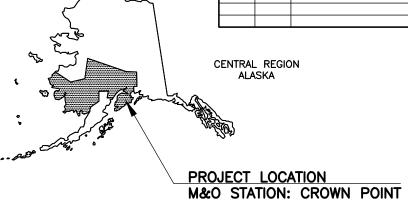
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

SEWARD HIGHWAY MP 14 RAILROAD CROSSING RECONSTRUCTION PROJECT NO. 0311037/CFHWY00947

GRADING, DRAINAGE, PAVING, BRIDGE, SIGNING, AND STRIPING



PROJECT SUMMARY							
ROADWAY	WIDTH	LENGTH					
SEWARD HIGHWAY MP 14	36 FT	1 MILF					
SEWARD HIGHWAY MP 14	36 FT	I MILE					

PROJECT DESIGNATION

0311037/CFHWY00947

1020000X000

60.285294

2025

MILEPOINT

LONGITUDE

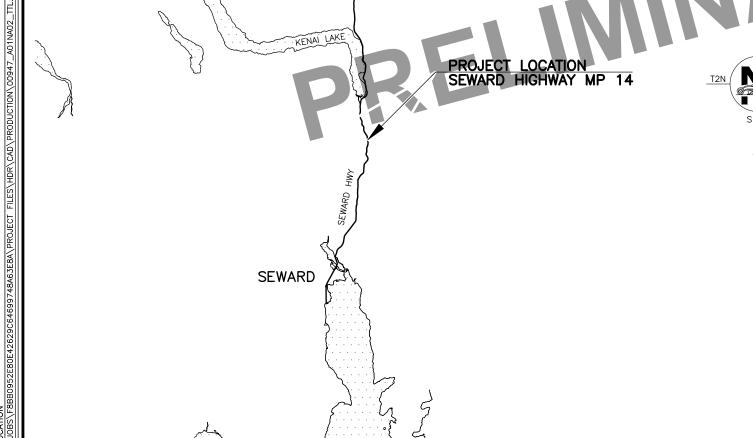
Α1

12.500 - 15.500

-149.343277

ALASKA

DESIGN DESIGNATIONS						
	SEWARD HIGHWAY					
FUNCTIONAL CLASS	RURAL ARTERIAL					
AADT (2022)	3,205					
AADT (2045)	3,662					
DESIGN SPEED (V) (MPH)	55					
DHV (2022)	723					
DHV (2045)	827					
T-PERCENT COMMERCIAL TRUCKS (%)	12.11					
D-DIRECTIONAL DISTRIBUTION (%)	62 / 38					



PIHREVIEW NOV. 2024

PLANS DEVELOPED BY: HDR, INC.

STATE OF ALASKA

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

APPROVED:

CONCUR:

REGIONAL PRECONSTRUCTION ENGINEER

REGIONAL CONSTRUCTION ENGINEER

DATE

DATE



	NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
							.,,,,	0112270
ı				ALASKA	0311037/CFHWY00947	2025	Δ2	I A.3
ı					0011007/011111100017	2020	/ _	^3

GENERAL NOTES:

CHOOSE ONE OF THE FOLLOWING PARAGRAPHS THAT BEST FITS YOUR PROJECT.

- 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.
- THE RIGHT-OF-WAY LINES SHOWN WERE CREATED FOR THIS PROJECT BY LOUNSBURY & ASSOCIATES AND ARE BASED ON RECORDED DOCUMENTS AND/OR PLATTED SUBDIVISIONS, AND SURVEYED MONUMENTS. THE RIGHT-OF-WAY LINES WERE INSERTED USING A COMMON COORDINATE
- 3. ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATE METHOD APPROVED BY THE ENGINEER.
- CLEARING LIMITS SHALL BE 5 FEET BEYOND SLOPE CATCH POINTS OR 10 FEET INSIDE THE RIGHT-OF-WAY LINE, WHICHEVER IS LESS. IN WETLAND AREAS, DO NOT CLEAR BEYOND THE SLOPE STAKE CATCH POINT UNLESS OTHERWISE SHOWN ON THE PLANS.
- PLACE 4" TOPSOIL AND SEED ON ANY AREAS DISTURBED BY CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.
- 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 TEMPERATUR 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.

FOR PARALLEL GUARDRAIL TERMINALS, USE AN END OFFSET OF 2 FEET.

INDEX						
SHEET NO.	DESCRIPTION					
A1	TITLE SHEET					
A2	SHEET LAYOUT, INDEX, AND GENERAL NOTES					
А3	LEGEND					
B1	TYPICAL SECTIONS					
C1	ESTIMATE OF QUANTITIES					
E1-E4	DETAIL SHEETS					
F1-F14	PLAN AND PROFILE SHEETS					



THE FOLLOWING CENTRAL REGION STANDARD DETAILS APPLY TO THIS PROJECT:

CR-G-28.00, 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

C-00.05, G-05.11S, G-05.11W, G-10.21, G-11.01, G-20.12, G-27.00, G-29.01, G-32.03, G-33.00, G-47.00

T-05.10, T-06.00, T-20.04, T-21.04, T-25.10

ABBREVIATIONS:

SPECIFICATION:

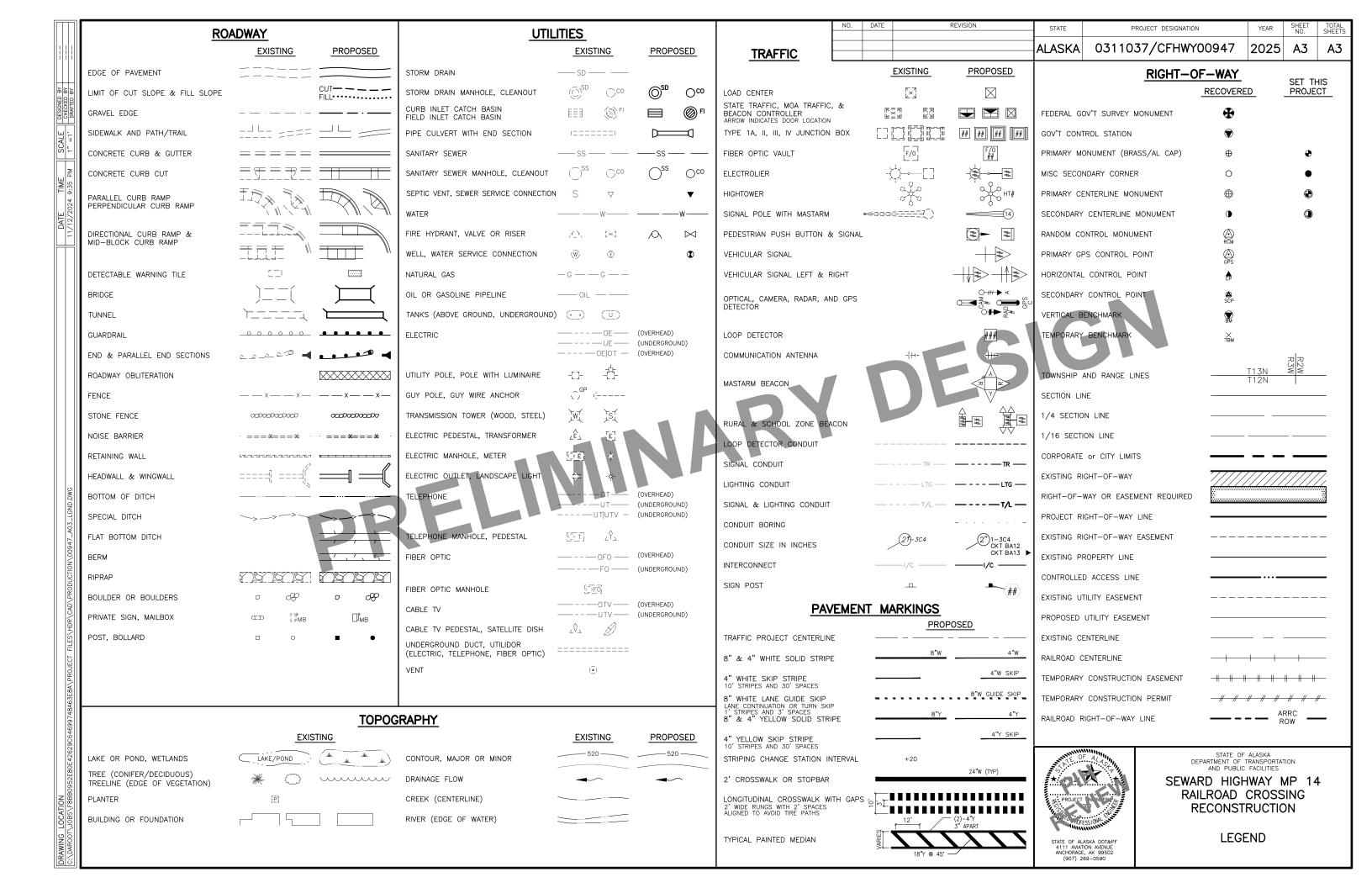
CONSTRUCT THE IMPROVEMENTS COVERED BY THESE PLANS IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 2020 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE PROJECT SPECIAL PROVISIONS.

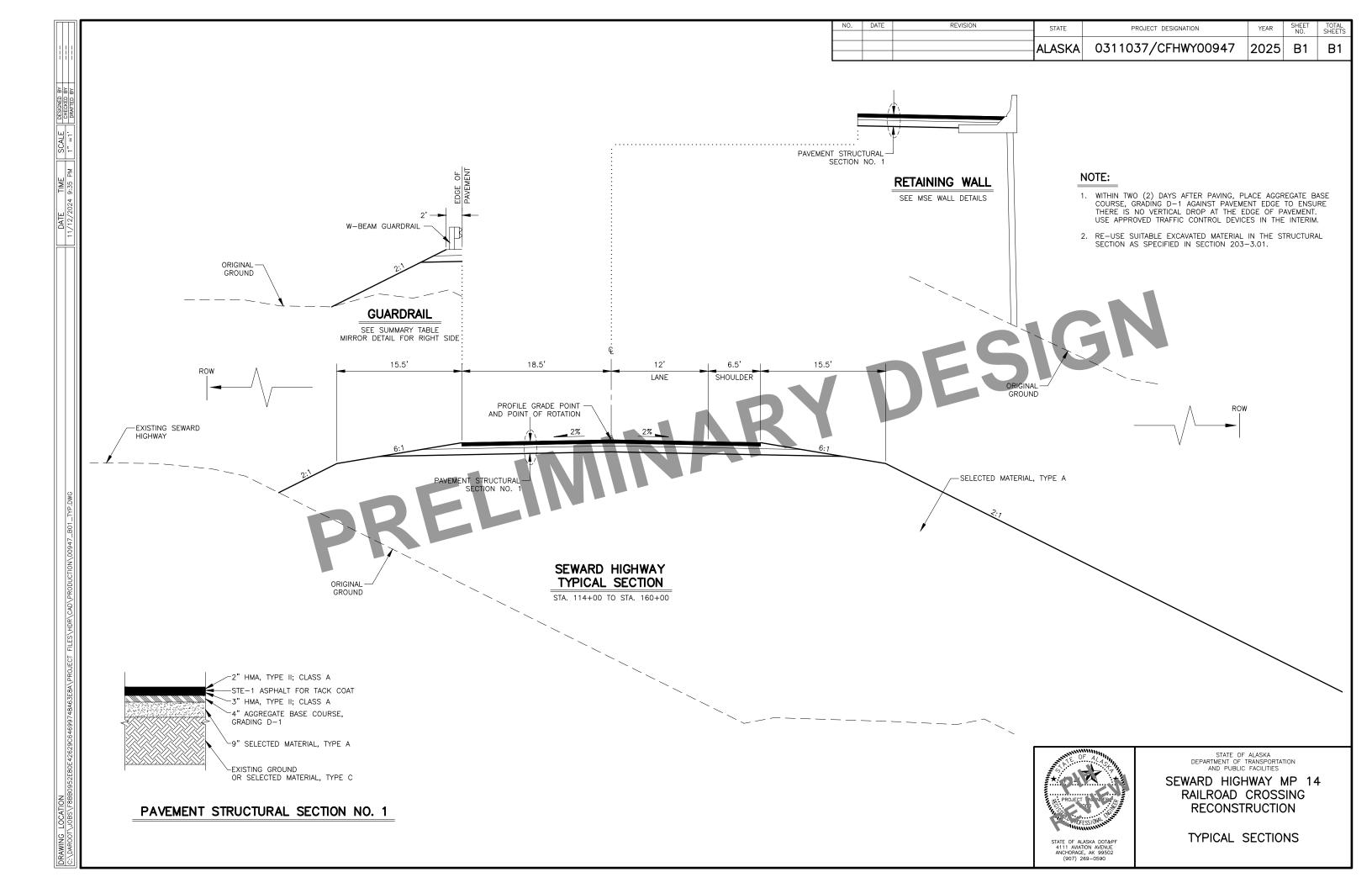


AND PUBLIC FACILITIES

SEWARD HIGHWAY MP 14 RAILROAD CROSSING RECONSTRUCTION

SHEET LAYOUT, INDEX, AND GENERAL NOTES





ITEM NO	ITEM DECODIDATION	DAY UNIT	TOTAL
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201.0009.0000	CLEARING AND GRUBBING	L.S.	ALL REQ'D
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	ALL REQ'D
202.0002.0000	REMOVAL OF PAVEMENT	S.Y.	18,400
202.0004.0000	REMOVAL OF CULVERT PIPE	L.F.	520
202.2032.0000	REMOVAL OF MONUMENT AND CASE	EACH	3
203.0003.0000	UNCLASSIFIED EXCAVATION	C.Y.	30,000
203.0006.000A	BORROW, TYPE A	TON	218,000
203.0009.0000	OBLITERATION OF ROADWAY	S.Y.	4,350
205.009.0000	STRUCTURAL FILL	C.Y.	1,550
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	4,100
401.0002.002A	HMA, TYPE II; CLASS A	TON	5,350
401.0002.0028	ASPHALT BINDER, GRADE PG 64-40 E	TON	115
401.2022.0000	COMBINED PRICE ADJUSTMENT	C.S.	ALL REO'[
TU1.2U22.UUUU	COMMITTED I MICE ADDOCTIMENT	0.3.	ALL REQI
406.0006.0000	RUMBLE STRIPS, SHOULDERS	STA	53
501.0001.0000	CLASS A CONCRETE	L.S.	ALL REQ'
501.0007.0000	PRECAST CONCRETE MEMBER, 115'-6" DECKED BULB-TEE	EACH	8
503.0001.0000	REINFORCING STEEL	L.S.	ALL REQ'[
503.0007.0000	EPOXY-COATED REINFORCING STEEL	L.S.	ALL REQ'
505.0005.0001 505.0006.0001	FURNISHING STRUCTURAL STEEL H-PILES, HP 14X117 DRIVE STRUCTURAL STEEL H-PILES, HP 14X117	L.F. EACH	1,300
508.0001.0000	WATERPROOFING MEMBRANE, SPRAY-APPLIED	L.S.	ALL REQ'
308.0001.0000	WATERFROOTING WEWENANE, STAT-AFFELD	L.S.	ALL REQ1
511.0001.0000	MECHANICALLY STABILIZED EARTH WALL	S.F.	12,351
603.0009.0036	CORRUGATED ALUMINUM PIPE 36 INCH	L.F.	156
603.0009.0096	CORRUGATED ALUMINUM PIPE 96 INCH	L.F.	103
606.0001.0000	W-BEAM GUARDRAIL	L.F.	2,300
606.0006.0000	REMOVING AND DISPOSING OF GUARDRAIL	L.F.	4,900
606.0013.0000	PARALLEL GUARDRAIL TERMINAL	EACH	4
606.0016.0000	TRANSITION RAIL	EACH	4
611.0002.0004	RIPRAP, CLASS IV	TON	6,500
615.0001.0000	STANDARD SIGN	S.F.	20
618.0002.0000	SEEDING	POUND	380
620.0001.0000	TOPSOIL	S.Y.	24,400
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'
640.0004.0000	WORKER MEALS AND LODGING, OR PER DIEM	L.S.	ALL REQ'
641.0001.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQ'
641.0005.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL BY DIRECTIVE	C.S.	ALL REQ'
641.0006.0000	WITHHOLDING	C.S.	ALL REQ'
641.0007.0000	SWPPP MANAGER	L.S.	ALL REQ'[
	SWPPPTRACK	C.S.	ALL REQ'

	NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
-				ALASKA	0311037/CFHWY00947	2025	C1	C1

	ESTIMATE OF QUANTITIES								
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY						
642.0001.0000	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D						
642.0003.0000	THREE PERSON SURVEY PARTY	HOUR	1,500						
642.0004.0000	SET PRIMARY MONUMENT	EACH	3						
642.0010.0000	MONUMENT CASE	EACH	3						
643.0002.0000	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D						
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	C.S.	ALL REQ'D						
643.0025.0000	TRAFFIC CONTROL	C.S.	ALL REQ'D						
643.0032.0000	FLAGGING	C.S.	ALL REQ'D						
644.0001.0000	FIELD OFFICE	L.S.	ALL REQ'D						
644.0002.0000	FIELD LABORATORY	L.S.	ALL REQ'D						
644.0003.0000	CURING SHED	L.S.	ALL REQ'D						
644.0015.0000	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1						
644.2002.0000	ENGINEERING COMMUNICATIONS	C.S.	ALL REQ'D						
645.0001.0000	TRAINING PROGRAM, 3 TRAINEES / APPRENTICES	L.H.	1,500						
646.0001.0000	CPM SCHEDULING	L.S.	ALL REQ'D						
646.2000.0000	SCHEDULE PRICE ADJUSTMENT	C.S.	ALL REQ'D						
654.2002.0000	EAGLE MONITORING	C.S.	ALL REQ'D						
670.2002.0000	MMA PAVEMENT MARKINGS, INLAID	L.S.	ALL REQ'D						
671.2003.0000	STREAM SUBSTRATE	TON	140						
671.2005.0000	STREAM DIVERSION AND DEWATERING	L.S.	ALL REQ'D						
682.2000.0000	VAC-TRUCK POTHOLE	L.S.	ALL REQ'D						

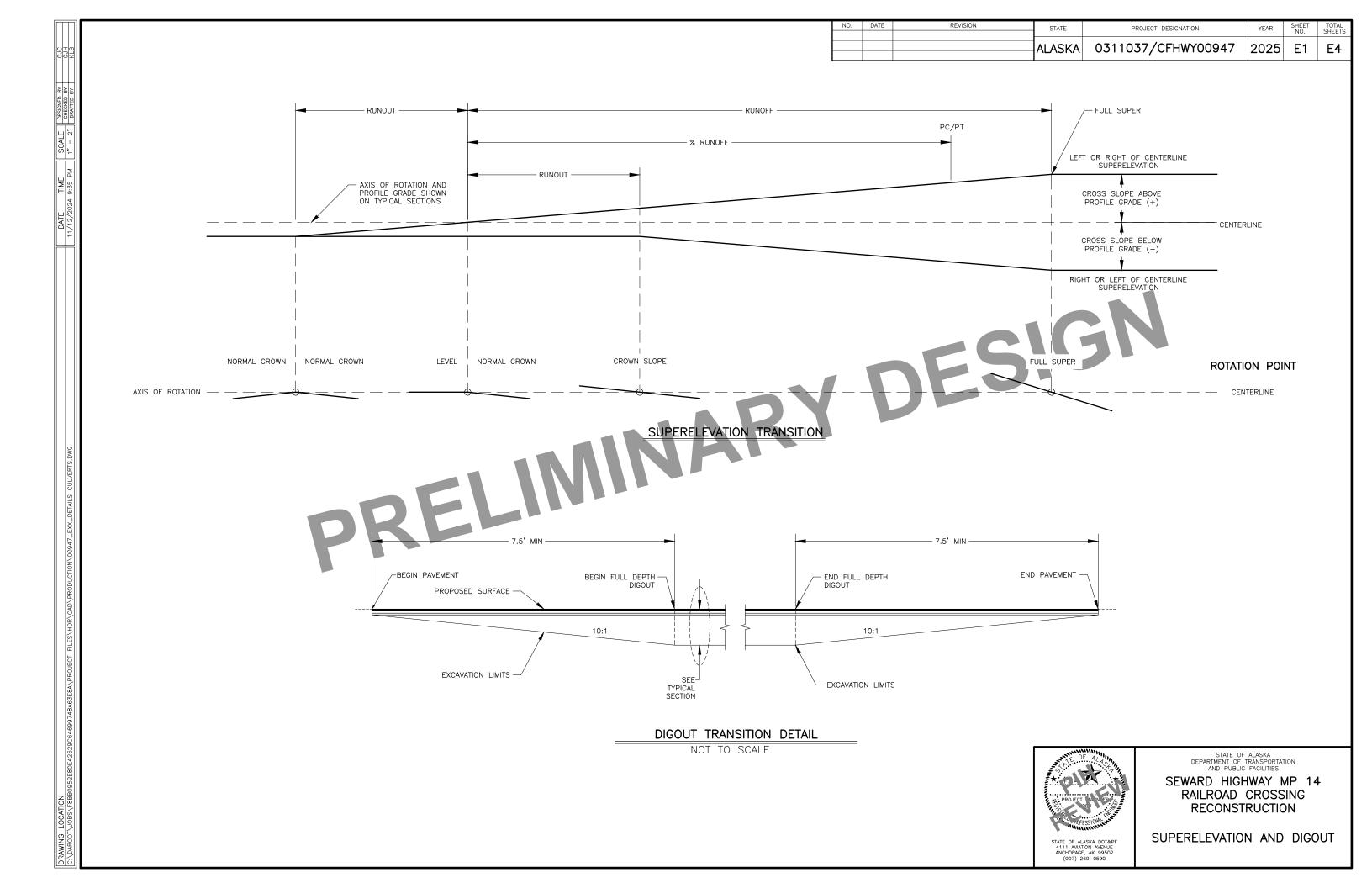
TABLE OF ESTIMATING FACTORS								
ITEM NO.	ITEM DESCRIPTION	UNIT						
203.0006.000A	BORROW, TYPE A	144 LB./C.F.						
301.0001.0001	AGGREGATE BASE COURSE, GRADING D-1	144 LB./C.F.						
401.0001.0000	HMA, TYPE II; CLASS A	150 LB./C.F.						
401.0004.6440	ASPHALT BINDER, GRADE PG 64-40 E	5.3% OF TOTAL WEIGHT OF 401.0001.0000						
611.0002.0004	RIPRAP, CLASS IV	108 LB./C.F.						

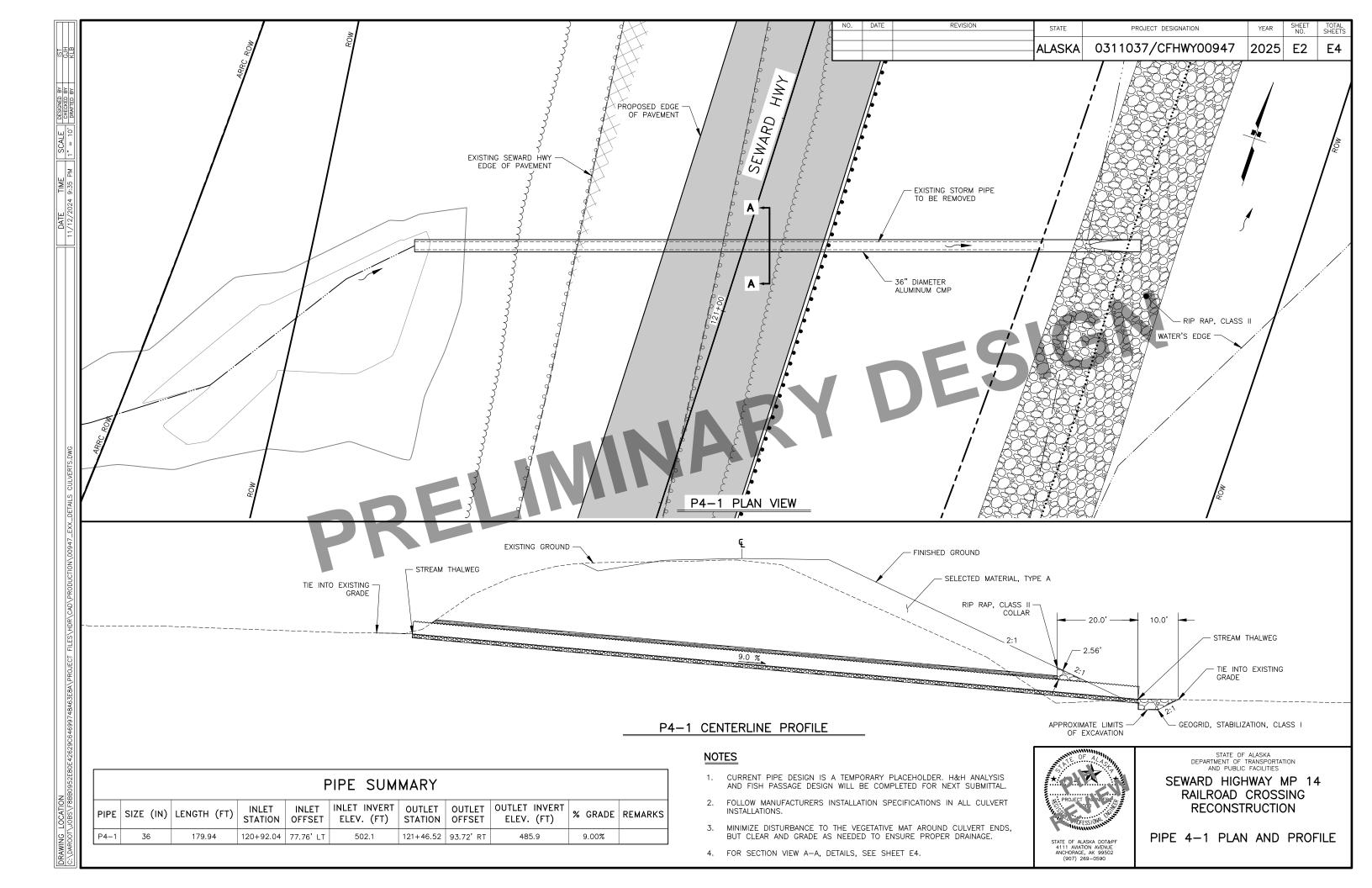


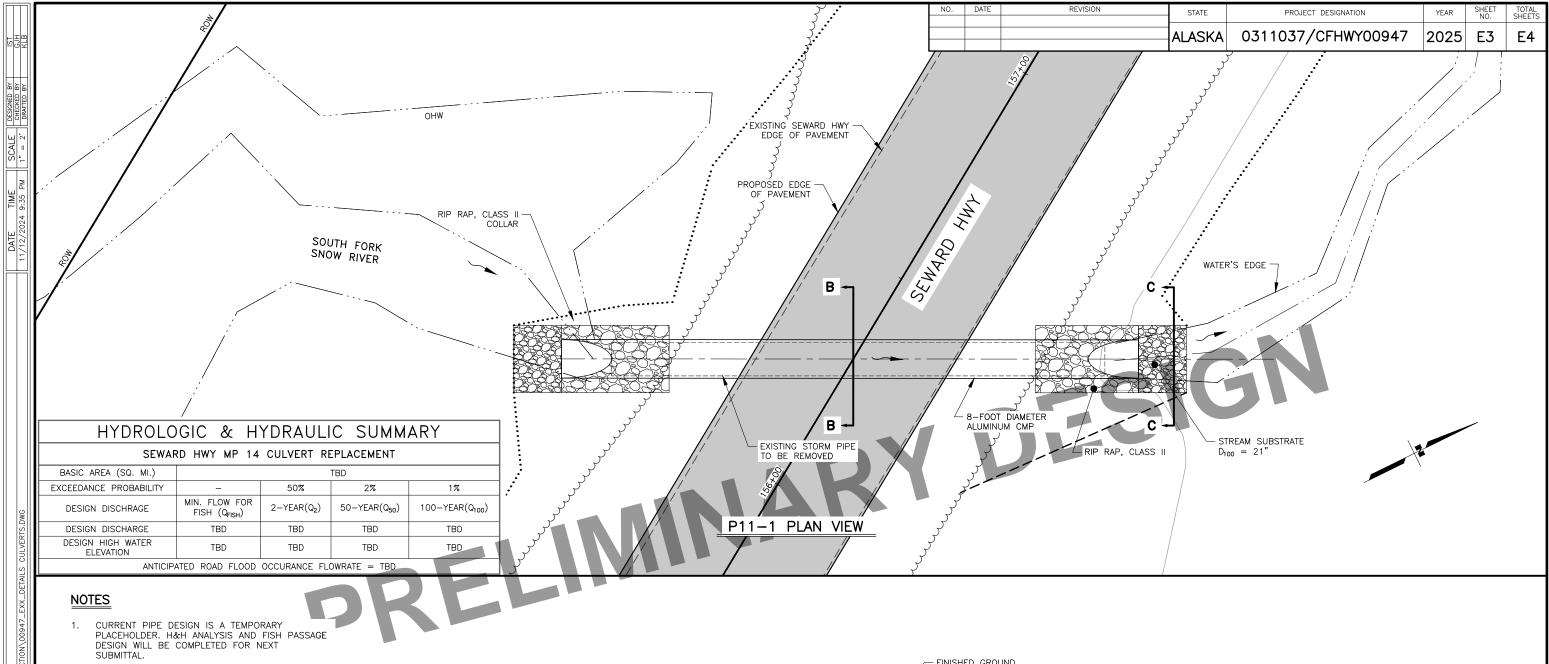
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SEWARD HIGHWAY MP 14
RAILROAD CROSSING
RECONSTRUCTION

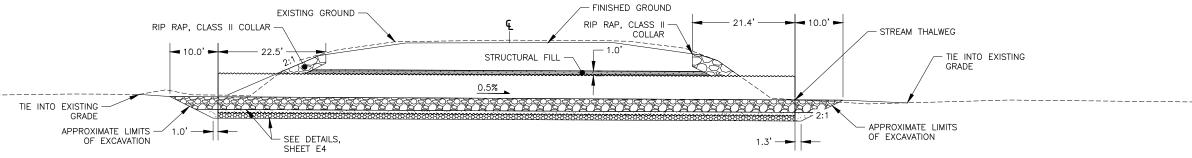
OF ALASKA DOT&PF AVIATION AVENUE IORAGE, AK 99502 IO7) 269-0590 ESTIMATE OF QUANTITIES







- 2. FOLLOW MANUFACTURERS INSTALLATION SPECIFICATIONS IN ALL CULVERT INSTALLATIONS.
- 3. MINIMIZE DISTURBANCE TO THE VEGETATIVE MAT AROUND CULVERT ENDS, BUT CLEAR AND GRADE AS NEEDED TO ENSURE PROPER DRAINAGE.



	PIPE SUMMARY									
PIPE	SIZE (IN)	LENGTH (FT)	INLET STATION	INLET OFFSET	INLET INVERT ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET INVERT ELEV. (FT)	% GRADE	REMARKS
P11-1	96	120.15	155+99.20	52.04' LT	471.0	156+61.17	50.89' RT	470.4	0.50%	

P11-1 CENTERLINE PROFILE



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SEWARD HIGHWAY MP 14 RAILROAD CROSSING RECONSTRUCTION

> PIPE 11-1 PLAN & PROFILE

