DESIGNED BY	---
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SCALE	N/A

DATE	TIME
2/18/2026	5:05 PM

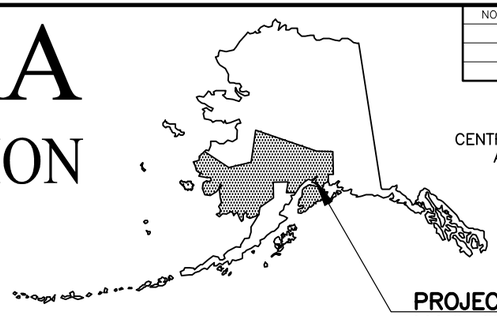
DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\A SHEETS\01073_A01NA02_TTL.DWG

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION		YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073		2026	A01	A04
ROUTE ID	2281107X000	MILEPOINT	5.184 - 5.721		
LATITUDE	61.180771	LONGITUDE	-149.755393		



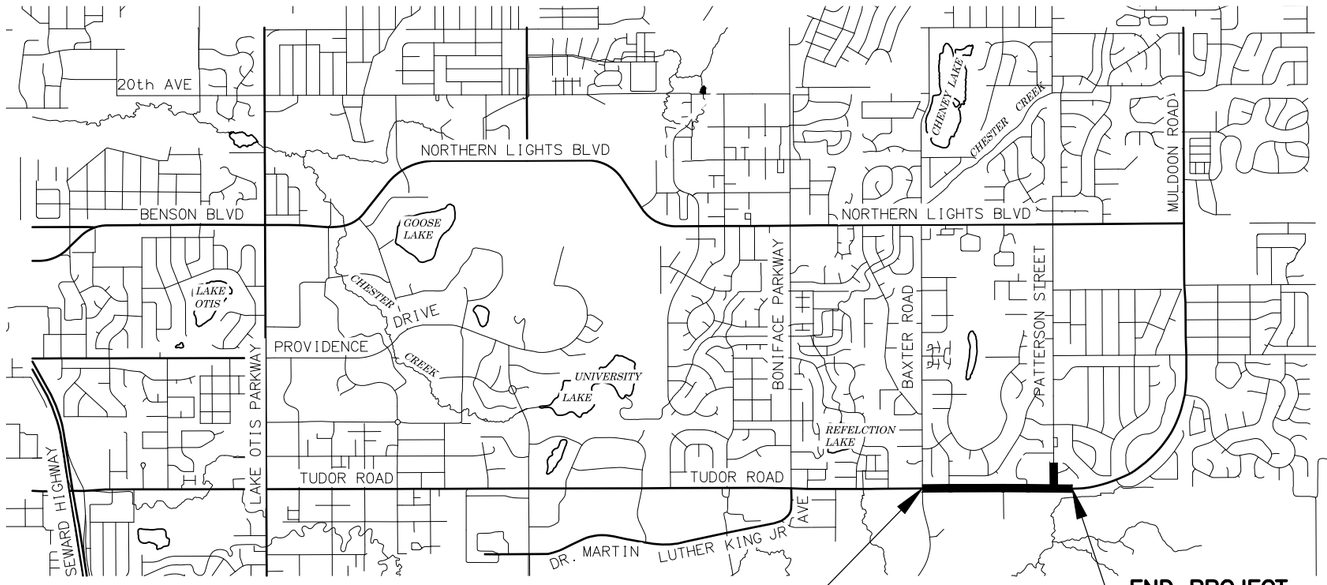
PROPOSED HIGHWAY PROJECT

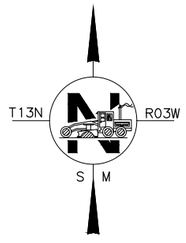
HSIP: TUDOR ROAD: BAXTER ROAD TO PATTERSON STREET CHANNELIZATION
PROJECT NO. 0544023/CFHWY01073

CHANNELIZATION, PAVING, PATHWAYS, SIGNING, AND STRIPING

PROJECT SUMMARY		
ROADWAY	WIDTH	LENGTH
TUDOR ROAD MP 5.184 - 5.721	87 FT	0.5 MILES

DESIGN DESIGNATIONS	
	ROADWAY NAME
FUNCTIONAL CLASS	URBAN ARTERIAL
AADT (2025)	20,300
AADT (2045)	22,635
POSTED SPEED (V) (MPH)	50 MPH
DHV (2025)	2103
DHV (2045)	2345
T-PERCENT COMMERCIAL TRUCKS (%)	3.90%
D-DIRECTIONAL DISTRIBUTION (%)	64%





PS&E REVIEW
February 2026

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

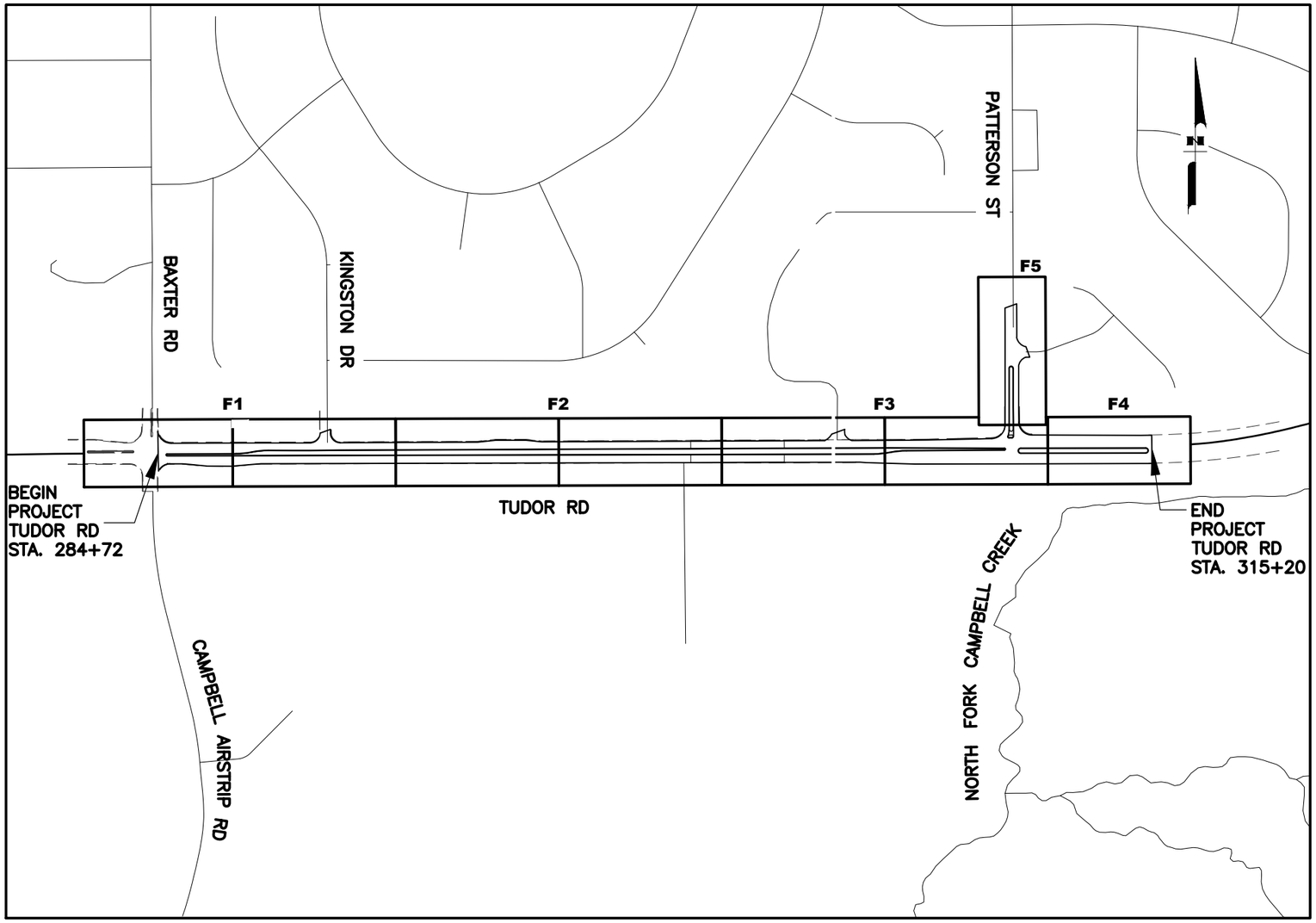
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	A02	A04

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE RIGHT–OF–WAY. 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 TAKEN FROM ALASKA DOT&PF PROJECT TUDOR ROAD, MINNESOTA TO E. 36TH, PAVEMENT PRESERVATION 0544(21)/Z585070000 AND WERE INSERTED INTO THE PLANS USING A COMMON COORDINATE SYSTEM. THE LOCATION OF THE RIGHT–OF–WAY LINES HAVE NOT BEEN SURVEYED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF, AND STAY WITHIN, THE RIGHT–OF–WAY.
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. ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATE METHOD APPROVED BY THE ENGINEER.
5. PLACE 4" TOPSOIL AND SEED ON ANY AREAS DISTURBED BY CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.
6. 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.
7. FOR PARALLEL GUARDRAIL TERMINALS, USE AN END OFFSET OF 2 FEET.
8. PLACE CURB AND GUTTER PRIOR TO FINAL LIFT OF ASPHALT.



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
D–01.02, D–04.22, D–08.00, D–20.05, D–22.01, D–23.01, D–24.00, D–26.04, D–35.10
G–00.05, G–05.11S, G–05.11W, G–10.21, G–14.01, G–20.12
I–21.12, I–22.11
S–00.12, S–05.02, S–31.02
T–20.04, T–21.04, T–22.04

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 DOT&PF
4111 AVIATION AVENUE
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(907) 269–0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

SHEET LAYOUT, INDEX, AND GENERAL NOTES

DESIGNED BY
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DATE TIME
2/18/2026 10:57 PM

DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION – CFHWY01073\CIV3D\PLANSET\A SHEETS\01073_A01NA02_TTL.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	A03	A04

ROADWAY

EXISTING / PROPOSED

- EDGE OF PAVEMENT
- 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
- STONE FENCE
- NOISE BARRIER
- RETAINING WALL
- HEADWALL & WINGWALL
- BOTTOM OF DITCH
- SPECIAL DITCH
- FLAT BOTTOM DITCH
- BERM
- RIPRAP
- BOULDER OR BOULDERS
- PRIVATE SIGN, MAILBOX (MB)
- POST, BOLLARD
- WIM

UTILITIES

EXISTING / PROPOSED

- STORM DRAIN (SD)
- STORM DRAIN MANHOLE, CLEANOUT (SD, CO)
- CURB INLET CATCH BASIN / FIELD INLET CATCH BASIN (FI)
- PIPE CULVERT WITH END SECTION
- SANITARY SEWER (SS)
- SANITARY SEWER MANHOLE, CLEANOUT (SS, CO)
- SEPTIC VENT, SEWER SERVICE CONNECTION (S)
- WATER (W)
- FIRE HYDRANT, VALVE OR RISER
- WELL, WATER SERVICE CONNECTION (W)
- NATURAL GAS (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)
- 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

- LAKE OR POND, WETLANDS (LAKE/POND)
- TREE (CONIFER/DECIDUOUS) / TREELINE (EDGE OF VEGETATION)
- PLANTER (P)
- BUILDING OR FOUNDATION

EXISTING / PROPOSED

- CONTOUR, MAJOR OR MINOR (520)
- DRAINAGE FLOW
- CREEK (CENTERLINE)
- 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)
- 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 (Y, R)
- RURAL & SCHOOL ZONE BEACON
- LOOP DETECTOR CONDUIT
- SIGNAL CONDUIT (TR)
- LIGHTING CONDUIT (LTG)
- SIGNAL & LIGHTING CONDUIT (T/L)
- CONDUIT BORING
- CONDUIT SIZE IN INCHES (2" 1-3C4; 2" 1-3C4 CKT BA12 CKT BA13)
- INTERCONNECT (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))
- LADDER CROSSWALK LAYOUT — 2' WIDE RUNGS WITH 2' SPACES ALIGNED TO AVOID TIRE PATHS (10', 12', (2)-4"Y 3" APART)
- TYPICAL PAINTED MEDIAN (VARIES, 18"Y @ 45°)

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, R3W, R2W)
- 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

PS&E REVIEW

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

LEGEND

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SCALE 1" = 1'

TIME 10:55 AM

DATE 2/18/2026

DRAWING LOCATION
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	A04	A04

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RESERVED FOR SURVEY CONTROL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

SURVEY CONTROL SHEET

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	B01	B02

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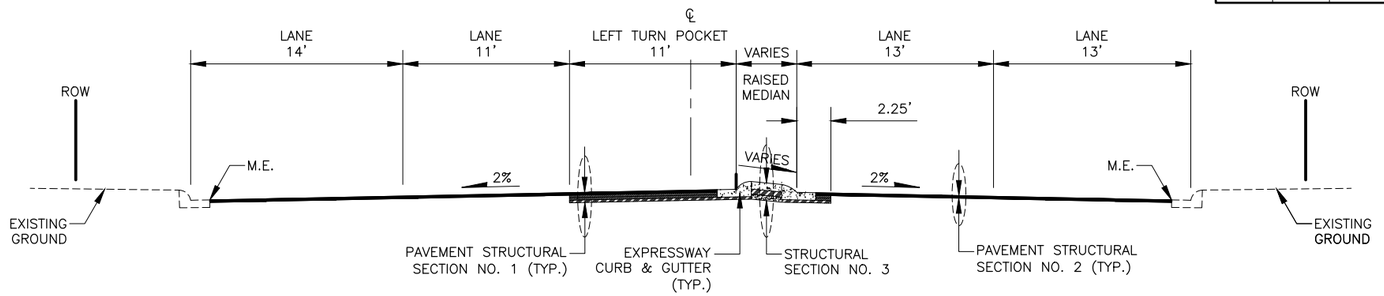
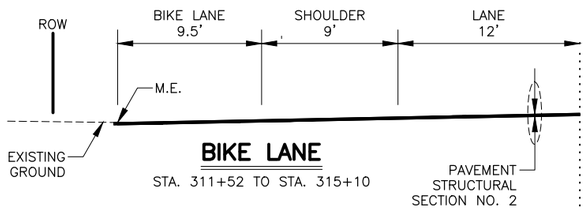


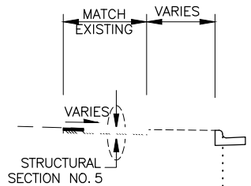
TUDOR ROAD

"T" STA. 284+96 TO "T" STA. 288+10



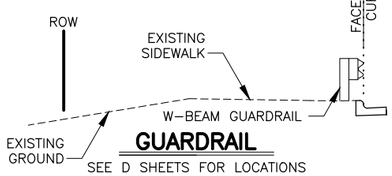
BIKE LANE

STA. 311+52 TO STA. 315+10



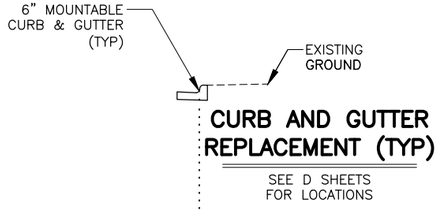
ASPHALT SIDEWALK

SEE D SHEETS FOR LOCATIONS



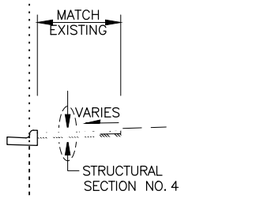
GUARDRAIL

SEE D SHEETS FOR LOCATIONS



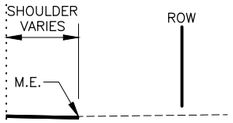
CURB AND GUTTER REPLACEMENT (TYP)

SEE D SHEETS FOR LOCATIONS



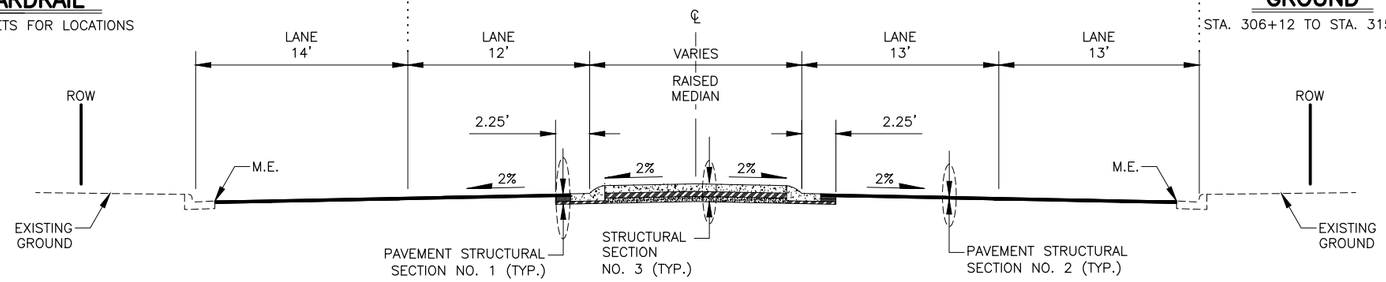
CONCRETE SIDEWALK (TYP)

SEE D SHEETS FOR LOCATIONS



EXISTING GROUND

STA. 306+12 TO STA. 315+10

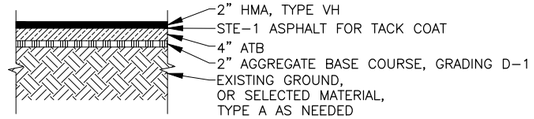


TUDOR ROAD

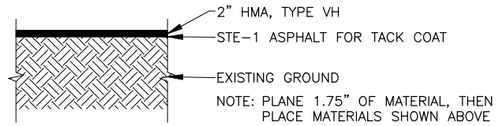
"T" STA. 288+10 TO "T" STA. 301+07
"T" STA. 303+94 TO "T" STA. 305+47
"T" STA. 310+71 TO "T" STA. 315+20

TYPICAL SECTION NOTES:

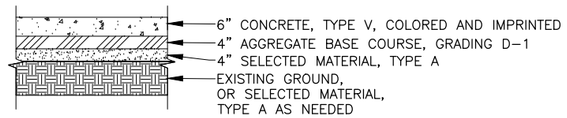
1. CONTRACTOR MUST COMPLETE AN AS-BUILT SURVEY OF THE EXISTING OUTER CURB LINES PRIOR TO BEGINNING REMOVAL OF CURB AND GUTTER. LAY OUT MEDIAN CURB BASED ON LANE AND SHOULDER OFFSET WIDTHS FROM THE OUTER CURB LINE WITH A 2% SLOPE UPWARDS TOWARDS THE CENTERLINE.
2. REPLACE CURB AND GUTTER AND SIDEWALK PRIOR TO FINAL LIFT OF ASPHALT. REPLACE TO NEAREST EXPANSION JOINTS.
3. IN AREAS WITH PAVEMENT PLANING, ADJUST PLANING DEPTH AS NEEDED TO ENSURE RESULTING SURFACE IS FREE OF DEBRIS AND IS OF ADEQUATE SMOOTHNESS FOR PAVING.



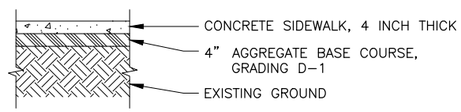
PAVEMENT STRUCTURAL SECTION NO. 1



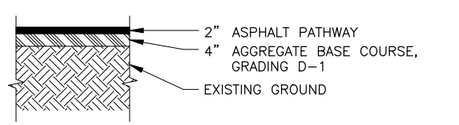
PAVEMENT STRUCTURAL SECTION NO. 2



STRUCTURAL SECTION NO. 3 - MEDIAN



STRUCTURAL SECTION NO. 4 - CONCRETE SIDEWALK



STRUCTURAL SECTION NO. 5 - ASPHALT SIDEWALK

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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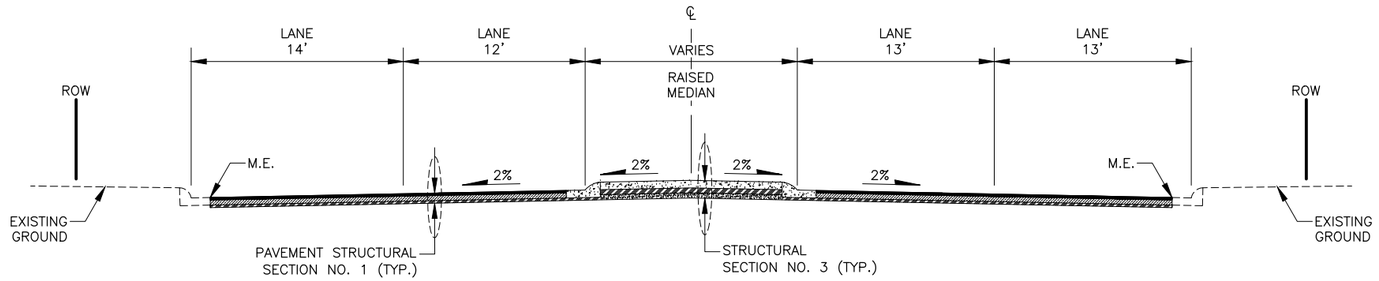
HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

TYPICAL SECTIONS

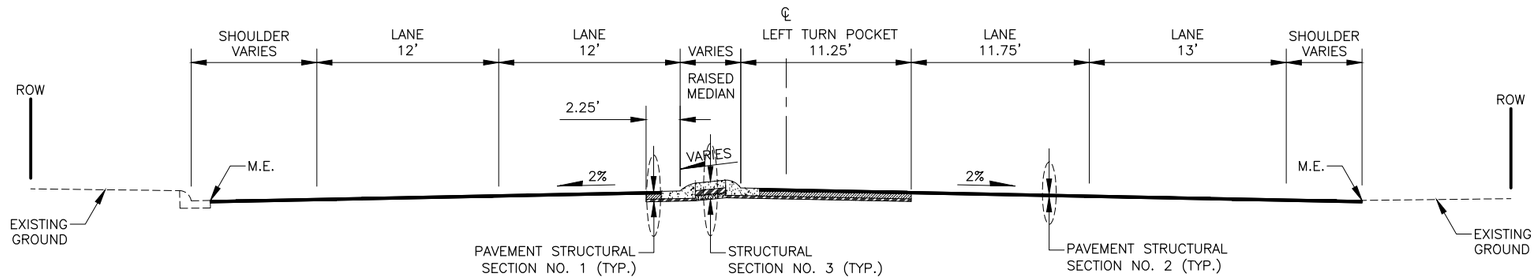
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	B02	B02



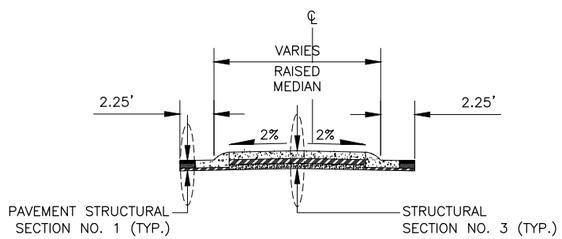
TUDOR ROAD

"T" STA. 301+07 TO "T" STA. 303+94



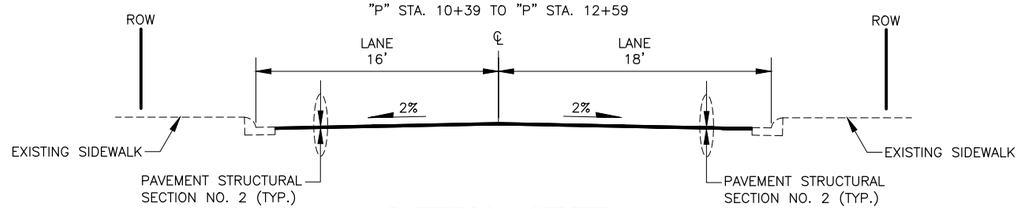
TUDOR ROAD

"T" STA. 305+47 TO "T" STA. 310+71



PATTERSON STREET

"P" STA. 10+39 TO "P" STA. 12+59



PATTERSON STREET

"P" STA. 10+39 TO "P" STA. 14+46

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

TYPICAL SECTIONS

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SCALE 1" = 1'

DATE 2/18/2026 TIME 10:14 PM

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W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\B SHEETS\01073_B01_TYP.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	C01	C01

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201.0001.0000	CLEARING	ACRE	0.9
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	ALL REQ'D
202.0002.0000	REMOVAL OF PAVEMENT	SY	6,200
202.0003.0000	REMOVAL OF SIDEWALK	SY	1,000
202.0004.0000	REMOVAL OF CULVERT PIPE	LF	1,014
202.0008.0000	REMOVAL OF INLET	EACH	6
202.0009.0000	REMOVAL OF CURB AND GUTTER	LF	2,700
202.2023.0000	PAVEMENT PLANING	SY	18,900
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	345
203.0006.000A	BORROW, TYPE A	TON	4,100
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	1,560
306.0001.0000	ATB	TON	630
306.0002.5228	ASPHALT BINDER, GRADE PG 52-28	TON	40
408.2001.00VH	HMA, TYPE VH	TON	2,250
408.2004.6440	ASPHALT BINDER, GRADE PG 64-40	TON	130
408.2008.002A	HMA PRICE ADJUSTMENT, TYPE VH	CS	ALL REQ'D
408.2009.0000	LONGITUDINAL DENSITY PRICE ADJUSTMENT	CS	ALL REQ'D
408.2010.0001	PAVEMENT SMOOTHNESS PRICE ADJUSTMENT, METHOD 1	CS	ALL REQ'D
408.2014.0000	JOINT ADHESIVE	LF	2,500
408.2015.0000	ASPHALT MATERIAL PRICE ADJUSTMENT	CS	ALL REQ'D
408.2021.0000	ASPHALT BINDER PRICE ADJUSTMENT	CS	ALL REQ'D
603.2032.0018	CORRUGATED HDPE PIPE 18 INCH	LF	1,014
604.0001.0001	STORM SEWER MANHOLE, TYPE I	EACH	3
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	5
604.0005.000A	INLET, TYPE A	EACH	3
604.0010.0000	RECONSTRUCT INLET	EACH	2
604.0012.0000	REPLACE INLET FRAME AND GRATE	EACH	5
606.0001.0000	W-BEAM GUARDRAIL	LF	550
606.0013.0000	PARALLEL GUARDRAIL TERMINAL	EACH	1
608.0001.0004	CONCRETE SIDEWALK, 4 INCHES THICK	SY	105
608.0003.0000	ASPHALT SIDEWALK	SY	730
608.0006.0000	CURB RAMP	EACH	11
608.2013.E006	CONCRETE, TYPE V, 6 INCHES THICK, COLORED AND PATTERN IMPRINTED, MEDIAN WITH COLORED AND PATTERN CONCRETE TOP	SY	4,000
609.0002.0001	CURB AND GUTTER, TYPE 1	LF	8,500
615.0001.0000	STANDARD SIGN	SF	22
615.0005.0000	DELINEATOR, FLEXIBLE	EACH	20
615.0006.0000	SALVAGE SIGN	EACH	2
618.0002.0000	SEEDING	LB	35
618.0003.0000	WATER FOR SEEDING	MGAL	20
620.0001.0000	TOPSOIL	SY	2,100
627.0010.0000	ADJUSTMENT OF VALVE BOX	EACH	4
639.2000.0000	APPROACH	EACH	2

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
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
641.0007.0000	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	300
642.0011.0000	ADJUST EXISTING MONUMENT CASE	EACH	2
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
647.2002.0000	BACKHOE, 4WD, 1 CY BUCKET, 75 HP MIN, 15 FT DEPTH	CS	ALL REQ'D
660.2004.0000	ADJUST JUNCTION BOX	EACH	3
660.2005.0002	JUNCTION BOX, TYPE 2	EACH	3
669.2003.0000	AUTOMATED TRAFFIC RECORDER	LS	ALL REQ'D
670.2000.0000	MMA PAVEMENT MARKINGS	LS	ALL REQ'D

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	UNIT
203.0006.000A	BORROW, TYPE A	144 LB./C.F.
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	144 LB./C.F.
306.0001.0000	ATB	151 LB./C.F.
306.0002.5228	ASPHALT BINDER, GRADE PG 52-28	5.3% OF TOTAL WEIGHT OF 306.0001.0000
408.2001.00VH	HMA, TYPE VH	151 LB./C.F.
408.2004.6440	ASPHALT BINDER, GRADE PG 64-40	5.3% OF TOTAL WEIGHT OF 408.2001.00VH

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HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

ESTIMATE OF QUANTITIES

DESIGNED BY
CHECKED BY
DRAFTED BY

SCALE
X" = XX'

DATE TIME
2/22/2026 10:28 PM

DRAWING LOCATION
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ALASKA	0544023/CFHWY01073	2026	D01	D04

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SCALE 1"=1'

DATE 2/22/2026 TIME 7:38 PM

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201.0001.0000 - CLEARING

SHEET	STATION FROM	STATION TO	OFFSET	AREA (ACRES)	REMARKS
F1	286+30	298+20	LT	0.27	CLEAR 10' PAST EDGE OF SIDEWALK
F1-F2	287+10	296+50	RT	0.32	CLEAR 15' BEYOND EDGE OF ROADWAY
F1-F2	290+50	294+30	LT	0.09	CLEAR 10' BEYOND EDGE OF SIDEWALK
F3	301+00	306+20	RT	0.18	CLEAR 15' BEYOND EDGE OF ROADWAY
			TOTAL:	0.86	
			PAY ITEM QUANTITY:	0.9	

202.0002.0000, 202.2023.0000 - REMOVAL OF PAVEMENT AND PAVEMENT PLANING

SHEET	STATION FROM	STATION TO	202.0002.0000 REMOVAL OF PAVEMENT (SY)	202.2023.0000 PAVEMENT PLANING (SY)	REMARKS
F1	284+96	292+00	-	3647	
F1	285+03	292+00	1417	-	
F2	292+00	301+07	2030	5102	
F3	303+94	310+71	1527	-	
F3	311+09	312+00	187	-	
F3	303+94	312+00	-	6324	INCLUDES PATTERSON ST UNTIL STA. 10+90
F3	10+39	10+90	94	-	
F4	312+00	315+09	633	-	
F4	312+00	315+20	-	2492	
F5	10+90	12+59	286	-	
F5	10+90	14+46	-	1292	
		TOTAL(SY):	6174	18857	
		PAY ITEM QUANTITY(SY):	6200	18900	

202.0003.0000 - REMOVAL OF SIDEWALK

SHEET	STATION FROM	STATION TO	OFFSET	AREA (SY)	REMARKS
F1	289+32	289+66	LT	45	
F1	290+04	290+38	LT	44	
F2	296+67	302+00	LT	475	
F3	302+00	304+56	LT	227	
F3	310+40	310+66	LT	31	
F5	12+62	12+87	RT	27	
F5	12+67	12+88	LT	22	
F5	13+24	13+41	RT	15	
F5	14+22	14+40	RT	30	
			TOTAL(SY):	915	
			PAY ITEM QUANTITY(SY):	1000	

202.0001.0000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS

SHEET	STATION FROM	STATION TO	OFFSET	REMARKS
F2-F3	301+06	303+93	LT/RT	WEIGH-IN-MOTION SLAB
		PAY ITEM QUANTITY (LS):	ALL REQ'D	

202.0009.0000 & 609.0002.0001 - CURB AND GUTTER SUMMARY

SHEET	STATION FROM	STATION TO	OFFSET	202.0009.0000 REMOVAL OF CURB AND GUTTER (LF)	609.0002.0001 CURB AND GUTTER, TYPE 1 (LF)	REMARKS
F1	284+95	286+46	RT	313	-	
F1	284+95	292+00	CL	-	1411	
F1	285+15	288+31	RT	317	317	
F1	289+17	289+68	LT	58	58	
F1	290+02	290+35	LT	43	43	
F2	292+00	302+00	CL	-	2000	
F2	294+28	302+00	LT	772	772	
F2	300+97	302+00	RT	103	103	
F3	302+00	310+71	CL	-	1742	
F3	302+00	304+44	LT	244	244	
F3	302+00	304+44	RT	244	244	
F3	310+16	310+68	LT	65	65	
F3	10+39	10+50	CL	-	41	
F3	10+59	10+90	CL	67	-	
F3	10+59	10+90	CL	-	68	
F3	311+09	312+00	CL	-	187	
F3	311+18	311+87	LT	39	75	
F4	312+00	315+09	CL	-	623	
F5	10+90	12+56	CL	338	-	
F5	10+90	12+59	CL	-	342	
F5	12+64	12+89	RT	35	35	
F5	12+67	12+88	LT	20	20	
F5	13+22	13+37	RT	18	18	
F5	14+23	14+40	RT	18	18	
			TOTAL(LF):	2694	8426	
			PAY ITEM QUANTITY(LF):	2700	8500	

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HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

SUMMARY TABLES

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	D02	D04

DESIGNED BY SLH
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SCALE 1"=1'

DATE 2/22/2026 TIME 7:39 PM

DRAWING LOCATION
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202.0004.0000 & 603.2032.0018 - PIPE SUMMARY

SHEET	PIPE NO.	INLET		OUTLET		202.0004.0000	603.2032.0018	REMARKS
		STATION	OFFSET	STATION	OFFSET	REMOVAL OF CULVERT PIPE (LF)	CORRUGATED HDPE PIPE 18 INCH (LF)	
F2	P2-1	296+86	32.2 LT	296+86	33.9 RT	66	66	MATCH EXISTING OUTLET
F2	P2-2	299+36	32.3 LT	296+86	32.2 LT	250	250	
F2	P2-3	299+36	33.8 RT	299+36	32.3 LT	66	66	
F2	P2-4	301+85	32.2 LT	299+36	32.3 LT	250	250	
F2	P2-5	301+85	33.7 RT	301+85	32.2 LT	66	66	
F3	P3-1	304+36	32.3 LT	301+85	32.2 LT	250	250	MATCH EXISTING INLET
F3	P3-2	304+36	33.7 RT	304+36	32.3 LT	66	66	MATCH EXISTING OUTLET
TOTAL PAY ITEM QUANTITY (LF):						1,014	1,014	

202.0008.0000, 604.0001.0001, 604.0004.0000, 604.0005.000A, 604.0010.0000, 604.0012.0000 - INLET AND MANHOLE SUMMARY

SHEET	STATION	OFFSET	202.0008.0000	604.0001.0001	604.0004.0000	604.0005.000A	604.0010.0000	604.0012.0000	REMARKS
			REMOVAL OF INLET (EA)	STORM SEWER MANHOLE, TYPE 1 (EA)	ADJUST EXISTING MANHOLE (EA)	INLET, TYPE A (EA)	RECONSTRUCT INLET (EA)	REPLACE INLET FRAME AND GRATE (EA)	
F1	287+94	33.8 RT						X	
F1	289+37	32.0 LT						X	
F1	289+77	61.4 LT			X				KINGSTON DRIVE
F1	290+03	59.6 LT						X	
F2	294+36	31.9 LT						X	
F2	296+86	32.2 LT	X	X					S2-1
F2	296+86	33.9 RT					X		XS2-1
F2	299+36	32.3 LT	X	X					S2-2
F2	299+36	33.8 RT	X			X			S2-3
F2	301+85	32.2 LT	X	X					S2-4
F2	301+85	33.7 RT	X			X			S2-5
F3	304+36	32.3 LT					X		XS3-1
F3	304+36	33.7 RT	X			X			S3-1
F3	310+39	40.7 LT						X	
F3	310+80	82.4 LT			X				PATTERSON ST
F5	11+39	12.2 LT			X				PATTERSON ST
F5	13+34	9.3 RT			X				PATTERSON ST
F5	14+04	0.4 RT			X				PATTERSON ST
TOTAL PAY ITEM QUANTITY (EA):			6	3	5	3	2	5	

606 ITEMS - GUARDRAIL SUMMARY

SHEET	STATION TO STATION			606.0001.0000	606.0013.0000	REMARKS
	FROM	TO	OFFSET	W-BEAM GUARDRAIL (LF)	PARALLEL GUARDRAIL TERMINAL (EA)	
F2-F3	296+87	303+00	LT	550	1	INSTALL W31 DOWNSTREAM END ANCHOR FROM STA 296+87 TO STA 297+00
TOTAL PAY ITEM QUANTITY:				550	1	

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608.0001.0004 - CONCRETE SIDEWALK, 4 INCHES THICK

SHEET	STATION FROM	STATION TO	OFFSET	AREA (SY)	REMARKS
F1	289+32	289+66	LT	16	
F1	290+04	290+38	LT	12	
F3	310+40	310+66	LT	10	
F3	311+19	311+47	LT	6	
F5	12+62	12+87	RT	7	
F5	12+67	12+88	LT	17	
F5	13+24	13+41	RT	10	
F5	14+22	14+40	RT	25	
			TOTAL(SY):	103	
			PAY ITEM QUANTITY(SY):	105	

608.2013.E006 - CONCRETE, TYPE V, 6 INCHES THICK, COLORED AND PATTERN IMPRINTED, MEDIAN WITH COLORED AND PATTERN CONCRETE TOP

SHEET	STATION FROM	STATION TO	OFFSET	AREA (SY)	REMARKS
F1	285+03	292+00	CL	707	
F2	292+00	302+00	CL	1580	
F3	302+00	310+69	CL	934	
F3	311+11	312+00	CL	121	
F3	10+41	10+48	CL	9	
F3	10+60	10+90	CL	32	
F4	312+00	315+07	CL	422	
F5	10+60	12+57	CL	170	
			TOTAL(SY):	3976	
			PAY ITEM QUANTITY(SY):	4000	

608.0003.0000 - ASPHALT SIDEWALK

SHEET	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	AREA (SY)	REMARKS
F2	296+67	LT	302+00	LT	475	
F3	302+00	LT	304+56	LT	227	
F3	311+47	LT	311+76	LT	25	
				TOTAL(SY)	727	
				PAY ITEM QUANTITY(SY):	730	

608.0006.0000 - CURB RAMP

SHEET	STATION	OFFSET	ASP ONLY*	DETAIL	DETECTABLE WARNING TILE** RADIUS (FT)	DETECTABLE WARNING TILE** LENGTH (FT)	REMARKS
F1	289+55	LT	X		30	6.5	PARALLEL CURB RAMP
F1	290+16	LT	X		30	6.5	PARALLEL CURB RAMP
F3	310+58	LT	X		35	5.5	PARALLEL CURB RAMP
F3	310+83	LT		X	N/A	8.0	MEDIAN CUT THROUGH
F3	310+97	LT		X	N/A	8.0	MEDIAN CUT THROUGH
F3	311+31	LT	X		40	5.5	PARALLEL CURB RAMP
F4	312+12	LT		X			BIKE RAMP - DETAIL TBD
F5	12+78	LT	X		N/A	4.0	PERPENDICULAR CURB RAMP
F5	12+79	RT	X		30	5.0	PARALLEL CURB RAMP
F5	13+30	RT	X		N/A	4.0	PERPENDICULAR CURB RAMP
F5	14+32	RT	X		N/A	4.0	PERPENDICULAR CURB RAMP
*CURB RAMPS MUST COMPLY WITH ALL CONDITIONS SHOWN IN ALASKA STANDARD PLANS I-21 AND I-22							
**LENGTH AND RADIUS OF DETECTABLE WARNING TILE ARE MEASURED FROM THE CURB LINE							
				PAY ITEM TOTAL QUANTITY (EA):		11	

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615.0005.0000 - DELINEATOR, FLEXIBLE

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	285+01	6.3 RT	1	
F1	287+10	4.7 RT	1	
F1	287+35	3.5 RT	1	
F1	287+60	0.3 LT	1	
F1	287+85	4.0 LT	1	
F1	288+10	5.2 LT	1	
F3	305+47	6.8 RT	1	
F3	305+72	5.5 RT	1	
F3	305+97	1.8 RT	1	
F3	306+22	2.0 LT	1	
F3	306+47	3.3 LT	1	
F3	310+67	5.7 LT	1	
F3	10+42	9.5 LT	1	
F3	10+42	2.5 RT	1	
F3	10+47	2.5 RT	1	
F3	10+47	7.9 LT	1	
F3	10+65	2.9 RT	1	
F3	311+18	5.7 RT	1	
F4	315+00	5.0 LT	1	
F5	12+52	5.4 LT	1	
		TOTAL(EA):	20	
		PAY ITEM QUANTITY(EA):	20	

618.0002.0000 - SEEDING

SHEET	STATION		OFFSET	WEIGHT (LB)	REMARKS
	FROM	TO			
F1	287+08	288+36	RT	0.98	
F1	289+13	289+35	LT	0.25	
F1	289+27	289+63	LT	0.85	
F1	290+06	290+43	LT	0.33	
F1	290+36	290+43	LT	0.05	
F2	294+23	295+21	LT	0.68	
F2	296+66	297+06	RT	0.8	
F2	299+16	299+56	RT	0.81	
F2-F3	296+01	304+56	LT	11.1	
F2-F3	296+66	304+56	LT	5.92	
F2-F3	300+87	304+55	RT	3.67	
F3	310+33	310+58	LT	0.27	
F3	311+15	311+67	LT	0.44	
F3	311+76	311+91	LT	0.24	
F5	12+56	12+83	RT	0.25	
F5	12+63	12+93	LT	0.36	
F5	13+20	13+46	RT	0.46	
F5	13+36	13+46	RT	0.1	
F5	14+17	14+45	RT	0.49	
F5	14+40	14+45	RT	0.1	
			TOTAL(LB):	33.7	
			PAY ITEM QUANTITY(LB):	35	

642.0011.0000 - ADJUST EXISTING MONUMENT CASE

SHEET	STATION	OFFSET	REMARKS
F3	310+91.10	20.3 LT	
F5	13+03.5	0.3 LT	
	TOTAL(EA):	2	
	PAY ITEM QUANTITY(EA):	2	

660.2004.0000 - ADJUST JUNCTION BOX

SHEET	STATION	OFFSET	REMARKS
F1	285+01	5.6 RT	
F1	285+38	5.4 RT	
F1	289+38	35.7 LT	
	TOTAL(EA):	3	
	PAY ITEM QUANTITY(EA):	3	

660.2005.0002 - JUNCTION BOX, TYPE 2

SHEET	STATION	OFFSET	REMARKS
F3	302+49	3.4 LT	
F3	302+66	3.4 LT	
F3	302+82	3.4 LT	
	TOTAL(EA):	3	
	PAY ITEM QUANTITY(EA):	3	

627.0010.0000 - ADJUSTMENT OF VALVE BOX

SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F2	300+83	26.2 RT	1	
F2	300+87	31.0 RT	1	
F2	300+89	6.3 RT	1	
F2	300+90	30.0 RT	1	
		PAY ITEM QUANTITY(EA):	4	

639.2000.000 - APPROACH

SHEET	STATION	OFFSET	TYPE	REMARKS
F1	289+86	LT	PUBLIC	TUDOR RD/KINGSTON DR
F5	13+03	RT	PUBLIC	PATTERSON ST/AMBLER LN
		PAY ITEM QUANTITY(EA):	2	

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CHECKED BY RRH
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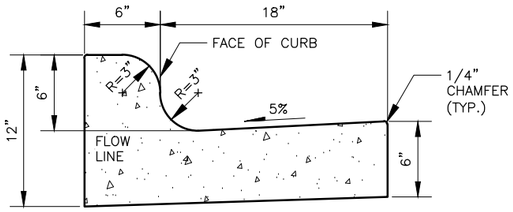
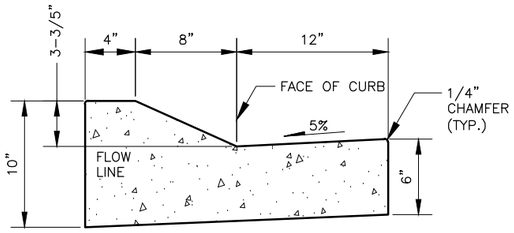
			ALASKA	0544023/CFHWY01073	2026	E01	E02

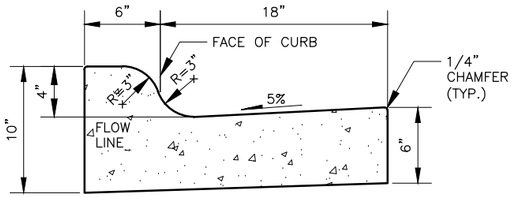
DESIGNED BY MMN
CHECKED BY RRH
DRAFTED BY VJS
SCALE 1" = 5'
DATE TIME 2/18/2026 10:06 AM
DRAWING LOCATION W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION – CFHWY01073\CIV3D\PLANSET\E SHEETS\01073_E.DWG



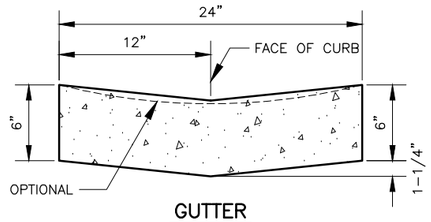
6" MOUNTABLE CURB & GUTTER



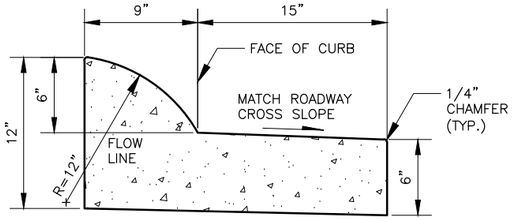
LOW PROFILE CURB & GUTTER



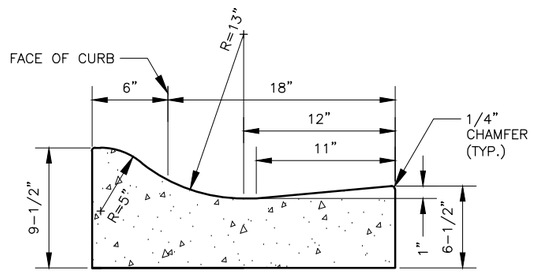
4" MOUNTABLE CURB & GUTTER



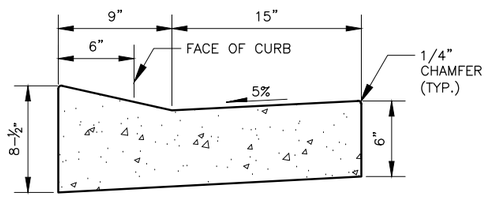
GUTTER



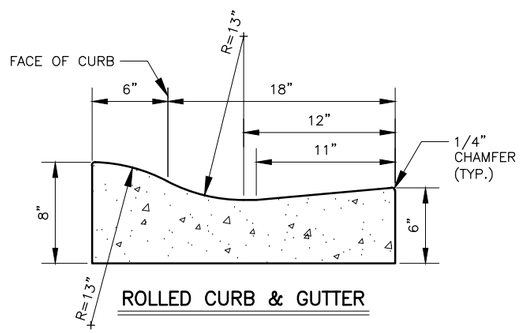
EXPRESSWAY CURB & GUTTER (MEDIAN)



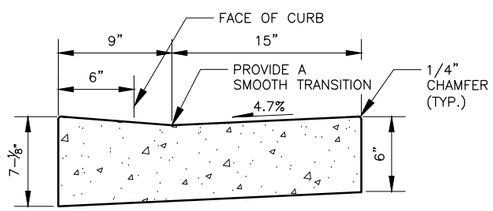
ROUNDABOUT TRUCK APRON CURB & GUTTER



DEPRESSED CURB & GUTTER (CURB CUT)



ROLLED CURB & GUTTER

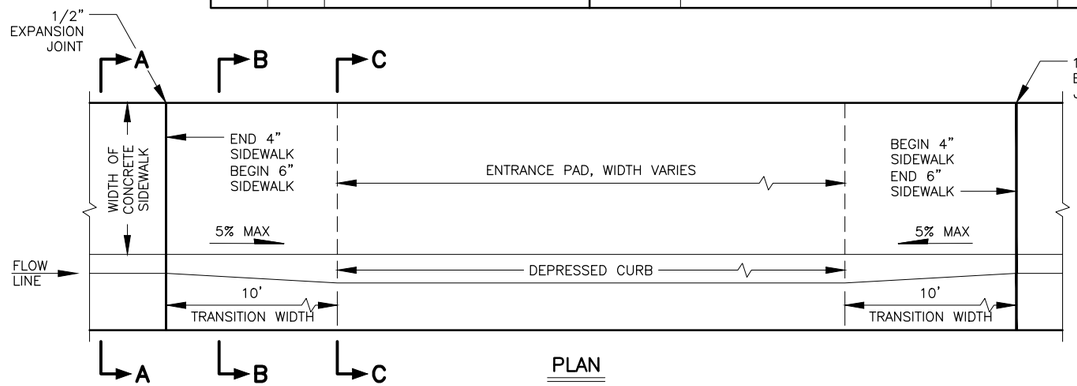


ADA CURB & GUTTER

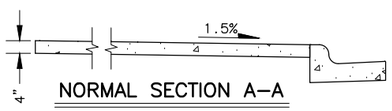
CURBS

CURB NOTES:

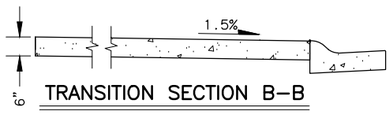
1. MOUNTABLE, DEPRESSED, ROLLED, AND EXPRESSWAY GUTTER PANS SHALL MATCH THE ROADWAY CROSS SLOPE IN THE HIGH SIDE OF SUPER ELEVATED AREAS.
2. USE THE CURB RAMP CURB & GUTTER FOR ALL CURB RAMPS.



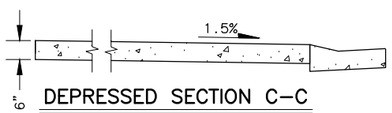
PLAN



NORMAL SECTION A–A



TRANSITION SECTION B–B

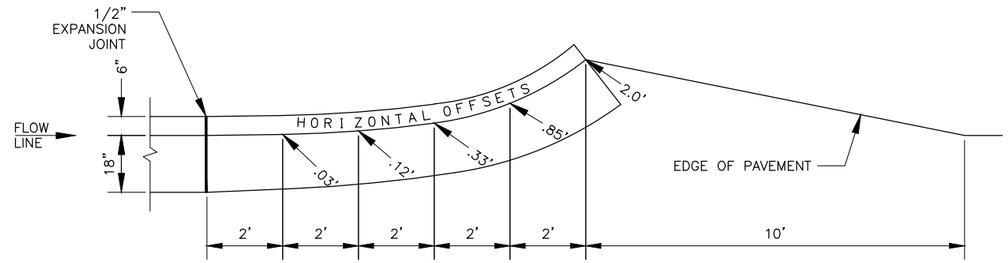


DEPRESSED SECTION C–C

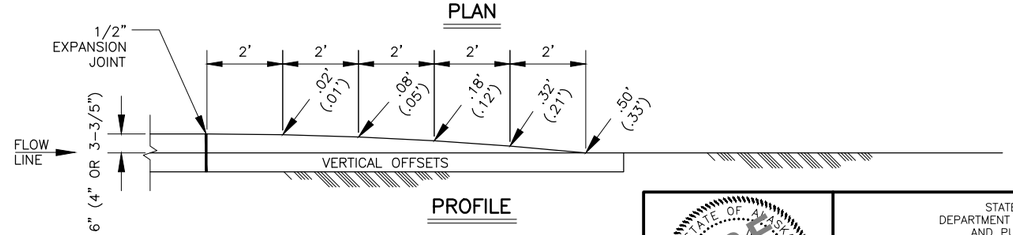
CURB CUT NOTES:

1. TRANSITION WIDTH IS SHOWN FOR 6 INCH HIGH CURB & GUTTER.
2. WHERE THE SIDEWALK SLOPE MAKES IT NECESSARY TO LENGTHEN A RAMP RUN TO AVOID EXCEEDING THE ALLOWABLE RAMP SLOPE, DO NOT EXCEED A RAMP LENGTH OF 15 FEET. THE SLOPE RESULTING FROM THAT RUN LENGTH IS ACCEPTABLE, EVEN IF IT EXCEEDS THE MAXIMUM SLOPE SHOWN.
3. CONSTRUCT RAMP RUNS AND LANDINGS OF CONCRETE WHEN CONCRETE SIDEWALK IS PRESENT.
4. PROVIDE A BROOMED FINISH ON CONCRETE RAMP RUNS PERPENDICULAR TO THE RAMP SLOPE.

VEHICULAR CURB CUT



PLAN



PROFILE

CURB & GUTTER TERMINATION TRANSITIONS

TERMINATION NOTES:

1. NUMBERS IN PARENTHESIS ARE FOR 4 INCH MOUNTABLE AND LOW PROFILE CURB & GUTTER.

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

PRELIMINARY NOT FOR CONSTRUCTION

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

CURB DETAILS

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	E02	E02

DESIGNED BY MMN
CHECKED BY RRH
DRAFTED BY VJS

SCALE 1" = 5'

DATE TIME 2/18/2026 10:06 AM

DRAWING LOCATION
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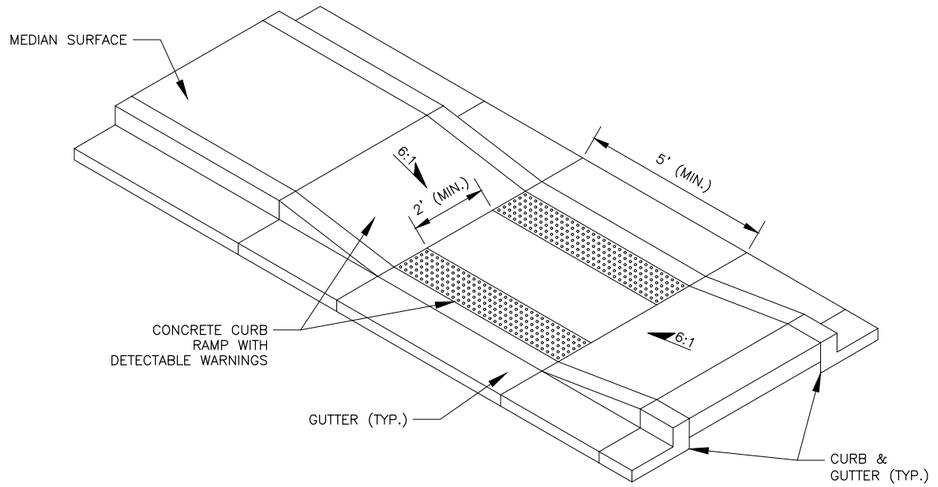
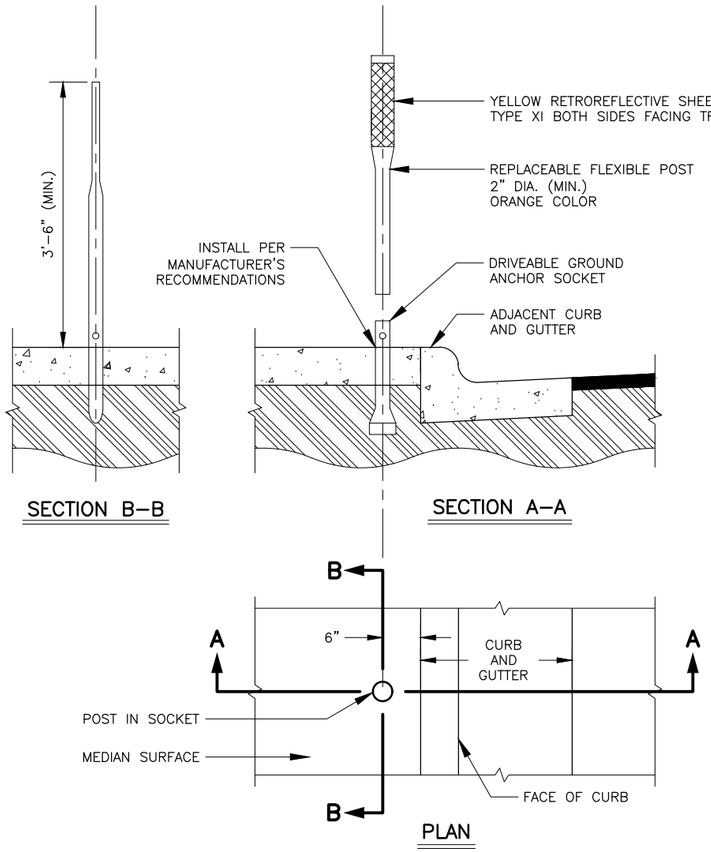


RAISED MEDIAN CURB RAMP

RAISED MEDIAN NOTES:

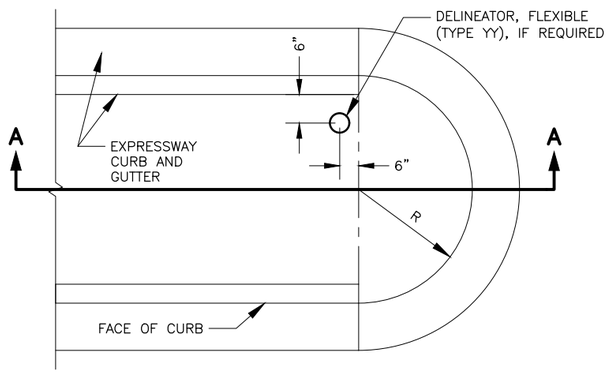
1. INSTALL DETECTABLE WARNING TILES IN ACCORDANCE WITH STD. DWG I-21.

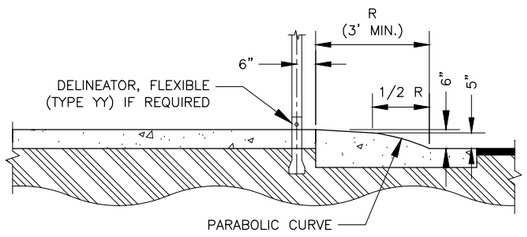


FLEXIBLE DELINEATOR

DELINEATOR NOTES:

1. INSTALL DELINEATORS WHERE SHOWN IN THE SUMMARY TABLE, OR AS DIRECTED BY THE ENGINEER.
2. CENTER POINT OF THE DELINEATOR SHALL BE 6 INCHES FROM THE BACK OF CURB.
3. WHERE DELINEATORS ARE SET IN CONCRETE PAVEMENT, PLACE THEM IN EXPANSION JOINTS.

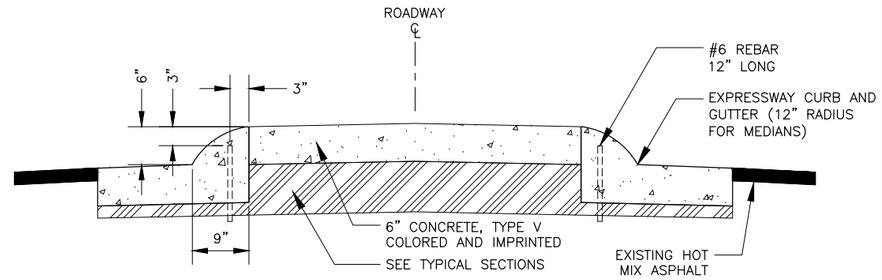




SLOPED MEDIAN NOSE

SLOPED 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.



EXPRESSWAY RAISED MEDIAN

EXPRESSWAY MEDIAN NOTES:

1. REBAR SHALL BE 60-INCHES O.C. EXCEPT AT ENDS OF MEDIANS WHERE SPACING SHALL BE 30-INCHES O.C.
2. EPOXY CEMENT SHALL NOT BE SUBSTITUTED FOR NO. 6 VERTICAL REBAR PINS.

STATE OF ALASKA
PROFESSIONAL ENGINEER
PROJECT ENGINEER
APPROVED
RELEASED FOR CONSTRUCTION

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

MEDIAN AND FLEXIBLE DELINEATOR DETAILS

DESIGNED BY
CHECKED BY
DRAFTED BY

SCALE 1" = 20'

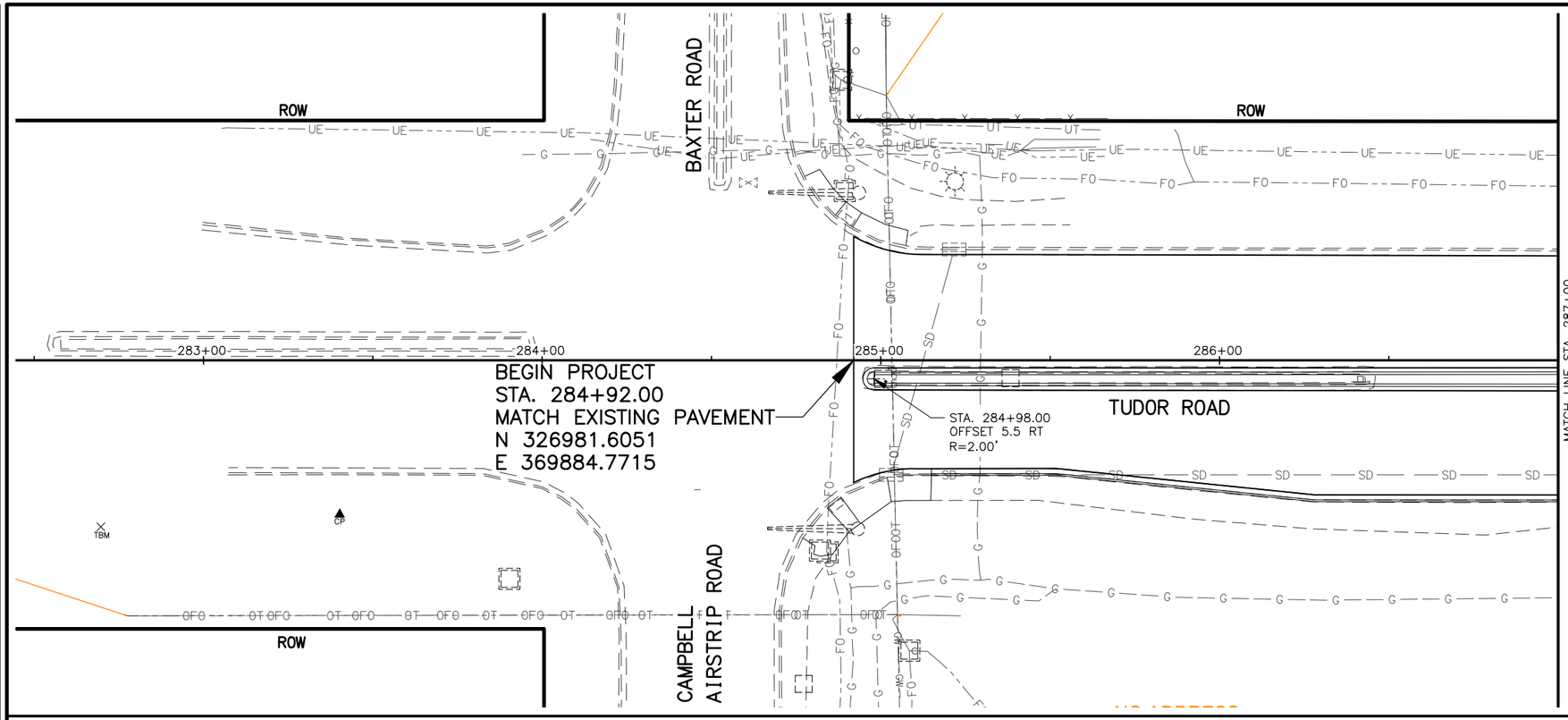
DATE 2/22/2026 TIME 9:07 PM

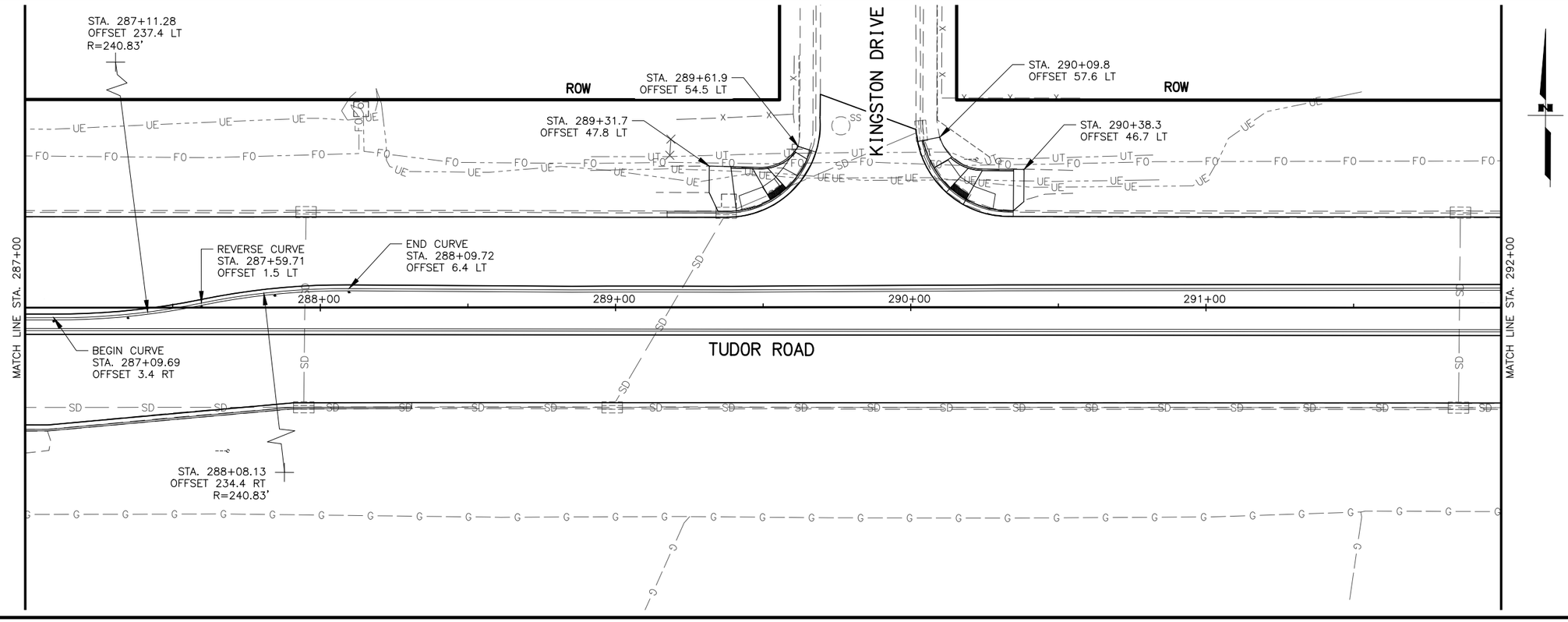
DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\F SHEETS\01073_F SHEETS.DWG

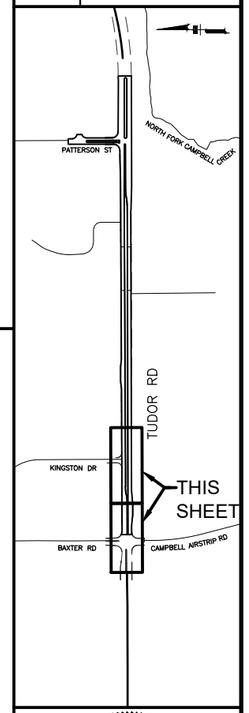
SHEET NO.	TOTAL SHEETS
F01	F05
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION
CFHWY01073

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







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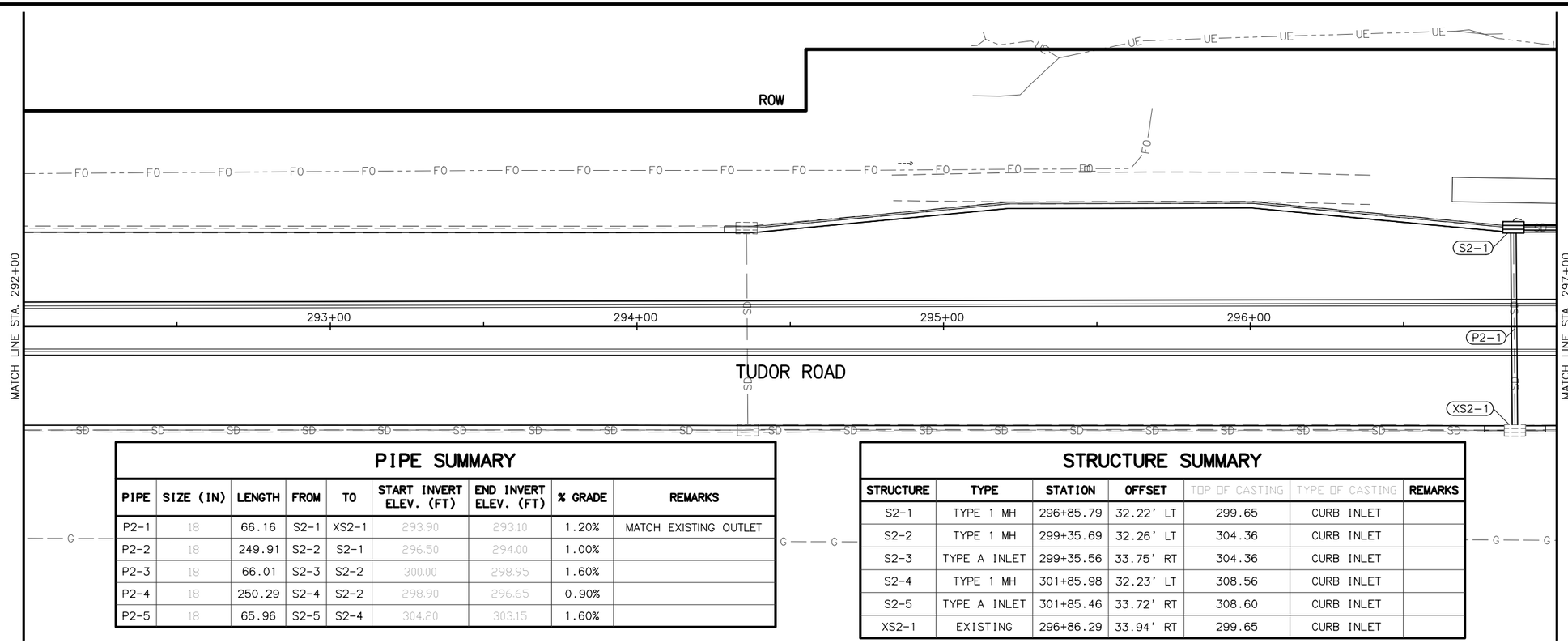
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD: BAXTER ROAD TO PATTERSON STREET CHANNELIZATION

PLANS
BOP TO 292+00

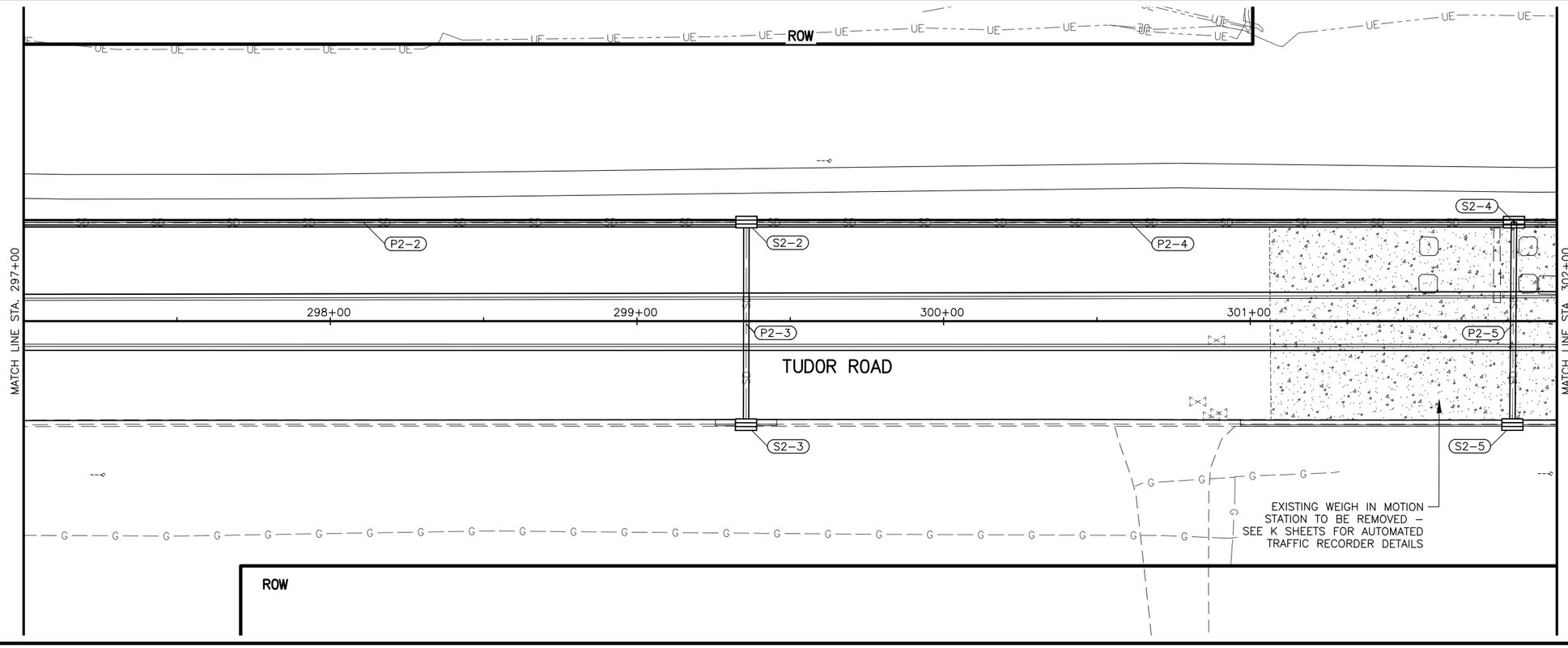


PIPE SUMMARY

PIPE	SIZE (IN)	LENGTH	FROM	TO	START INVERT ELEV. (FT)	END INVERT ELEV. (FT)	% GRADE	REMARKS
P2-1	18	66.16	S2-1	XS2-1	293.90	293.10	1.20%	MATCH EXISTING OUTLET
P2-2	18	249.91	S2-2	S2-1	296.50	294.00	1.00%	
P2-3	18	66.01	S2-3	S2-2	300.00	298.95	1.60%	
P2-4	18	250.29	S2-4	S2-2	298.90	296.65	0.90%	
P2-5	18	65.96	S2-5	S2-4	304.20	303.15	1.60%	

STRUCTURE SUMMARY

STRUCTURE	TYPE	STATION	OFFSET	TOP OF CASTING	TYPE OF CASTING	REMARKS
S2-1	TYPE 1 MH	296+85.79	32.22' LT	299.65	CURB INLET	
S2-2	TYPE 1 MH	299+35.69	32.26' LT	304.36	CURB INLET	
S2-3	TYPE A INLET	299+35.56	33.75' RT	304.36	CURB INLET	
S2-4	TYPE 1 MH	301+85.98	32.23' LT	308.56	CURB INLET	
S2-5	TYPE A INLET	301+85.46	33.72' RT	308.60	CURB INLET	
XS2-1	EXISTING	296+86.29	33.94' RT	299.65	CURB INLET	

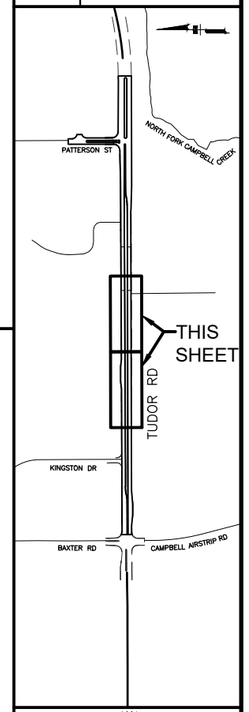


SHEET NO.	TOTAL SHEETS
F02	F05
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION

CFHWY01073

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



STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD: BAXTER ROAD TO PATTERSON STREET CHANNELIZATION

PLANS

292+00 TO 302+00

DESIGNED BY --
CHECKED BY --
DRAFTED BY --

SCALE 1" = 20'

DATE 2/22/2026 TIME 9:08 PM

DRAWING LOCATION
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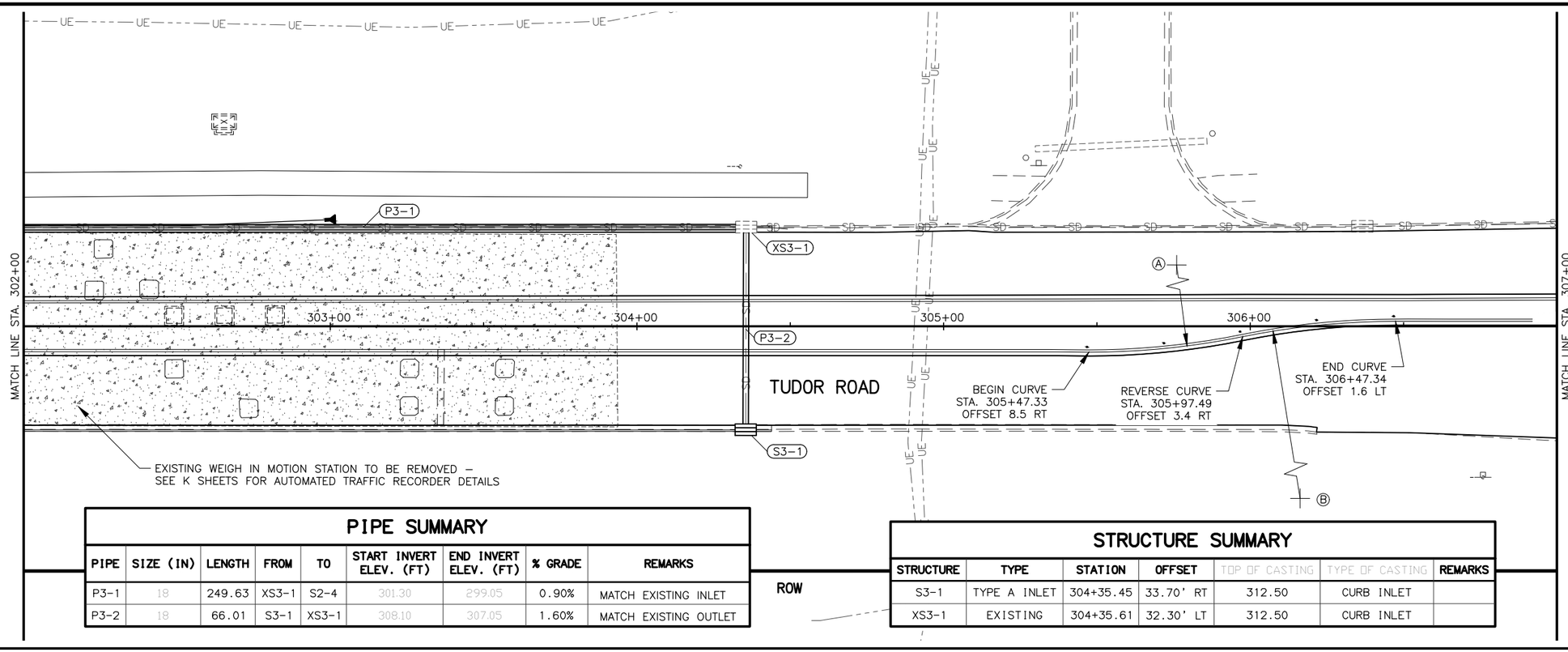
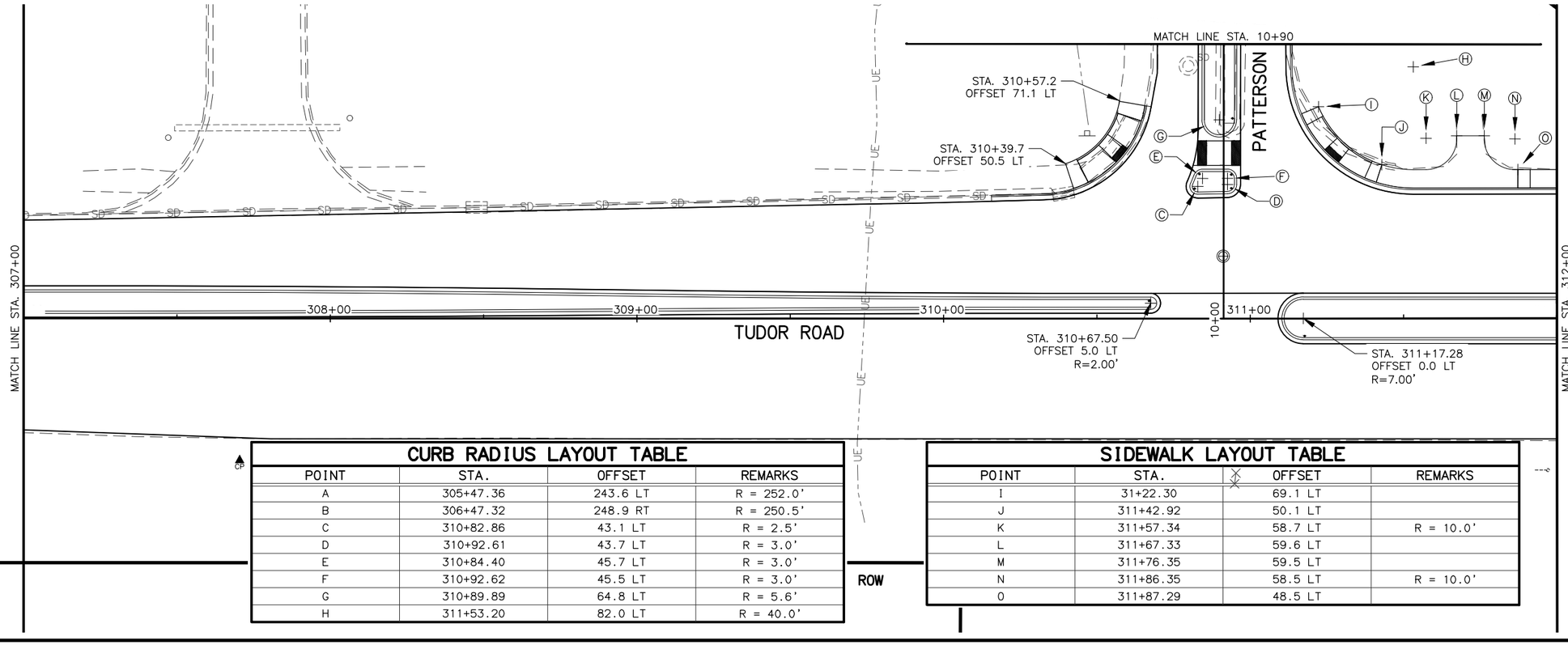


PIPE SUMMARY

PIPE	SIZE (IN)	LENGTH	FROM	TO	START INVERT ELEV. (FT)	END INVERT ELEV. (FT)	% GRADE	REMARKS
P3-1	18	249.63	XS3-1	S2-4	301.30	299.05	0.90%	MATCH EXISTING INLET
P3-2	18	66.01	S3-1	XS3-1	308.10	307.05	1.60%	MATCH EXISTING OUTLET

STRUCTURE SUMMARY

STRUCTURE	TYPE	STATION	OFFSET	TOP OF CASTING	TYPE OF CASTING	REMARKS
S3-1	TYPE A INLET	304+35.45	33.70' RT	312.50	CURB INLET	
XS3-1	EXISTING	304+35.61	32.30' LT	312.50	CURB INLET	



CURB RADIUS LAYOUT TABLE

POINT	STA.	OFFSET	REMARKS
A	305+47.36	243.6 LT	R = 252.0'
B	306+47.32	248.9 RT	R = 250.5'
C	310+82.86	43.1 LT	R = 2.5'
D	310+92.61	43.7 LT	R = 3.0'
E	310+84.40	45.7 LT	R = 3.0'
F	310+92.62	45.5 LT	R = 3.0'
G	310+89.89	64.8 LT	R = 5.6'
H	311+53.20	82.0 LT	R = 40.0'

SIDEWALK LAYOUT TABLE

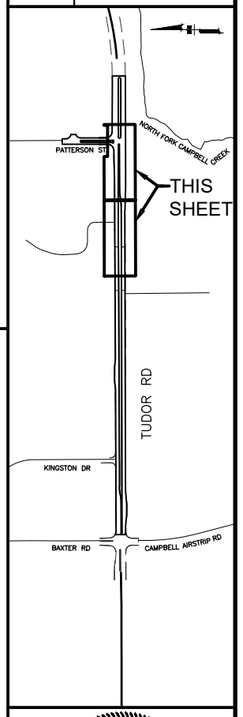
POINT	STA.	OFFSET	REMARKS
I	31+22.30	69.1 LT	
J	311+42.92	50.1 LT	
K	311+57.34	58.7 LT	R = 10.0'
L	311+67.33	59.6 LT	
M	311+76.35	59.5 LT	
N	311+86.35	58.5 LT	R = 10.0'
O	311+87.29	48.5 LT	

SHEET NO.	TOTAL SHEETS
F03	F05
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION

CFHWY01073

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



STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD:
BAXTER ROAD TO
PATTERSON STREET
CHANNELIZATION

PLANS

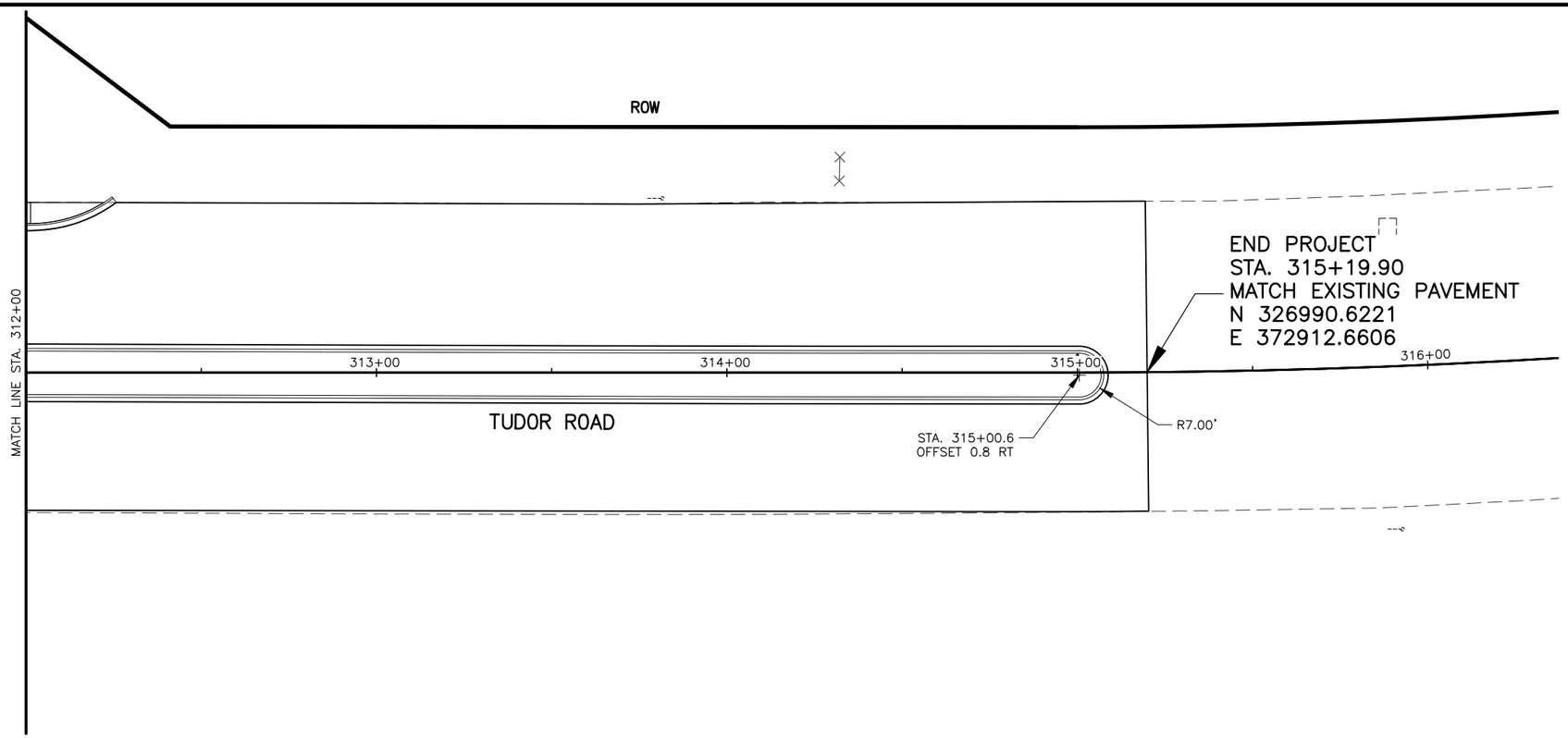
302+00 TO
312+00

DESIGNED BY --
CHECKED BY --
DRAFTED BY --

SCALE 1" = 20'

DATE TIME
2/22/2026 9:08 PM

DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION – CFHWY01073\CIV3D\PLANSET\F SHEETS\01073_F SHEETS.DWG

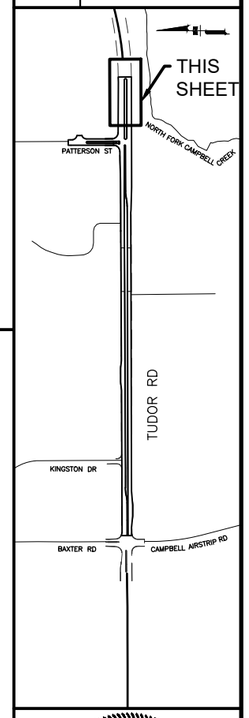


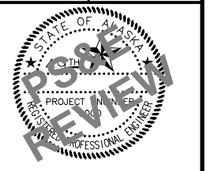
SHEET NO.	TOTAL SHEETS
F04	F05
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION

CFHWY01073

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





STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD: BAXTER ROAD TO PATTERSON STREET CHANNELIZATION

PLANS

312+00 TO EOP

DESIGNED BY --
CHECKED BY --
DRAFTED BY --

SCALE 1" = 20'

DATE 2/22/2026 TIME 9:09 PM

DRAWING LOCATION
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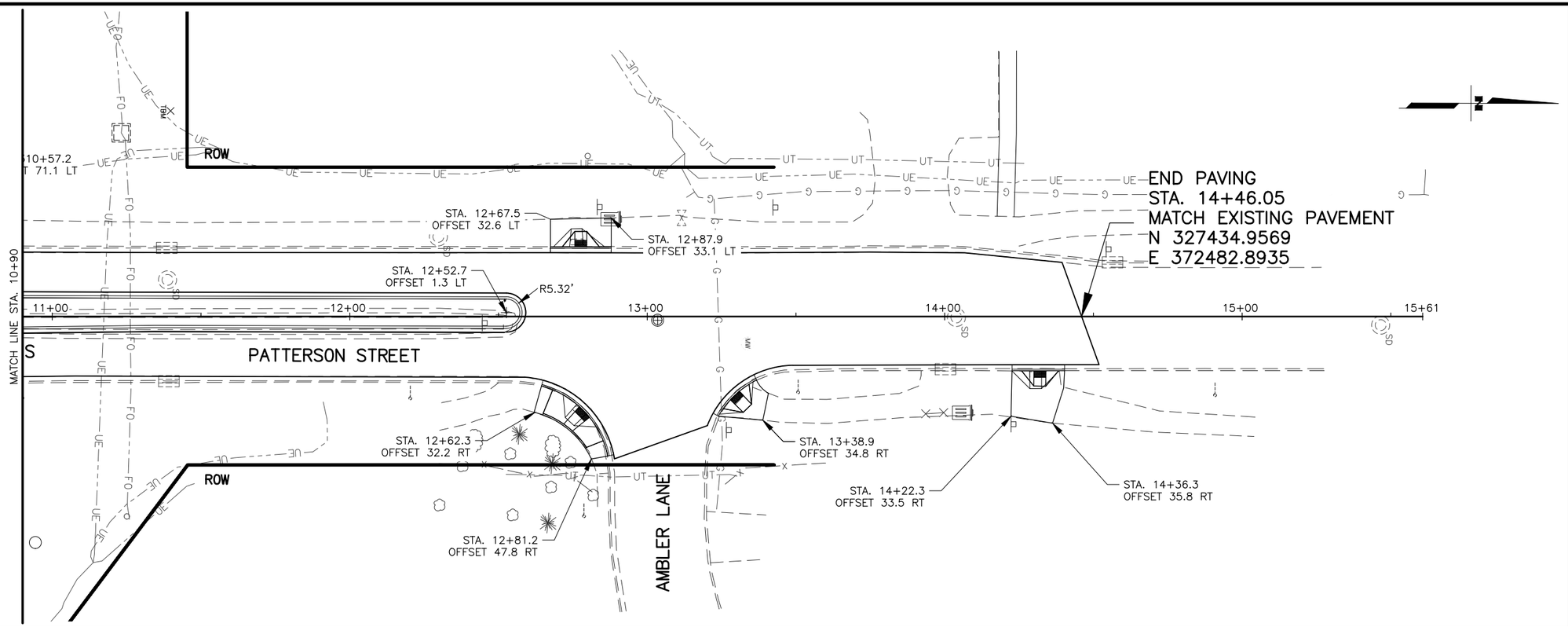
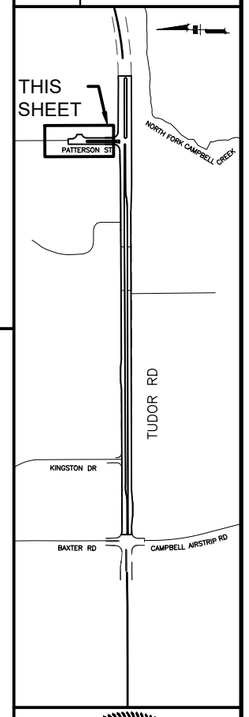


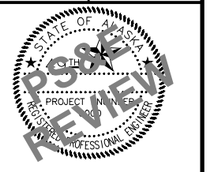
SHEET NO.	TOTAL SHEETS
F05	F05
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION

CFHWY01073

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





STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD: BAXTER ROAD TO PATTERSON STREET CHANNELIZATION

PLANS
+00 TO
+00

DESIGNED BY --
CHECKED BY --
DRAFTED BY --

SCALE 1" = 20'

DATE TIME
2/22/2026 9:10 PM

DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\F SHEETS\01073_F SHEETS.DWG

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	H01	H09

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. ALL FINAL PAVEMENT MARKINGS SHALL BE MMA PAVEMENT MARKINGS INLAID AT 125 MILS.

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.

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

TRAFFIC DETAILS AND NOTES

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

DESIGNED BY JZ
CHECKED BY RRH
DRAFTED BY JZ

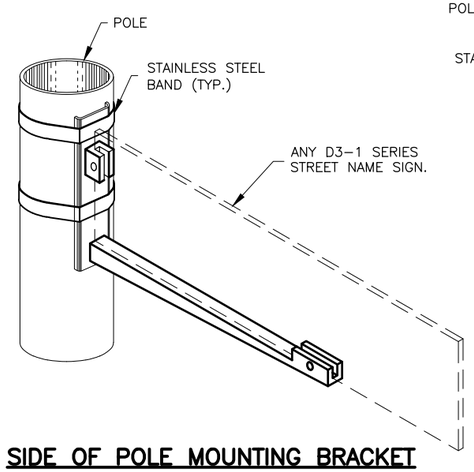
SCALE N/A

DATE TIME 2/19/2026 9:27 PM

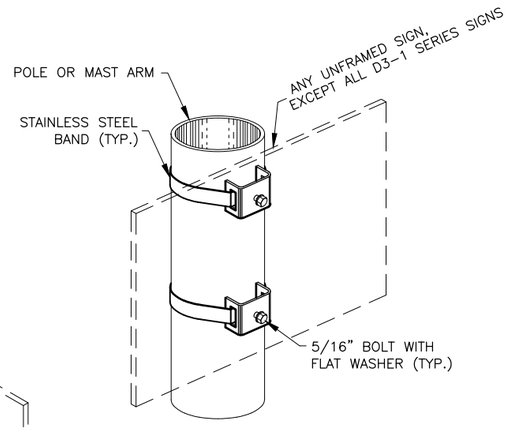
DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\H SHEETS\01073_H01_TRAFFIC.DWG

NO.	DATE	REVISION

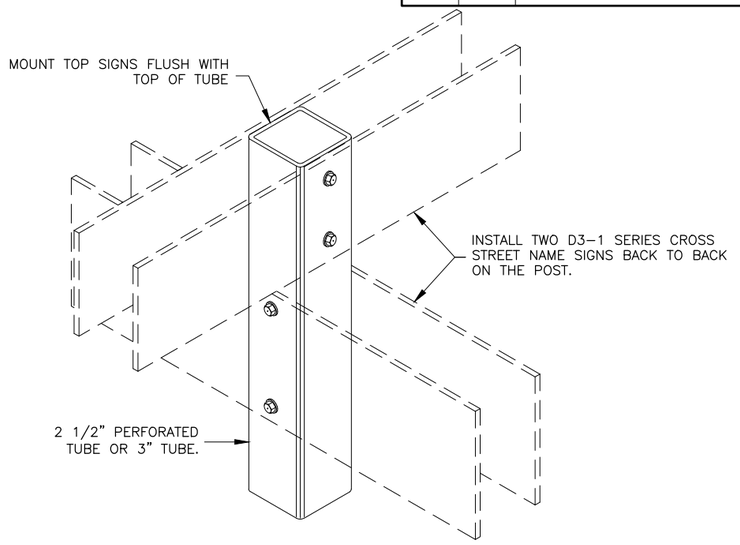
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	H02	H09



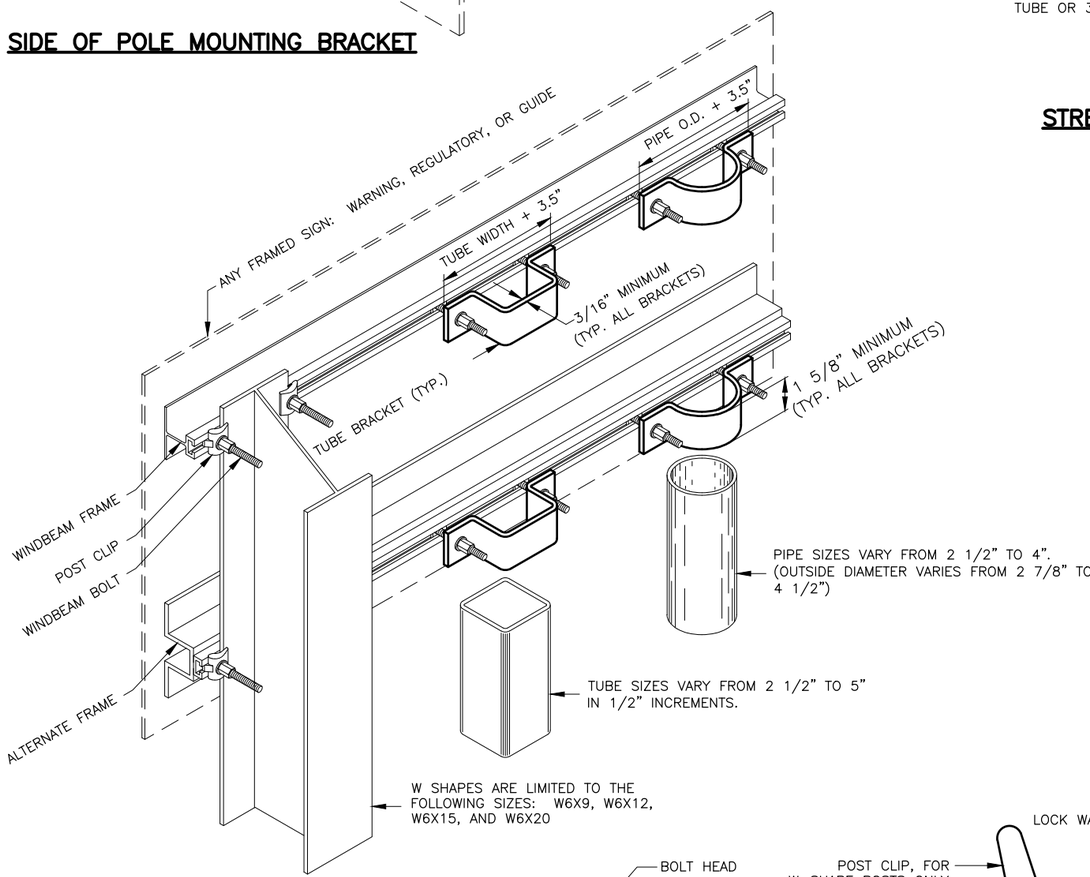
SIDE OF POLE MOUNTING BRACKET



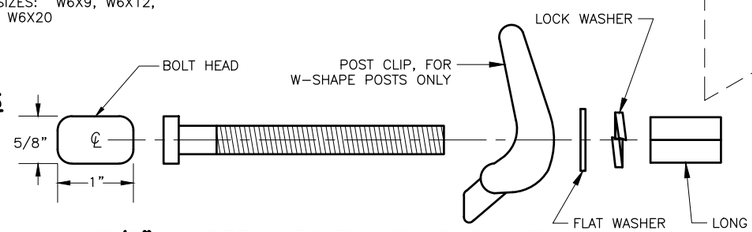
SADDLE BRACKETS



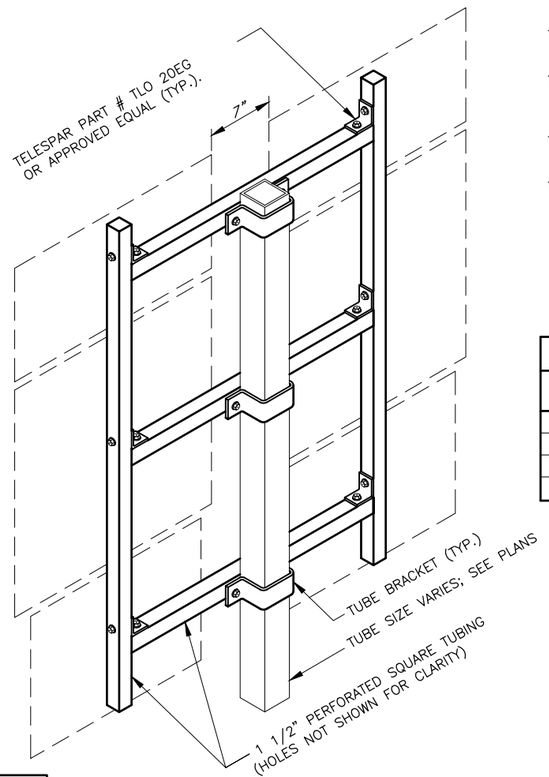
STREET NAME SIGN INSTALLATION



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 ELL-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

DESIGNED BY
CHECKED BY
DRAFTED BY

SCALE N/A

DATE TIME 2/19/2026 9:29 PM

DRAWING LOCATION
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PSSE REVIEW

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

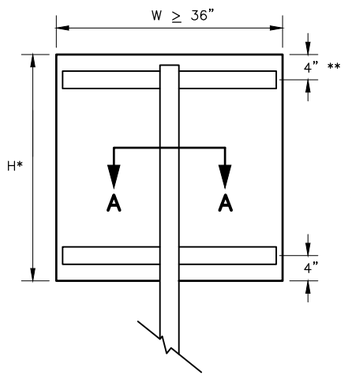
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

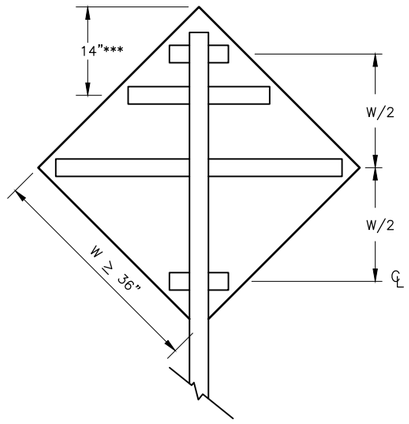
SIGN ATTACHMENT DETAIL

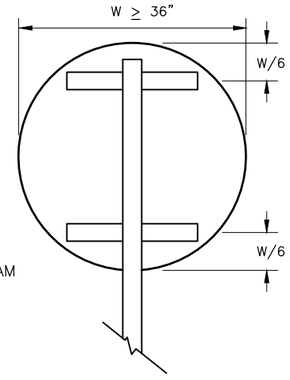
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	H03	H09

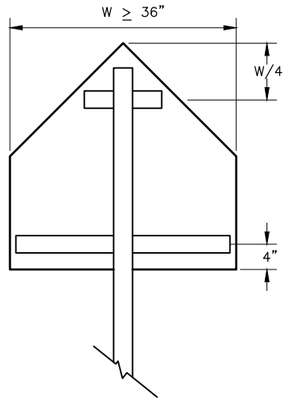


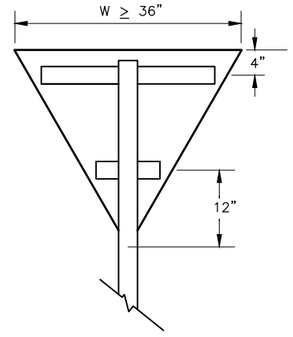
RECTANGLES AND TRAPEZOIDS





ROUNDS AND OCTAGONS





* 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".

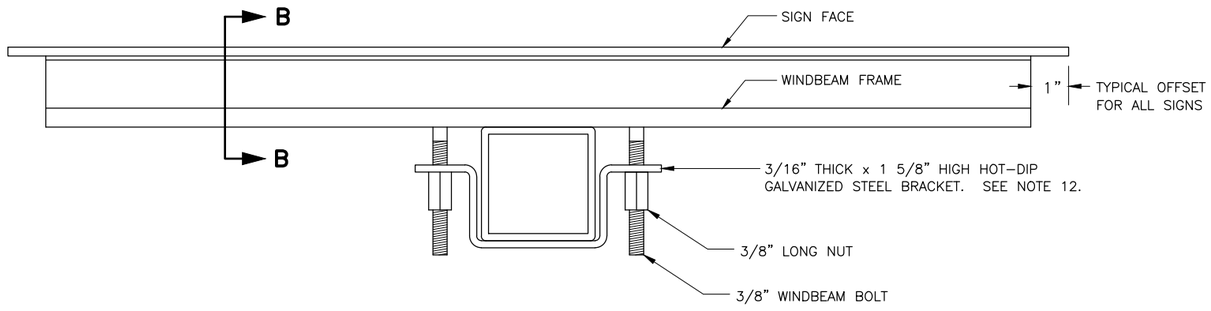
*** FOR WARNING SIGNS MOUNTED ON FLASHING BEACON POSTS, USE THE 14" OFFSET. OTHERWISE, USE W/2.

NOTES:

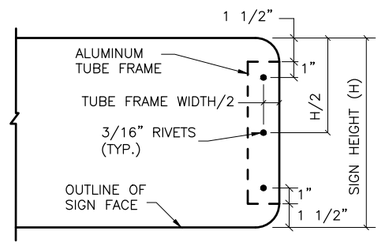
1. EXCEPT FOR POLES AND MAST ARMS, ONLY USE SQUARE STEEL TUBES TO SUPPORT SIGNS MOUNTED ON SINGLE POSTS.
2. INSTALL WINDBEAM OR ZEE SHAPED FRAMING MEMBERS ON DIAMOND SHAPED SIGNS 36 INCHES AND LONGER ON A SIDE AND ON OTHER SIGNS 36 INCHES WIDE AND WIDER.
3. IN HIGH WIND AREAS, THE PLANS MAY REQUIRE SIGNS 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

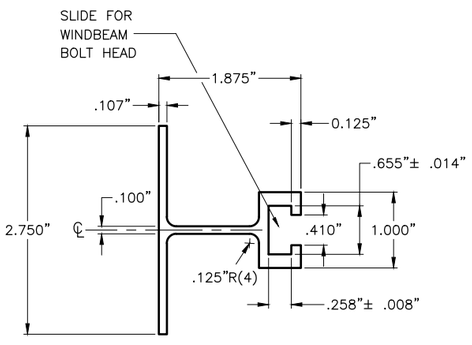
ELEVATION VIEW



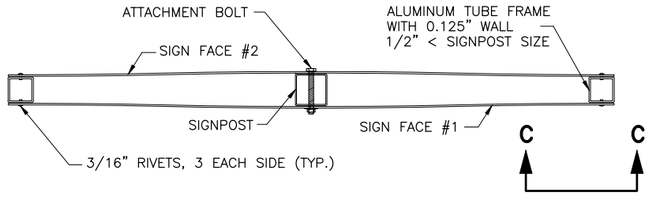
SECTION A - A TYPICAL SIGN ATTACHMENT DETAILS AT EACH WINDBEAM



VIEW C - C

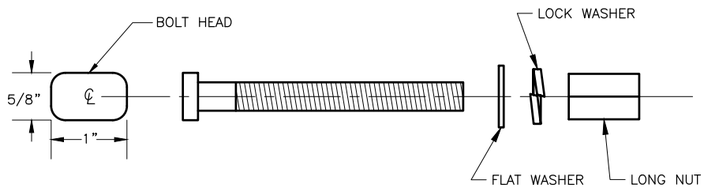


SECTION B - B WINDBEAM CROSS SECTION



D3-1 STREET NAME SIGN FRAMING DETAIL

PLAN VIEW



3/8" WINDBEAM BOLT AND LONG NUT

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

LIGHT SIGN FRAMING AND ATTACHMENT DETAILS

DESIGNED BY ---
CHECKED BY ---
DRAFTED BY ---

SCALE N/A

DATE TIME
2/19/2026 9:30 PM

DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\H SHEETS\01073_H03_LIGHT_SIGN_FRAMING.DWG

DESIGNED BY
CHECKED BY
DRAFTED BY

SCALE 1" = 20'

DATE 2/22/2026 TIME 10:13 PM

W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\H SHEETS\AP-XR-01073-H04-H09_SIGNING AND STRAPING DETAIL.DWG

DRAWING LOCATION

ROW

BAXTER ROAD

MATCH EXISTING STRIPING

283+00 284+00

BEGIN PROJECT
STA. 284+92.00
MATCH EXISTING PAVEMENT
N 326981.8128
E 369884.7708

285+00 286+00 287

4"W 4"W 4" SKIP
8"W 8"W
4"W 4"SKIP
8" W

12.5' 11' 9.5' 11' 12.5'
11.5' 11.5' 11.5' 11.5'
10.5' 11.5'
8.0'

+23.4 31.0RT
+93.4 31.0RT

TUDOR ROAD

MATCH LINE STA. 287+00

CAMPBELL AIRSTRIP ROAD

ROW

KINGSTON DR.

ROW

MATCH LINE STA. 287+00

4" SKIP 4" SKIP
4" SKIP 4" SKIP

10.5' 12.5'
11.5' 11.5'
11.5' 12.0'

+00 288+00 289+00 290+00 291+00 292

TUDOR ROAD

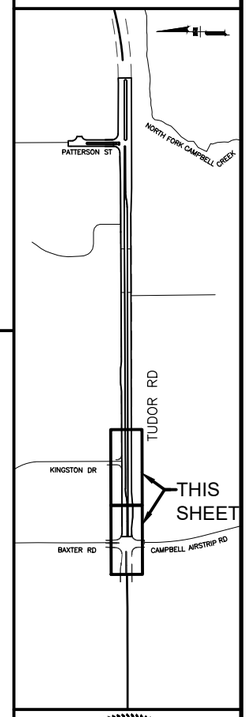
MATCH LINE STA. 292+00

SHEET NO.	TOTAL SHEETS
H04	H09
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION

CFHWY01073

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



PS&E REVIEW
STATE OF ALASKA
PROJECT ENGINEER
PROFESSIONAL ENGINEER

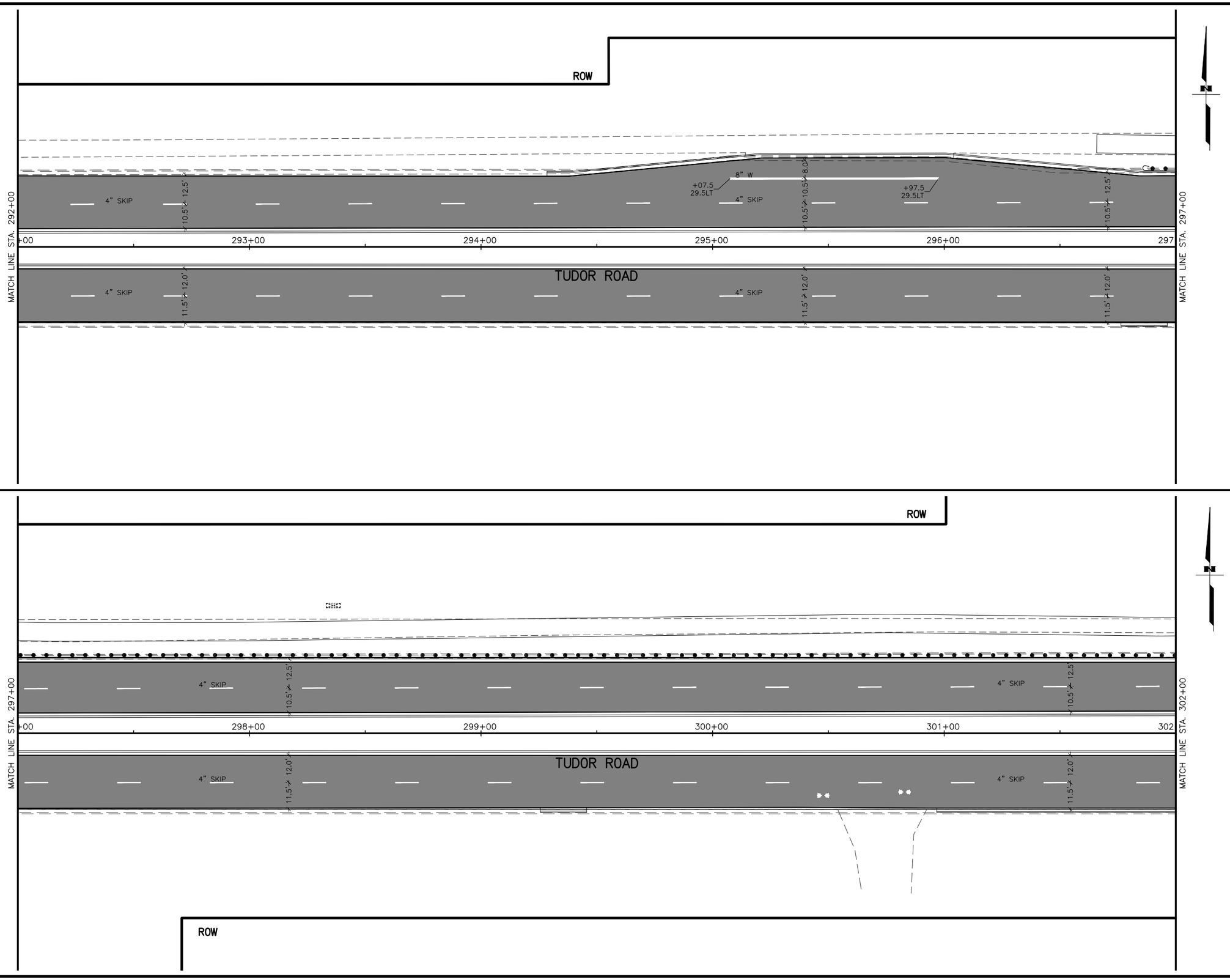
STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

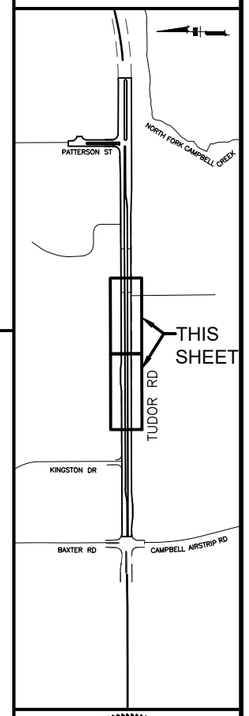
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD: BAXTER ROAD TO PATTERSON STREET CHANNELIZATION

SIGNING AND STRIPING PLAN

BOP TO 287+00
287+00 TO 292+00





SHEET NO.	TOTAL SHEETS
H05	H09
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION

CFHWY01073

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

STATE OF ALASKA
PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER
PS&E REVIEW

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD: BAXTER ROAD TO PATTERSON STREET CHANNELIZATION

SIGNING AND STRIPING PLANS
292+00 TO 297+00
297+00 TO 302+00

DESIGNED BY --
CHECKED BY --
DRAFTED BY --

SCALE 1" = 20'

DATE TIME
2/22/2026 10:14 PM

DRAWING LOCATION
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DESIGNED BY --
CHECKED BY --
DRAFTED BY --

SCALE 1" = 20'

DATE TIME
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DRAWING LOCATION
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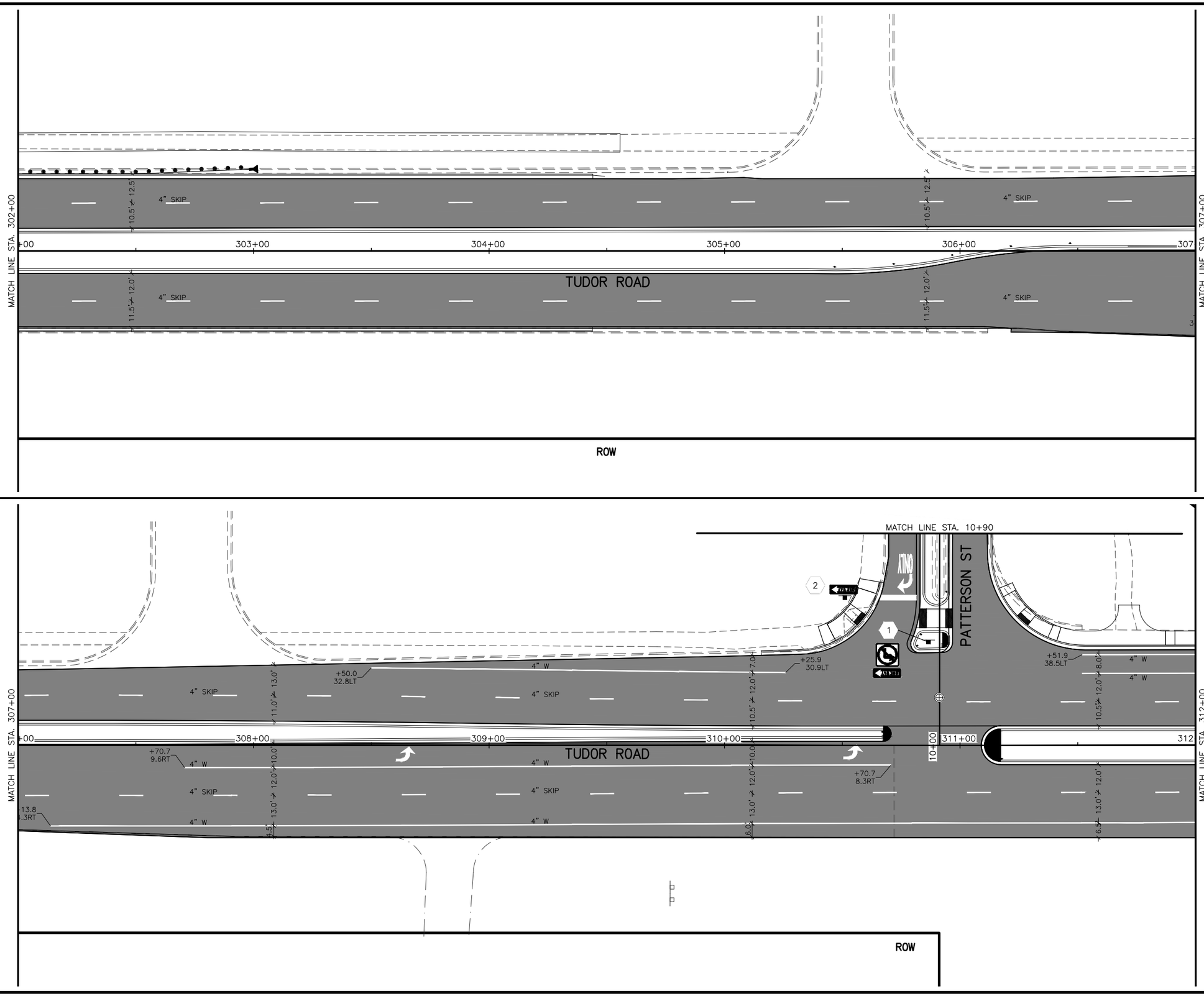
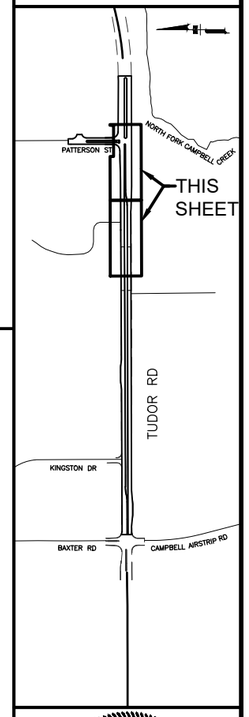


SHEET NO.	TOTAL SHEETS
H06	H09
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION

CFHWY01073

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



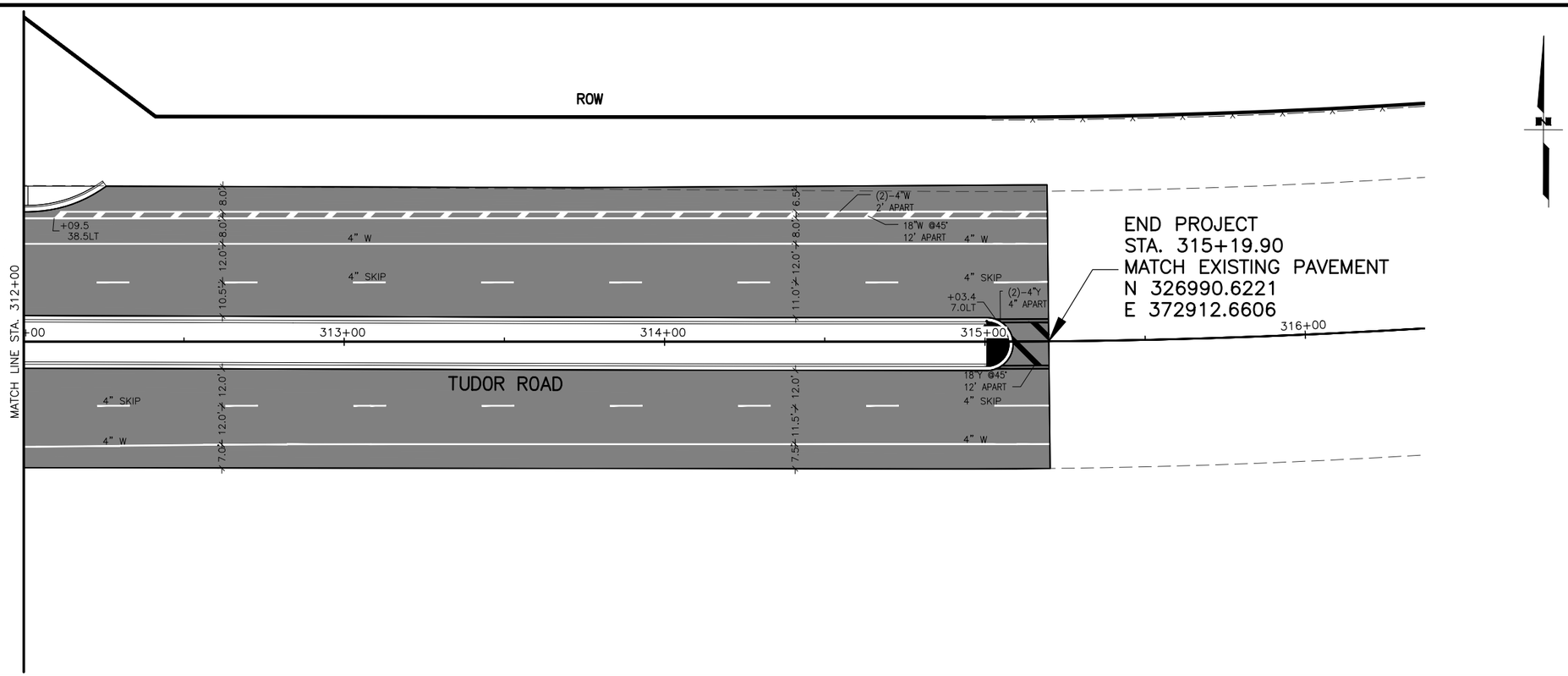
STATE OF ALASKA
PROFESSIONAL ENGINEER
PROJECT MANAGER

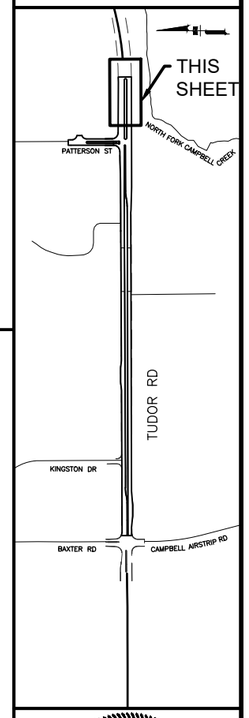
STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD: BAXTER ROAD TO PATTERSON STREET CHANNELIZATION

SIGNING AND STRIPING PLANS
302+00 TO 307+00
307+00 TO 312+00





SHEET NO.	TOTAL SHEETS
H07	H09
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION

CFHWY01073

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

STATE OF ALASKA
PROJECT NUMBER
REGISTERED PROFESSIONAL ENGINEER
PSE REVIEW

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD: BAXTER ROAD TO PATTERSON STREET CHANNELIZATION

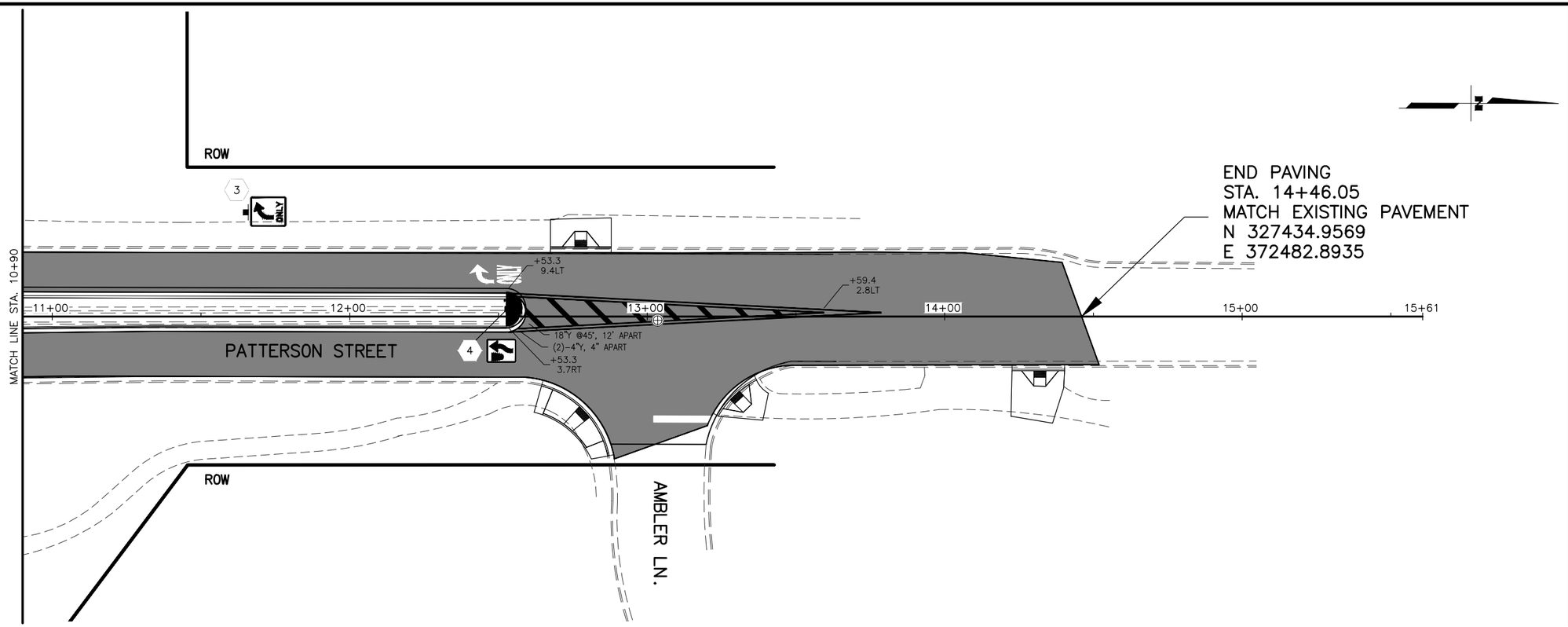
SIGNING AND STRIPING PLANS
312+00 TO EOP

DESIGNED BY --
CHECKED BY --
DRAFTED BY --

SCALE 1" = 20'

DATE TIME
2/22/2026 10:15 PM

DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\H SHEETS\AP.XR-01073-H04-H09_SIGNING AND STRAPING DETAIL.DWG

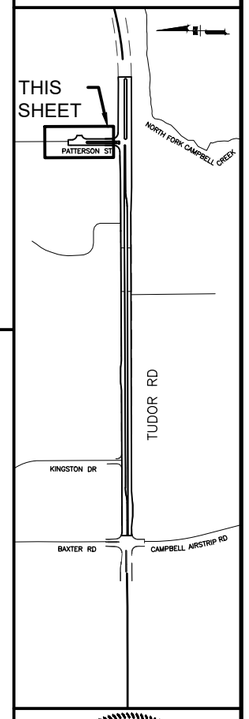


SHEET NO.	TOTAL SHEETS
H08	H09
STATE	YEAR
ALASKA	2026

PROJECT DESIGNATION

CFHWY01073

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



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR ROAD:
BAXTER ROAD TO
PATTERSON STREET
CHANNELIZATION

SIGNING AND STRIPING PLANS
10+90 TO EP

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

PS&E REVIEW

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SCALE 1" = 20'

DATE 2/22/2026 TIME 10:15 PM

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	H09	H09

SALVAGE SIGN SUMMARY

STATION	CL REF	TYPE	LEGEND	REMARKS
286+37				
13+52	L	R3-6LR		Correct Sign block NA
306+71	CL	R3-9A		Mounted to Mast Arm

SIGN SUMMARY

PAGE NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ.FT)	SIGN FACES	POSTS NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
H3	1	10+44	RT	R6-1R		24	8	1.33	N	1-3"T	X		
				R3-2		30	30	6.25	N	1-3"T	X		
H3	2	10+63	LT	R6-1R		24	8	1.33	N	1-3"T	X		MOUNT ON EXISTING POST UNDER EXISTING STOP SIGN.
H5	3	11+65	LT	R3-5		30	36	7.50	N	1-3"T	X		
H5	4	12+53	CL	R4-7		24	30	5.00	N	1-3"T	X		

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SCALE

DATE TIME
2/22/2026 10:16 PM

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

SIGN SUMMARY

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	K01	K07

DRAWING SHEET INDEX

SHEET NO.	DESCRIPTION
K01	ATR SITE PLAN
K02	ATR SITE PLAN
K03	H1 CONDUCTOR SCHEDULE AND WIRING DIAGRAM
K04	TYPICAL STRAIN GAUGE SENSOR
K05	LOOP DETECTOR DETAILS
K06	ATR TYPE II JUNCTION BOX DETAILS
K07	TYPICAL SPLICE

ATR ASSEMBLIES SCHEDULE

RECORDER NUMBER	CABINET STATION	CABINET OFFSET	NUMBER OF LANES	SITE NUMBER	CABINET ASSEMBLY	LOAD CENTER	TYPE II JUNCTION BOXES	INDUCTIVE LOOPS (QTY.)	PIEZO SENSORS (QTY.)
H1	350+34	36.5' RT	4		CBA1	NO	NEW	4(1 PER LANE)	NONE

REFERENCE SPECIFICATIONS

ALL WIRING SHALL BE CONSTRUCTED PER SPECIFICATION SECTION 660 SIGNALS AND LIGHTING, EXCEPT WHERE NOTED ON THE PLANS OR IN THE SPECIAL PROVISIONS. ALL CONSTRUCTION SHALL CONFORM TO SPECIFICATION SECTIONS 660-3.03 CONDUIT, 660-3.04 JUNCTION BOXES, 660-3.05 WIRING, 660-3.06 BONDING AND GROUNDING, AND 660-3.01.7 FIELD TESTS, EXCEPT AS MODIFIED BY SECTION 669 AUTOMATED TRAFFIC RECORDERS.

GENERAL NOTES

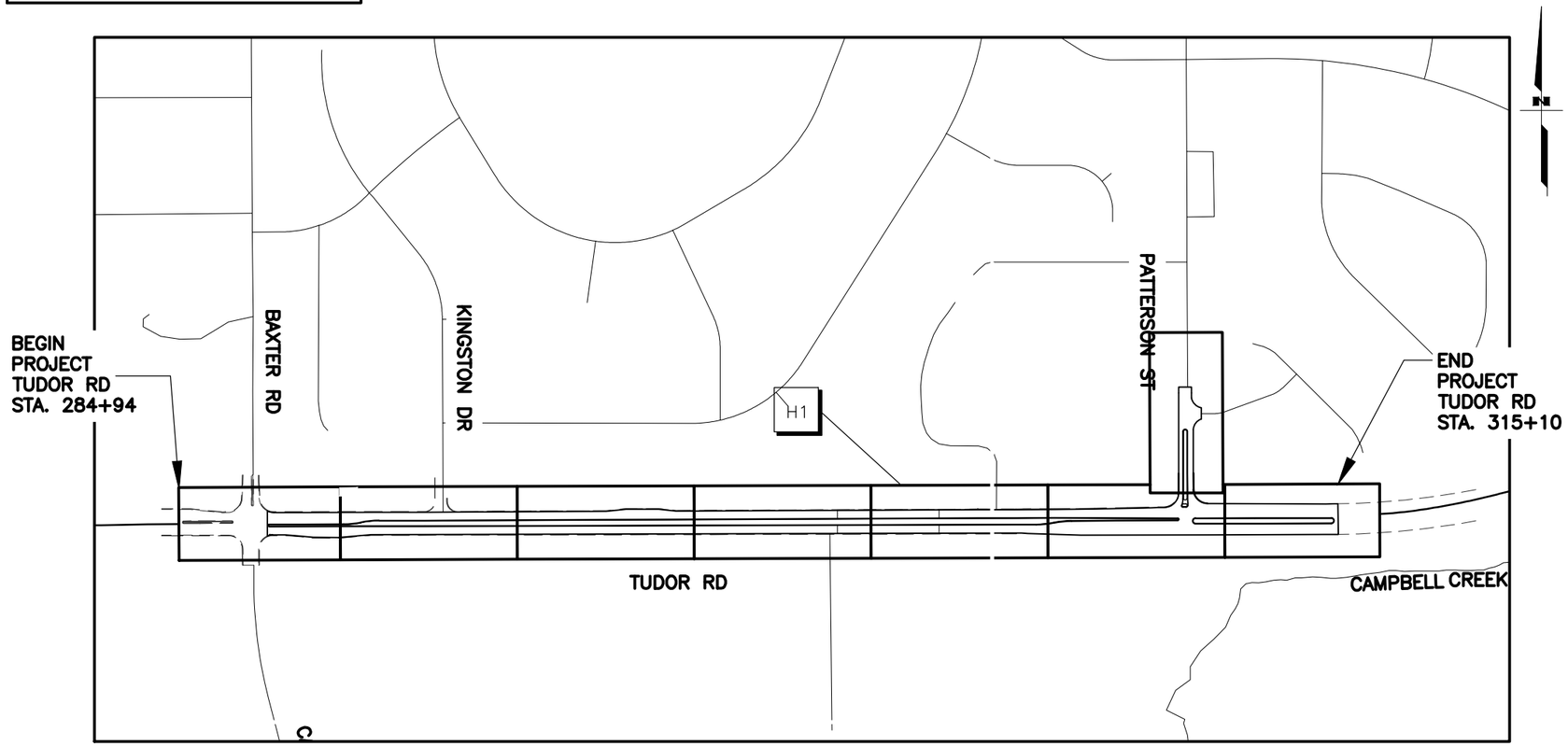
1. INSTALLATION OF EQUIPMENT AND MATERIALS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE CURRENT NATIONAL ELECTRICAL CODE, ALASKA DOT&PF STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND LOCAL AMENDMENTS.
2. EVERY EFFORT HAS BEEN MADE TO MAKE THE INFORMATION CONTAINED IN THESE DOCUMENTS COMPLETE AND ACCURATE. HOWEVER, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS AND DIMENSIONS.
3. PVC FROM JUNCTION BOXES TO TRAFFIC LOOPS IS NOT ALLOWED. USE ONLY RMC OR IMC.
4. ALL PVC CONDUIT AND FITTINGS SHALL BE 1 INCH SCHEDULE 80.
5. DATALOGGER WILL BE INSTALLED BY STATE OF ALASKA – HIGHWAY DATA SECTION – CONTACT MATT MURPHY, MANAGER (907) 269-0876.

INDUCTIVE LOOPS

ALL INDUCTIVE LOOPS SHALL BE WOUND IN THE SAME DIRECTION WITH THE STARTING LEAD MARKED "S" PER SECTION 660-3.05.13.

LEAD-IN WIRES FOR EACH LOOP SHALL BE IN SEPARATE CONDUITS TO THE FIRST JUNCTION BOX. THESE CONDUITS SHALL BE SEPARATED FROM OTHER LOOPS BY A MINIMUM OF 12 INCHES.

INDUCTIVE LOOPS SHALL BE INSTALLED IMMEDIATELY PRIOR TO PAVING THIS SECTION OF ROADWAY. FINAL LIFT ASPHALT PAVEMENT SHALL BE SMOOTH OVER ALL INDUCTIVE LOOPS AND WITHOUT TRANSVERSE SEAMS, JOINTS, OR ROUGHNESS WITHIN 50 FEET OF THE LOOPS.



LABELS

ALL CABLES SHALL BE LABELED AT BOTH ENDS AND AT EVERY JUNCTION BOX THROUGH WHICH THE CABLES PASS, PER SPECIFICATION SECTION 660-3.05.13.

ALL WIRE PAIRS SHALL BE LABELED AT THE TERMINAL BLOCK AND AT ANY LOOSE ENDS.

THE FOLLOWING CONVENTIONS SHALL APPLY TO DESIGNATING AND LABELING CABLES AND WIRE PAIRS:

LANES: TRAFFIC LANES AND THEIR RESPECTIVE LOOPS AND SENSORS SHALL BE LABELED FROM THE OUTSIDE EDGE OF THE ROAD TOWARD THE CENTER AS FOLLOWS:

A	B	C	D		D	C	B	A

TERMINAL BLOCKS: WIRES FROM SENSORS PLACED IN LANES WHICH ARE CLOSEST TO THE CONTROL BOX SHALL BE PLACED AT THE LEFT OR AT THE TOP OF THE TERMINAL BLOCK, DEPENDING ON ORIENTATION OF THE ROAD.

WIRES FOR INDUCTIVE LOOPS, SENSORS AND RESERVES ARE LABELED AS FOLLOWS:

PnDLc

WHERE:

P IS THE PREFIX:
- V TRAFFIC VOLUME LOOP
- H VEHICLE CLASSIFICATION / SPEED LOOP
- GL AUTOMATIC VEHICLE CLASSIFICATION (AVC) SENSOR
- Ga AUTOMATIC VEHICLE CLASSIFICATION PIEZO

n NUMBER SUFFIX FOR MULTIPLE LOOPS IN THE SAME LANE

D DIRECTION (N, S, E, W, NE, SE, SW, NW)

L IS THE PREFIX FOR ROAD DESIGNATION
- L LANE*
- R RAMP**
- SR SPUR RAMP**
- LP LOOP**
- LR LOOP RAMP**
- * ROADS AND HIGHWAYS
- ** INTERCHANGES

c IS THE SUFFIX FOR LANE DESIGNATION (A, B, C, D)

RMC RIGID METAL CONDUIT, GALVANIZED

IMC INTERMEDIATE METAL CONDUIT

DATALOGGER – SEE NOTE 5. ADOT WILL INSTALL.

CONDUIT REFERENCE NUMBER

(#) NOTE REFERENCE NUMBER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

ATR SITE PLANS

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CHECKED BY
DRAFTED BY M.L.N.
SCALE N.T.S
DATE TIME 2/10/2026 4:02 PM
DRAWING LOCATION
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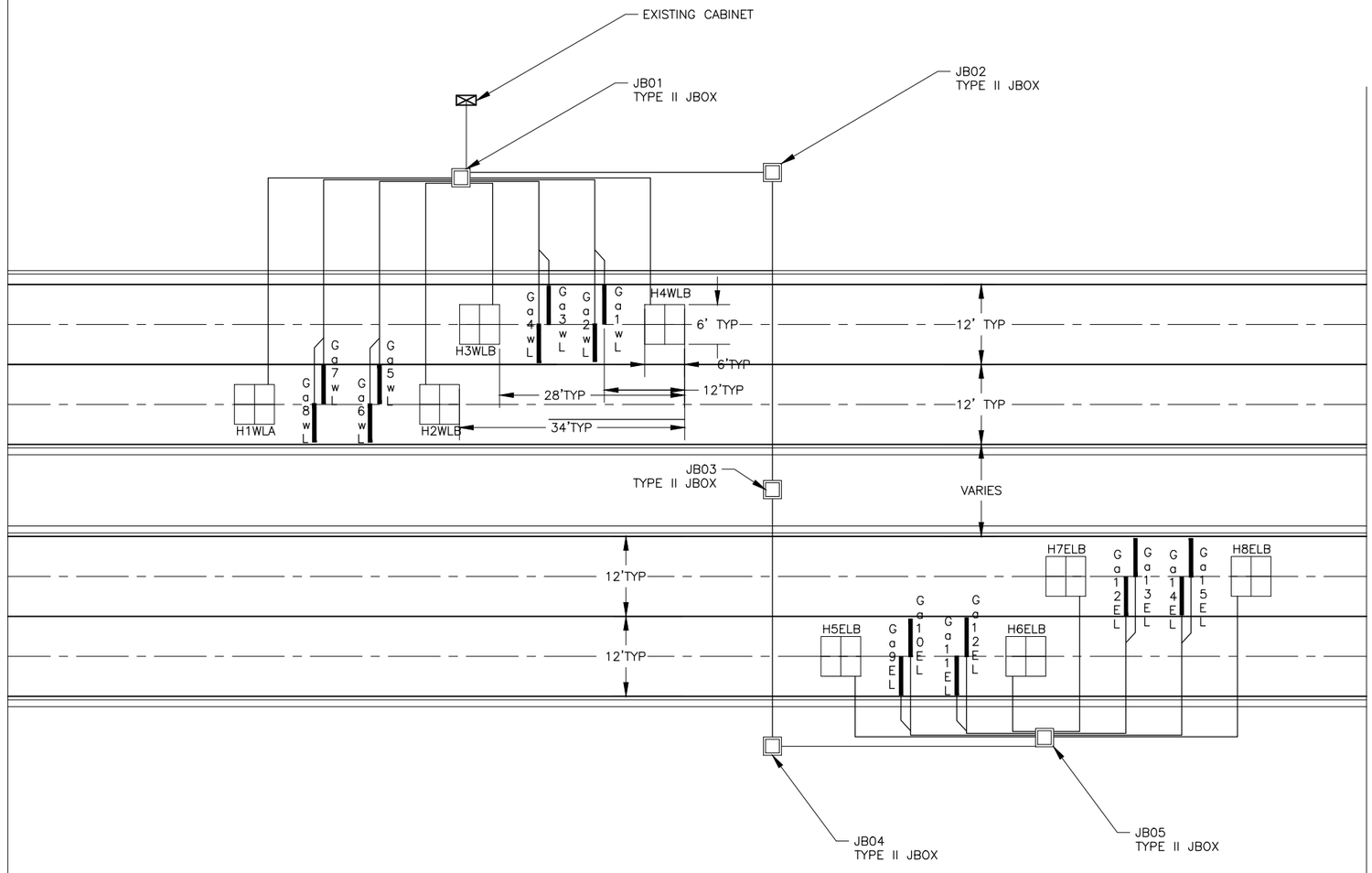
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	K02	K07



DESIGNED BY M.L.N
CHECKED BY
DRAFTED BY M.L.N

SCALE 1" = 10'

DATE 2/10/2026 TIME 4:03 PM

DRAWING LOCATION
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

ATR SITE PLANS

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	K03	K07

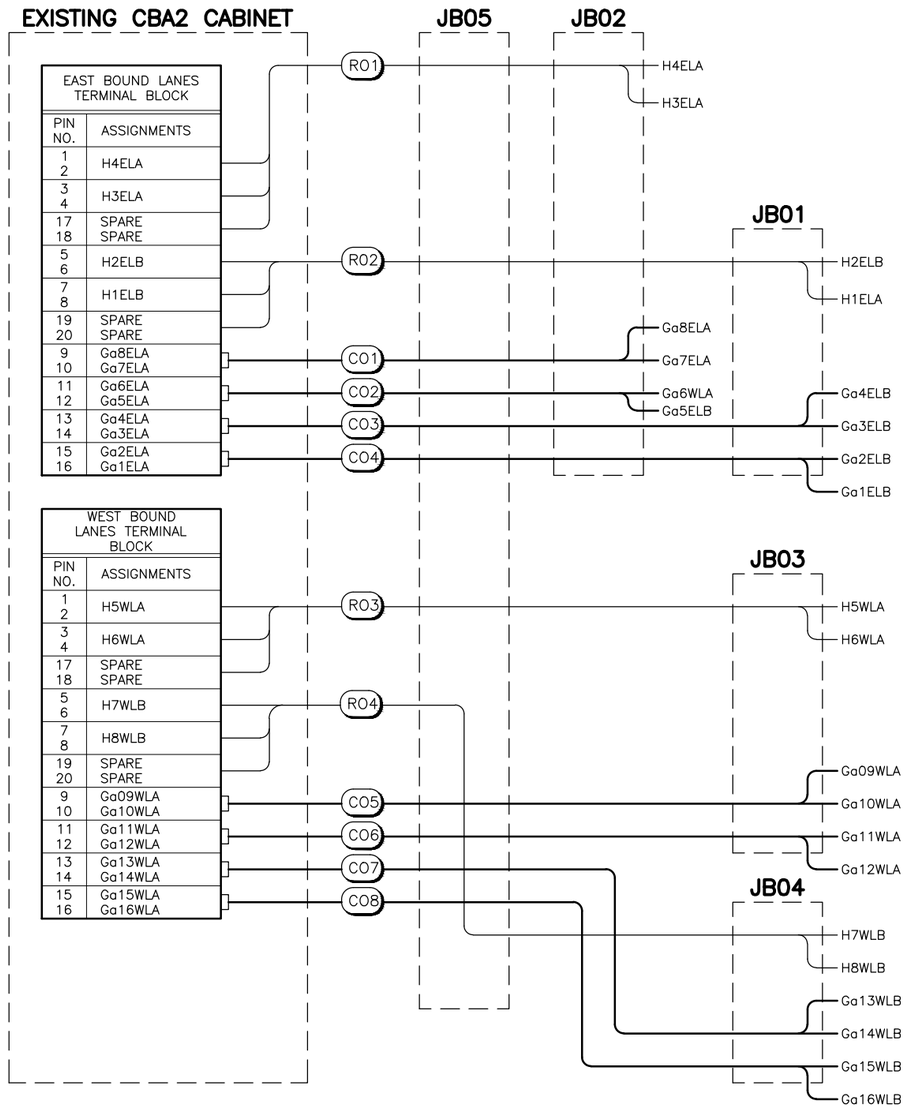
K2 CONDUIT AND CONDUCTOR SCHEDULE

CONDUIT			FROM	TO	CABLE			
NO.	SIZE	WORK			QTY.	TYPE	WORK	NUMBER
1	1"	N	JB01	Ga2ELB	1	RG58 COAX	N	C04
2	1"	E	JB01	H2ELB	1	1 PR. #14	E	
3	1"	N	JB01	Ga1ELB	1	RG58 COAX	N	C03
4	1"	E	JB01	H1ELB	1	1 PR. #14	E	
5	2"	E	JB02	JB01	1	3 PR. #18	E	R02
					2	RG58 COAX	N	C03, C04
6	1"	N	JB02	Ga2ELA	1	RG58 COAX	N	C02
7	1"	E	JB02	H2ELA	1	1 PR. #14	E	
8	1"	N	JB02	Ga1ELA	1	RG58 COAX	N	C01
9	1"	E	JB02	H1ELA	1	1 PR. #14	E	
10	1"	E	JB03	H1WLA	1	1 PR. #14	E	
11	1"	N	JB03	Ga1WLA	1	RG58 COAX	N	C05
12	1"	E	JB03	H2WLA	1	1 PR. #14	E	
13	1"	N	JB03	Ga2WLA	1	RG58 COAX	N	C06
14	2"	E	JB05	JB03	1	3 PR. #18	E	R03
					2	RG58 COAX	N	C05, C06
15	1"	E	JB04	H1WLB	1	1 PR. #14	E	
16	1"	N	JB04	Ga1WLB	1	RG58 COAX	N	C07
17	1"	E	JB04	H2WLB	1	1 PR. #14	E	
18	1"	N	JB04	Ga2WLB	1	RG58 COAX	N	C08
19	2"	E	JB05	JB04	1	3 PR. #18	E	R04
					2	RG58 COAX	N	C07, C08
20	2"	E	JB05	JB02	2	3 PR. #18	E	R01, R02
					4	RG58 COAX	N	C01, C02, C03, C04
21	2"	E	CBA2	JB06	1	1-3c #8 *	E	
					1	#8 COPPER GROUND	E	
22	2"	E	CBA2	JB05	2	3 PR. #18	E	R01, R02
					4	RG58 COAX	N	C01 - C04
23	2"	E	CBA2	JB05	2	3 PR. #18	E	R03, R04
					4	RG58 COAX	N	C05 - C08
24	1"	E	JB05		1	1 PR. #18	N	T02
25	N/A		CR1000		1	1 PR. #18	E	T01

* INSTALLED EATON CONDULET AT WIRE JOINT OR EQUIVALENT AS APPROVED BY THE PROJECT ENGINEER

* TYPE MC ARMORED CABLE

CONDUIT WORK:(N) = INSTALL NEW CONDUIT
(E) = REUSE EXISTING CONDUIT



WIRING DIAGRAM

STATE OF ALASKA PSSE PRELIMINARY PROJECT ENGINEER REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

H1 ATR CONDUIT SCHEDULE AND WIRING DIAGRAM

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CHECKED BY
DRAFTED BY M.L.N.
SCALE 1" = 10'
DATE TIME 2/10/2026 4:03 PM

DRAWING LOCATION
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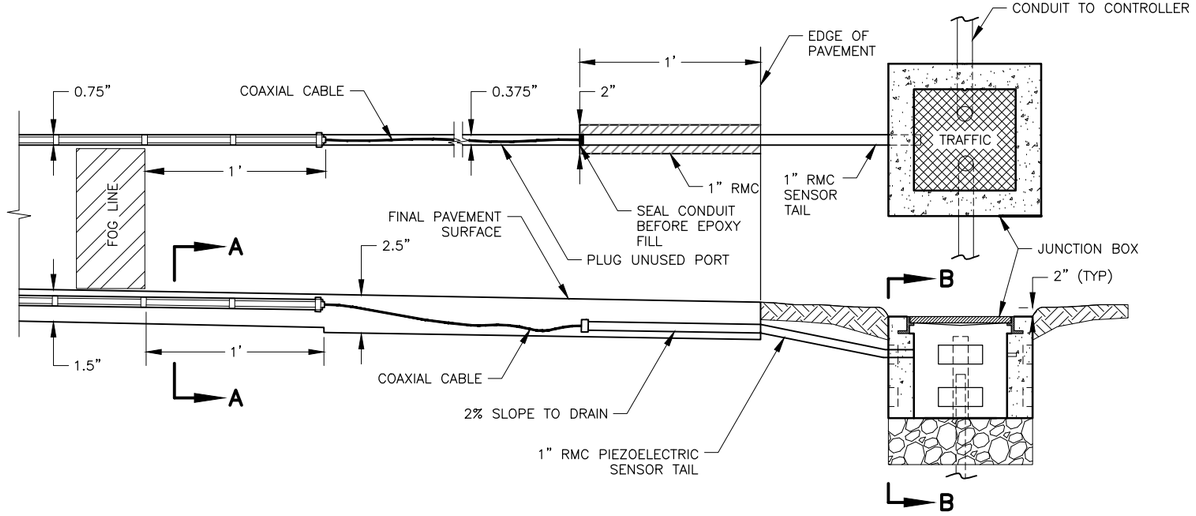
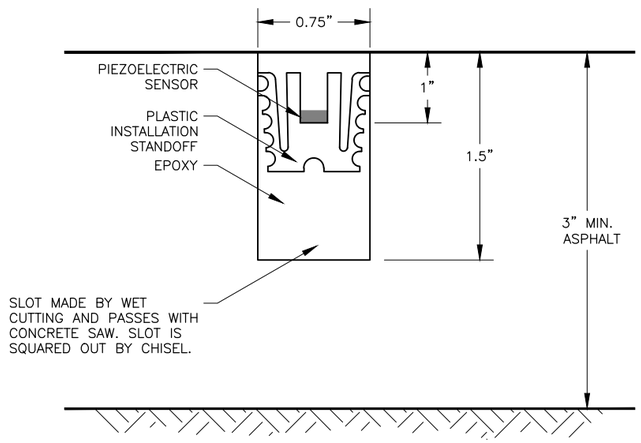
NO.	DATE	REVISION

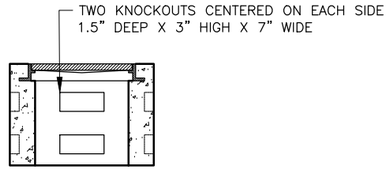
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	K04	K07



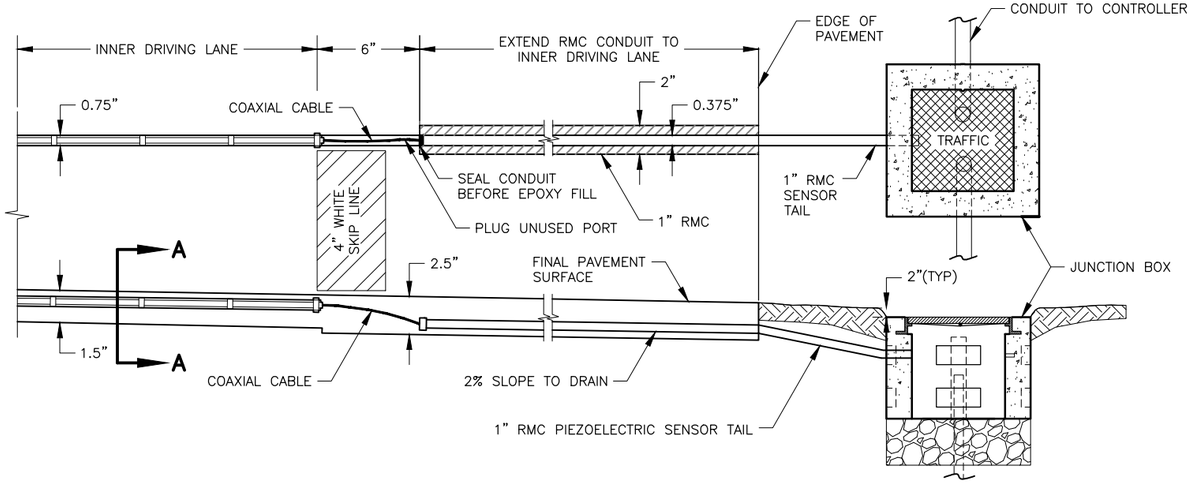
SHOULDER SECTION



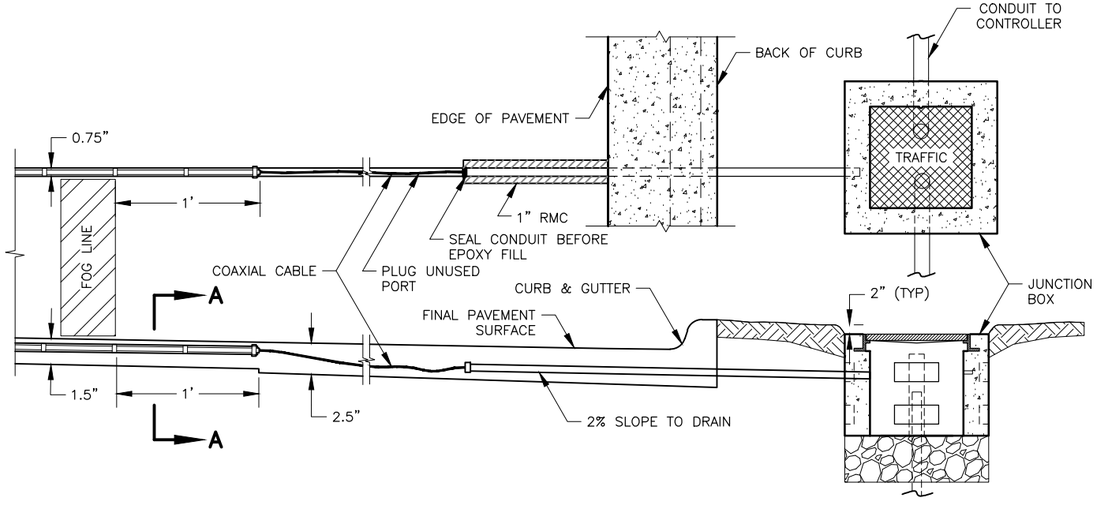
SECTION A–A



SECTION B–B



SHOULDER SECTION FOR INNER LANES



CURB SECTION

TYPICAL STRAIN GAUGE SENSOR DETAILS

NOT TO SCALE

NOTES:

1. INSTALL CONDUIT FOR ALL PIEZO SENSORS IN SHOULDER SECTIONS SLOPED TO DRAIN WHERE THE PIEZO TAIL ENTERS THE J–BOX.

PSSE REVIEW
STATE OF ALASKA
KEITH
PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER

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4111 AVIATION AVENUE
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

TYPICAL STRAIN GAUGE SENSOR

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SCALE 1" = 1'

DATE 2/10/2026 TIME 4:04 PM

DRAWING LOCATION
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0544023/CFHWY01073	2026	K05	K07

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SCALE 1" = 1'

DATE 2/10/2026 TIME 4:04 PM

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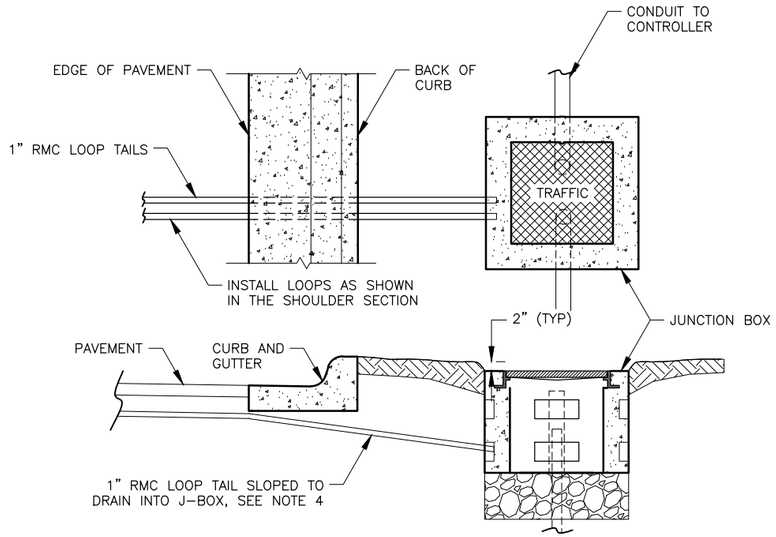
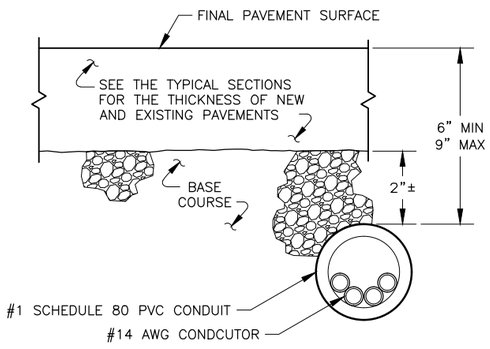


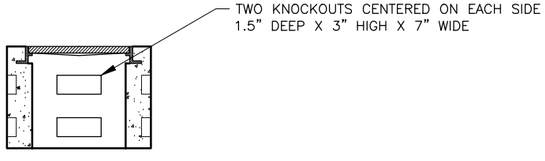
CURB SECTION

NOTES:

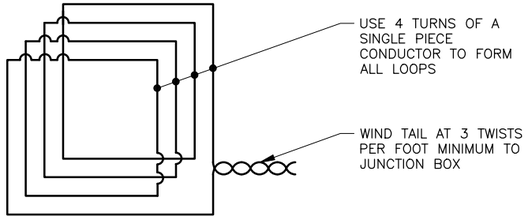
1. EACH LOOP DETECTOR SHALL CONSIST OF A SINGLE PIECE OF #14 AWG CONDUCTOR INSTALLED IN ONE INCH SCHEDULE 80 PVC CONDUIT. BUILD ALL LOOPS 6.0 FEET SQUARE, UNLESS OTHERWISE NOTED, BY SOLVENT WELDING ALL PVC TO PVC JOINTS. USE TYPE X OUTLET BODIES MADE OF HOT DIP GALVANIZED STEEL TO JOIN THE LOOPS AND 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 CONTRACTOR CANNOT 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. CONTRACTOR 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 TO INCLUDE; CONTINUITY, INSULATION RESISTANCE AND INDUCTANCE TESTS AS REQUIRED IN SECTION 660-3.01(7) OF THE STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.



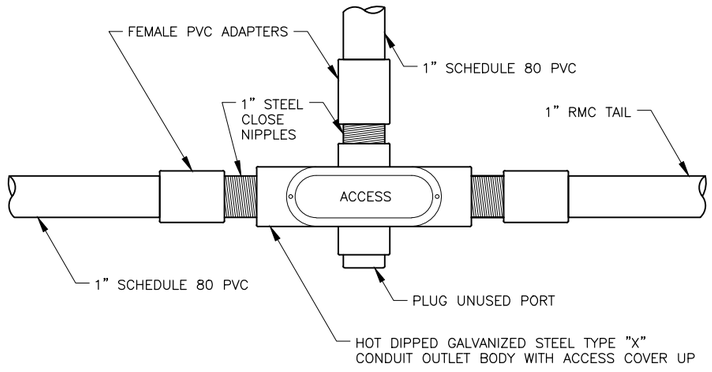
SECTION A-A



SECTION B-B



6'X6' LOOP WIRING DETAIL



"X" BODY DETAIL

NOT TO SCALE

TYPICAL PVC CONDUIT ENCASED LOOP DETECTOR INSTALLATION

NOT TO SCALE

PS&E REVIEW

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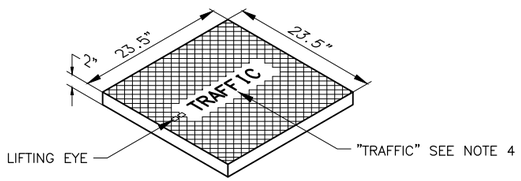
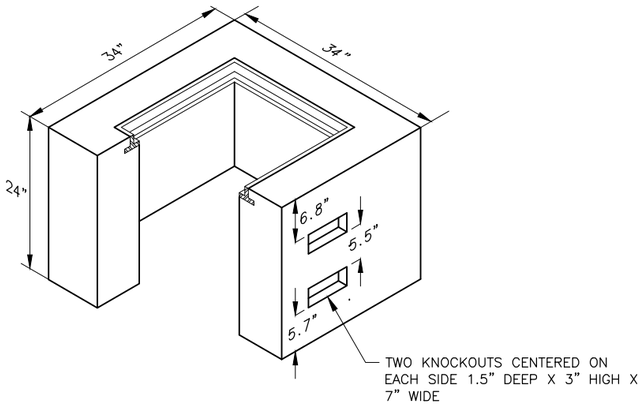
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

LOOP DETECTOR DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0544023/CFHWY01073	2026	K06	K07





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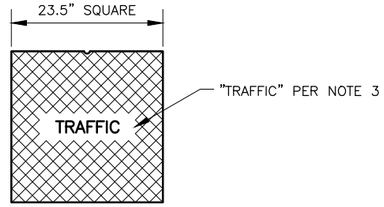
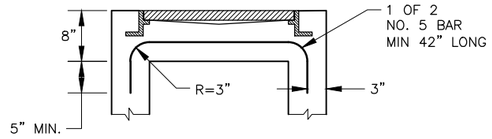


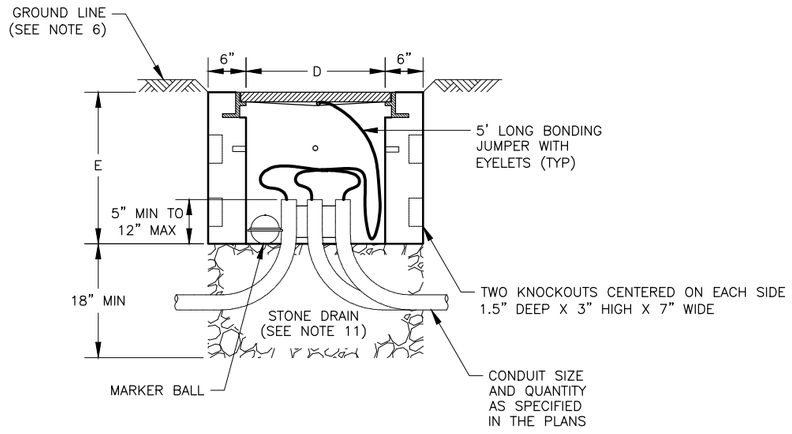
LID FOR TYPE II J-BOXES



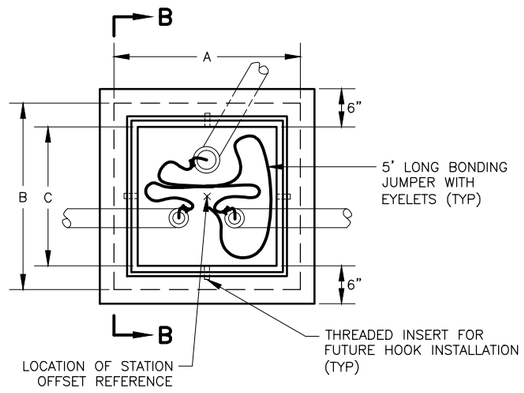
SECTION B-B

NOTES:

1. FURNISH TYPE II, III AND IV JUNCTION BOXES WITH CAST IRON FRAMES AND LIDS THAT WEIGH A MINIMUM OF 210 POUNDS AND ARE RATED FOR HEAVY TRAFFIC LOADS IN COMPLIANCE WITH AASHTO M306.
2. CONSTRUCT JUNCTION BOXES ACCORDING TO SECTION 501 USING CLASS A CONCRETE. REINFORCE TYPE IA JUNCTION BOXES AS SHOWN. SYNTHETIC STRUCTURAL FIBER-REINFORCED CONCRETE THAT MEETS ASTM C 1116 AND CONTAINS FIBER IN PROPORTIONS AS RECOMMENDED BY THE FIBER MANUFACTURER MAY BE ADDED FOR STRENGTH.
3. FURNISH LIDS WITH THE WORD "TRAFFIC" INSCRIBED INTO THEM.
4. UNDER JUNCTION BOXES, INSTALL STONE DRAINS THAT CONSIST OF POROUS BACKFILL MATERIAL CONFORMING TO SUBSECTION 703-2.10.
5. SET THE TOPS OF JUNCTION BOXES WITH THE FOLLOWING DIMENSIONS BELOW THE FINISHED SURROUNDING SURFACE:
   - 1" IN PAVED MEDIANS AND ADJACENT TO PEDESTRIAN FACILITIES
   - 1/4" IN PEDESTRIAN FACILITIES
   - 2" IN ALL OTHER AREAS
6. BOND JUNCTION BOX LIDS TO THE SYSTEM OF EQUIPMENT GROUNDING CONDUCTORS ACCORDING TO SUBSECTION 660-3.06. ATTACH BONDING JUMPERS TO THE JUNCTION BOX LIDS WITH BRASS OR STAINLESS STEEL HARDWARE.
7. INSTALL LOOP DETECTOR TAILS THROUGH THE TOP KNOCKOUT OF TYPE II JUNCTION BOXES. AFTER SETTING THE BOXES TO GRADE, INSTALL GROUT IN THE GAPS THAT REMAIN IN THE KNOCKOUT.
8. INSTALL A 1/2" THICK PREFORMED BITUMINOUS JOINT MATERIAL AROUND JUNCTION BOXES INSTALLED IN PORTLAND CEMENT CONCRETE WALKWAYS.
9. INSTALL AN ELECTRONIC MARKER BALL IN ALL JUNCTION BOXES PER SUBSECTION 660-3.04.
10. PRIOR TO INSTALLATION MARK ALL JUNCTION BOX LOCATIONS WITH A WIRE STAFF VINYL FLAG. THE FLAG SHALL BE RED IN COLOR AND MINIMUM 4-INCHES TALL BY 5-INCHES WIDE. THE WIRE STAFF SHALL BE 21-INCHES IN LENGTH AND CONSTRUCTED OF MINIMUM 15.5 GAUGE STEEL.
11. UNDER JUNCTION BOXES, INSTALL STONE DRAINS THAT CONSIST OF POROUS BACKFILL MATERIAL CONFORMING TO SUBSECTION 703-2.10



TYPE II JUNCTION BOX



PLAN

J-BOX DIMENSIONS					
J-BOX TYPE	A(MAX.)	B(MAX.)	C(MIN.)	D(MIN.)	E(MIN.)
II	29.5"	29.5"	22"	22"	24"

TYPE II JUNCTION BOX

PSSE REVIEW

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

HSIP: TUDOR RD: BAXTER RD TO PATTERSON ST CHANNELIZATION

ATR TYPE II JUNCTION BOX DETAILS

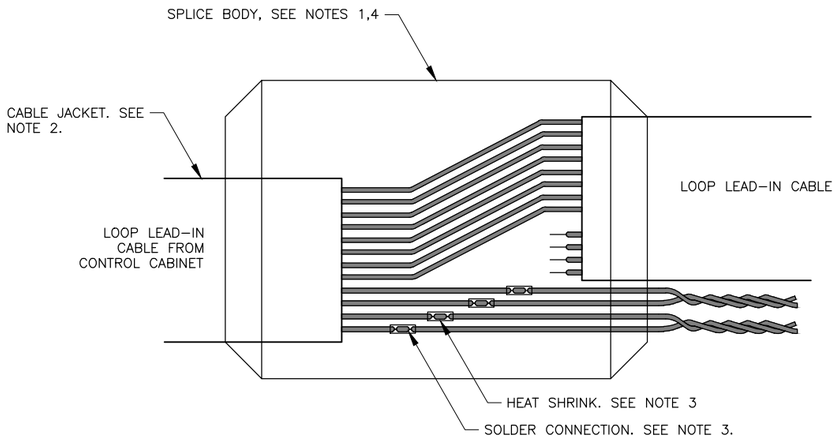
DESIGNED BY ---
CHECKED BY ---
DRAFTED BY ---

SCALE 1" = 1'

DATE 2/10/2026 TIME 4:05 PM

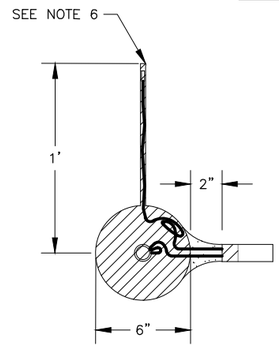
DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\K SHEETS\00173 K02_K07 SHEET ATR.DWG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0544023/CFHWY01073	2026	K07	K07



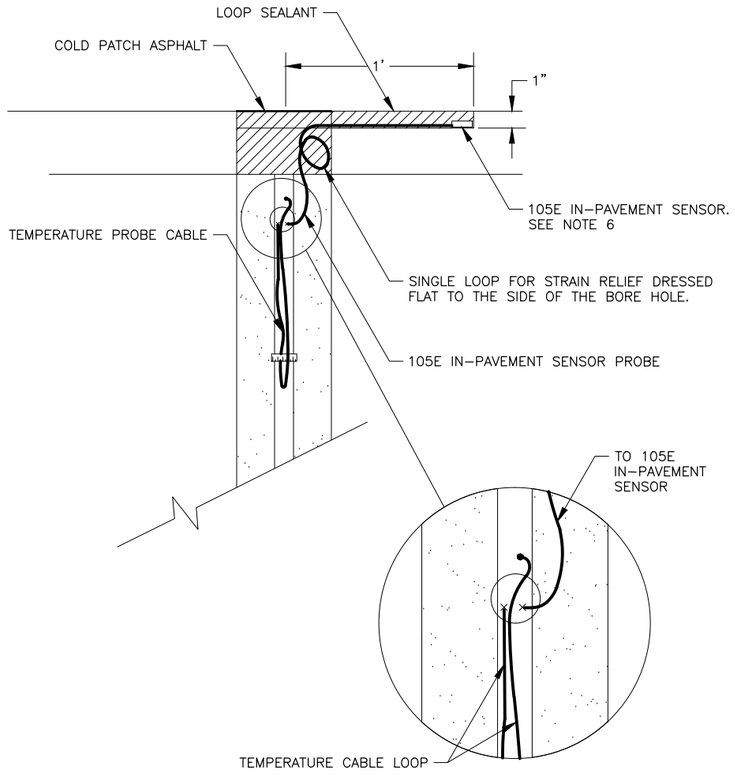
TYPICAL SPLICE DETAIL

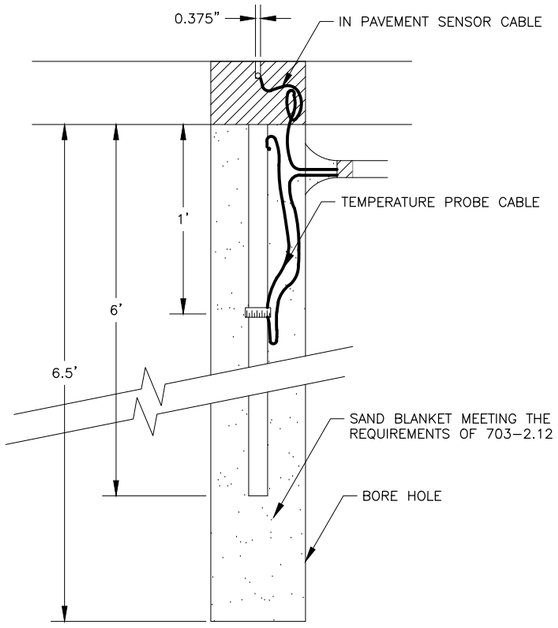
NOT TO SCALE



NOTES:

1. TERMINATE ALL SPARES WITHIN THE SPLICE BODY.
2. SPLICE BODY TO ENCLOSE ALL CABLE JACKETS.
3. STAGGER SPLICE POINTS. SOLDER CONNECTIONS, ENCLOSE EXPOSED CONDUCTORS IN ADHESIVE WALL HEAT SHRINK TUBING.
4. USE A NON-REENTERABLE, WET LOCATION, COMMERCIAL SPLICE KIT 3M TYPE 82-F1 OR EQUIVALENT AS APPROVED BY THE ENGINEER.
5. SOLDER CONNECTIONS. DO NOT USE COMPRESSION CONNECTIONS. WARP CONDUCTORS OVER EACH OTHER BEFORE SOLDERING.
6. SLOT FOR IN-PAVEMENT SENSORS SHALL BE PARALLEL TO THE DIRECTION OF TRAVELED WAY.





TEMPERATURE SENSOR DETAILS

NOT TO SCALE

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
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TYPICAL SPLICE

DESIGNED BY
CHECKED BY
DRAFTED BY

SCALE 1" = 1'

DATE TIME 2/10/2026 4:05 PM

DRAWING LOCATION
W:\PROJECTS\HSIP TUDOR RD BAXTER RD TO PATTERSON ST CHANNELIZATION - CFHWY01073\CIV3D\PLANSET\K SHEETS\00173 K02_K07 SHEET ATR.DWG