75	RT	1	PERPENDICULAR		X	SEE PERPENDICULAR CURB RAMP DETAIL, RAMP WIDTH 10.0', NO FLARES
	346+38	LT	1	*PARALLEL	X		
	346+46	RT	1	PERPENDICULAR		X	SEE PERPENDICULAR CURB RAMP DETAIL, RAMP WIDTH 10.3', NO FLARES
	346+98	LT	1	*PARALLEL	X		
	347+09	LT	1	*PARALLEL	X		
	347+14	RT	1	PERPENDICULAR		X	SEE PERPENDICULAR CURB RAMP DETAIL
	347+25	RT	1	PERPENDICULAR		X	SEE PERPENDICULAR CURB RAMP DETAIL
	348+20	RT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=38.0', CHORD LENGTH=17.0'
F3	352+52	RT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=39.0', CHORD LENGTH=13.7'
	353+21	RT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=34.0', CHORD LENGTH=14.2'
F4	357+57	LT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=30.0', CHORD LENGTH=9.0'
F5	364+58	LT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=50.0', CHORD LENGTH=9.5'
	365+32	LT	1	*PARALLEL	X		
	365+34	RT	1	PERPENDICULAR		X	SEE PERPENDICULAR CURB RAMP DETAIL
F8	383+25	RT	1	PERPENDICULAR		X	SEE PERPENDICULAR CURB RAMP DETAIL
	383+29	LT	1	*PARALLEL	X		
	383+38	RT	1	PERPENDICULAR		X	SEE PERPENDICULAR CURB RAMP DETAIL
	383+43	LT	1	*PARALLEL	X		
	383+90	LT	1	*PARALLEL	X		
	383+96	RT	1	PERPENDICULAR		X	SEE PERPENDICULAR CURB RAMP DETAIL
	384+05	LT	1	*PARALLEL	X		
	384+07	RT	1	PERPENDICULAR		X	SEE PERPENDICULAR CURB RAMP DETAIL
F9	386+77	LT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=30.0', CHORD LENGTH=7.7'
	386+83	RT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=30.0', CHORD LENGTH=13.5'
	387+26	LT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=30.0', CHORD LENGTH=7.7'
	387+29	RT	1	*PARALLEL	X		
	389+94	RT	1	*PARALLEL	X		
	390+07	LT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=30.0', CHORD LENGTH=7.6'
	390+56	LT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=30.0', CHORD LENGTH=7.7'
	390+60	RT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=30.0', CHORD LENGTH=7.8'
F10	393+35	LT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=29.0', CHORD LENGTH=7.5'
	393+83	LT	1	DIRECTIONAL		X	SEE DIRECTIONAL CURB RAMP DETAIL, DWT RADIUS=30.0', CHORD LENGTH=7.4'
		TOTAL:	35				
		PAY ITEM QUANTITY (EA):	35				

* REFERENCE POINT AT TOP BACK OF CURB, MIDPOINT OF CURB RAMP

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SUMMARY TABLES

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	D7	D9

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

SCALE NTS

DATE TIME 8/12/2025 1:25 PM

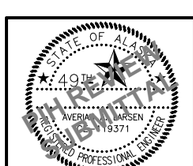
DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_D01-D09_SUM.DWG BY AANDREWS

608.2002.0000 - ASPHALT PATHWAY

SHEET	FROM		TO		WIDTH (LF)	QUANTITY (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET			
F2	345+41	RT	345+49	RT		3	
	345+80	RT	345+89	RT		3	
	346+24	RT	346+39	RT		17	
	347+08	RT	347+17	RT		2	
	347+33	RT	347+40	RT		3	
	347+90	RT	347+92	RT		2	
F3	352+25	RT	352+27	RT		3	
	353+49	RT	353+52	RT		3	
	354+61	RT	355+40	RT		84	
F4	355+40	RT	355+44	RT		5	
F5	365+19	RT	365+22	RT		4	
	365+45	RT	365+49	RT		5	
F6	368+94	RT	369+15	RT		25	
F8	383+16	RT	383+18	RT		3	
	383+95	RT	384+05	RT		2	
	384+16	RT	384+72	RT		55	
	386+57	RT	386+59	RT		2	
F9	387+35	RT	387+58	RT		20	
	389+81	RT	389+85	RT		4	
				TOTAL:		245	
				PAY ITEM QUANTITY (TON):		28	

608.2004.0000 - ASPHALT MEDIANS

SHEET	FROM		TO		QUANTITY (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F3	353+39	RT	353+46	RT	2	
F4	359+02	RT	359+05	RT	1	
F6	368+41	LT	369+23	LT/RT	101	
F7	377+22	RT	381+40	LT/RT	421	
F8	381+40	LT/RT	383+24	LT	86	
				TOTAL:	611	
				PAY ITEM QUANTITY (TON):	70	



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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SUMMARY TABLES

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	D8	D9

608.2017.0000 - DETECTABLE WARNING TILE CONCRETE LANDING

SHEET	STATION	OFFSET	WIDTH (FT)	REMARKS
F2	347+11	RT	6	SEE DETECTABLE WARNING TILE CONCRETE LANDING DETAIL, MEDIAN CROSSING, DWT RADIUS=52.0', CHORD LENGTH=6.6'
	347+12	LT	6	SEE DETECTABLE WARNING TILE CONCRETE LANDING DETAIL, MEDIAN CROSSING
TOTAL:			2	
PAY ITEM QUANTITY (EA):			2	

627.0010.0000 - ADJUSTMENT OF VALVE BOX

SHEET	STATION	OFFSET	REMARKS
F4	358+90	20 LT	
	360+15	10 LT	
F5	364+24	27 LT	
	364+31	28 LT	
F8	384+13	41 RT	
F9	388+51	41 LT	
	390+37	42 LT	
	390+42	45 LT	
	390+43	47 RT	
	390+48	42 LT	
F10	395+26	30 RT	
	395+36	31 RT	
	395+42	38 LT	
	395+45	31 RT	
	395+62	32 RT	
PAY ITEM QUANTITY (EA):		15	

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

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			ALASKA	0506007/CFHWY01010	2025	D9	D9

639.2000.0000 APPROACH

SHEET	STATION	OFFSET	SKEW ANGLE (90 TYP.)	TYPE: PUB	TYPE: RES	TYPE: COM	WIDTH (FT)	LENGTH (FT)	REMARKS
F1	342+27	LT	71	X			32	41	BRAYTON DR
F2	345+04	RT	21	X			21	90	SEWARD HWY NORTHBOUND ON RAMP
	346+68	LT	90	X			42	41	SANDLEWOOD PL
	346+75	RT	90	X			56	41	BRAYTON DR
	348+58	RT	90	X			41	38	ERIN ST
F3	352+90	RT	90	X			44	47	CORBIN DR
	352+95	LT	90	X			61	42	E DIMOND BLVD
F4	357+36	LT	90	X			32	22	E 85TH CT
	359+14	LT	90			X	91	4	
F5	361+41	LT	90			X	76	4	
	364+89	LT	90	X			51	35	E 88TH AVE
F6	368+11	LT	90			X	69	4	
F7	379+09	LT	90			X	48	4	
	380+19	RT	90			X	62	4	
F8	383+66	LT	90	X			36	36	TOLOFF ST
	383+69	RT	90	X			42	38	INDEPENDENCE DR
F9	387+02	LT	90	X			29	33	ELIM ST
	387+06	RT	90			X	35	18	
	390+31	LT	90	X			32	24	GOLOVIN ST
	390+32	RT	90			X	47	16	
F10	393+21	RT	90			X	38	4	
	393+59	LT	90	X			31	33	ARLON ST
	395+18	RT	90			X	34	4	
		TOTAL:	23						
		PAY ITEM QUANTITY (EA):	23						

642.0011.0000 - ADJUST EXISTING MONUMENT CASE

SHEET	STATION	OFFSET	REMARKS
F2	347+18	0 RT	
F3	350+74	0 RT	
F5	361+94	0 RT	
	364+90	0 LT	
F6	367+61	0 RT	
F8	383+39	0 RT	
	383+69	0 RT	
F10	393+58	0 RT	
	TOTAL:	8	
	PAY ITEM QUANTITY (EA):	8	

660.2004.0000 - ADJUST JUNCTION BOX

SHEET	STATION	OFFSET	REMARKS
F3	352+48	52 RT	TYPE 2
	353+43	51 RT	TYPE 2
	353+45	6 RT	TYPE 1A
F5	365+25	38 RT	TYPE 2
	365+41	40 LT	TYPE 1A
F8	383+44	51 LT	TYPE 2
	384+09	52 RT	TYPE 2
F9	386+70	39 LT	TYPE 1A
	TOTAL:	8	
	PAY ITEM QUANTITY (EA):	8	

PIH REVIEW SUBMITTAL

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SUMMARY TABLES

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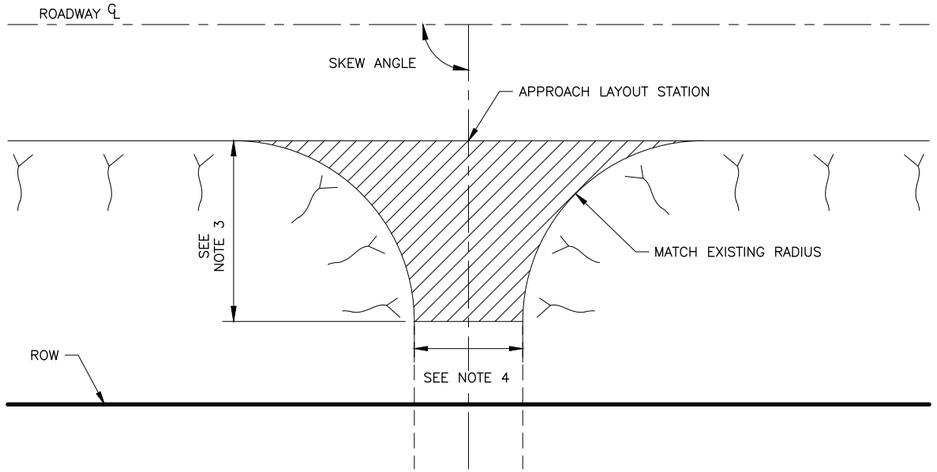
SCALE NTS
DATE 8/12/2025 TIME 1:25 PM
DRAWING LOCATION H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_D01-D09_SUM.DWG BY AANDREWS

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	E1	E5

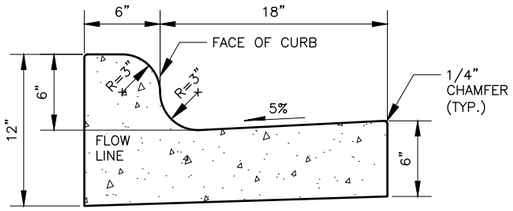


PLAN VIEW FOR APPROACHES

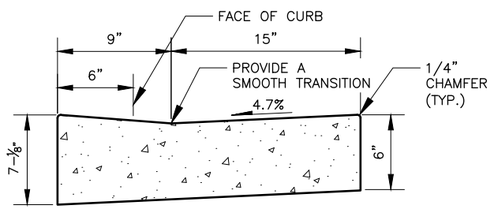
NTS

NOTES:

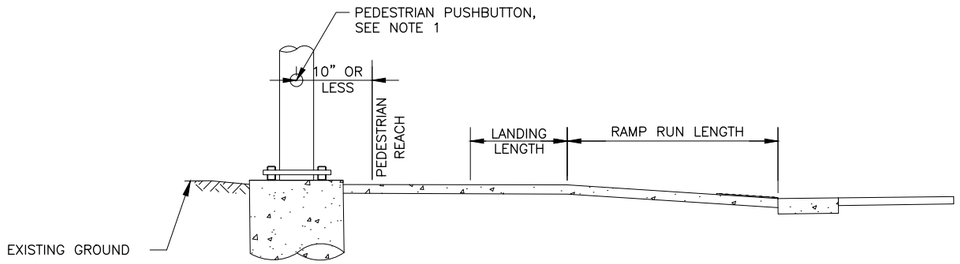
1. PEDESTRIAN PUSHBUTTON HEIGHT SHOULD BE 42 INCHES ABOVE THE CLEAR SPACE SURFACE IN NEW CONSTRUCTION, BUT MAY BE UP TO 46 INCHES IN A CURB RAMP RETROFIT. ADJUST PEDESTRIAN PUSHBUTTON HEIGHT IF CURB RAMP RECONSTRUCTION RESULTS IN PUSHBUTTON HEIGHTS ABOVE 46 INCHES OR BELOW 36 INCHES. RELOCATION AND ADJUSTMENT OF PEDESTRIAN PUSHBUTTON HEIGHT IS SUBSIDIARY TO BID ITEM 608.0006.0000 CURB RAMPS.
2. APPROACH PAVEMENT SHALL BE REMOVED AND NOT PLANED UNLESS APPROVED BY THE ENGINEER.
3. REMOVE PAVEMENT ON APPROACHES TO LENGTH SPECIFIED IN PLANS. REGRADE BASE COURSE AND PAVE APPROACH TO MATCH EXISTING PAVEMENT THICKNESS OR AS DIRECTED BY THE ENGINEER.
4. MATCH EXISTING WIDTH OR AS DIRECTED BY THE ENGINEER.
5. REMOVE AND CONSTRUCT SIDEWALK AND CURB AND GUTTER TO NEAREST EXISTING JOINT.
6. CONSTRUCT CURB AND GUTTER TO MATCH EXISTING CURB AND GUTTER LOCATION, RADII AND TYPE.
7. USE THE ADA CURB & GUTTER FOR ALL CURB RAMPS.
8. ALL CURB AND GUTTER WORK AND PLACEMENT OF MATERIALS TO TOP OF FIRST LIFT OF 2" HMA, TYPE VH MUST BE COMPLETED PRIOR TO PAVEMENT PLANING.
9. WHERE SIDEWALK IS REMOVED AND NO SIDEWALK OR RAMP ARE TO BE CONSTRUCTED, REGRADE AS NECESSARY TO PROVIDE POSITIVE DRAINAGE AND PLACE 4" TOPSOIL AND SOD.



6" MOUNTABLE CURB & GUTTER

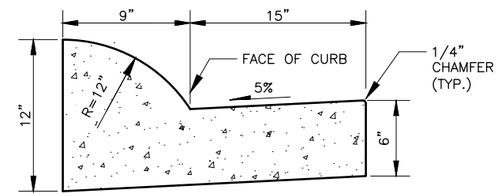


ADA CURB & GUTTER

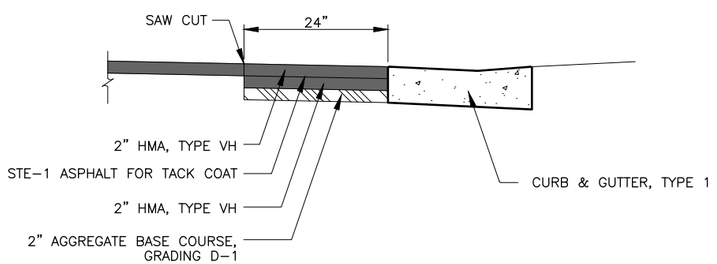


PEDESTRIAN PUSHBUTTON ACCESS

NTS



EXPRESSWAY CURB & GUTTER



CURB AND GUTTER INSTALLATION

NTS

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

DETAILS

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

SCALE NTS

DATE TIME 8/12/2025 1:26 PM

DRAWING LOCATION
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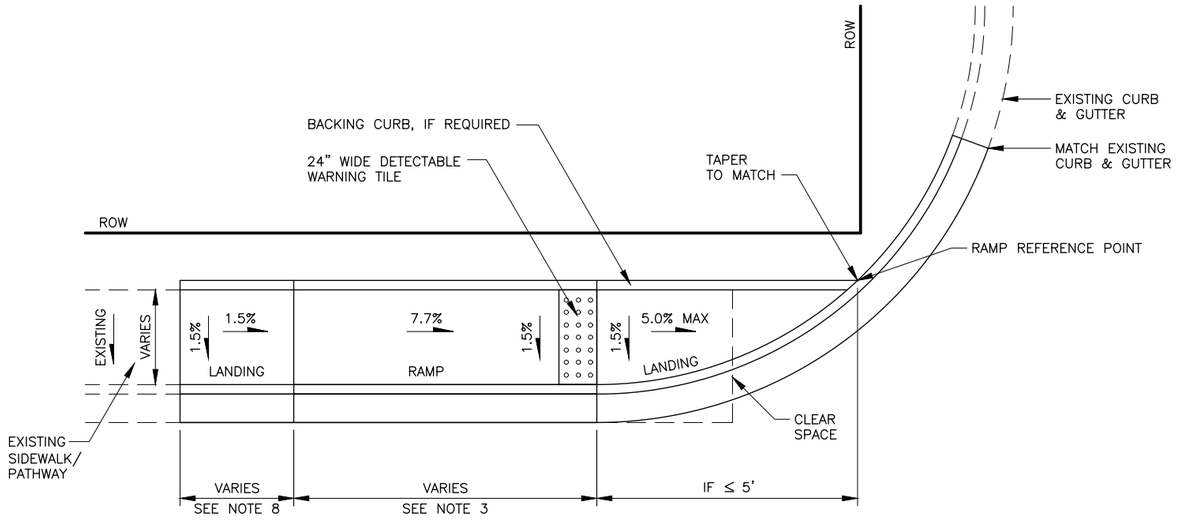
NO.	DATE	REVISION

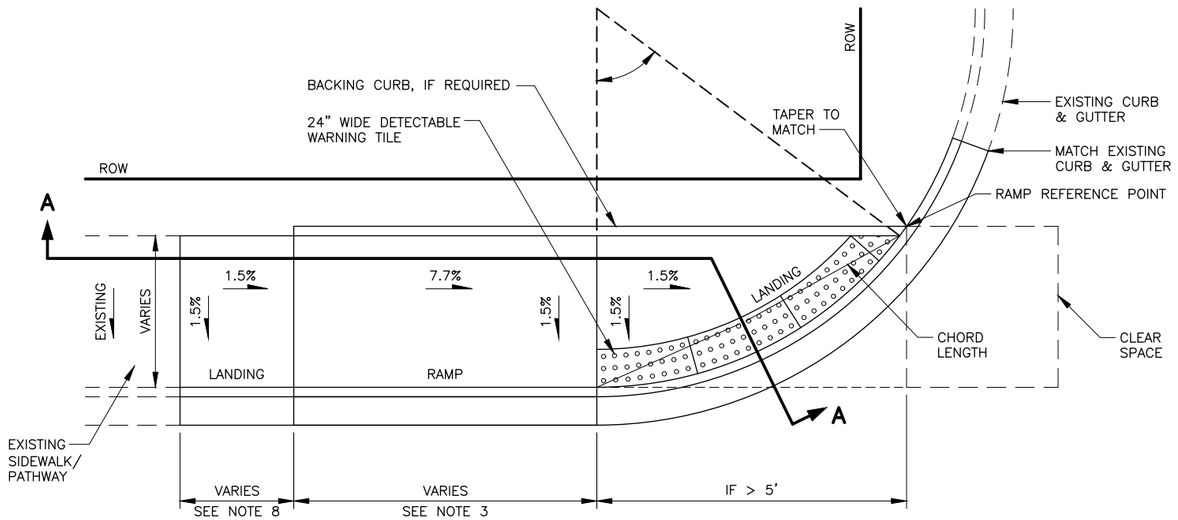
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	E2	E5



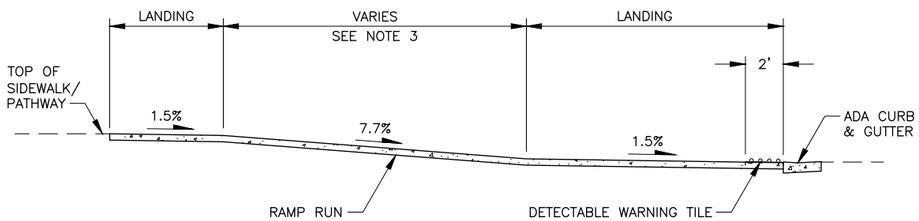
NARROW SIDEWALK DIRECTIONAL RAMP

CONSTRUCTION NOTES:

1. SEE PLANS FOR RAMP TYPE AT SPECIFIC LOCATION. SEE STRIPING PLANS FOR CROSSWALK LAYOUT.
2. CONSTRUCT RAMP RUNS AND LANDINGS FOR ALL CURB RAMPS (PARALLEL, PERPENDICULAR, DIRECTIONAL) OF 6" THICK (MIN.) CONCRETE, REGARDLESS OF WHETHER THE SIDEWALK IS ASPHALT OR CONCRETE.
3. CONSTRUCT RAMP SLOPES AT 7.7% (5.0% MIN. AND 8.3% MAX.). IF SITE CONDITIONS WARRANT IT, RAMP LENGTHS SHOULD BE INCREASED TO KEEP GRADES UNDER THE 8.3% MAXIMUM, BUT ARE NOT REQUIRED TO EXCEED 15'. THE RESULTING RAMP GRADE AT A 15' RAMP LENGTH IS ACCEPTABLE EVEN IF IT EXCEEDS 8.3%.
4. CONSTRUCT SIDEWALK CROSS-SLOPES AT 1.5% (1.0% MIN. AND 2.0% MAX.).
5. CONSTRUCT GRADE BREAKS PERPENDICULAR TO RAMP RUNS.
6. PROVIDE A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE CURB ON RAMP RUNS AND UPPER LANDINGS AND PARALLEL TO THE CURB ON LOWER LANDINGS.
7. INSTALL 24" DETECTABLE WARNING TILES FOR THE FULL WIDTH OF THE RAMP. ALIGN TRUNCATED DOME PATTERN IN THE PREDOMINANT DIRECTION OF WHEELCHAIR TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
8. LENGTH OF LANDING:
   A. IF A CONSTRAINT EXISTS AT BACK OF SIDEWALK THAT INHIBITS TURNING, LENGTH OF LANDING IS 60".
   B. IF NO CONSTRAINT EXISTS, LENGTH OF LANDING IS 48".



WIDE SIDEWALK DIRECTIONAL RAMP



SECTION A-A

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

DIRECTIONAL CURB RAMP DETAIL

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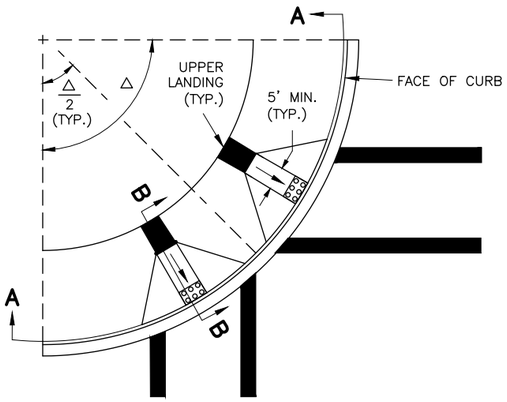
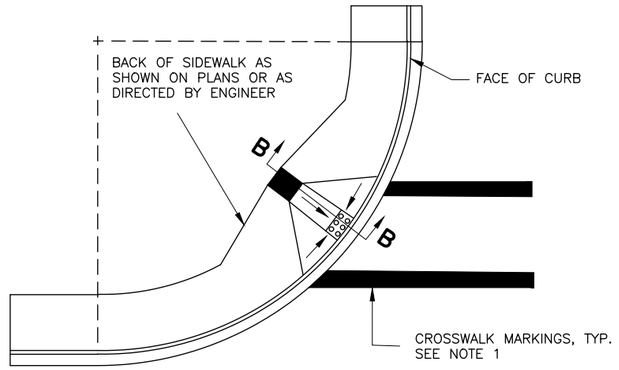
ALASKA	0506007/CFHWY01010	2025	E3	E5

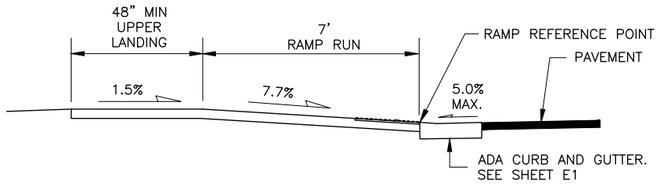


TWO CROSSING DIRECTIONS
AT CORNER

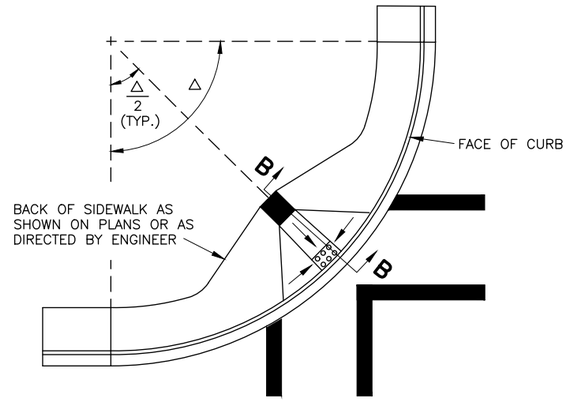


ONE CROSSING DIRECTION
AT CORNER

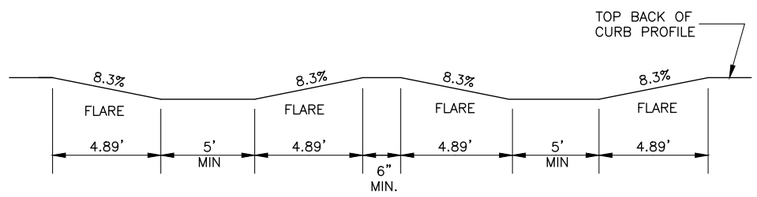
= DETECTABLE WARNING TILE SEE NOTE 9



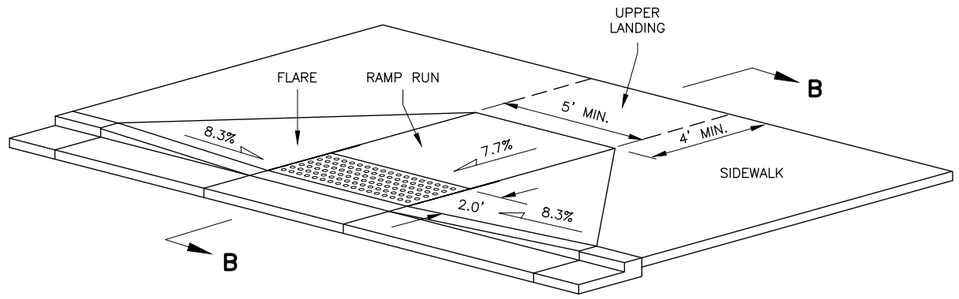
SECTION B–B



ONE RAMP – TWO DIRECTIONS
AT CORNER



PROFILE A–A



MID–BLOCK

CONSTRUCTION NOTES:

1. SEE PLANS FOR RAMP TYPE AT SPECIFIC LOCATIONS. SEE STRIPING PLANS FOR CROSSWALK LAYOUTS.
2. CONSTRUCT RAMP RUNS PERPENDICULAR TO THE CURB FACE.
3. CONSTRUCT RAMP RUNS, FLARES, AND UPPER LANDINGS OF CONCRETE, REGARDLESS OF WHETHER THE SIDEWALK IS ASPHALT OR CONCRETE.
4. RAMP RUN AND FLARE LENGTHS ARE SHOWN FOR A FLAT SIDEWALK GRADE. FOR OTHER SIDEWALK GRADES, INCREASE OR DECREASE RAMP AND FLARE LENGTHS TO MAINTAIN THE SLOPES SHOWN.
5. CONSTRUCT RAMP SLOPES AT A NOMINAL 7.7% GRADE, OR FLATTER. RAMPS SLOPES MAY BE INCREASED TO A MAXIMUM OF 8.3% WHEN SITE CONDITIONS WARRANT IT. RAMP LENGTHS SHOULD BE INCREASED TO KEEP GRADES UNDER THE 8.3% MAXIMUM, BUT ARE NOT REQUIRED TO EXCEED 15.0 FEET. THE RESULTING RAMP GRADE AT A 15.0 FOOT RAMP LENGTH IS ACCEPTABLE EVEN IF IT EXCEEDS 8.3%.
6. CONSTRUCT FLARE SLOPES AT 8.3% (MEASURED PARALLEL TO THE CURB LINE ADJACENT TO THE TOP BACK OF CURB) OR FLATTER, AND SIDEWALK CROSS SLOPES AT A NOMINAL 1.5% (1.0% MIN., 2.0% MAX). DO NOT CONSTRUCT FLARE SLOPES STEEPER THAN 10.0%, OR SIDEWALK CROSS SLOPES STEEPER THAN 2.0%,
7. PROVIDE A COARSE BROOMED FINISH RUNNING PARALLEL TO THE CURB ON RAMP RUNS AND FLARES.
8. WHEN APPROVED BY THE ENGINEER, FLARES MAY BE REPLACED WITH A CURB AT LOCATIONS WHERE ACCESS TO THE SIDE OF A RAMP RUN IS BLOCKED BY POLES, UTILITY BOXES, OTHER OBSTRUCTIONS, OR BY A NON–ACCESSIBLE SURFACE SUCH AS A DIRT PLANTER STRIP. SEE STANDARD PLAN I–20 FOR DETAILS.
9. INSTALL 24" DETECTABLE WARNING TILES FOR THE FULL WIDTH OF THE RAMP. PROVIDE TILES WITH TRUNCATED DOMES MEETING SECTION 705.1 OF THE 2006 ADA STANDARDS FOR TRANSPORTATION FACILITIES.
10. MAXIMUM CROSS SLOPE ON UPPER LANDINGS, MEASURED IN ANY DIRECTION, IS 2.0%. MAXIMUM CROSS SLOPE ON RAMPS IS 2.0% MEASURED PERPENDICULAR TO THE RAMP RUN.
11. PROVIDE 6" MINIMUM THICK CONCRETE ON RAMPS, FLARES AND LANDINGS

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

PERPENDICULAR CURB RAMP DETAIL

DESIGNED BY ---
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DATE 8/12/2025 TIME 1:26 PM
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NO.	DATE	REVISION

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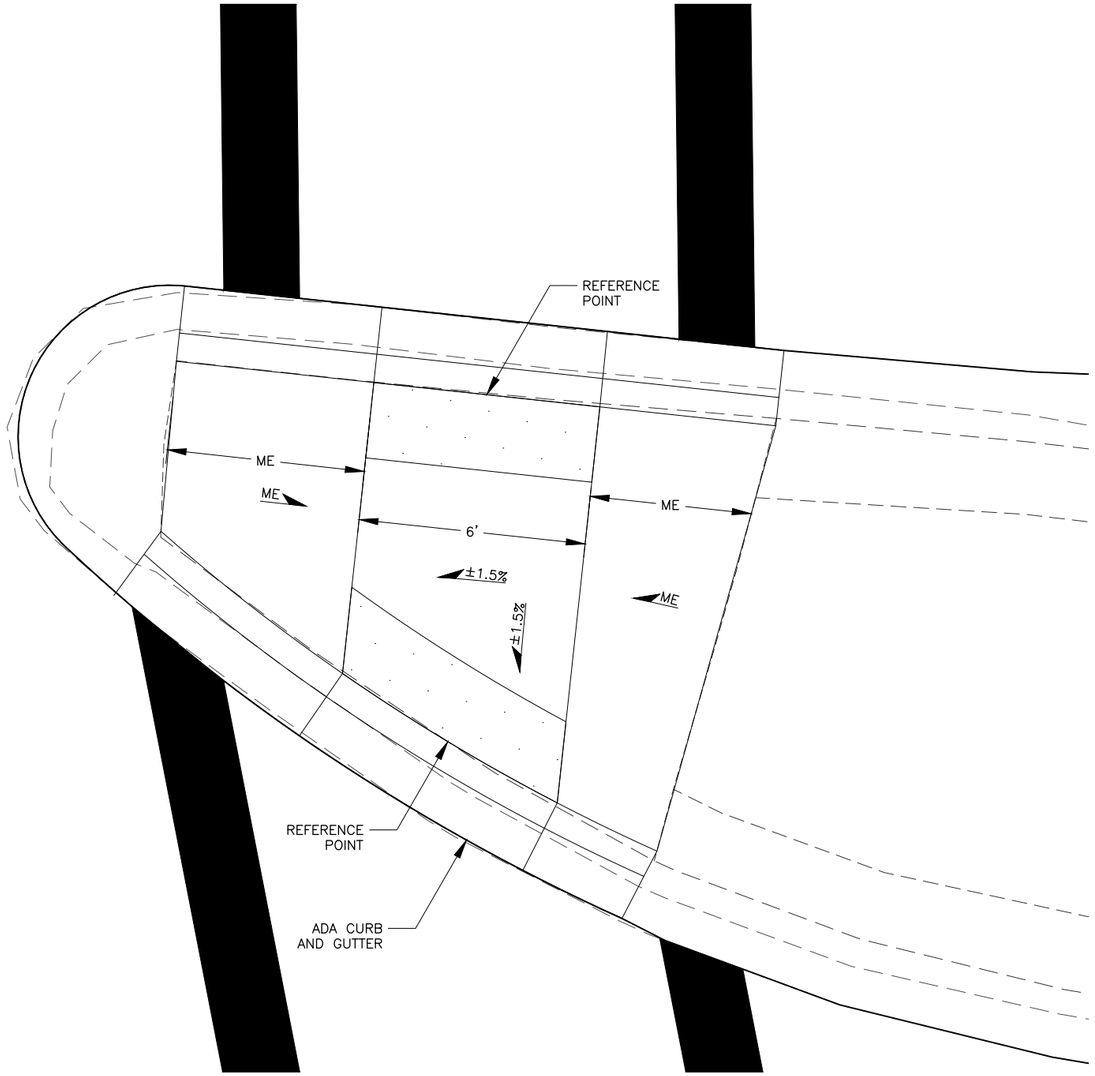
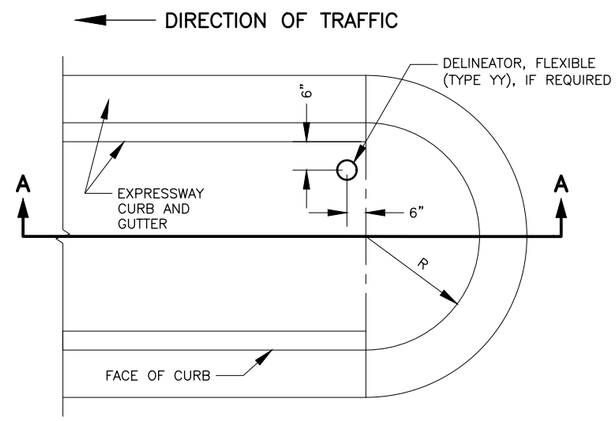
ALASKA	0506007/CFHWY01010	2025	E4	E5



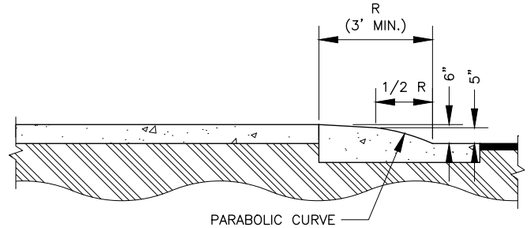
DETECTABLE WARNING TILE CONCRETE LANDING

NOTES:

1. CONSTRUCT CONCRETE LANDING USING 6" PCC.
2. PROVIDE A COARSE BROOMED FINISH ON LANDING AND FLARE SLOPES PERPENDICULAR TO THE LANDING OR FLARE SLOPE.
3. INSTALL 24" WIDE DETECTABLE WARNING TILES FOR THE WIDTH OF THE LANDING.
4. INSTALL DETECTABLE WARNING TILES WHERE SHOWN IN PLANS. DETECTABLE WARNINGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND ALIGN SUCH THAT THE TRUNCATED DOMES ARE IN LINE WITH THE DIRECTION OF PEDESTRIAN TRAVEL.



PLAN



SECTION A–A

MEDIAN NOSE

MEDIAN NOTES:

1. PAINT ALL SLOPED MEDIAN NOSES WITH YELLOW REFLECTORIZED PAINT. PAINT FOR NOSES IS SUBSIDIARY TO 670 ITEMS.
2. THE RADIUS DIMENSIONS PROVIDED IN THE PLANS ARE MEASURED TO LIP OF CURB. CONTRACTOR WILL NEED TO CALCULATE THE VALUE OF "R" FROM RADIUS DIMENSION AND CURB GEOMETRY.

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
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AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

DETAILS

DESIGNED BY
CHECKED BY
DRAFTED BY

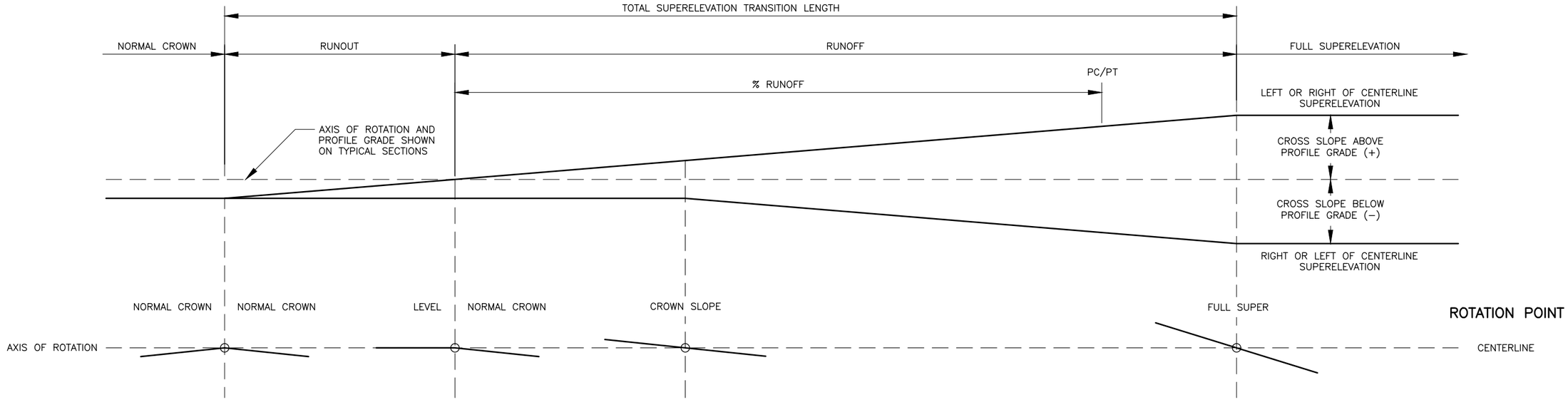
SCALE: NTS

DATE: 8/12/2025 TIME: 1:26 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCRY)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_E04.DWG BY RYARMAK

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	E5	E5



SUPERELEVATION TRANSITION

SUPERELEVATION TRANSITION TABLE (FOR TWO-LANE ROADWAYS)	
DESIGN SPEED (MPH)	Δ_{MAX}/L (%/FT)
≤ 20	0.066
25	0.060
30	0.055
35	0.051
40	0.047
45	0.044
≥ 50	0.042

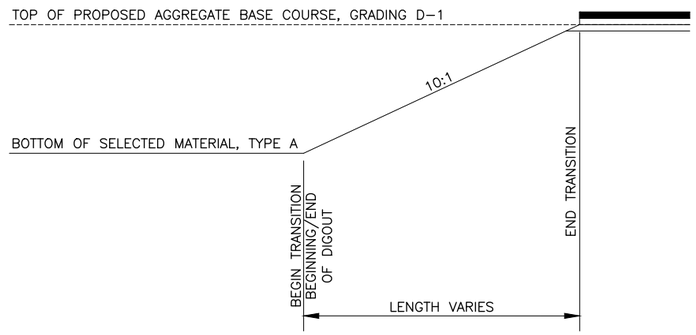
TRANSITION RATES ARE DERIVED FROM TABLE 3–16a OF THE 2018 AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (GREEN BOOK).

ADJUSTMENT FACTOR TABLE (FOR MULTI-LANE ROADWAYS)	
NUMBER OF LANES ROTATED	ADJUSTMENT FACTOR
1	1.00
1.5	0.83
2	0.75
2.5	0.70
3	0.67
3.5	0.64

ADJUSTMENT FACTORS FROM TABLE 3–15 OF THE 2018 AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (GREEN BOOK).

NOTES:

1. BUILD SUPERELEVATION INTO SUBGRADE AND CARRY THROUGH SHOULDERS.
2. % RUNOFF = PORTION OF RUNOFF ON TANGENT. % RUNOFF IS 0.67 UNLESS OTHERWISE SPECIFIED.
3. WIDENING FOR GUARDRAIL OR CURVATURE DOES NOT CHANGE THE LOCATION OF THE AXIS OF ROTATION.
4. SEE SUPERELEVATION TRANSITION TABLE FOR MAXIMUM LATERAL SLOPE TRANSITION RATES (Δ_{MAX}/L) PER LINEAR FOOT OF ROADWAY FOR A TWO–LANE ROAD.
5. TOTAL SUPERELEVATION TRANSITION LENGTH (RUNOUT PLUS RUNOFF) IS EQUAL TO ((NUMBER OF LANES ROTATED)*(TOTAL PERCENT SLOPE CHANGE)*(ADJUSTMENT FACTOR)) / (MAX LATERAL SLOPE TRANSITION RATE).



DIGOUT TRANSITION DETAIL

NTS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SUPERELEVATION AND DIGOUT TRANSITION DETAILS

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

SCALE NTS

DATE TIME 8/12/2025 1:27 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_E05_SUPER.DWG BY RYARMAK

DESIGNED BY A.A.
CHECKED BY AAL
DRAFTED BY RCY

SCALE 1" = 20'

DATE 8/12/2025 TIME 1:27 PM

DRAWING LOCATION
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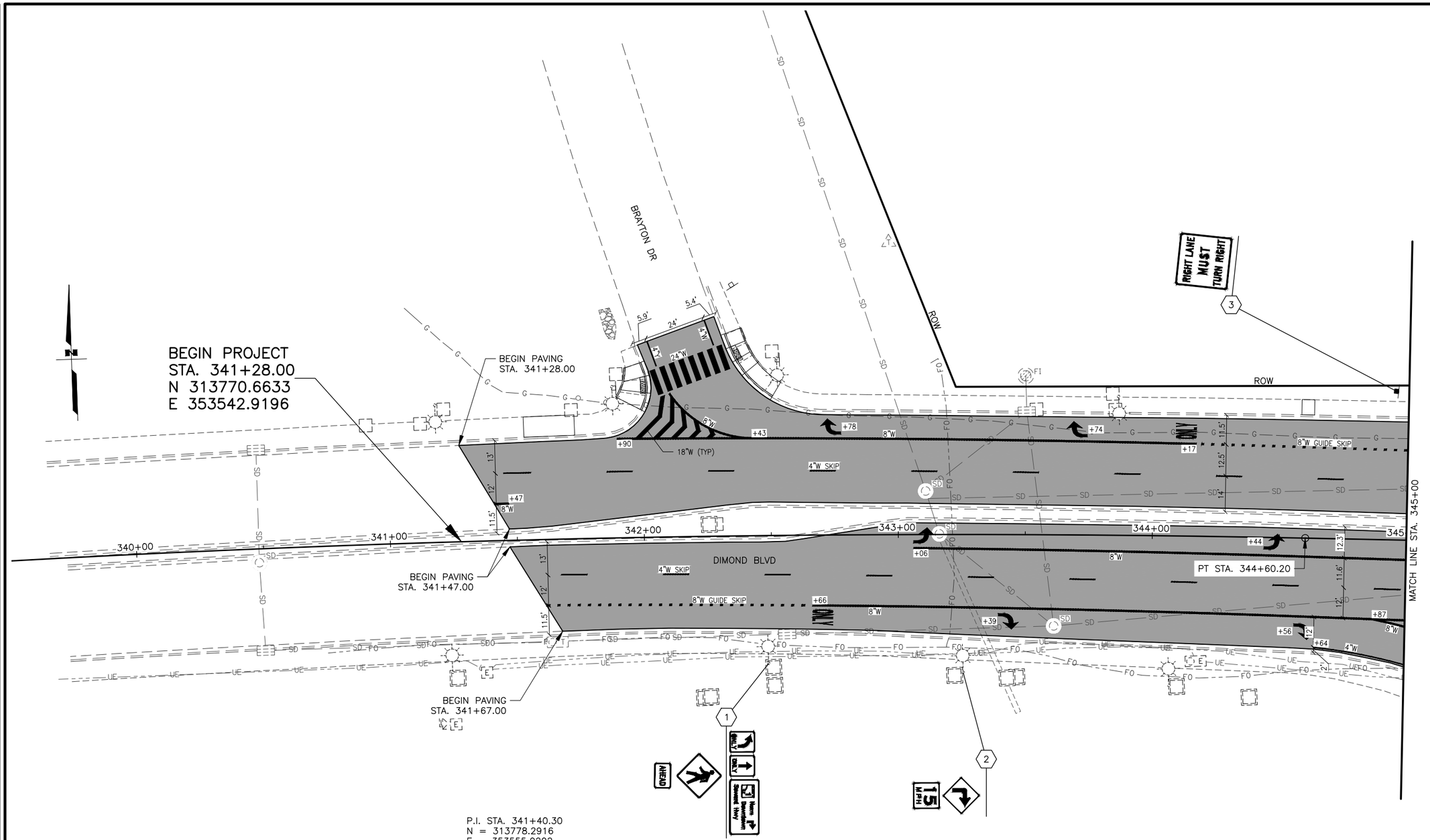

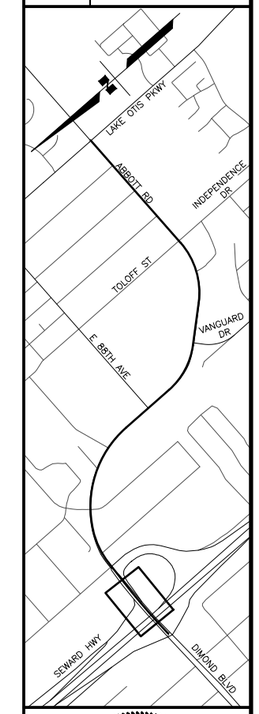

SHEET NO.	TOTAL SHEETS
F1	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0506007/
CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

PRELIMINARY SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
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AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

PLANS
BOP TO 345+00

DESIGNED BY	AJA
CHECKED BY	AAL
DRAFTED BY	RCY

SCALE: 1" = 20'

DATE: 8/12/2025 TIME: 1:27 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_F01.DWG

SHEET NO.	TOTAL SHEETS
F2	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0506007/
CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

P.I. STA. 348+98.41
N = 313737.0279
E = 354312.5030
Δ = 024°53'27.7"
T = 180.75'
L = 355.80'
R = 819.00'

MATCH LINE STA. 345+00

MATCH LINE STA. 350+20

S86°52'54.8"E

PC STA. 347+17.66

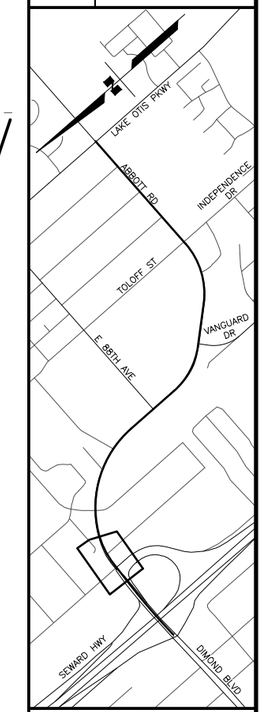
SANDLEWOOD PL

ABBOTT RD

BRAYTON DR

ERIN ST

ROW



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

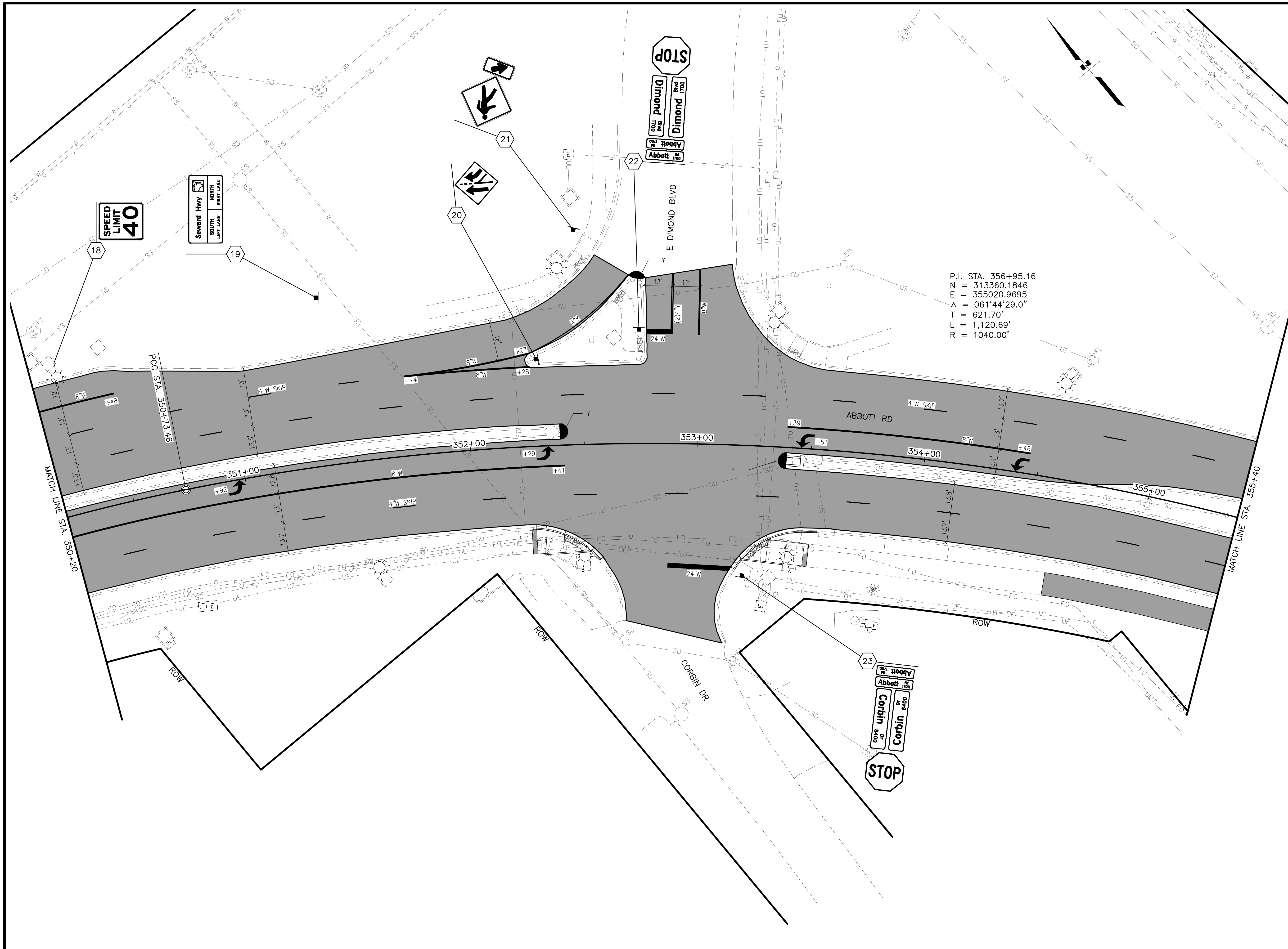
PLANS
345+00 TO 350+20

SHEET NO.	TOTAL SHEETS
F3	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0506007/ CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PIH REVIEW SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564-2120
AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

PLANS
350+20 TO 355+40

DESIGNED BY	ALA
CHECKED BY	AAL
DRAFTED BY	RCY
SCALE	1" = 20'
DATE	8/12/2025
TIME	1:27 PM

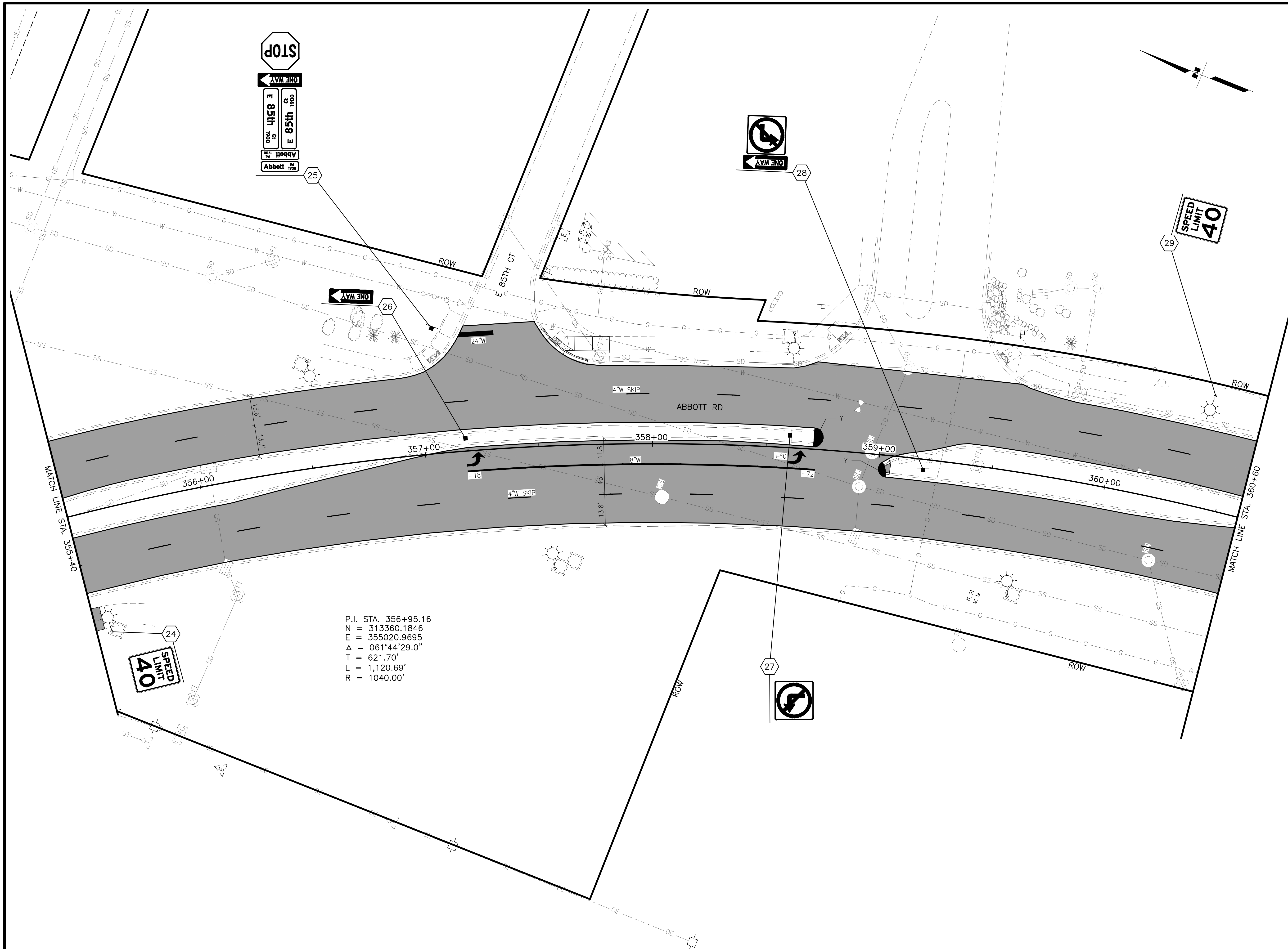
DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_F01.DWG

DRAWING LOCATION H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_F01.DWG

DATE 8/12/2025 TIME 1:27 PM

SCALE 1" = 20'

DESIGNED BY ALA
CHECKED BY AAL
DRAFTED BY RCY



SHEET NO.	TOTAL SHEETS
F4	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

0506007/
CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

PIH REVIEW SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564-2120
AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT
PRESERVATION: NEW SEWARD
HWY TO LAKE OTIS PARKWAY

PLANS
355+40 TO 360+60

DESIGNED BY A.L.A.
CHECKED BY A.M.L.
DRAFTED BY R.C.Y.

SCALE 1" = 20'

DATE 8/12/2025 TIME 1:28 PM

DRAWING LOCATION
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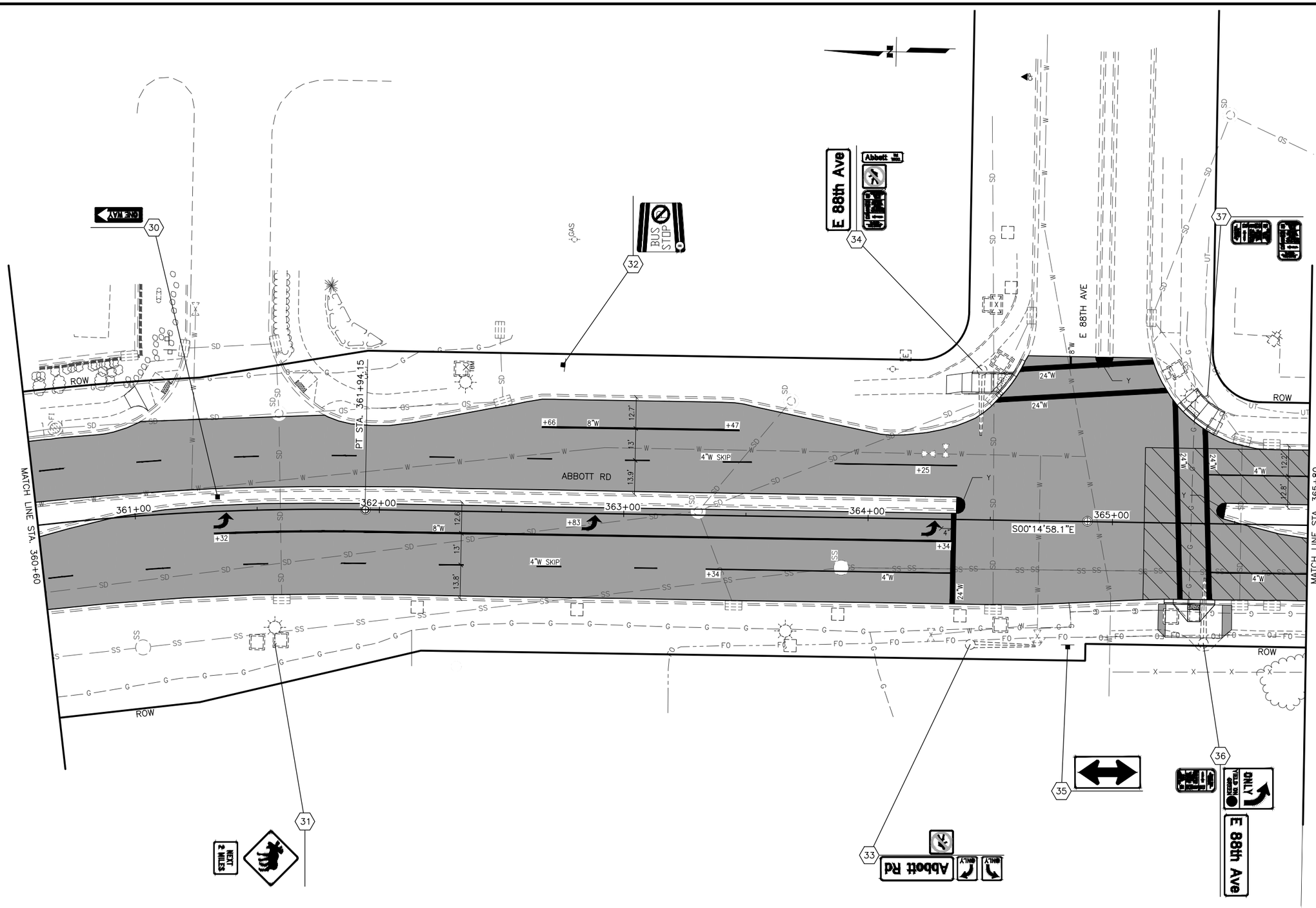

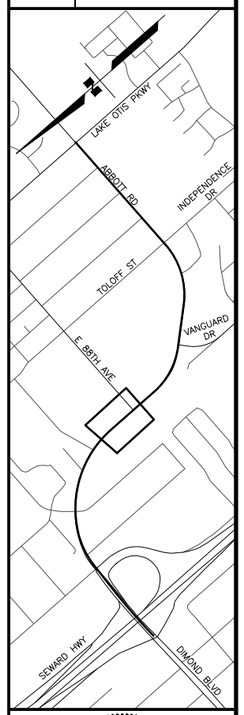

SHEET NO.	TOTAL SHEETS
F5	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0506007/
CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
49TH
AVERIAN J. LARSEN
9371
PROFESSIONAL ENGINEER
PRELIMINARY SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564-2120
AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

PLANS
360+60 TO 365+80

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

SCALE 1" = 20'

DATE 8/12/2025 TIME 1:28 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_F01.DWG

P.I. STA. 370+28.78
N = 311903.8629
E = 355027.3105
Δ = 040°54'11.2"
T = 267.90'
L = 512.84'
R = 718.37'

MATCH LINE STA. 365+80

ROW

ABBOTT RD

366+00

367+00

PC STA. 367+60.89

S00°14'58.1"E

368+00

369+00

END PAVING
STA. 369+23.00

370+00

371

MATCH LINE STA. 371+00

4"W

+39

4"W SKIP

12.1'

12.9'

+45

8"W

10.6'

12'

22.3'

+48

+60

+91

38

39

BUS STOP

SPEED LIMIT 40

MATCH LINE STA. 371+00

PT STA. 372+73.73

372+00

373+00

374+00

375+00

376+00

S41°09'09.3"E

MATCH LINE STA. 376+20

VANGUARD DR

LAKE OTIS PKWY

INDEPENDENCE DR

TOLOFF ST

E 88TH AVE

VANGUARD DR

SEWARD HWY

DIMOND BLVD

SHEET NO.	TOTAL SHEETS
F6	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0506007/
CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
49TH
JEFF AVERILL JENSEN
12571
REGISTERED PROFESSIONAL ENGINEER

PW REVIEW SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
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AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

PLANS
365+80 TO 376+20

DESIGNED BY	AJA
CHECKED BY	AAL
DRAFTED BY	RCY

SCALE: 1" = 20'

DATE: 8/12/2025 TIME: 1:28 PM

DRAWING LOCATION
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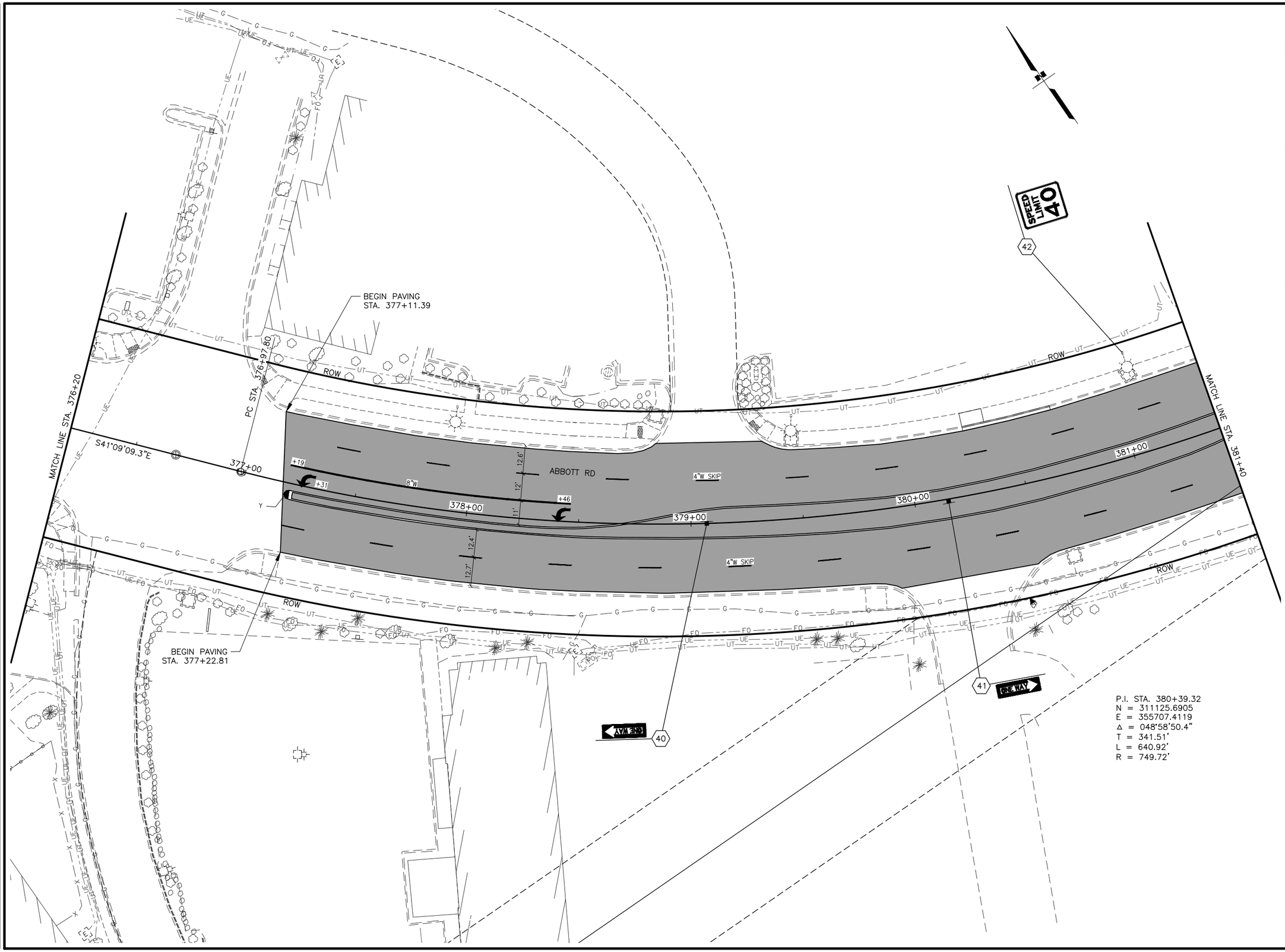

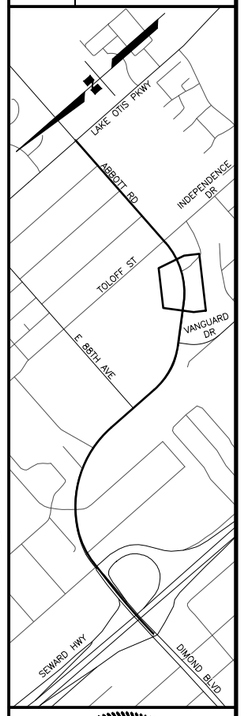

SHEET NO.	TOTAL SHEETS
F7	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0506007/
CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
★ 40 ★
AVERIL J. LARSEN
9371
REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

PLANS
376+20 TO 381+40

DESIGNED BY	AJA
CHECKED BY	AAL
DRAFTED BY	RCY

SCALE: 1" = 20'

DATE: 8/12/2025 TIME: 1:28 PM

DRAWING LOCATION
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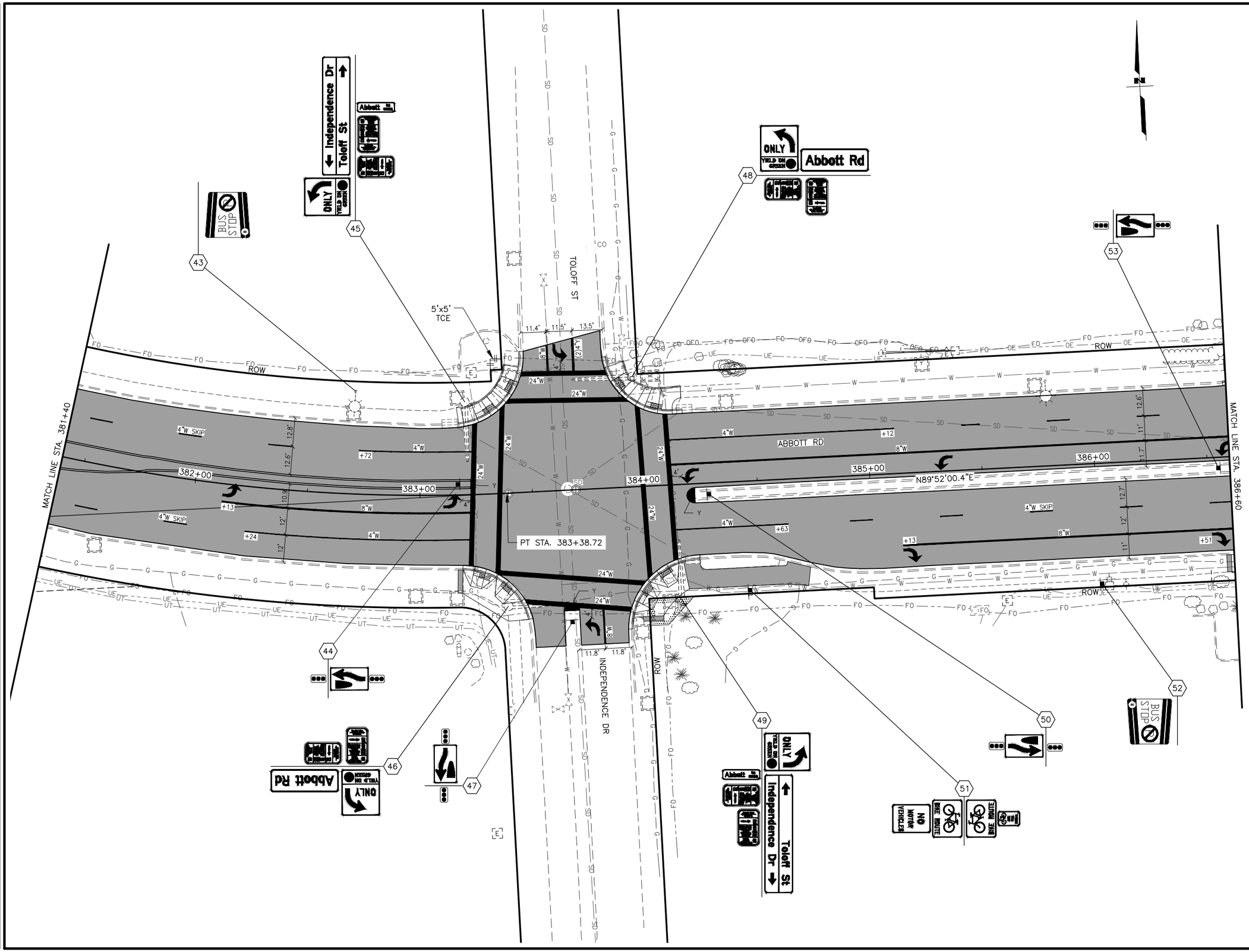
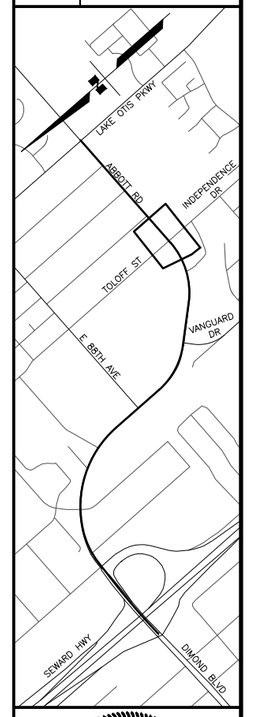


SHEET NO.	TOTAL SHEETS
F8	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0506007/
CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



STATE OF ALASKA
AVERIAL L. LARSEN
9371
PROFESSIONAL ENGINEER
PRELIMINARY SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
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AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

PLANS
381+40 TO 386+60

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

SCALE 1" = 20'

DATE 8/12/2025 TIME 1:28 PM

DRAWING LOCATION
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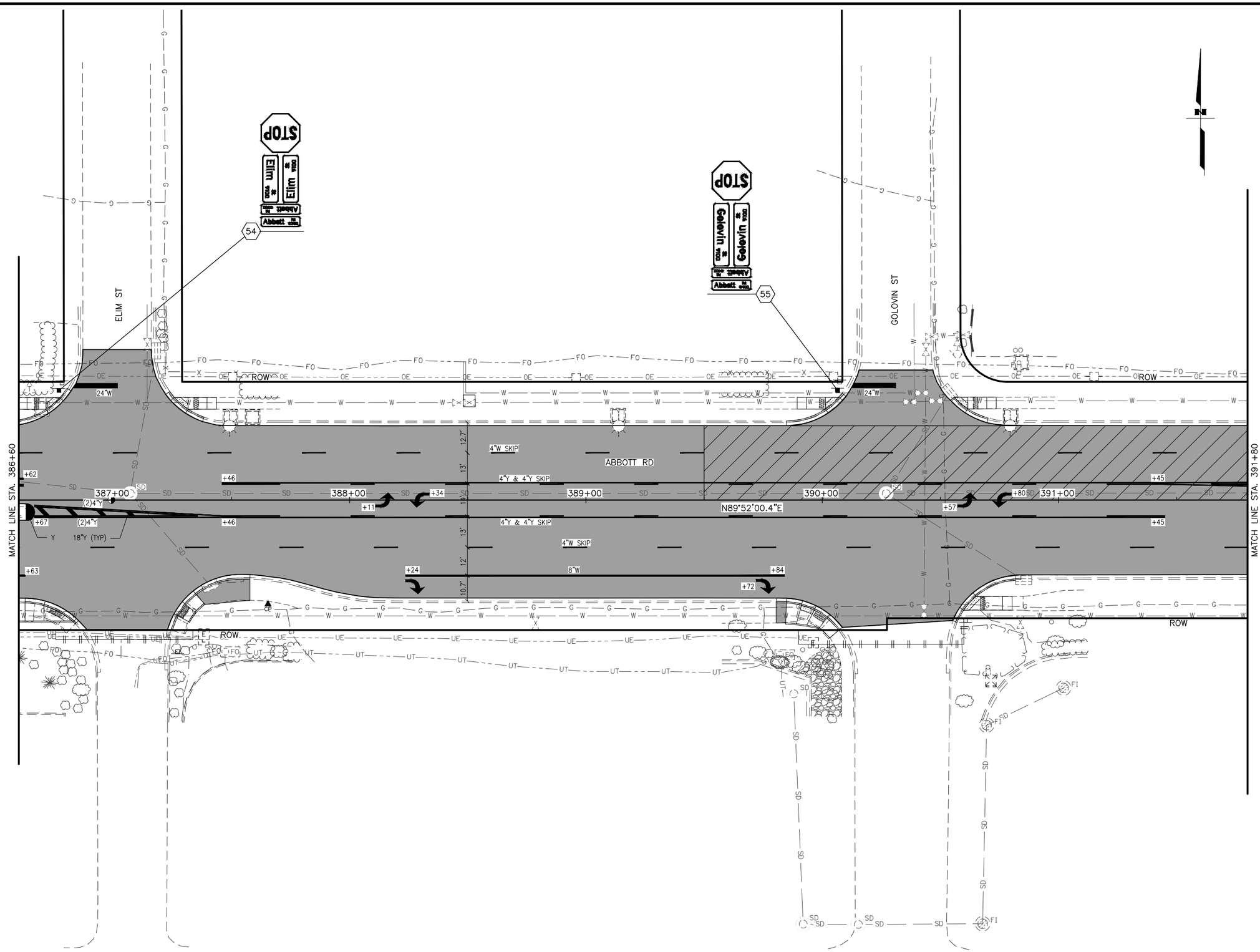


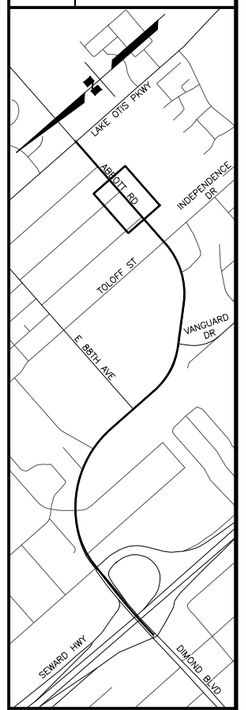
SHEET NO.	TOTAL SHEETS
F9	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0506007/
CFHWY01010

NO.	REVISION
DATE	

NO.	REVISION
DATE	

NO.	REVISION
DATE	



STATE OF ALASKA
49TH
JEFF AVERIAN JENSEN
12571
REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

PLANS
386+60 TO 391+80

DESIGNED BY: AJA
CHECKED BY: AAL
DRAFTED BY: RCY

SCALE: 1" = 20'

DATE: 8/12/2025
TIME: 1:28 PM

DRAWING LOCATION
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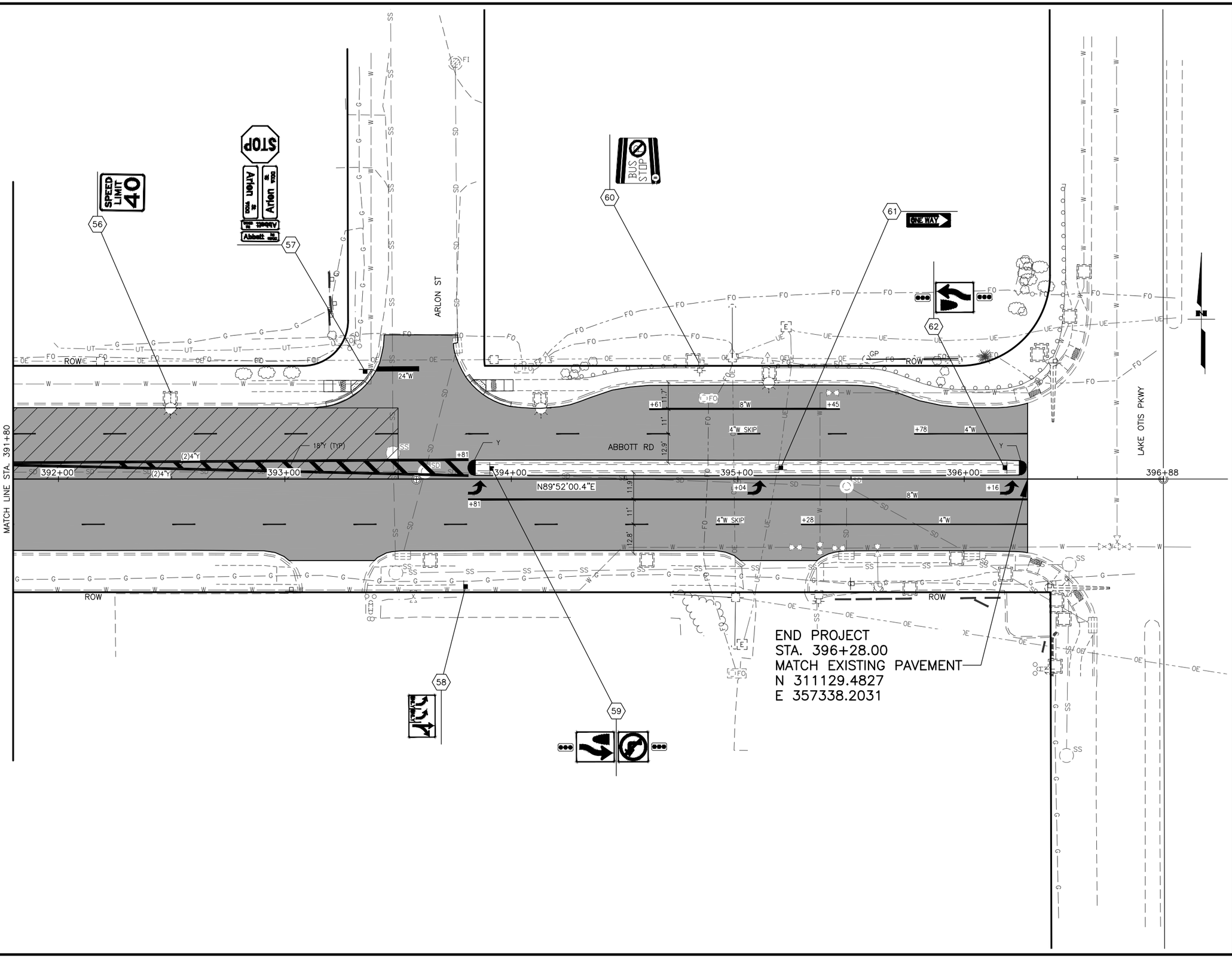
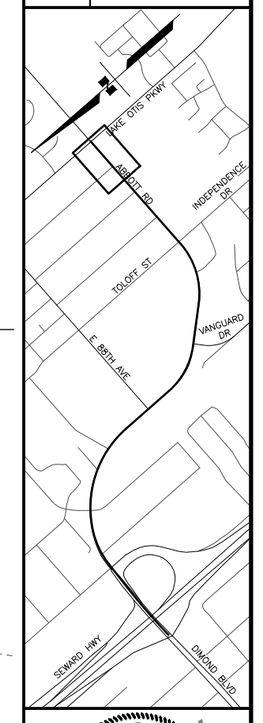


SHEET NO.	TOTAL SHEETS
F10	F10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0506007/
CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



STATE OF ALASKA
AVERIAN LARSEN
10371
REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564-2120
AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

PLANS
391+80 TO EOP

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0506007/CFHWY01010	2025	H1	H16

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

SCALE NTS

DATE TIME 8/12/2025 1:30 PM

DRAWING LOCATION
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SIGNING & STRIPING NOTES:

1. ALL STATION LOCATIONS FOR SIGN INSTALLATION ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
2. USE THE FOLLOWING DEFINITIONS TO DECIPHER THE ABBREVIATED SIGN POST TYPES IN THE SIGN SUMMARY SHEETS.
   A. PT MEANS A PERFORATED STEEL TUBE.
   B. T MEANS A SQUARE STEEL TUBE.
   C. P MEANS A ROUND STEEL PIPE.
   D. W MEANS A WIDE FLANGE BEAM.
   E. POPL MEANS A POLE PLATE INSTALLED PER ITS ALASKA STANDARD PLAN S-23.
3. FABRICATE ALL SIGNS FROM 0.125" THICK ALUMINUM SHEETING, UNLESS STATED ELSEWHERE.
4. FOR SIGNS SUPPORTED BY MULTIPLE POSTS, FABRICATE THE POSTS WITH THEIR TOPS LEVEL WITH ONE ANOTHER.
5. FOR PERFORATED STEEL TUBE SIGNPOSTS, INSTALL THE CONCRETE FOUNDATION OPTION SHOWN ON ALASKA STANDARD PLAN S-30. TRIM EACH PT POST TO LIMIT THE LENGTH INSERTED INTO THE FOUNDATION TO 12 INCHES.
6. FABRICATE GUIDE SIGNS ACCORDING TO THE SHOP DRAWINGS INCLUDED IN THE APPENDICES OF PART 4, CONTRACT PROVISIONS AND SPECIAL PROVISIONS. TRIM THE CORNERS OF ALL SIGNS TO THE RADIUS SHOWN ON EACH SHOP DRAWING.
7. ERECT NEW SIGNS BEFORE REMOVAL OF EXISTING SIGNS WITH SIMILAR MESSAGE. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BEGINNING SIGN REMOVAL AND SALVAGE OR DISPOSAL ACTIVITIES.
8. FOR SIGNS SUPPORTED BY MULTIPLE TUBES OR PIPES, LOCATE THE OUTER POSTS ON MAXIMUM SIX FEET CENTERS. INSTALL ADJACENT WIDE FLANGE POSTS ON MINIMUM EIGHT FEET CENTERS.
9. SELECTIVE AND HAND CLEARING SHALL BE PERFORMED AT THE DISCRETION OF THE ENGINEER, IN ACCORDANCE WITH SECTION 201, UPSTREAM OF ALL SIGN INSTALLATION LOCATIONS TO ACHIEVE MINIMUM SIGN VISIBILITY REQUIREMENTS. IF NOT INCLUDED AS A SEPARATE ITEM, THIS WORK SHALL BE SUBSIDIARY TO THE SIGN INSTALLATION ITEMS AND WORK.
10. FOR ALL FINAL PAVEMENT MARKINGS USE METHYLMETHACRYLATE MATERIALS. LONGITUDINAL, TRANSVERSE AND SYMBOL MARKINGS SHALL BE INLAID AND GORE STRIPES SHALL BE SURFACE APPLIED AS SPECIFIED IN SECTION 670 OF THE SPECIFICATIONS.
11. DIMENSIONS REFER TO THE CENTER OF STRIPE AND THE EDGE OF PAVEMENT OR FACE OF CURB WHEN PRESENT.
12. IF THE NEW AND EXISTING PAVEMENT MARKINGS ARE NOT ALIGNED AT MATCH LINE, TRANSITION BETWEEN THE TWO USING A 100:1 TAPER ON THE NEW PAVEMENT.
13. WHERE NEW STRIPING IS TO EXTEND BEYOND PAVING LIMITS, REMOVE EXISTING STRIPING IN ACCORDANCE WITH SUBSECTION 670-3.04 TO THE EXTENT OF STRIPING LIMITS.
14. ISLAND NOSE AND MEDIAN NOSE SHALL BE PAINTED WITH YELLOW REFLECTORIZED PAINT. SHAPING AND PAINTING IS SUBSIDIARY TO 670 TRAFFIC MARKINGS AND NO ADDITIONAL PAYMENT WILL BE MADE.

ABBREVIATIONS

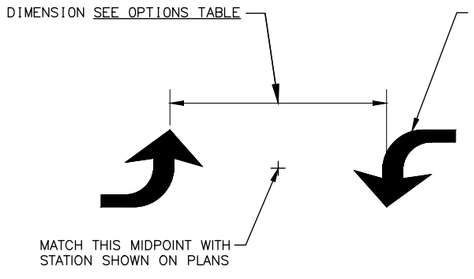
AWG	AMERICAN WIRE GAUGE	NB	NORTH BOUND
CAM	CAMERA	OMNI	OMNI DIRECTIONAL ANTENNA
EB	EAST BOUND	P#	TRAFFIC SIGNAL POLE #
GND	GROUND	PE	PHOTOELECTRIC CELL
HDPE	HIGH DENSITY POLYETHYLENE CONDUIT	PED B ##	PEDESTRIAN PUSH BUTTON #
HEAD	VEHICULAR SIGNAL HEAD	PEDI	PEDESTRIAN SIGNAL HEAD
SIG	SIGNAL	PRE #	PREEMPTION #
I/C	INTERCONNECT	PRE CON #	PREEMPTION CONFIRMATION LIGHT #
INTX	INTERSECTION	RAD	RADAR
INTXL	INTERSECTION LIGHTING	RMC	RIGID METAL CONDUIT
LC	LOAD CENTER	SB	SOUTH BOUND
LFNC	LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT	TC	TRAFFIC CONTROLLER
LTG	LIGHTING	WB	WEST BOUND
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	YAGI	DIRECTIONAL ANTENNA

FOUNDATIONS NOTES:

1. STATION & C.L. REFERENCE ARE TO THE CENTER OF THE STRUCTURE, EXCEPT ON LOOPS WHICH ARE TO THE CENTER OF THE TRAILING EDGE OF THE LOOP (EDGE NEAREST INTERSECTION).
2. LOCATE J-BOXES SO THAT THEY ARE LOCATED OUT OF THE PATHWAY, SIDEWALK, CURB RAMPS, AND DRAINAGE COLLECTION AREAS.

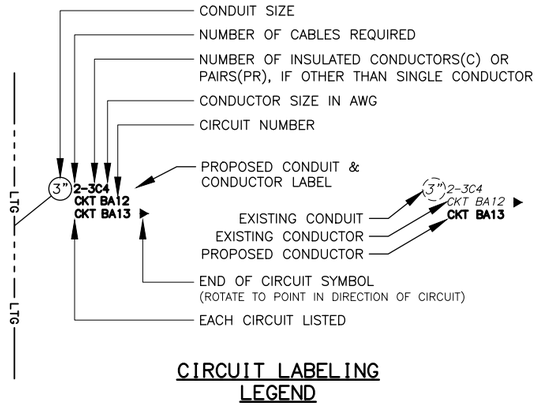
SIGNAL SYSTEM NOTES:

1. INSTALL DEVICES SUCH THAT THE DIMENSIONS SHOWN TO THE BOTTOM OF THE DEVICES ON THE POLE ELEVATIONS ARE MINIMUMS. VERTICAL DIMENSIONS TO SIGNAL HEADS ARE TO BOTTOM OF THE BACK PLATE.
2. SALVAGE SIGNAL POLE ASSEMBLIES, SIGNS, SIGNAL FACES, AND LUMINAIRES AND DELIVER TO MAINTENANCE AND OPERATIONS WITHIN 48-HOURS OF DECOMMISSIONING. COMPONENTS DAMAGED WHILE IN THE CONTRACTOR'S CUSTODY MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE. REMOVE AND DISPOSE OF FOUNDATIONS.
3. REMOVE ABANDONED OR UNUSED TRAFFIC JUNCTION BOXES UNLESS OTHERWISE NOTED.
4. EXISTING CIRCUITS LISTED ON THE LOAD CENTER SUMMARY AND PLAN SHEETS WERE OBTAINED FROM AS-BUILT INFORMATION AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO WORK INVOLVING THOSE CIRCUITS.
5. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL, INCLUDING ARROW BOARD DEVICE(S), FOR OVERHEAD INSPECTION AND LOCATE WORK PERFORMED BY MOA SIGNAL ELECTRONICS. CONTRACTOR SHALL BE ON-SITE AT COMPLETION OF LOCATES TO REVIEW LAYOUT AND MAKE STATIONING MEASUREMENTS FOR CONDUIT LOCATIONS.



TWO WAY LEFT TURN ARROW DETAIL

OPTIONS	
POSTED SPEED	DIMENSION
35 MPH AND LESS	8 FEET
40 MPH-45 MPH	12 FEET
50 MPH AND GREATER	16 FEET



CIRCUIT LABELING LEGEND

CALL BEFORE YOU DIG!

CONTRACTOR SHALL CALL A MINIMUM OF 3 DAYS IN ADVANCE OF CONSTRUCTION

ALASKA DIGLINE....907-278-3121 OR 800-478-3121

CALL OR GO TO WWW.AKONECALL.COM/STATEWIDE.HTM FOR MEMBER LIST OF WHO WILL BE NOTIFIED

HDL ENGINEERING CONSULTANTS, LLC
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

TRAFFIC LEGEND AND NOTES

NO.	DATE	REVISION

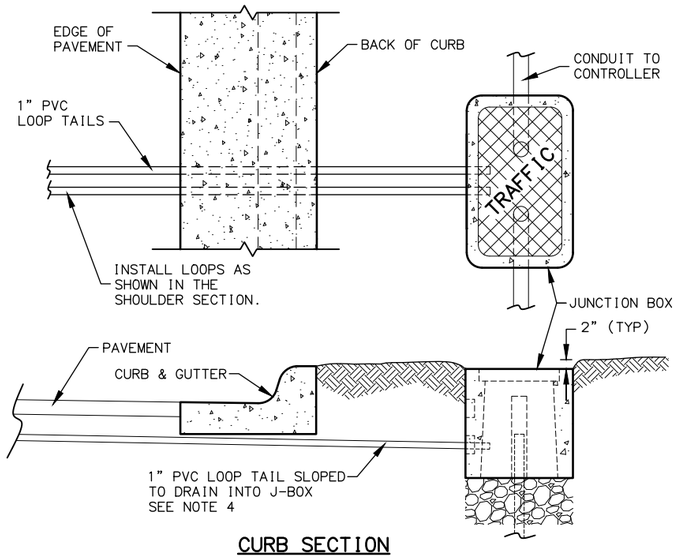
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H2	H16

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

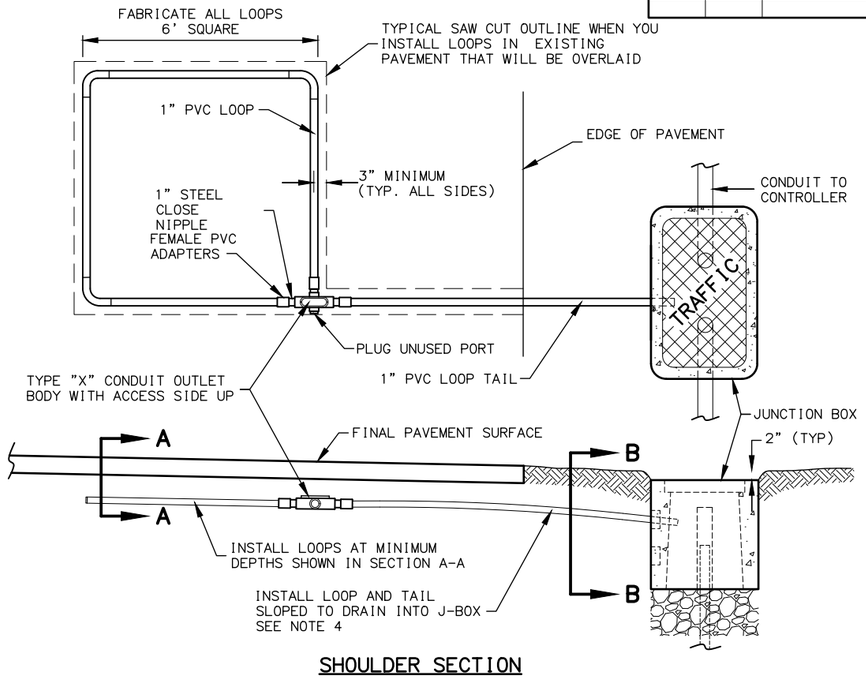
SCALE NTS

DATE 8/12/2025 TIME 1:30 PM

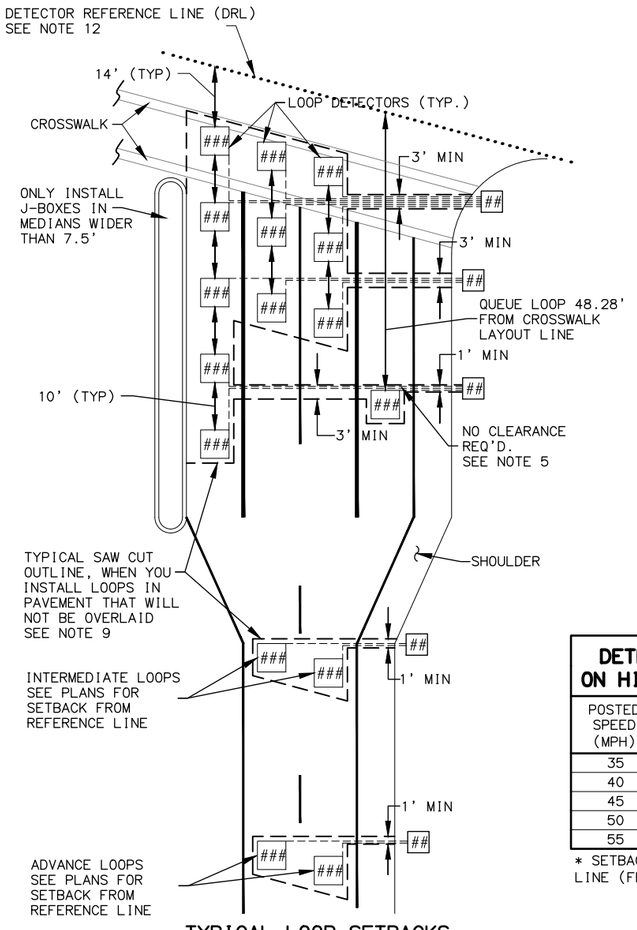
DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H02_LOOP_DETECTOR_MOA.DWG BY RYARMAK



CURB SECTION

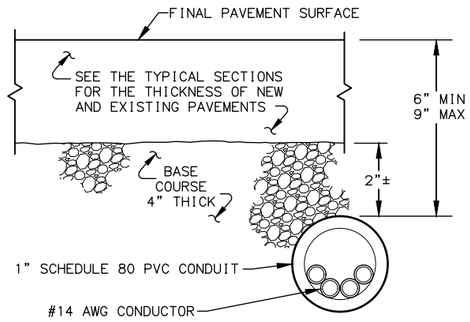


SHOULDER SECTION

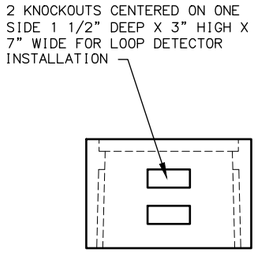


TYPICAL LOOP SETBACKS

MEASURE THE SETBACKS FROM THE DRL LAYOUT LINE ALONG THE CENTER OF EACH LANE



SECTION A-A

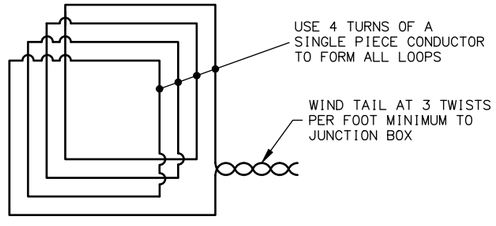


SECTION B-B

DETECTOR LOOP SPACING ON HIGH SPEED APPROACHES

POSTED SPEED (MPH)	ADVANCED LOOP *	INTERMEDIATE LOOP *
35	255	170
40	285	190
45	330	210
50	355	235
55	385	255

* SETBACK FROM DETECTOR REFERENCE LINE (FEET)



LOOP WIRING DETAIL

TYPICAL PVC CONDUIT ENCASED LOOP DETECTOR INSTALLATION

NOTES:

1. EACH LOOP DETECTOR SHALL CONSIST OF A SINGLE PIECE OF #14 AWG CONDUCTOR INSTALLED IN ONE INCH SCHEDULE 80 PVC CONDUIT. BUILD ALL LOOPS 6.0 FEET SQUARE, SOLVENT WELDING ALL PVC TO PVC JOINTS. USE TYPE X OUTLET BODIES MADE OF HOT DIP GALVANIZED STEEL TO JOIN THE LOOPS AND TAILS.
2. INSTALL 4 TURNS OF CONDUCTOR IN ALL LOOPS AND PROVIDE TAILS THAT EXTEND TO THE JUNCTION BOX SPECIFIED ON THE PLANS. USE #14 AWG CONDUCTOR IN A POLYETHYLENE TUBE CONFORMING TO IMSA SPECIFICATION 51-5. WIND THE TAIL CONDUCTORS TOGETHER AT A RATE OF 3 TWISTS PER FOOT.
3. INSTALL ALL LOOP DETECTORS BEFORE OVERLAYING THE EXISTING PAVEMENT OR PAVING THE NEW ROADWAY.
4. INSTALL ALL LOOP DETECTORS SLOPED TO DRAIN INTO THE JUNCTION BOX THE LOOP TAIL ENTERS. IF YOU CAN NOT INSTALL THE LOOP TO DRAIN INTO THE J-BOX, DRILL FIVE 1/4" WEEP HOLES ON 1 FOOT CENTERS IN THE UNDERSIDE OF THE CONDUIT AT THE LOW SPOT.
5. YOU MAY INSTALL A LOOP TAIL IMMEDIATELY ADJACENT TO A LOOP AND OTHER LOOP TAILS. LOOP TAILS SHALL NOT CROSS LOOP CONDUITS.
6. TEST ALL LOOP DETECTORS FOR CONTINUITY AND INSULATION INTEGRITY BEFORE SEALING THE LOOPS UNDER THE FINAL LIFT OF ASPHALT. PROVIDE THE ENGINEER A WRITTEN RECORD OF FIELD TESTING INCLUDING; CONTINUITY, INSULATION RESISTANCE AND INDUCTANCE TESTS AS REQUIRED IN SECTION 660-3.01(7) OF THE STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.
7. WHEN INSTALLING LOOP DETECTORS IN EXISTING PAVEMENT, CUT THE ASPHALT WITH A SAW AND REMOVE ALL ASPHALT WITHIN THE SAW CUT. MATCH EXISTING PAVEMENT THICKNESS WHEN REPAIRING THE CUTOUT.
8. WHERE LOOPS ARE INSTALLED IN EXISTING PAVEMENT OR AS NEW WORK, TRAFFIC SHALL NOT BE ALLOWED TO DRIVE OVER LOOPS UNTIL FIRST LAYER OF ASPHALT HAS BEEN PLACED.
9. WHERE EXISTING PAVEMENT WILL NOT BE OVERLAID, CUT THE PAVEMENT WITH A SAW AS FOLLOWS:
   A. REMOVE ALL PAVEMENT FROM THE LENGTH OF THE FIVE LOOP PRESENCE FIELDS.
   B. ENCLOSE ALL LOOPS THAT ENTER A COMMON JUNCTION BOX WITHIN A TRAPEZOIDAL SAW CUT.
   C. CUT TO WITHIN 1 FOOT OF THE LANE AND EDGE LINES, PRESERVING THESE PAVEMENT MARKINGS;
   D. REMOVE THE ASPHALT TO THE LIP OF THE GUTTER WHERE THERE ARE NO EDGE LINES;
   E. CUT ACROSS LANE LINES WHEN LOOPS IN ADJACENT LANES ARE SIDE BY SIDE;
   F. CUT TRENCHES CROSSING A LANE A MINIMUM OF 3 FEET WIDE; AND
   G. CUT TRENCHES CROSSING A SHOULDER A MINIMUM 1 FOOT WIDE.
10. HEAT AND TACK COAT THE EDGES OF EXISTING PAVEMENT BEFORE PAVING THE CUTOUTS. COMPACT THE ASPHALT MIXTURE WITH A SELF-PROPELLED STEEL WHEELED ROLLER. FURNISH ASPHALT MIX THAT CONFORMS TO SECTION 401 OF THE SPECIFICATIONS, AND IS APPROVED BY THE ENGINEER.
11. MAINTAIN THE REPLACEMENT ASPHALT MIX ABOVE A TEMPERATURE OF 225°F UNTIL THE TIME OF APPLICATION; IF NECESSARY, STORE THE MIX IN AN INSULATED BOX TO MAINTAIN THIS MINIMUM TEMPERATURE.
12. TO ESTABLISH DETECTOR REFERENCE LINE, LAYOUT A LINE PARALLEL TO THE CROSS STREET CENTER LINE, STARTING AT THE CURB RETURN TO THE RIGHT OF THE APPROACH.
13. ENSURE DEPTH OF BASE COURSE AT LOOP LOCATIONS IS A MINIMUM OF 4 INCHES. EXCAVATION AND INSTALLATION OF ADDITIONAL BASE COURSE NECESSARY TO MEET THIS REQUIREMENT IN EXISTING ROAD SECTIONS SHALL BE SUBSIDIARY TO TRAFFIC LOOP PAY ITEM.
14. STATION AND OFFSET OF LOOPS ARE TO THE CENTER OF THE TRAILING EDGE OF THE LOOP (EDGE NEAREST TO INTERSECTION).

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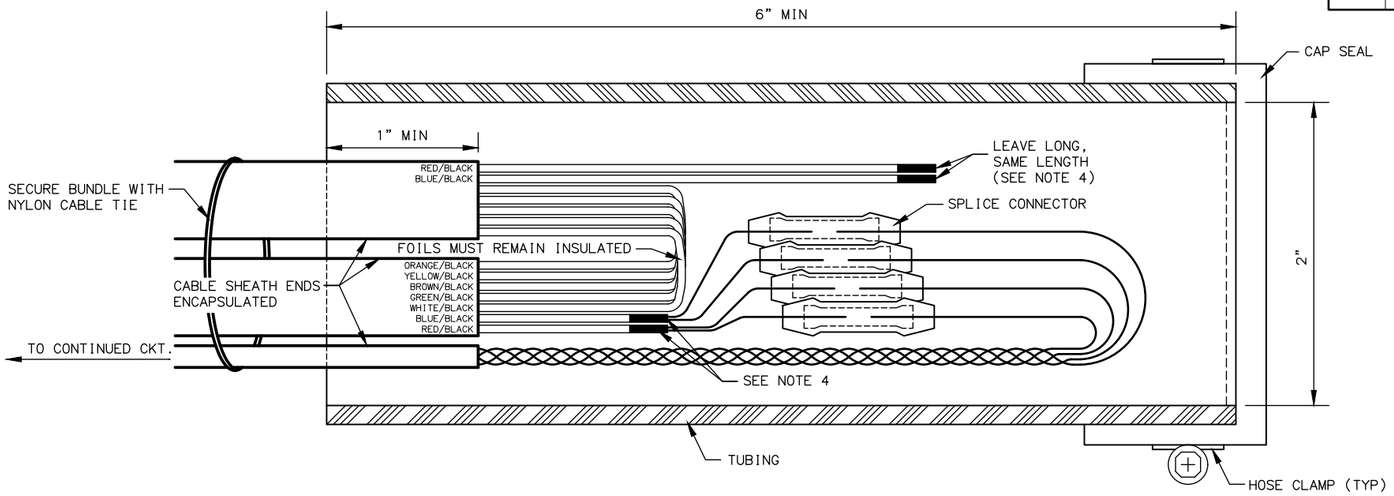
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

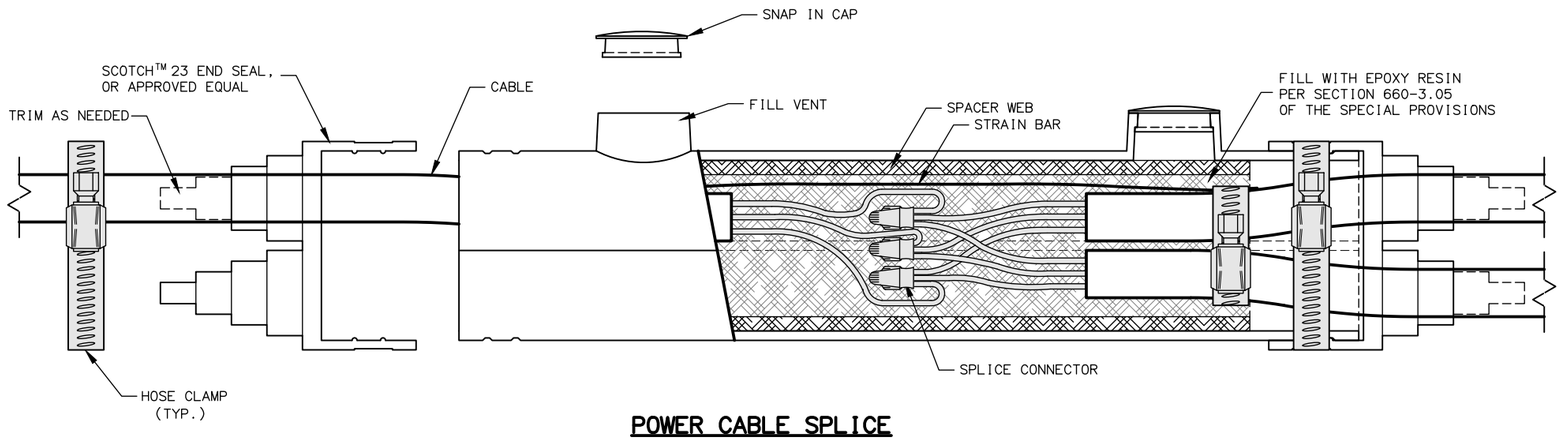
LOOP DETECTOR DETAILS

NO.	DATE	REVISION

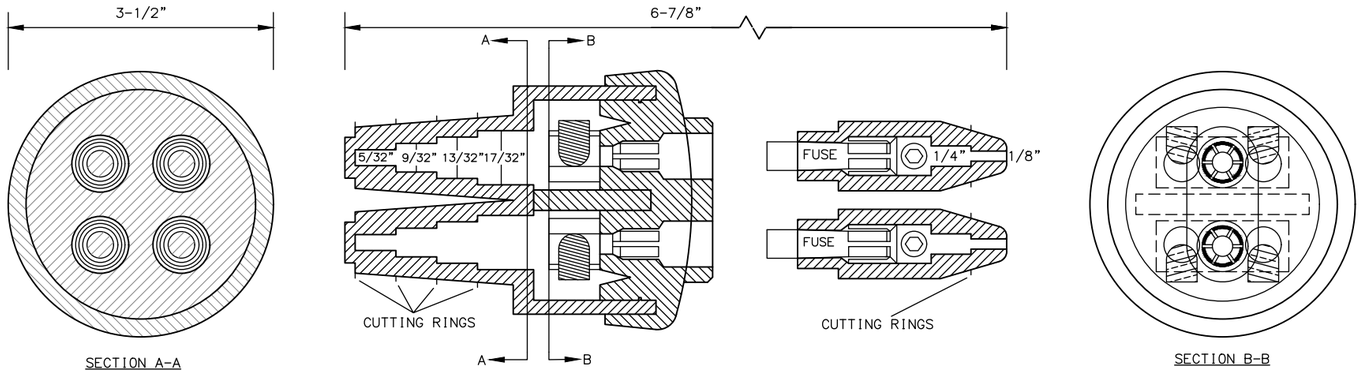
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H3	H16



LOOP LEAD-IN SPLICE



POWER CABLE SPLICE



DOUBLE FUSED CONNECTOR

NOTES:

LOOP LEAD-IN SPLICE

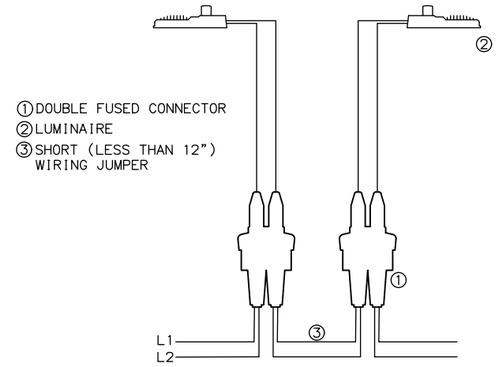
1. FABRICATE LOOP LEAD-IN SPLICE IN THE FIELD AS SHOWN.
2. CAP SEAL ONE END AND COMPLETELY FILL OPEN END WITH RE-ENTERABLE ENCAPSULATION COMPOUND TO EDGE OF TUBING.
3. LEAVE A MINIMUM OF 1/2" CLEARANCE BETWEEN THE ENCLOSURE AND THE SPLICE AT BOTH ENDS OF THE TUBING.
4. EXPOSE FOIL AND DRAIN WIRES, SEAL WITH HEAT SHRINK TUBING (TYP).
5. INSTALL SPLICE CONNECTORS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

POWER CABLE SPLICE

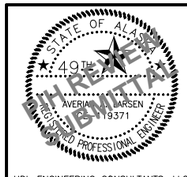
6. SECURE CABLE/CONNECTOR BUNDLE WITH HOSE CLAMPS AS SHOWN.

MATERIAL PROPERTIES

LOOP LEAD-IN SPLICE	
TUBING	PER SECTION 660-3.05
CAP SEAL	FERNCO QWIK CAP #QC-102, OR APPROVED EQUAL
HOSE CLAMP	STAINLESS STEEL
SPLICE CONNECTOR	ML56-16, OR APPROVED EQUAL
COMPOUND	RE-ENTERABLE ENCAPSULATION
POWER CABLE SPLICE	
SPLICE KIT	3M MODEL 78R, OR APPROVED EQUAL
SPLICE CONNECTOR	SCOTCHLOCK G, R, OR Y SPRING CONNECTOR, OR APPROVED EQUAL
HOSE CLAMP	(4)- STAINLESS STEEL
EPOXY RESIN	PER SECTION 660-3.05
DOUBLE FUSED CONNECTOR	
DOUBLE FUSED CONNECTOR	SEC-1791-DF-1, OR APPROVED EQUAL
FUSES	(2) - COMPATIBLE 5-AMP TIME DELAY TYPE FOR LED FIXTURE OR 10-AMP FAST ACTING FOR ALL OTHER FIXTURES



DUAL LUMINAIRE WIRING DIAGRAM



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SPLICE DETAILS

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

SCALE NTS

DATE 8/12/2025 TIME 1:31 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H03_SPLICE.DWG BY RYARMAK

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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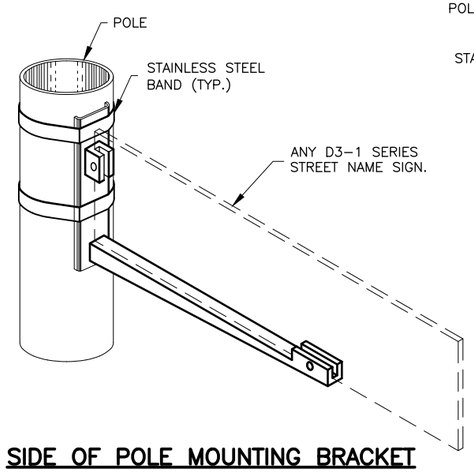
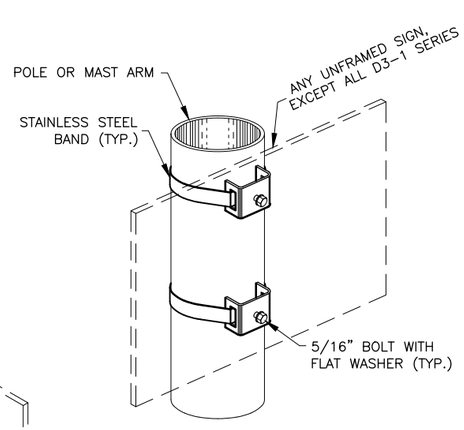
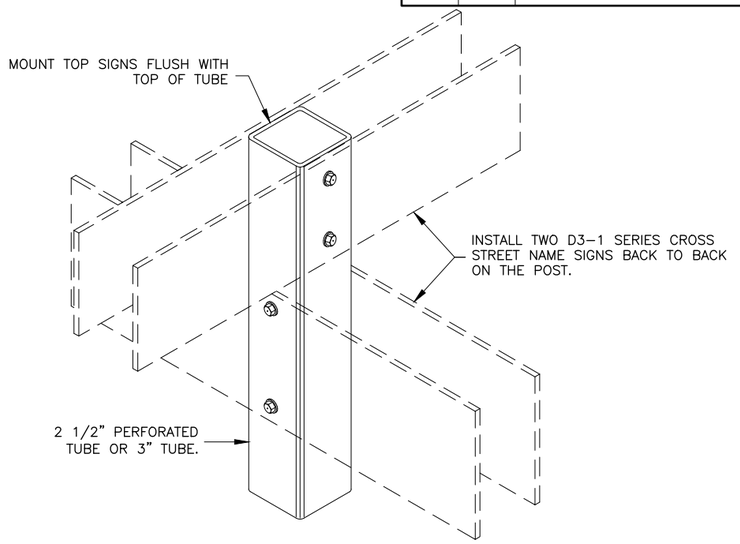


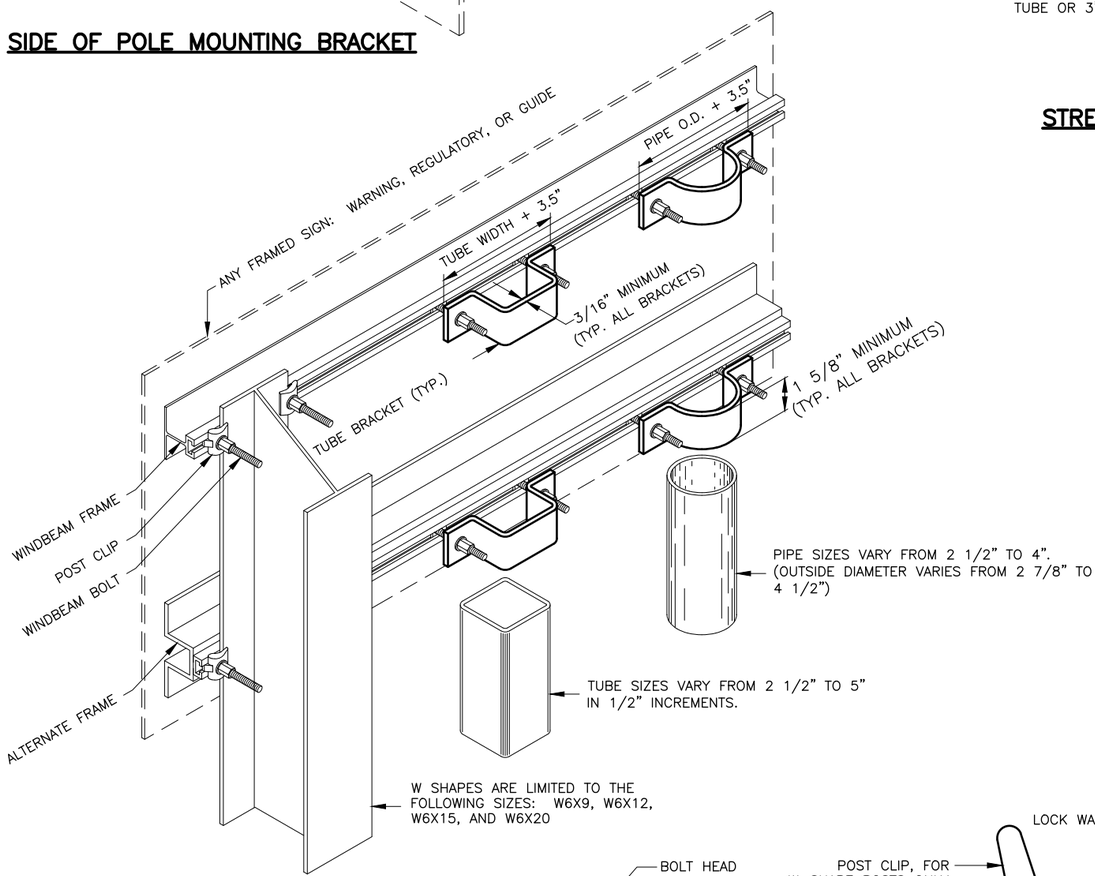
SIDE OF POLE MOUNTING BRACKET



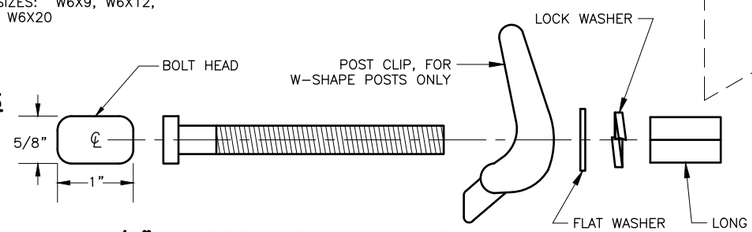
SADDLE BRACKETS



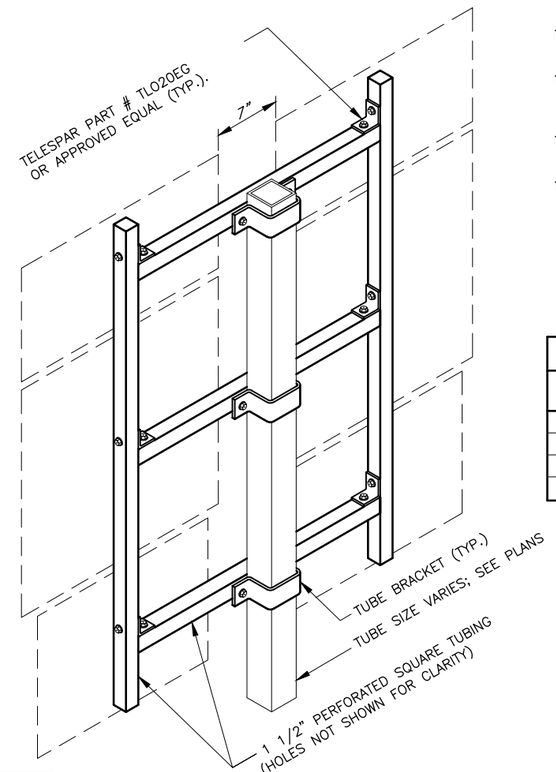
STREET NAME SIGN INSTALLATION



FRAMED SIGN ATTACHMENT BRACKETS



3/8" WINDBEAM BOLT AND LONG NUT



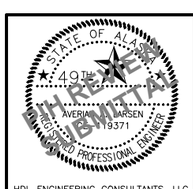
ROUTE MARKER TREE

NOTES:

1. EXCEPT FOR POLES AND MAST ARMS, ONLY USE TUBES TO SUPPORT SIGNS MOUNTED ON ONE POST.
2. ATTACH SIGNS, FRAMED AND UNFRAMED TO THEIR SUPPORTS WITH ZINC PLATED 3/8" BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO PERFORATED TUBES WITH ACCESSORY DRIVE RIVETS AND TO SADDLES WITH 5/16" BOLTS.
3. BOLT UNFRAMED SIGNS DIRECTLY TO TUBES IN TWO LOCATIONS, NEAR TOP AND NEAR BOTTOM OF MATING SURFACE. ATTACH THEM TO POLES AND MAST ARMS WITH TWO SADDLES.
4. ATTACH BRACKETS TO POLES AND MAST ARMS WITH DOUBLE WRAPS OF 3/4" WIDE BY 0.020" THICK STAINLESS STEEL BANDING MATERIAL. TIGHTEN EACH BAND UNTIL IT STOPS MOVING THROUGH THE BUCKLE.
5. ATTACH FRAMED SIGNS TO POSTS WHEREVER THE FRAMES CROSS THE POSTS. AT EACH CROSSING, ATTACH THE SIGN USING TWO POST CLIPS ON W-SHAPE POSTS, A U-SHAPED BRACKET ON PIPES, AND A BRACKET WITH SQUARE CORNERS ON TUBES.
6. THE TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.
7. ONLY USE THE SPECIAL WINDBEAM BOLTS TO ATTACH SIGNS FRAMED WITH THE WINDBEAM FRAMING MATERIAL.
8. ATTACH FRAMED SIGNS TO POLES AND MAST ARMS USING POLE PLATES INSTALLED ACCORDING TO ALASKA STANDARD PLAN S-23.
9. FOR ROUTE MARKER TREES, CUT PERFORATED TUBES TO ENSURE TIGHT FITTING JOINTS. ASSEMBLE THE PIECES WITH ACCESSORY L-SHAPED ANGLE BRACKETS.
10. INSTALL THE TOP EDGE OF SIGNS 1" ABOVE THE TOPS OF POSTS, EXCEPT FOR THE D3-1 STREET NAME SIGNS.
11. INSTALL THE TOP EDGE OF SIGNS 3" BELOW THE TOP OF POST, WHENEVER THEY ARE MOUNTED BELOW SIGNS SECURED BY POST TOP MOUNTING BRACKETS.
12. THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
13. INSTALL WEATHER TIGHT CAPS ON ALL PIPE AND TUBE POSTS, EXCEPT PERFORATED TUBING.

FASTENER SPECIFICATION TABLE

FASTENERS	ALUMINUM	STEEL	STAINLESS STEEL
BOLTS	ASTM F468 2024-T4	ASTM A307	ASTM F593
NUTS	ASTM F467 2024-T4	ASTM A563	ASTM F594
WASHERS	ANSI B18.22.1	ASTM F844	ANSI B18.22.1
POST CLIPS	ASTM B179 356-T6	N/A	N/A



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

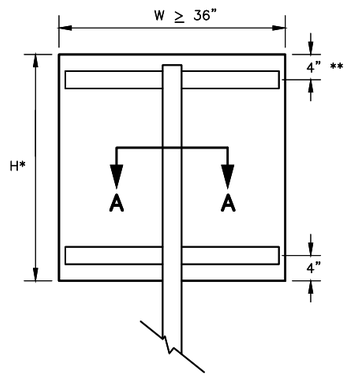
ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN ATTACHMENT DETAILS

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY
SCALE N/A
DATE TIME 8/12/2025 1:31 PM
DRAWING LOCATION H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H04_SIGN_ATTACHMENT.DWG BY RYARMAK

NO.	DATE	REVISION

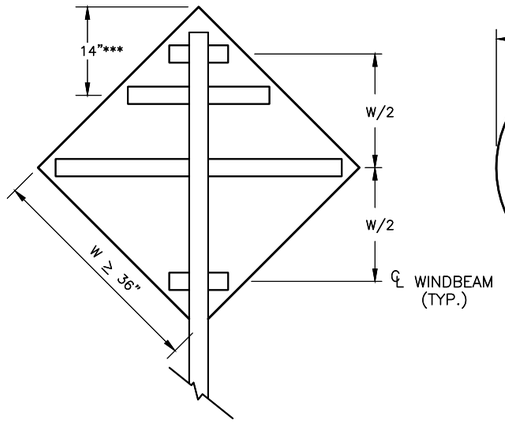
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H5	H16



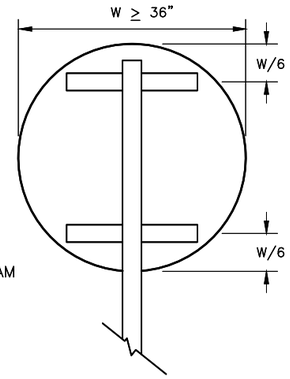
RECTANGLES AND TRAPEZOIDS

* WHEN H > 42 INCHES, INSTALL A 3RD WINDBEAM CENTERED ON THE SIGN.

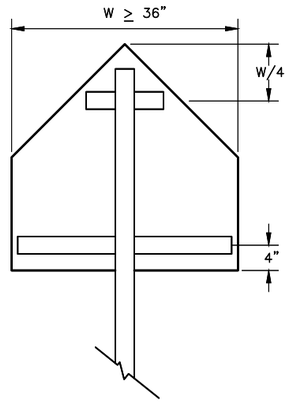
** FOR S5-1 SIGNS MOUNTED ON FLASHING BEACON POSTS, USE A 10" OFFSET. OTHERWISE, USE 4".

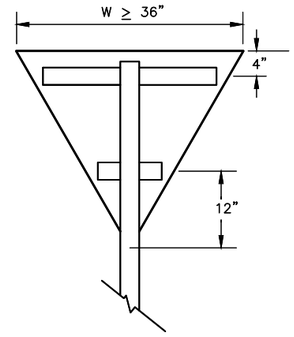


*** FOR WARNING SIGNS MOUNTED ON FLASHING BEACON POSTS, USE THE 14" OFFSET. OTHERWISE, USE W/2.



ROUNDS AND OCTAGONS



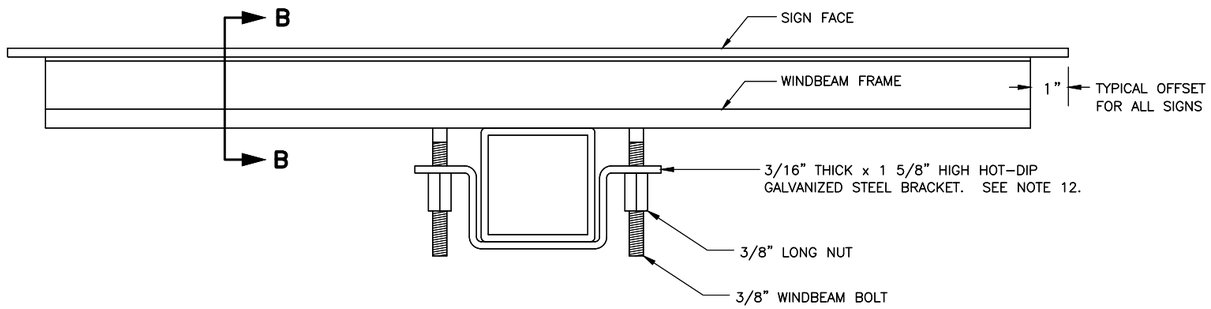


NOTES:

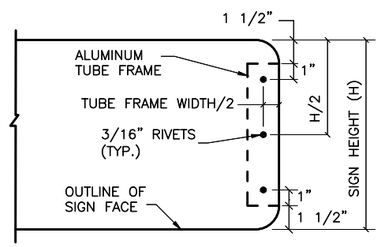
1. EXCEPT FOR POLES AND MAST ARMS, ONLY USE SQUARE STEEL TUBES TO SUPPORT SIGNS MOUNTED ON SINGLE POSTS.
2. INSTALL WINDBEAM OR ZEE SHAPED FRAMING MEMBERS ON DIAMOND SHAPED SIGNS 36 INCHES AND LONGER ON A SIDE AND ON OTHER SIGNS 36 INCHES WIDE AND WIDER.
3. IN HIGH WIND AREAS, THE PLANS MAY REQUIRE SIGNS SMALLER THAN THOSE LISTED IN NOTE 2 BE FRAMED AS SHOWN HERE IN.
4. THIS DRAWING DEPICTS THE WINDBEAM FRAMING AND ATTACHMENT SYSTEM. ATTACH SIGNS FRAMED WITH ZEE SHAPED FRAMING ACCORDING TO REGIONAL DRAWING "SIGN ATTACHMENT DETAILS", USING "U" SHAPED BRACKETS AND TWO BOLTS WITH NUTS.
5. THE ENGINEER MAY APPROVE OTHER FRAMING MEMBERS. SUBMIT DOCUMENTS THAT DETAIL THE FRAME'S CROSS SECTION AND STRENGTH, AND METHOD OF ATTACHING THE FRAME TO A POST.
6. USE FRAMING MEMBERS MADE FROM ALUMINUM ALLOY 6061-T6.
7. EACH FRAMING MEMBER SHALL BE ONE CONTINUOUS PIECE.
8. ATTACH FRAMING MEMBERS TO THE SIGN PANELS WITH RIVETS OR AN ENGINEER APPROVED, DOUBLE SIDED, HIGH STRENGTH, ADHESIVE TAPE.
9. WITH THE ADHESIVE TAPE, INSTALL TWO RIVETS IN BOTH ENDS OF EACH FRAMING MEMBER, AND ATTACH THE FRAMING MEMBERS TO THE SIGN PANELS ACCORDING TO THE TAPE MANUFACTURER'S WRITTEN INSTRUCTIONS, INCLUDING:
   A. THE CLEANING AND HANDLING OF THE SIGN PANELS AND FRAMING MEMBERS.
   B. THE APPLICATION OF THE ADHESIVE TAPE.
10. WHEN RIVETS ARE USED TO ATTACH FRAMING MEMBERS, INSTALL 2 RIVETS IN EACH END AND THE BALANCE ON 8" MAXIMUM CENTERS.
11. USE 3/16" DIAMETER RIVETS CONFORMING TO ALUMINUM ALLOY 6061-T6 FOR COLD DRIVEN RIVETS, OR ALUMINUM ALLOY 6061-T43 FOR HOT DRIVEN RIVETS.
12. THE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.

WINDBEAM LOCATIONS FOR EACH SIGN SHAPE

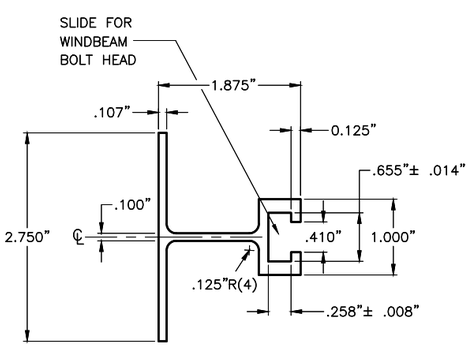
ELEVATION VIEW



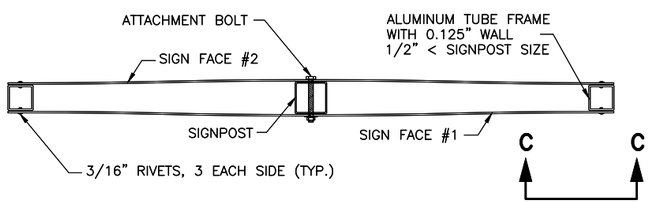
SECTION A - A TYPICAL SIGN ATTACHMENT DETAILS AT EACH WINDBEAM



VIEW C - C

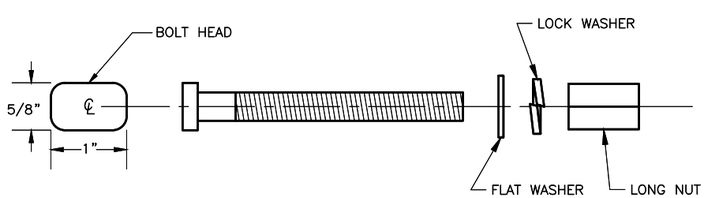


SECTION B - B WINDBEAM CROSS SECTION



D3-1 STREET NAME SIGN FRAMING DETAIL

PLAN VIEW



3/8" WINDBEAM BOLT AND LONG NUT

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE. 100
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

LIGHT SIGN FRAMING AND ATTACHMENT DETAILS

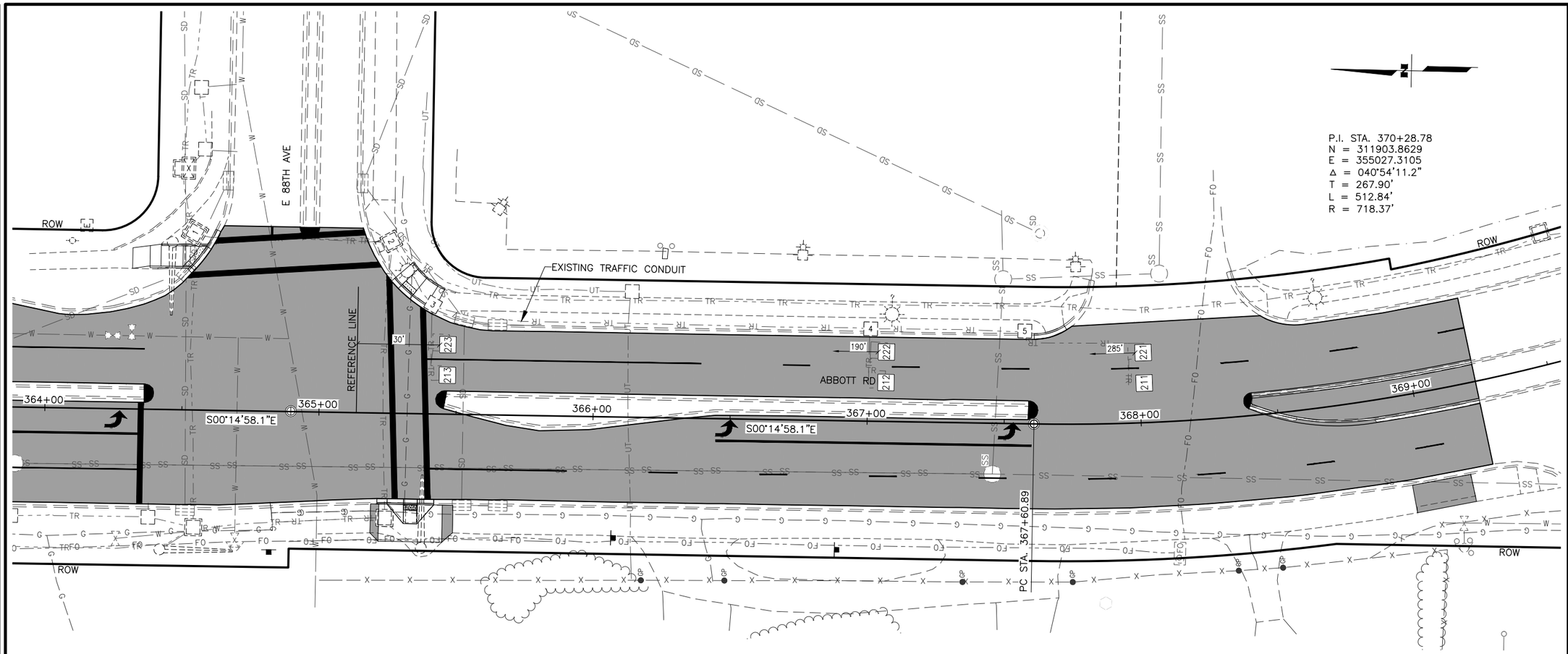
DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY
SCALE N/A
DATE TIME 8/12/2025 1:31 PM
DRAWING LOCATION H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H05_SIGN_FRAMING.DWG BY RYARMAK

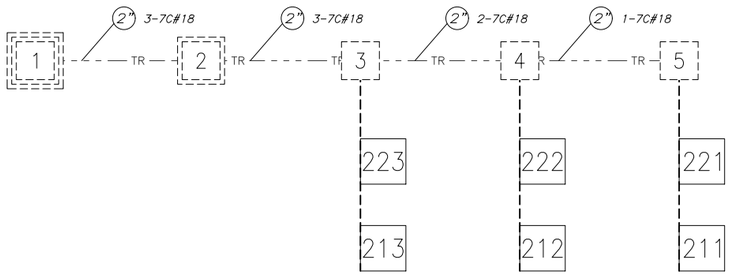
DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY RCY

SCALE 1" = 20'

DATE TIME
8/12/2025 1:32 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H06_LOOPS.DWG





WIRING DIAGRAM
NTS

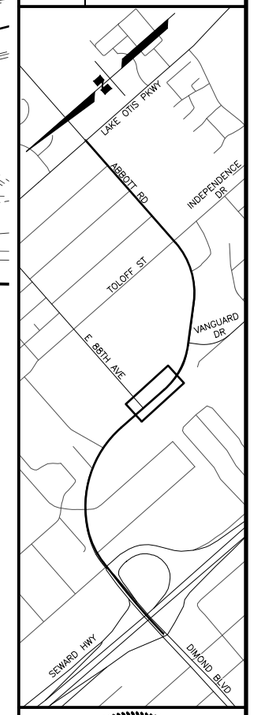
JUNCTION BOX SCHEDULE

JB NO.	STATION	TYPE	REMARKS
1	364+54 LT	3	EXISTING JUNCTION BOX TO REMAIN
2	365+25 LT	2	EXISTING JUNCTION BOX TO REMAIN
3	365+41 LT	1A	EXISTING JUNCTION BOX TO REMAIN
4	367+01 LT	1A	EXISTING JUNCTION BOX TO REMAIN
5	367+57 LT	1A	EXISTING JUNCTION BOX TO REMAIN

SHEET NO.	TOTAL SHEETS
H6	H16
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
0506007/
CFHWY01010

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



STATE OF ALASKA
49TH
JEFF AVERILL OLSEN
12371
PROFESSIONAL ENGINEER
PRELIMINARY SUBMITTAL

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
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AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

E 88TH AVE SIGNAL DETECTOR LOOP LAYOUT

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H7	H16

615.0001.0000 – STANDARD SIGN

SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
F1	1	342+48	RT	R3-5L	ONLY	30	36	7.50	W	N/A		X	MOUNT ON MAST ARM
				R3-5A	ONLY	30	36	7.50	W			X	MOUNT ON MAST ARM
				D1-3	Nasm Downtown Seward Hwy	78	42	22.75	W		X		MOUNT ON MAST ARM, POPL
				W11-2		36	36	9.00	W		X		MOUNT ON POLE
				W16-9P	AHEAD	24	18	3.00	W			X	MOUNT ON POLE
	2	343+26	RT	W1-1R		36	36	9.00	W	N/A	X		MOUNT ON POLE
				W13-1	15 MPH	18	18	2.25	W			X	MOUNT ON POLE
	3	344+95	LT	R3-7R	RIGHT LANE MUST TURN RIGHT	36	36	9.00	E	2.5" PT	X		
F2	4	345+26	RT	W11-2		30	30	6.25	W	N/A		X	MOUNT TO FLASHING BEACON POLE
				W16-7PL		24	12	2.00	W			X	MOUNT TO FLASHING BEACON POLE
	5	345+39	RT	R1-1	STOP	18	18	2.25	NW	2.5" PT		X	
				SPECIAL	WALK BIKES	12	9	0.75	NW			X	
	6	345+63	RT	W11-2		30	30	6.25	W	N/A		X	MOUNT TO FLASHING BEACON POLE
				W16-7PR		24	12	2.00	W			X	MOUNT TO FLASHING BEACON POLE
	7	345+77	RT	R1-1	STOP	18	18	2.25	NE	2.5" PT		X	
	8	346+24	LT	R3-2		36	36	9.00	E	N/A	X		MOUNT ON MAST ARM, POPL
				D1-1	Sandlewood Pl →	96	18	12.00	E		X		MOUNT ON MAST ARM, POPL
				R9-3A		18	18	2.25	S			X	MOUNT ON POLE
				D3-101	Abbott Rd 1500	30	8	1.67	N/S			X	DOUBLE SIDED SIGN MOUNT ON SIDE OF POLE
				R10-3ER	PUSH	9	15	0.94	S			X	MOUNT ABOVE PEDESTRIAN BUTTON

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY WP

SCALE N/A

DATE 8/12/2025 TIME 1:32 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H07-H16_SUM.DWG BY RYARMAK

HDL ENGINEERING CONSULTANTS, LLC
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SUMMARY

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H8	H16

615.0001.0000 – STANDARD SIGN

SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN)		AREA (SQ FT)	SIGN FACES	POST	FRAMED?		REMARKS
						WIDTH	HEIGHT			NO., SIZE, & TYPE	YES	NO	
F2	9	346+34	RT	R3-5R		30	36	7.50	N	N/A		X	MOUNT ON MAST ARM
				R5-1		36	36	9.00	N		X		MOUNT ON MAST ARM, POPL
				R3-5L		30	36	7.50	N			X	MOUNT ON MAST ARM
				D3-102		102	30	21.25	N		X		MOUNT ON MAST ARM, POPL
				R9-3A		18	18	2.25	N			X	MOUNT ON POLE
				R10-3EL		9	15	0.94	N			X	MOUNT ABOVE PEDESTRIAN BUTTON
	10	346+40	RT	R5-1		36	36	9.00	N	2.5" PT	X		
				R3-8L/L		36	36	9.00	S		X		
	11	347+12	LT	R3-5L		30	36	7.50	S	N/A		X	MOUNT ON MAST ARM
				R3-5L		30	36	7.50	S			X	MOUNT ON MAST ARM
				R3-5A		30	36	7.50	S			X	MOUNT ON MAST ARM
				R3-5R		30	36	7.50	S			X	MOUNT ON MAST ARM
				D3-102		102	30	21.25	S		X		MOUNT ON MAST ARM, POPL
				D3-101		42	8	2.33	E/W			X	DOUBLE SIDED SIGN. MOUNT ON SIDE OF POLE
				R9-6_SPECIAL		24	36	6.00	E			X	MOUNT ON POLE
				R10-3ER		9	15	0.94	W			X	MOUNT ABOVE PEDESTRIAN BUTTON
				R10-3EL		9	15	0.94	S			X	MOUNT ABOVE PEDESTRIAN BUTTON
	12	347+16	RT	R5-1		36	36	9.00	N	2.5" PT	X		
				R3-5R		30	36	7.50	S			X	

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H07-H16_SUM.DWG BY RYARMAK

DESIGNED BY	CHECKED BY	DRAFTED BY
AJA	AAL	WP

SCALE	DATE	TIME
N/A	8/12/2025	1:32 PM

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

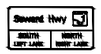
ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SUMMARY

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H9	H16

615.0001.0000 – STANDARD SIGN

SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
F2	13	347+36	RT	R3-5L		30	36	7.50	W	N/A		X	MOUNT ON MAST ARM
				R3-1		36	36	9.00	W		X		MOUNT ON MAST ARM, POPL
				D1-1		96	18	12.00	W		X		MOUNT ON MAST ARM, POPL
				D3-101		30	8	1.67	N/S			X	DOUBLE SIDED SIGN MOUNT ON SIDE OF POLE
				R10-3ER		9	15	0.94	N			X	MOUNT ABOVE PEDESTRIAN BUTTON
				R10-3EL		9	15	0.94	W			X	MOUNT ABOVE PEDESTRIAN BUTTON
	14	347+82	RT	SPECIAL		24	30	5.00	S	2.5" PT		X	NO PARKING PROPERTY OF STATE OF ALASKA VEHICLES TOWED AT OWNERS EXPENSE
	15	348+53	LT	R6-1R		36	12	3.00	S	2.5" PT	X		
	16	348+86	LT	D1-3_SPECIAL		108	84	63.00	E	2-W 6X9	X		
	17	349+00	RT	(2)D3-101		30	8	3.33	N/S	2.5" PT	X		TWO SIGNS BACK TO BACK
				(2)D3-101		30	12	5.00	E/W		X		TWO SIGNS BACK TO BACK
				R6-1R		36	12	3.00	S		X		
				R1-1		30	30	6.25	S			X	
F3	18	350+31	LT	R2-1		30	36	7.50	E	N/A		X	MOUNT ON POLE
	19	351+42	LT	D1-3		108	84	63.00	E	2-W 6X9	X		
	20	352+31	LT	W4-3R		36	36	9.00	E	2.5" PT	X		
	21	352+48	LT	W11-2		30	30	6.25	N	2.5" PT		X	
				W16-7PL		24	12	2.00	N			X	
	22	352+74	LT	(2)D3-101		30	8	3.33	N/S	2.5" PT	X		TWO SIGNS BACK TO BACK
				(2)D3-101		48	12	8.00	E/W		X		TWO SIGNS BACK TO BACK
				R1-1		30	30	6.25	N			X	

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SUMMARY

DESIGNED BY: A.A.
CHECKED BY: A.M.L.
DRAFTED BY: W.P.
SCALE: N/A
DATE TIME: 8/12/2025 1:32 PM
DRAWING LOCATION: H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H07-H16_SUM.DWG BY RYARMAK

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H10	H16

615.0001.0000 – STANDARD SIGN

SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
F3	23	353+22	RT	(2)D3-101	Abbott Rd T700	30	8	3.33	N/S	2.5" PT	X		TWO SIGNS BACK TO BACK
				(2)D3-101	Corbin Dr 8400	48	12	8.00	E/W		X		TWO SIGNS BACK TO BACK
				R1-1	STOP	30	30	6.25	S			X	
F4	24	355+47	RT	R2-1	SPEED LIMIT 40	30	36	7.50	N	N/A		X	MOUNT ON POLE
	25	357+08	LT	(2)D3-101	Abbott Rd T700	30	8	3.33	E/W	2.5" PT	X		TWO SIGNS BACK TO BACK
				(2)D3-101	E 85th St T900	48	12	8.00	N/S		X		TWO SIGNS BACK TO BACK
				R6-1R	ONE WAY	36	12	3.00	E		X		
				R1-1	STOP	30	30	6.25	E			X	
	26	357+18	LT	R6-1R	ONE WAY	36	12	3.00	E	2.5" PT	X		
	27	358+60	LT	R3-2		24	24	4.00	S	2.5" PT		X	
	28	359+20	RT	R6-1R	ONE WAY	36	12	3.00	E	2.5" PT	X		
				R3-2		24	24	4.00	E			X	
	29	360+38	LT	R2-1	SPEED LIMIT 40	30	36	7.50	S	N/A		X	MOUNT ON POLE
F5	30	361+34	LT	R6-1R	ONE WAY	36	12	3.00	E	2.5" PT	X		
	31	361+56	RT	W11-103		36	36	9.00	N	N/A	X		MOUNT ON POLE
				W7-3AP	NEXT 2 MILES	24	18	3.00	N			X	MOUNT ON POLE
	32	362+74	LT	R7-107M	BUS STOP	18	18	2.25	S	2.5" PT		X	
	33	364+43	RT	R3-5L	ONLY	30	36	7.50	E	N/A		X	MOUNT ON MAST ARM
				R3-5R	ONLY	30	36	7.50	E			X	MOUNT ON MAST ARM
				D3-1	Abbott Rd	54	18	6.75	E		X		MOUNT ON MAST ARM, POPL
				R9-3A		18	18	2.25	E			X	MOUNT ON POLE

DESIGNED BY A.A.
CHECKED BY A.M.L.
DRAFTED BY W.P.

SCALE N/A

DATE 8/12/2025 TIME 1:32 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H07-H16_SUM.DWG BY RYARMAK

STATE OF ALASKA
49TH
AVERIL M. LARSEN
19371
PROFESSIONAL ENGINEER
AS-BUILT
AS-REVISED

HDL ENGINEERING CONSULTANTS, LLC
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AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SUMMARY

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H11	H16

615.0001.0000 – STANDARD SIGN

SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
F5	34	364+43	LT	D3-1	E 88th Ave	60	18	7.50	S	N/A	X		MOUNT ON MAST ARM, POPL
				D3-101	Abbott Rd 1800	30	8	1.67	E/W			X	DOUBLE SIDED SIGN MOUNT ON SIDE OF POLE
				R9-3A		18	18	2.25	W			X	MOUNT ON POLE
				R10-3ER	PUSH	9	15	0.94	W			X	MOUNT ABOVE PEDESTRIAN BUTTON
	35	364+83	RT	W1-7		48	24	8.00	E	2.5" PT	X		
	36	365+38	RT	R10-100	ONLY	30	36	7.50	N	N/A		X	MOUNT ON MAST ARM
				D3-1	E 88th Ave	60	18	7.50	N		X		MOUNT ON MAST ARM, POPL
				R10-3ER	PUSH	9	15	0.94	S			X	MOUNT ABOVE PEDESTRIAN BUTTON
	37	365+38	LT	R10-3EL	PUSH	9	15	0.94	W	N/A		X	MOUNT ABOVE PEDESTRIAN BUTTON
				R10-3ER	PUSH	9	15	0.94	N			X	MOUNT ABOVE PEDESTRIAN BUTTON
F6	38	366+08	RT	R7-107M	BUS STOP	18	18	2.25	N	2.5" PT		X	
	39	366+90	RT	R2-1	SPEED LIMIT 40	30	36	7.50	N	2.5" PT		X	
F7	40	379+07	LT	R6-1R	ONE WAY	36	12	3.00	N	2.5" PT	X		
	41	380+15	RT	R6-1R	ONE WAY	36	12	3.00	S	2.5" PT	X		
	42	381+08	LT	R2-1	SPEED LIMIT 40	30	36	7.50	E	N/A		X	MOUNT ON POLE
F8	43	382+70	LT	R7-107M	BUS STOP	18	18	2.25	E	N/A		X	MOUNT ON POLE
	44	384+28	RT	R4-7C		18	30	3.75	E	2.5" PT		X	
				(2)OM2-1V		6	12	1.00	E/W			X	TWO SIGNS BACK TO BACK

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY WP

SCALE N/A

DATE TIME 8/12/2025 1:32 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H07-H16_SUM.DWG BY RYARMAK

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564-2120
AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SUMMARY

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H12	H16

615.0001.0000 – STANDARD SIGN

SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
F8	45	383+21	LT	R10-100		30	36	7.50	E	N/A		X	MOUNT ON MAST ARM
				D3-102		126	30	26.25	E		X		MOUNT ON MAST ARM, POPL
				D3-101		30	8	1.67	N/S			X	DOUBLE SIDED SIGN MOUNT ON SIDE OF POLE
				R10-3ER		9	15	0.94	S			X	MOUNT ABOVE PEDESTRIAN BUTTON
				R10-3EL		9	15	0.94	E			X	MOUNT ABOVE PEDESTRIAN BUTTON
	46	383+37	RT	R10-100		30	36	7.50	N	N/A		X	MOUNT ON MAST ARM
				D3-1		54	18	6.75	N		X		MOUNT ON MAST ARM, POPL
				R10-3EL		9	15	0.94	N			X	MOUNT ABOVE PEDESTRIAN BUTTON
				R10-3ER		9	15	0.94	E			X	MOUNT ABOVE PEDESTRIAN BUTTON
	47	383+65	RT	R4-7C		18	30	3.75	W	2.5" PT		X	
				(2)OM2-1V		6	12	1.00	E/W			X	TWO SIGNS BACK TO BACK
	48	383+97	LT	R10-100		30	36	7.50	S	N/A		X	MOUNT ON MAST ARM
				D3-1		54	18	6.75	S		X		MOUNT ON MAST ARM, POPL
				R10-3EL		9	15	0.94	S			X	MOUNT ABOVE PEDESTRIAN BUTTON
				R10-3ER		9	15	0.94	W			X	MOUNT ABOVE PEDESTRIAN BUTTON
	49	384+14	RT	R10-100		30	36	7.50	W	N/A		X	MOUNT ON MAST ARM
				D3-102		126	30	26.25	W		X		MOUNT ON MAST ARM, POPL
				D3-101		30	8	1.67	N/S			X	DOUBLE SIDED SIGN MOUNT ON SIDE OF POLE
				R10-3EL		9	15	0.94	W			X	MOUNT ABOVE PEDESTRIAN BUTTON
				R10-3ER		9	15	0.94	N			X	MOUNT ABOVE PEDESTRIAN BUTTON
	50	384+28	RT	R4-7C		18	30	3.75	W	2.5" PT		X	
				(2)OM2-1V		6	12	1.00	E/W			X	TWO SIGNS BACK TO BACK

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SUMMARY

DESIGNED BY A.A.
CHECKED BY A.M.L.
DRAFTED BY W.P.
SCALE N/A
DATE 8/12/2025 TIME 1:32 PM
DRAWING LOCATION H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H07-H16_SUM.DWG BY RYARMAK

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H13	H16

615.0001.0000 – STANDARD SIGN

SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
F8	51	384+44	RT	D11-1	BIKE ROUTE	24	18	3.00	W	2.5" PT		X	
				R5-3	NO MOTOR VEHICLES	24	24	4.00	W			X	
				D11-1	BIKE ROUTE	24	18	3.00	E			X	
				R9-5	USE PED SIGNAL	12	18	1.50	E			X	
	52	386+01	RT	R7-107M	BUS STOP	18	18	2.25	W	N/A		X	MOUNT ON LUMINAIRE
	53	386+55	RT	R4-7C		18	30	3.75	E	2.5" PT		X	
				(2)OM2-1V		6	12	1.00	E/W			X	TWO SIGNS BACK TO BACK
F9	54	386+78	LT	(2)D3-101	Abbott Rd 2300	30	8	3.33	N/S	2.5" PT	X		TWO SIGNS BACK TO BACK
				(2)D3-101	Elim St 9100	36	12	6.00	E/W		X		TWO SIGNS BACK TO BACK
				R1-1	STOP	30	30	6.25	N			X	
	55	390+06	LT	(2)D3-101	Abbott Rd 2400	30	8	3.33	N/S	2.5" PT	X		TWO SIGNS BACK TO BACK
				(2)D3-101	Golovin St 9100	48	12	8.00	E/W		X		TWO SIGNS BACK TO BACK
				R1-1	STOP	30	30	6.25	N			X	
F10	56	392+50	LT	R2-1	SPEED LIMIT 40	30	36	7.50	E	N/A		X	MOUNT ON POLE
	57	393+35	LT	(2)D3-101	Abbott Rd 2500	30	8	3.33	N/S	2.5" PT	X		TWO SIGNS BACK TO BACK
				(2)D3-101	Arlon St 9100	42	12	7.00	E/W		X		TWO SIGNS BACK TO BACK
				R1-1	STOP	30	30	6.25	N			X	
	58	393+80	RT	R3-8L/L/SR	ONLY ONLY	48	30	10.00	W	2.5" PT	X		
	59	393+91	LT	R4-7		24	30	5.00	W	2.5" PT		X	
				R3-2		24	24	4.00	E			X	
				(2)OM2-1V		6	12	1.00	E/W			X	TWO SIGNS BACK TO BACK
	60	394+83	LT	R7-107M	BUS STOP	18	18	2.25	E	N/A		X	MOUNT ON LUMINAIRE

DESIGNED BY AJA
CHECKED BY AAL
DRAFTED BY WP

SCALE N/A

DATE 8/12/2025 TIME 1:32 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H07-H16_SUM.DWG BY RYARMAK

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564-2120
AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SUMMARY

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H14	H16

615.0001.0000 – STANDARD SIGN

SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
F10	61	395+19	LT	R6-1R	ONE WAY	36	12	3.00	S	2.5" PT	X		
	62	396+18	LT	R4-7		24	30	5.00	E	2.5" PT		X	
				(2)OM2-1V		6	12	1.00	E/W			X	TWO SIGNS BACK TO BACK

DESIGNED BY A.L.A.
CHECKED BY A.M.L.
DRAFTED BY W.P.

SCALE N/A

DATE 8/12/2025 TIME 1:32 PM

DRAWING LOCATION
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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SUMMARY

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H15	H16

615.0006.0000 - SALVAGE SIGN

SHEET NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	REMARKS
F1	342+48	RT	R3-5L	LEFT ONLY	
			R3-5A	STRAIGHT ONLY	
			SPECIAL	NORTH SEWARD HWY PLAQUE	
			W11-2	PEDESTRIAN	
	343+26	RT	W1-1R	TURN RIGHT	
			W13-1	ADVISORY SPEED, 15 MPH	
F2	343+26	RT	W11-2	PEDESTRIAN	
			W16-7PL	DIRECTIONAL ARROW LEFT	
	345+39	RT	R1-1	STOP (BIKE)	
			SPECIAL	WALK BIKES	
	345+63	RT	W11-2	PEDESTRIAN	
			W16-7PR	DIRECTIONAL ARROW RIGHT	
	345+77	RT	R1-1	STOP (BIKE)	
	346+24	LT	R3-2	NO LEFT TURN	
			D1-1	SANDLEWOOD PL RIGHT	
			R9-3A	NO PEDESTRIAN CROSSING	
			D3-101	ABBOTT RD	
			R10-3ER	PUSH BUTTON EDUCATIONAL RT	
	346+34	RT	R3-5R	RIGHT ONLY	
			R5-1	DO NOT ENTER	
			R3-5L	LEFT ONLY	
			D1-2A	ABBOTT LT/ DIMOND RT	
			R9-3A	NO PEDESTRIAN	
			R10-3EL	PUSH BUTTON EDUCATIONAL LT	
	346+40	RT	R5-1	DO NOT ENTER	
			R3-8L/L	ADVANCED INTERSECTION LANE CONTROL	
	347+12	LT	R3-5L	LEFT ONLY	
			R3-5L	LEFT ONLY	
			R3-5A	STRAIGHT ONLY	
			R3-5R	RIGHT ONLY	
			D1-2A	DIMOND LT/ABBOT RT	
			D3-101	SANDLEWOOD PL	
			SPECIAL	TO PATHWAY HANDICAP	
			R10-3EL	PUSH BUTTON EDUCATIONAL LT	
			R10-3ER	PUSH BUTTON EDUCATIONAL RT	
	347+16	RT	R5-1	DO NOT ENTER	
			R3-5R	RIGHT ONLY	
	347+36	RT	R3-5L	LEFT ONLY	
			R3-1	NO RIGHT TURN	
			D1-1	SANDLEWOOD PL LEFT	
			D3-101	ABBOTT RD	
			R10-3ER	PUSH BUTTON EDUCATIONAL RT	
			R10-3EL	PUSH BUTTON EDUCATIONAL LT	
	347+82	RT	SPECIAL	NO PARKING	
	348+53	LT	R6-1R	ONE WAY (RIGHT)	

615.0006.0000 - SALVAGE SIGN

SHEET NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	REMARKS
F2	348+86	LT	SPECIAL	SEWARD HWY, DOWNTOWN DIRECTIONAL	
	349+00	RT	D3-101	ABBOTT RD	TWO SIGNS BACK TO BACK
			D3-101	ERIN ST	TWO SIGNS BACK TO BACK
			R6-1R	ONE WAY (RIGHT)	
			R1-1	STOP	
F3	350+31	LT	R2-1	40 MPH	
	351+42	LT	D1-3	SEWARD HWY, LANE DIRECTIONAL	
	352+31	LT	W4-3R	ADDED LANE RIGHT	
	352+48	LT	W11-2	PEDESTRIAN	
			W16-7PL	DIRECTIONAL ARROW LEFT	
	352+74	LT	D3-101	ABBOTT RD	TWO SIGNS BACK TO BACK
			D3-101	E DIMOND BLVD	TWO SIGNS BACK TO BACK
			R1-1	STOP	
	353+22	RT	D3-101	ABBOTT RD	TWO SIGNS BACK TO BACK
			D3-101	CORBIN DR	TWO SIGNS BACK TO BACK
			R1-1	STOP	
F4	355+47	RT	R2-1	40 MPH	
	357+08	LT	D3-101	ABBOTT RD	TWO SIGNS BACK TO BACK
			D3-101	E 85TH CT	TWO SIGNS BACK TO BACK
			R6-1R	ONE WAY (RIGHT)	
			R1-1	STOP	
	357+18	LT	R6-1R	ONE WAY (RIGHT)	
	358+60	LT	R3-7L	LEFT LANE MUST TURN LEFT	
			R3-2	NO LEFT TURN	
	359+20	RT	R6-1R	ONE WAY (RIGHT)	
			R3-2	NO LEFT TURN	
	360+38	LT	R2-1	40 MPH	
F5	361+34	LT	R6-1R	ONE WAY (RIGHT)	
	361+56	RT	W11-103	MOOSE CROSSING	
			W7-3AP	NEXT 2 MILES	
	362+74	LT	R7-107M	BUS STOP	

NOTES:

1. ALL SALVAGED SIGNS SHALL BE RETURNED TO THE ANCHORAGE MUNICIPAL SIGN SHOP (907-343-4384).

STATE OF ALASKA
AVERIAN LARSEN
19371
49TH
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER

HDL ENGINEERING CONSULTANTS, LLC
3335 ARCTIC BLVD, STE 100
ANCHORAGE, AK 99503
(907) 564-2120
AECL861

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SALVAGE

DESIGNED BY: AJA
CHECKED BY: AAL
DRAFTED BY: WP

SCALE: N/A

DATE TIME: 8/12/2025 1:32 PM

DRAWING LOCATION
H:\JOBS\23-016 AMATS ACADEMY VANGUARD & 88TH AVE (DOTCR)\C-ABBOTT RD 1R\CAD\DRAWINGS\01010_H07-H16_SUM.DWG BY RYARMAK

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0506007/CFHWY01010	2025	H16	H16

615.0006.0000 - SALVAGE SIGN

SHEET NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	REMARKS
F5	364+43	RT	R3-5L	LRFT ONLY	
			R-5R	RIGHT ONLY	
			D3-1	ABBOTT RD	
			R9-3A	NO PEDESTRIAN CROSSING	
	364+43	LT	D3-1	E 88TH AVE	
			D3-101	ABBOTT RD	
			R9-3A	NO PEDESTRIAN CROSSING	
			R10-3ER	PUSH BUTTON EDUCATIONAL RT	
	364+83	RT	W1-7	LARGE ARROW, TWO DIRECTION	
	365+38	RT	R10-100	LEFT TURN ONLY, YIELD ON GREEN	
			D3-1	E 88TH AVE	
			R10-3ER	PUSH BUTTON EDUCATIONAL RT	
	365+38	LT	R10-3ER	PUSH BUTTON EDUCATIONAL RT	
			R10-3EL	PUSH BUTTON EDUCATIONAL LT	
F6	366+08	RT	R7-107M	BUS STOP	
	366+90	RT	R2-1	40 MPH	
F7	381+08	LT	R2-1	40 MPH	
F8	382+70	LT	R7-107M	BUS STOP	
	383+21	LT	R10-100	LEFT TURN ONLY, YIELD ON GREEN	
			D3-1	TOLOFF ST	TWO SIGNS BACK TO BACK
			D3-101	ABBOTT RD	
			R10-3ER	PUSH BUTTON EDUCATIONAL RT	
			R10-3EL	PUSH BUTTON EDUCATIONAL LT	
	383+37	RT	R10-100	LEFT TURN ONLY, YIELD ON GREEN	
			D3-1	ABBOTT RD	
			R10-3EL	PUSH BUTTON EDUCATIONAL LT	
			R10-3ER	PUSH BUTTON EDUCATIONAL RT	
	383+97	LT	R10-100	LEFT TURN ONLY, YIELD ON GREEN	
			D3-1	ABBOTT RD	
			R10-3ER	PUSH BUTTON EDUCATIONAL RT	
			R10-3EL	PUSH BUTTON EDUCATIONAL LT	
	384+14	RT	R10-100	LEFT TURN ONLY, YIELD ON GREEN	
			D3-1	INDEPENDENCE DR	TWO SIGNS BACK TO BACK
			D3-101	ABBOTT RD	
			R10-3ER	PUSH BUTTON EDUCATIONAL RT	
			R10-3EL	PUSH BUTTON EDUCATIONAL LT	
	384+28	RT	R4-7	KEEP RIGHT	
	384+44	RT	D11-1	BIKE ROUTE GUIDE	
			R9-5	USE BIKE XING	
			D11-1	BIKE ROUTE GUIDE	
			R5-3	NO MOTOR VEHICLES	
	386+01	RT	R7-107M	BUS STOP	

615.0006.0000 - SALVAGE SIGN

SHEET NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	REMARKS
F8	386+55	RT	R4-7	KEEP RIGHT	
				OBJECT MARKER	
F9	386+78	LT	D3-101	ABBOTT RD	TWO SIGNS BACK TO BACK
			D3-101	ELIM ST	TWO SIGNS BACK TO BACK
			R1-1	STOP	
	390+07	LT	D3-101	ABBOTT RD	TWO SIGNS BACK TO BACK
			D3-101	GOLOVIN ST	TWO SIGNS BACK TO BACK
			R1-1	STOP	
F10	392+50	LT	R2-1	40 MPH	
	393+35	LT	D3-101	ABBOTT RD	TWO SIGNS BACK TO BACK
			D3-101	ARLON ST	TWO SIGNS BACK TO BACK
			R1-1	STOP	
	393+80	RT	R3-8L/L/SR	ADVANCE INTERSECTION CONTROL	
	393+91	LT	R3-2	NO LEFT TURN	
			R4-7C	KEEP RIGHT	
	394+83	LT	R7-107M	BUS STOP	

NOTES:

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ABBOTT RD PAVEMENT PRESERVATION: NEW SEWARD HWY TO LAKE OTIS PARKWAY

SIGN SALVAGE

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CHECKED BY: AAL
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SCALE: N/A

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