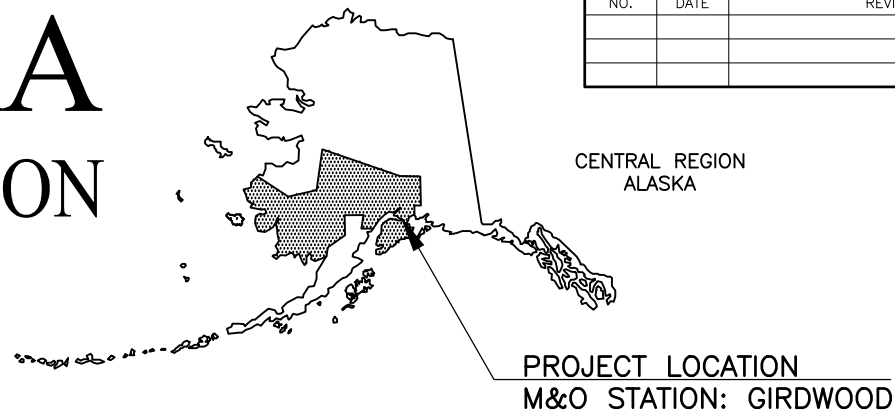


FILE Z:\PROJECT\2129.00 DOT-C SEWARD HWY MP 99 105 CIVIL\ACAD\SEWARD HWY 2129.01-A01.DWG
DATE/TIME 2/3/2019 1:57 PM LAYOUT A1
DESIGNED
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STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	A1	187
			ROUTE	130000	MILEPOINT	98.904 - 104.157	
			LATITUDE	60.982142	LONGITUDE	-149.488766	

PROPOSED HIGHWAY PROJECT

SEWARD HWY: MP 100-105 IMPROVEMENTS

PROJECT NO. 0A31056/CFHWY00011

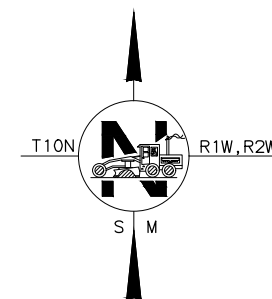
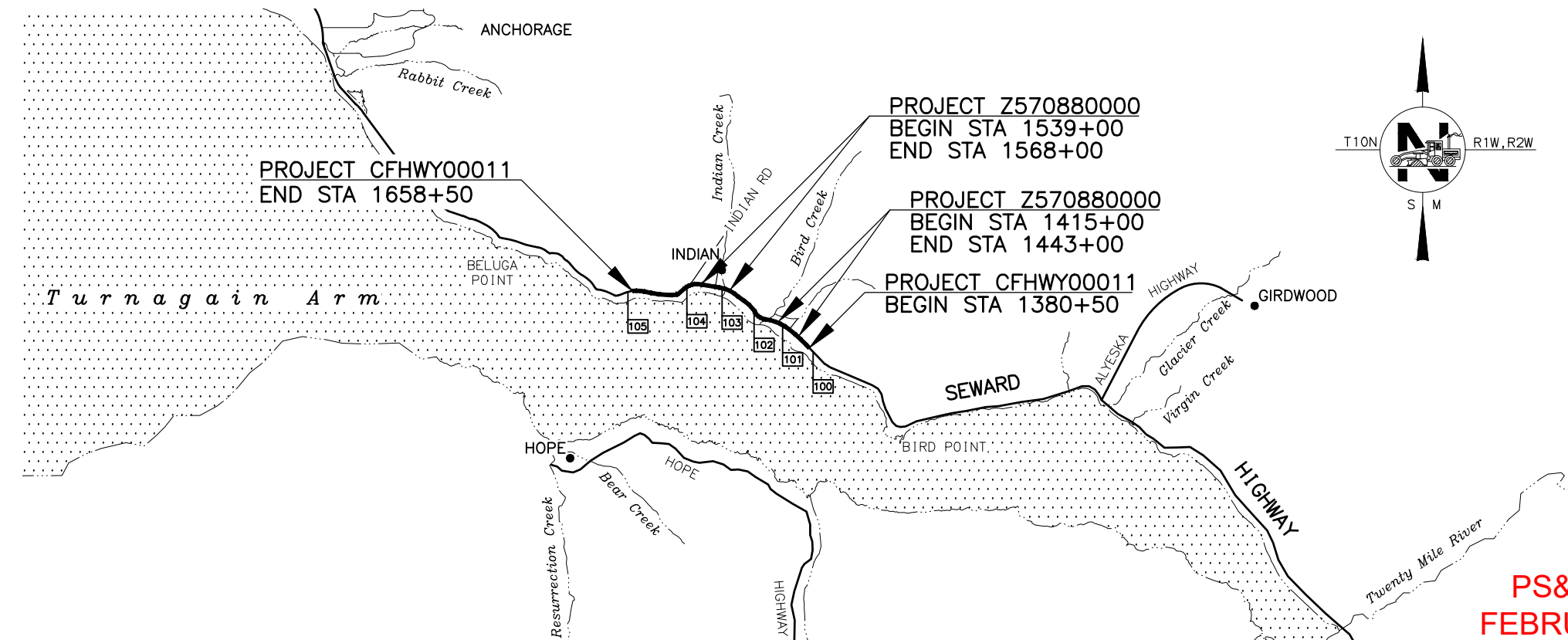
GRADING, DRAINAGE, BRIDGE STRUCTURES, PAVING,
PATHWAYS, SIGNING, AND STRIPING

PROJECT SUMMARY		
ROADWAY	WIDTH	LENGTH
SEWARD HWY MP 100-105	40 FT	5.27 MILES
BRIDGE NO. 643 (BIRD CREEK)	55.3 FT	0.04 MILES
BRIDGE NO. 644 (INDIAN CREEK)	62.5 FT	0.04 MILES

HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES

PROJECT NO. 0001497/Z570880000

GRADING, DRAINAGE, PAVING, SIGNING, STRIPING, ILLUMINATION, AND SIGNALIZATION



DESIGN DESIGNATIONS	
	ROADWAY NAME
FUNCTIONAL CLASS	RURAL ARTERIAL
AADT (2012)	9,000
AADT (2030)	13,065
DESIGN SPEED (V) (MPH)	65
DHV (2012)	1,413
DHV (2030)	2,051
T-PERCENT COMMERCIAL TRUCKS (%)	12.0
D-DIRECTIONAL DISTRIBUTION (%)	45/55 (N/S)
ESALs	2,281,499

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.

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

APPROVED:

REGIONAL PRE-CONSTRUCTION ENGINEER DATE

CONCUR:

REGIONAL CONSTRUCTION ENGINEER DATE

PS&E REVIEW
FEBRUARY 2019

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DATE/TIME 2/3/2019 1:57 PM LAYOUT A2
DESIGNED
CHECKED
DRAFTED

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE RIGHT-OF-WAY, TEMPORARY CONSTRUCTION EASEMENTS, AND TEMPORARY CONSTRUCTION PERMITS. NO EXCESS MATERIAL SHALL BE DISPOSED OF WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY CALLED FOR IN THE PLANS OR DIRECTED BY THE ENGINEER.
2. THE ROW LINES SHOWN WERE DRAWN ON THE PLANS USING INFORMATION FROM DOT&PF, PLATTED SUBDIVISIONS, AND SURVEYED MONUMENTS ON THE GROUND. THE ROW LINES WERE INSERTED USING A COMMON COORDINATE SYSTEM.
3. ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATE METHOD APPROVED BY THE ENGINEER. PAVEMENT CUTS SHALL BE SUBSIDIARY TO 202.0002.0000 REMOVAL OF PAVEMENT.
4. CLEARING LIMITS SHALL BE 10 FEET BEYOND SLOPE CATCH POINTS OR TO THE RIGHT-OF-WAY LINE, WHICHEVER IS LESS. IN WETLAND AREAS, DO NOT CLEAR BEYOND SLOPE CATCH POINTS.
5. PLACE 4" TOPSOIL AND SEED ANY AREAS DISTURBED BY CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.
6. THE EXISTING INFORMATION SHOWN IN THE PLANS IS FROM FIELD SURVEYS AND AS-BUILTS. FIELD CONDITIONS MAY NOT BE ACCURATELY REPRESENTED AND/OR MAY HAVE CHANGED. ADJUST INSTALLATIONS AS DIRECTED BY THE ENGINEER.
7. WHEN NEW EMBANKMENT IS TO BE COMPACTED AGAINST EXISTING EMBANKMENT, BENCH SLOPES ACCORDING TO SUBSECTION 203-3.03.
8. FOR PARALLEL GUARDRAIL TERMINALS, USE AN END OFFSET OF 2 FEET.

SPECIFICATION:

CONSTRUCT THE IMPROVEMENTS COVERED BY THESE PLANS IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 2017 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE PROJECT SPECIAL PROVISIONS.

ABBREVIATIONS

Δ	DELTA ANGLE	NTS	NOT TO SCALE
AADT	ANNUAL AVERAGE DAILY TRAFFIC	PC	POINT OF CURVATURE
ASPP	ALUMINUM STRUCTURAL PLATE PIPE	PCC	POINT OF COMPOUND CURVATURE
ATB	ASPHALT TREATED BASE	PCF	POUNDS PER CUBIC FOOT
BOP	BEGINNING OF PROJECT	PRC	POINT OF REVERSE CURVATURE
CB	CONCRETE BOX CULVERT	PG	PROFILE GRADE
CFS	CUBIC FEET PER SECOND	PI	POINT OF INTERSECTION
CL	CENTERLINE	POR	POINT OF ROTATION
CY	CUBIC YARD	POC	POINT ON CURVE
D	DEGREE OF CURVATURE, DIAMETER	POT	POINT ON TANGENT
DHV	DESIGN HOURLY VOLUME	PT	POINT OF TANGENCY
DOT&PF	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	ROW	RIGHT-OF-WAY
DWG	DRAWING	R	RADIUS
E	EAST, EASTING	RP	RADIUS POINT
EA	EACH	RT	RIGHT
EL, ELEV	ELEVATION	S	SUPERELEVATION
EOP	END OF PROJECT	SF	SQUARE FEET
FT	FEET, FOOT	SHLD	SHOULDER
HDPE	HIGH DENSITY POLYETHYLENE	SS	SMOOTH STEEL PIPE
HMA	HOT MIX ASPHALT	STA	STATION
IN	INCH	SY	SQUARE YARD
L	LENGTH	T	TANGENT, TRUCKS
LF	LINEAR FEET	TYP	TYPICAL
LT	LEFT	V	DESIGN SPEED
ME	MATCH EXISTING	VC	VERTICAL CURVE
MI	MILE	VPC	VERTICAL POINT OF CURVATURE
MP	MILEPOST	VPI	VERTICAL POINT OF INTERSECTION
N	NORTH, NORTHING	VPT	VERTICAL POINT OF TANGENCY
		W	WEST

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	A2	A7

INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SHEET LAYOUT, INDEX, AND GENERAL NOTES
A3	LEGEND
A4-A7	SURVEY CONTROL SHEETS
B1-B7	TYPICAL SECTIONS
C1-C3	ESTIMATE OF QUANTITIES
D1-D7	SUMMARY TABLES
E1-E18	DETAIL SHEETS
F1-F22	PLAN AND PROFILE SHEETS - SEWARD HWY
F23-F32	PLAN AND PROFILE SHEETS - PATHWAY
F33-F38	PLAN AND PROFILE SHEETS - APPROACHES
G1-G6	GRADING PLANS
H1-H29	SIGNING AND STRIPING
H30-H40	ILLUMINATION AND SIGNALIZATION
K1-K6	AUTOMATED TRAFFIC RECORDER PLANS
N1-N29	BRIDGE SHEETS
R1-R26	RIGHT-OF-WAY MAPS

THE FOLLOWING REGIONAL STANDARD PLANS APPLY TO THESE PROJECTS

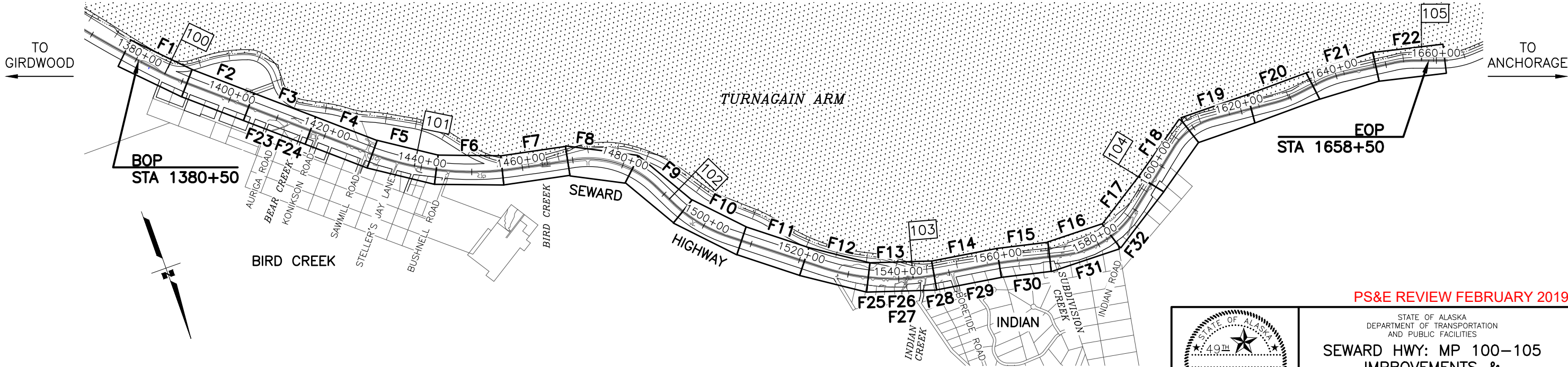
CR-T-01.10, CR-T-04.03, CR-T-25.10, CR-T-26.10

THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THESE PROJECTS

C-04.12, C-05.20
D-01.02, D-04.21, D-06.10, D-11.01, D-30.11, D-31.01
G-00.04, G-05.00S, G-05.00W, G-10.10, G-14.00, G-20.11, G-26.00, G-29.00, G-31.01, G-46.12
I-21.10, I-22.10, I-30.10
M-20.14, M-23.12
S-00.11*, S-05.01, S-30.04, S-31.01, S-32.00
T-05.10, T-20.03, T-21.03, T-22.03

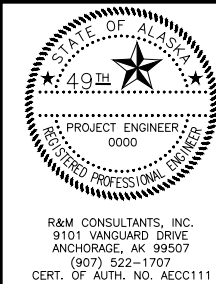
* AS MODIFIED WITHIN

IN THE EVENT OF A CONFLICT, REGIONAL DRAWINGS SUPERSEDE THE STANDARD DRAWINGS



SHEET LAYOUT

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SHEET LAYOUT, INDEX,
AND GENERAL NOTES

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ROADWAY

EXISTING

PROPOSED

EDGE OF PAVEMENT		
LIMIT OF CUT SLOPE & FILL SLOPE		
GRAVEL EDGE		
SIDEWALK AND PATH/TRAIL		
CONCRETE CURB & GUTTER		
CONCRETE CURB CUT		
PARALLEL CURB RAMP		
PERPENDICULAR CURB RAMP		
UNIDIRECTIONAL 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		
POST, BOLLARD		
DITCH LINING		
AVALANCHE GATE		

UTILITIES

EXISTING

PROPOSED

STORM DRAIN		
STORM DRAIN MANHOLE, CLEANOUT		
CURB INLET CATCH BASIN		
FIELD INLET CATCH BASIN		
PIPE CULVERT WITH END SECTION		
SANITARY SEWER		
SANITARY SEWER MANHOLE, CLEANOUT		
SEPTIC VENT, SEWER SERVICE CONNECTION		
WATER		
FIRE HYDRANT, VALVE OR RISER		
WELL, WATER SERVICE CONNECTION		
NATURAL GAS		
OIL OR GASOLINE PIPELINE		
TANKS (ABOVE GROUND, UNDERGROUND)		
ELECTRIC		
UTILITY POLE, POLE WITH LUMINAIRE		
GUY POLE, GUY WIRE ANCHOR		
TRANSMISSION TOWER (WOOD, STEEL)		
ELECTRIC PEDESTAL, TRANSFORMER		
ELECTRIC MANHOLE, METER		
ELECTRIC OUTLET, LANDSCAPE LIGHT		
TELEPHONE		
TELEPHONE MANHOLE, PEDESTAL		
FIBER OPTIC		
FIBER OPTIC MANHOLE		
CABLE TV		
CABLE TV PEDESTAL, SATELLITE DISH		
UNDERGROUND DUCT, UTILIDOR (ELECTRIC, TELEPHONE, FIBER OPTIC)		
VENT		

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		
ELECTROLIER		
HIGHTOWER		
SIGNAL POLE WITH MASTARM		
PEDESTRIAN PUSH BUTTON & SIGNAL		
VEHICULAR SIGNAL		
VEHICULAR SIGNAL LEFT & RIGHT		
OPTICAL, CAMERA, RADAR, AND GPS DETECTOR		
LOOP DETECTOR		
COMMUNICATION ANTENNA		
MASTARM BEACON		
RURAL & SCHOOL ZONE BEACON		
LOOP DETECTOR CONDUIT		
SIGNAL CONDUIT		
LIGHTING CONDUIT		
SIGNAL & LIGHTING CONDUIT		
CONDUIT BORING		
CONDUIT SIZE IN INCHES		
INTERCONNECT		
SIGN POST		

PAVEMENT MARKINGS

PROPOSED

TRAFFIC PROJECT CENTERLINE	
8" & 4" WHITE SOLID STRIPE	
4" WHITE SKIP STRIPE 10' STRIPES AND 30' SPACES	
8" WHITE LANE GUIDE SKIP LANE CONTINUATION OR TURN SKIP 1' STRIPES AND 3' SPACES	
8" & 4" YELLOW SOLID STRIPE	
4" YELLOW SKIP STRIPE 10' STRIPES AND 30' SPACES	
STRIPING CHANGE STATION INTERVAL	
2' CROSSWALK OR STOPBAR	
LADDER CROSSWALK LAYOUT 2' WIDE RUNGS WITH 2' SPACES ALIGNED TO AVOID TIRE PATHS	
TYPICAL PAINTED MEDIAN	

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		
PRIMARY GPS CONTROL POINT		
HORIZONTAL CONTROL POINT		
SECONDARY CONTROL POINT		
VERTICAL BENCHMARK		
TEMPORARY BENCHMARK		
TOWNSHIP AND RANGE LINES		
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		

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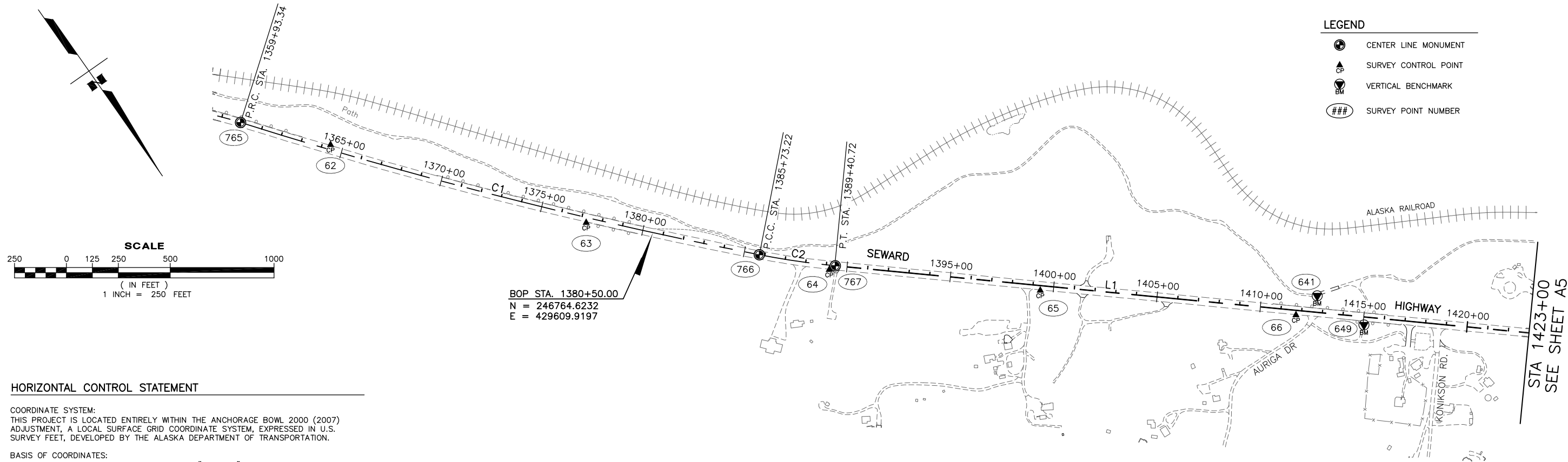


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES**

LEGEND SHEET

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\SURVEY\ACAD\SEWARD HWY MP 99-105 SCS.DWG DATE/TIME 1/18/2019 11:23 AM LAYOUT A4 DESIGNED CHECKED DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	A4	A7



HORIZONTAL CONTROL STATEMENT

- COORDINATE SYSTEM:
THIS PROJECT IS LOCATED ENTIRELY WITHIN THE ANCHORAGE BOWL 2000 (2007) ADJUSTMENT, A LOCAL SURFACE GRID COORDINATE SYSTEM, EXPRESSED IN U.S. SURVEY FEET, DEVELOPED BY THE ALASKA DEPARTMENT OF TRANSPORTATION.
- BASIS OF COORDINATES:
THE BASIS OF COORDINATES IS NGS STATION "OMALLEY", LOCATED NEAR THE INTERSECTION OF THE NEW SEWARD HIGHWAY AND O'MALLEY ROAD. SAID STATION HAS ANCHORAGE BOWL 2000 (2007) COORDINATES OF 303,939.5421 N., 353,362.4241 E.
- BASIS OF BEARINGS:
THE BASIS OF BEARINGS IS A LOCAL PLANE BEARING BETWEEN NGS STATION "OMALLEY" AND NGS STATION "LOOP 2 USE RM 3 1964". NGS STATION "LOOP 2 USE RM 3 1964" BEARS N 01°43'26.4" E A DISTANCE OF 49,488.4476 U.S. SURVEY FEET FROM NGS STATION "OMALLEY". NGS STATION "LOOP 2 USE RM 3 1964" HAS ANCHORAGE BOWL 2000 (2007) COORDINATES OF 353,405.5545 N., 354,851.2786 E.
- TRANSLATION PARAMETERS:
TO CONVERT THE LOCAL BOWL 2000 COORDINATES TO NAD83 (2007) ALASKA STATE PLANE, ZONE 4, COORDINATES, EXPRESSED IN U.S. SURVEY FEET; TRANSLATE USING +2,296,868.6878' N., +1,312,517.4904' E., AND SCALE USING 0.9998910192.
- VERTICAL CONTROL STATEMENT
- THE VERTICAL DATUM IS NGVD 1929 - 1967/1968 NGS TENTATIVE ADJUSTMENT. EXISTING NGS/USC&GS AND ADOT&PF BENCHMARK DATA WAS PROVIDED BY ADOT&PF. DIFFERENTIAL LEVEL LOOPS WERE RUN BETWEEN RECORD BENCHMARKS TO CONFIRM RECORD ELEVATIONS. DIFFERENTIAL LEVELING WAS ALSO USED TO ESTABLISH ELEVATIONS ON ALL OTHER BENCHMARKS, TEMPORARY BENCHMARKS AND CONTROL POINTS.
- ALL LEVEL RUNS CLOSED WITHIN THIRD ORDER SPECIFICATIONS. LEICA DNA10 DIGITAL LEVELS AND LEICA GEOMATICS OFFICE SOFTWARE WERE USED TO PROCESS AND ADJUST ELEVATIONS.
- NOTES
- THE FIELD SURVEY WAS PERFORMED BY R&M CONSULTANTS, INC. (R&M) BETWEEN MAY 5, 2013 AND NOVEMBER 1, 2013. FIELD SURVEY INFORMATION IS LOCATED IN R&M FIELD BOOKS NO. 1964.01 2 THROUGH 14.
 - ALL DIMENSIONS AND COORDINATES SHOWN HEREON ARE IN U. S. SURVEY FEET.
 - HORIZONTAL CONTROL POINTS WERE ESTABLISHED USING NETWORKED STATIC GPS METHODS. THE NETWORK WAS ADJUSTED AND TRANSFORMED TO THE ANCHORAGE BOWL 2000 COORDINATE SYSTEM USING A SIMULTANEOUS LEAST SQUARES ADJUSTMENT CONSTRAINED TO THE RECORD ADOT&PF COORDINATES FOR SURVEY CONTROL POINTS NO. 553 AND 551, AS SHOWN ON THE SURVEY CONTROL DIAGRAM RECORDED AS PLAT 2014-32 IN THE ANCHORAGE RECORDING DISTRICT.
 - ALL ELEVATIONS ON CONTROL POINTS AND BENCHMARKS NEED TO BE FIELD VERIFIED BEFORE USE.
 - WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS, CORNERS, OR ACCESSORIES, WHICH WILL BE DISTURBED OR BURIED, SHALL BE REFERENCED AND RE-ESTABLISHED IN THEIR ORIGINAL POSITION (A.S. 19.10.260) AND RECORDED (A.S. 34.65.040).
 - SEE SHEET A7 FOR PROJECT ALIGNMENT TABLE.

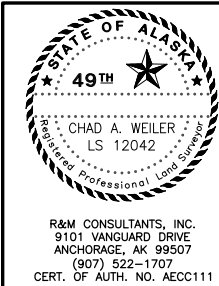
HORIZONTAL CONTROL - THIS SHEET						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
62	1364+39.53	23.83 Lt.	245527.1940	430639.0930	---	Set Rbr/PC[DOT]: CP 62
63	1377+25.97	24.54 Rt.	246540.9460	429845.8730	---	Set Rbr/PC[DOT]: CP 63
64	1389+16.14	21.51 Rt.	247397.8800	429016.7910	---	Set Rbr/PC[DOT]: CP 64
65	1399+37.14	23.29 Rt.	248062.8430	428241.8350	104.36	Set Rbr/PC[DOT]: CP 65
66	1411+74.31	22.30 Rt.	248866.0070	427300.8160	72.37	Set Rbr/PC[DOT]: CP 66
765	1359+93.33	0.00 Rt.	245190.6254	430932.6445	---	Fd AM/Bx[9945]: PT 632+36.63
766	1385+73.24	0.00 Rt.	247145.6853	429251.3737	---	Fd BC/Bx[DOH]: PCC 658+16.40
767	1389+43.12	0.00 Rt.	247399.2177	428982.2507	---	Fd BC/Bx[DOH]: EQ POT 661+85.10

* ALL ELEVATIONS LISTED SHOULD BE VERIFIED AGAINST THE VERTICAL CONTROL PRIOR TO USE.

CURVE TABLE - THIS SHEET					
CURVE#	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	22996.48	2579.88	N40°41'39"W	2578.53	6°25'40"
C2	3783.79	367.50	N46°41'26"W	367.36	5°33'54"

LINE TABLE - THIS SHEET		
LINE#	LENGTH	BEARING
L1	3969.13	N49°28'23"W

VERTICAL CONTROL - THIS SHEET						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
641	1412+67	80 Lt.	248849	427164	51.31	Set BC[R&M]: BM SH-100.5
649	1415+05	38 Rt.	249093	427060	68.90	Fd BC: BM Bird House



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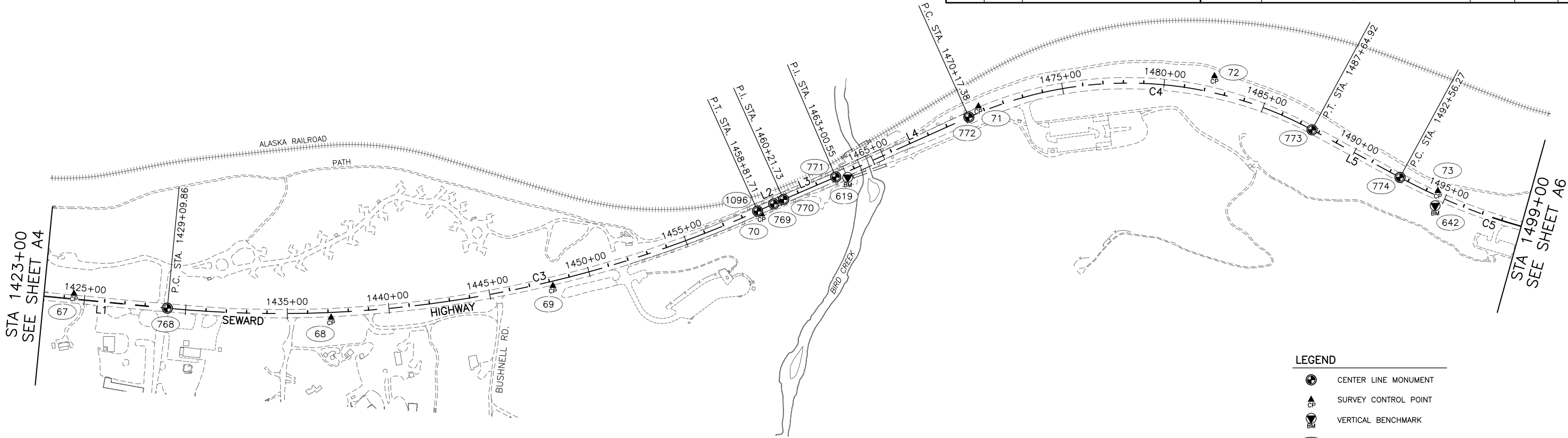
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SURVEY CONTROL SHEET

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99-105 SURVEY\ACAD\SEWARD HWY MP 99-105 SCS.DWG DATE/TIME 1/18/2019 11:24 AM LAYOUT A5 DESIGNED CHECKED DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	A5	A7



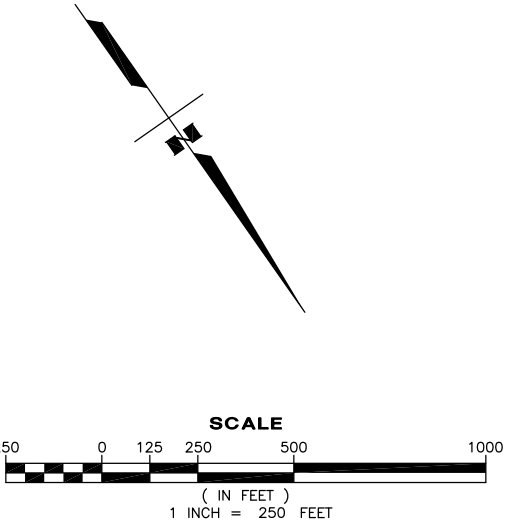
LEGEND	
	CENTER LINE MONUMENT
	SURVEY CONTROL POINT
	VERTICAL BENCHMARK
	SURVEY POINT NUMBER

HORIZONTAL CONTROL – THIS SHEET						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
67	1424+46.42	26.65 Lt.	249655.4350	426302.0810	87.46	Set Rbr/PC[DOT]: CP 67
68	1437+14.12	25.04 Rt.	250476.0230	425334.6600	98.51	Set Rbr/PC[DOT]: CP 68
69	1448+11.80	22.00 Rt.	250972.9230	424352.7140	75.03	Set Rbr/PC[DOT]: CP 69
70	1458+93.36	22.16 Rt.	251273.7920	423311.2320	---	Set Rbr/PC[DOT]: CP 70
71	1470+80.81	30.31 Lt.	251450.2690	422135.0450	62.31	Set Rbr/PC[DOT]: CP 71
72	1482+33.49	80.82 Lt.	251993.8350	421099.7960	108.31	Set Rbr/PC[DOT]: CP 72
73	1494+53.56	23.53 Lt.	253085.3740	420524.2640	91.68	Set Rbr/PC[DOT]: CP 73
768	1429+09.59	0.00 Rt.	249976.6579	425967.3418	---	Fd BC/Bx[DOH]: PC 704+55.00
769	1459+68.43	0.00 Rt.	251266.1042	423233.3373	---	Fd AM/Bx[4725]: EQ PT 28+32.30
770	1460+21.73	0.00 Rt.	251276.1085	423180.9816	---	Fd AM/Bx[4725]: EQ STA 44+500 AHD
771	1463+00.55	0.00 Rt.	251332.5660	422907.9390	---	Fd AM/Bx[4725]: POT 44+635
772	1470+17.54	0.00 Rt.	251466.9371	422203.6557	---	Fd AM/Bx[4725]: PC 44+830
773	1487+65.06	0.00 Rt.	252484.7641	420858.6005	---	Fd AM/Bx[4725]: PT 760+19.40
774	1492+56.37	0.00 Rt.	252924.1483	420638.7681	---	Fd AM/Bx[4725]: PC 765+12.10
1096	1458+81.44	0.36 Lt.	251249.4356	423318.7125	---	Fd BC/Bx[DOH]: PT 731+22.71

* ALL ELEVATIONS LISTED SHOULD BE VERIFIED AGAINST THE VERTICAL CONTROL PRIOR TO USE.

CURVE TABLE – THIS SHEET					
CURVE#	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C3	5730.56	2971.85	N64°19'47"W	2938.66	29°42'48"
C4	1902.88	1747.54	N52°53'20"W	1686.78	52°37'07"
C5	2864.79	1279.27	N39°22'21"W	1268.67	25°35'08"

LINE TABLE – THIS SHEET		
LINE#	LENGTH	BEARING
L1	3969.13	N49°28'23"W
L2	140.02	N79°11'11"W
L3	278.82	N78°19'03"W
L4	716.83	N79°11'54"W
L5	491.34	N26°34'47"W



VERTICAL CONTROL – THIS SHEET						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
619	1463+53	26 Rt.	251368	422861	32.84	Fd BC: A 73 Reset 1981
642	1494+71	48 Rt.	253137	420577	92.90	Fd Bolt/Rock[R&M]: AKSAS 52451 A-6/5

- NOTES
- SEE SHEET A4 FOR NOTES AND CONTROL INFORMATION.
 - SEE SHEET A7 FOR PROJECT ALIGNMENT TABLE.

R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

PS&E REVIEW FEBRUARY 2019

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100–105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SURVEY CONTROL SHEET

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\SURVEY\ACAD\SEWARD HWY MP 99-105 SCS.DWG DATE/TIME 1/18/2019 11:24 AM LAYOUT A6 DESIGNED CHECKED DRAFTED

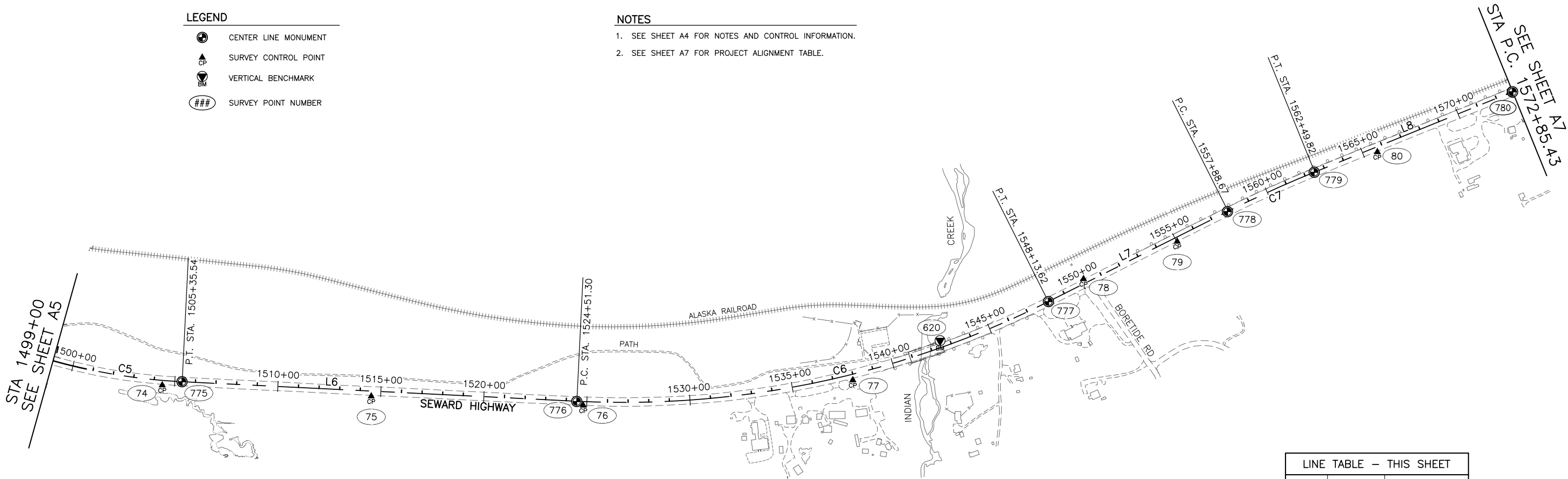
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	A6	A7

LEGEND

- CENTER LINE MONUMENT
- SURVEY CONTROL POINT
- VERTICAL BENCHMARK
- SURVEY POINT NUMBER

NOTES

- SEE SHEET A4 FOR NOTES AND CONTROL INFORMATION.
- SEE SHEET A7 FOR PROJECT ALIGNMENT TABLE.

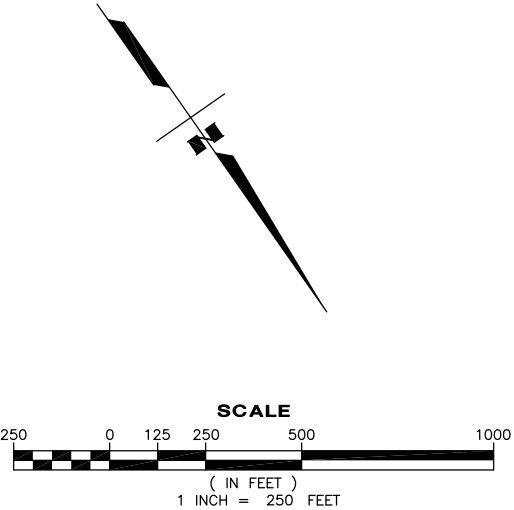


VERTICAL CONTROL – THIS SHEET						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
620	1542+54	33 Lt.	255849	416710	32.23	Fd BC: C 73 Reset 1981

LINE TABLE – THIS SHEET		
LINE#	LENGTH	BEARING
L6	1915.76	N52°09'55"W
L7	975.05	N81°41'39"W
L8	1035.62	N77°04'58"W

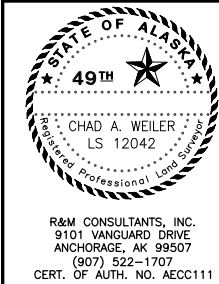
HORIZONTAL CONTROL – THIS SHEET						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
74	1504+40.83	23.08 Rt.	253863.2170	419922.6020	77.56	Set Rbr/PC[DOT]: CP 74
75	1514+54.62	25.09 Rt.	254488.3540	419123.5400	74.29	Set Rbr/PC[DOT]: CP 75
76	1524+83.04	18.83 Rt.	255114.2270	418307.3000	67.25	Fd Rbr/PC[DOT]: CP 76 (CP 109 TS BI-16)
77	1537+93.60	27.73 Rt.	255763.2790	417166.2120	42.61	Fd Rbr/PC[DOT]: CP 77 (CP 110 TS BI-17)
78	1550+15.33	21.74 Lt.	256003.0110	415968.8390	52.95	Set Rbr/PC[DOT]: CP 78
79	1555+02.69	19.97 Rt.	256114.6830	415492.6160	60.35	Fd Rbr/PC[DOT]: CP 79 (CP 111 TS BI-18)
80	1565+68.01	23.73 Rt.	256315.3880	414448.7750	50.02	Set Rbr/PC[DOT]: CP 80
775	1505+34.91	0.00 Rt.	253904.4001	419834.5221	---	Fd AM/Bx[7338]: PT 777+91.10
776	1524+50.71	1.27 Rt.	255080.5348	418322.2377	---	Fd AM/Bx[7338]: PC 797+06.90
777	1548+14.21	0.00 Rt.	255995.4652	416170.9876	---	Fd AM/Bx[7338]: PT 820+70.20
778	1557+85.33	0.00 Rt.	256135.7505	415210.0538	---	Fd AM/Bx[7338]: PC 830+41.10
779	1562+47.45	0.00 Rt.	256220.6022	414755.9131	---	Fd AM/Bx[7338]: EQ PT 835+03.26 BK POT 80+67.72 AHD
780	1572+85.29	0.00 Rt.	256452.6059	413744.3385	---	Fd AM/Bx[7338]: PC 91+05.20

* ALL ELEVATIONS LISTED SHOULD BE VERIFIED AGAINST THE VERTICAL CONTROL PRIOR TO USE.



CURVE TABLE – THIS SHEET					
CURVE#	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C5	2864.79	1279.27	N39°22'21"W	1268.67	25°35'08"
C6	4583.66	2362.32	N66°55'47"W	2336.26	29°31'44"
C7	5729.58	461.15	N79°23'18"W	461.02	4°36'41"

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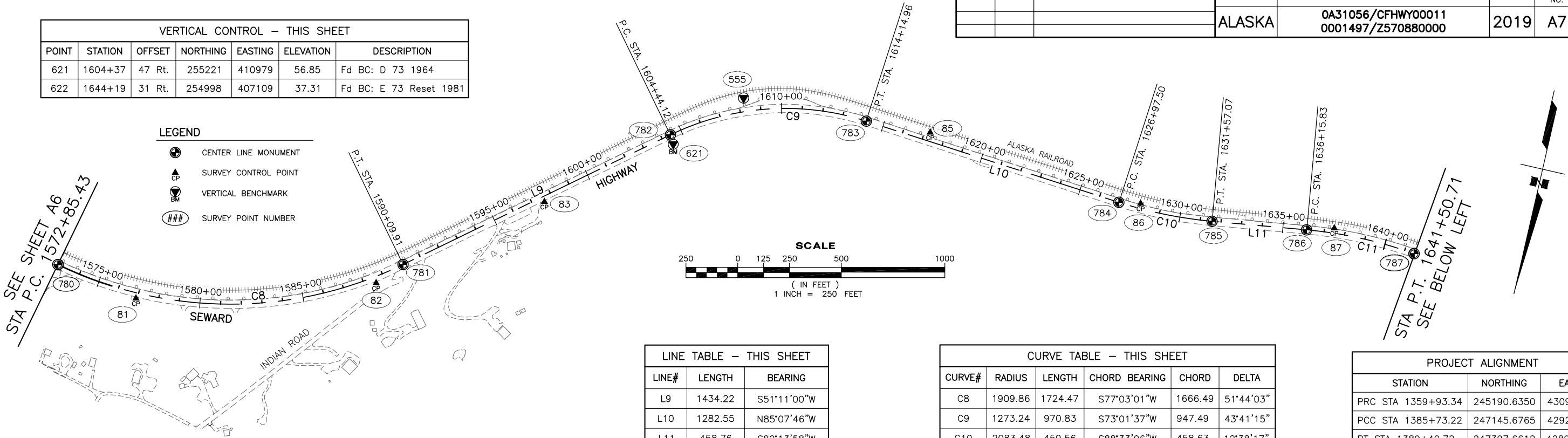
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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES**
SURVEY CONTROL SHEET

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\SURVEY\ACAD\SEWARD HWY MP 99-105 SCS.DWG DATE/TIME 1/18/2019 11:24 AM LAYOUT A7 DESIGNED A7 CHECKED DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	A7	A7

VERTICAL CONTROL – THIS SHEET						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
621	1604+37	47 Rt.	255221	410979	56.85	Fd BC: D 73 1964
622	1644+19	31 Rt.	254998	407109	37.31	Fd BC: E 73 Reset 1981

- LEGEND
- CENTER LINE MONUMENT
 - SURVEY CONTROL POINT
 - VERTICAL BENCHMARK
 - SURVEY POINT NUMBER



LINE TABLE – THIS SHEET		
LINE#	LENGTH	BEARING
L9	1434.22	S51°11'00"W
L10	1282.55	N85°07'46"W
L11	458.76	S82°13'58"W
L12	1013.64	N83°03'29"W
L13	549.49	N70°42'32"W

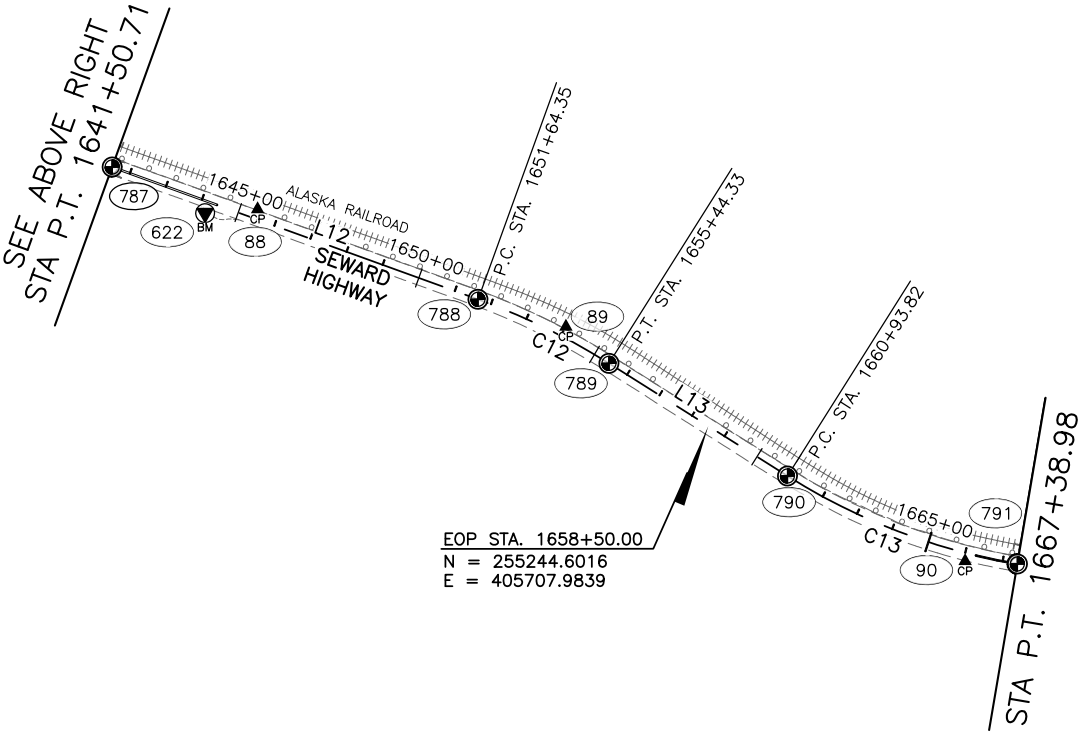
CURVE TABLE – THIS SHEET					
CURVE#	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C8	1909.86	1724.47	S77°03'01"W	1666.49	51°44'03"
C9	1273.24	970.83	S73°01'37"W	947.49	43°41'15"
C10	2083.48	459.56	S88°33'06"W	458.63	12°38'17"
C11	2083.48	534.88	S89°35'14"W	533.41	14°42'33"
C12	1762.95	379.97	N76°53'00"W	379.24	12°20'57"
C13	1637.02	645.16	N81°59'57"W	641.00	22°34'51"

PROJECT ALIGNMENT		
STATION	NORTHING	EASTING
PRC STA 1359+93.34	245190.6350	430932.6371
PCC STA 1385+73.22	247145.6765	429251.3821
PT STA 1389+40.72	247397.6612	428984.0714
PC STA 1429+09.86	249976.8311	425967.1392
PT STA 1458+81.71	251249.8381	423318.5184
PI STA 1460+21.73	251276.1085	423180.9816
PI STA 1463+00.55	251332.5660	422907.9390
PC STA 1470+17.38	251466.9075	422203.8111
PT STA 1487+64.92	252484.6430	420858.6611
PC STA 1492+56.27	252924.0565	420638.8140
PT STA 1505+35.54	253904.7891	419834.0213
PC STA 1524+51.30	255079.8910	418320.9891
PT STA 1548+13.62	255995.3797	416171.5733
PC STA 1557+88.67	256136.2331	415206.7481
PT STA 1562+49.82	256221.1309	414753.6080
PC STA 1572+85.43	256452.6382	413744.1978
PT STA 1590+09.91	256079.1855	412120.0964
PC STA 1604+44.12	255180.1719	411002.6195
PT STA 1614+14.96	254903.5802	410096.4045
PC STA 1626+97.50	255012.4777	408818.4887
PT STA 1631+57.07	255000.8858	408360.0045
PC STA 1636+15.83	254938.8841	407905.4500
PT STA 1641+50.71	254935.0425	407372.0496
PC STA 1651+64.35	255057.5559	406365.8371
PT STA 1655+44.33	255143.6173	405996.4934
PC STA 1660+93.82	255325.1513	405477.8553
PT STA 1667+38.98	255414.3688	404843.0992

HORIZONTAL CONTROL – THIS SHEET						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
81	1576+93.28	26.46 Rt.	256527.2940	413340.3050	38.66	Fd Rbr/PC[DOT]: CP 81 (CP 112 TS BI-19)
82	1588+56.31	29.98 Rt.	256195.3450	412226.6570	36.54	Set Rbr/PC[DOT]: CP 82
83	1597+56.30	25.26 Rt.	255631.0040	411522.7100	39.54	Set Rbr/PC[DOT]: CP 83
85	1617+26.13	42.41 Lt.	254887.7450	409782.7510	38.68	Fd Rbr/PC[DOT]: CP 85 (CP 114 TS IP-21)
86	1627+99.63	24.33 Lt.	254994.3340	408715.6820	35.36	Set Rbr/PC[DOT]: CP 86
87	1637+46.04	24.20 Lt.	254901.1880	407777.7330	35.34	Fd Rbr/PC[DOT]: CP 87 (CP 115 TS IP-22)
88	1645+44.49	25.49 Lt.	254957.3330	406978.0780	35.44	Set Rbr/PC[DOT]: CP 88
89	1654+00.47	27.07 Lt.	255075.4840	406127.2300	36.60	Fd Rbr/PC[DOT]: CP 89 (CP 116 TS IP-23)
90	1666+05.14	20.99 Rt.	255437.5690	404977.3970	43.34	Set Rbr/PC[DOT]: CP 90
555	1608+26.18	65.60 Lt.	254927.6090	410697.8969	54.54	Fd BC[NGS]: GPS INDIAN
780	1572+85.29	0.00 Rt.	256452.6059	413744.3385	---	Fd AM/Bx[7338]: PC 91+05.20
781	1590+09.83	0.00 Rt.	256079.2336	412120.1561	---	Fd AM/Bx[7338]: PT 108+29.80
782	1604+44.52	0.00 Rt.	255179.9255	411002.3133	---	Fd BC/Bx[DOH]: PC 122+64.31
783	1614+15.89	0.00 Rt.	254903.6590	410095.4793	---	Fd BC/Bx[DOH]: PT 132+35.53
784	1626+96.58	0.00 Rt.	255012.3993	408819.4082	---	Fd BC/Bx[DOH]: PC 145+16.26
785	1631+56.85	0.00 Rt.	255000.9156	408360.2226	---	Fd BC/Bx[DOH]: PT 149+76.30
786	1636+14.89	0.00 Rt.	254939.0110	407906.3805	---	Fd BC/Bx[DOH]: PC 154+34.37
787	1641+48.66	0.00 Rt.	254934.7950	407374.0823	---	Fd BC/Bx[DOH]: PT 159+68.30
788	1651+63.71	0.00 Rt.	255057.4786	406366.4724	---	Fd BC/Bx[DOH]: PC 169+83.10
789	1655+44.09	0.00 Rt.	255143.5392	405996.7167	---	Fd BC/Bx[DOH]: PT 173+63.59
790	1660+93.70	0.00 Rt.	255325.1137	405477.9628	---	Fd BC/Bx[DOH]: PC 179+13.05
791	1667+39.01	0.00 Rt.	255414.3671	404843.0702	---	Fd BC/Bx[DOH]: PT 185+58.17

NOTES

1. SEE SHEET A4 FOR NOTES AND CONTROL INFORMATION.



PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SURVEY CONTROL SHEET

* ALL ELEVATIONS LISTED SHOULD BE VERIFIED AGAINST THE VERTICAL CONTROL PRIOR TO USE.

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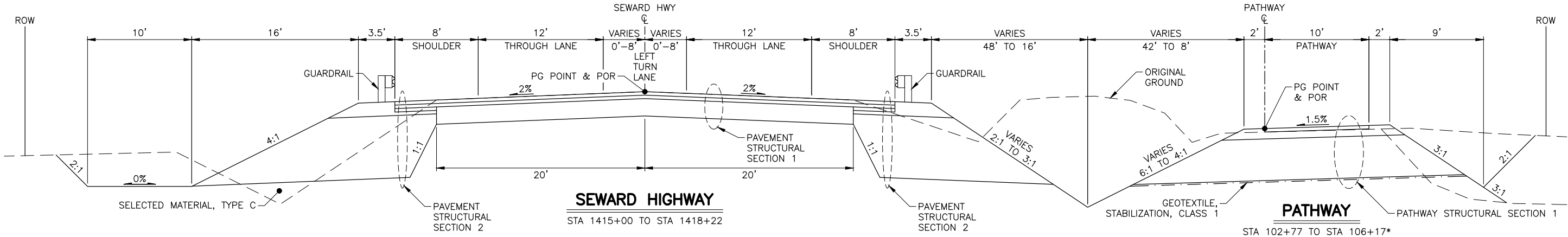
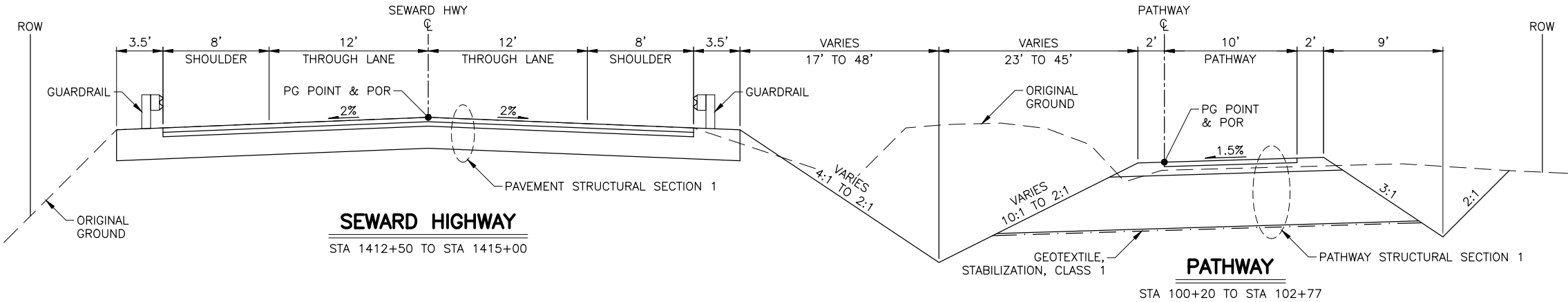
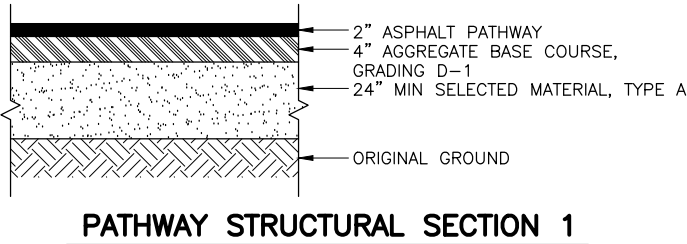
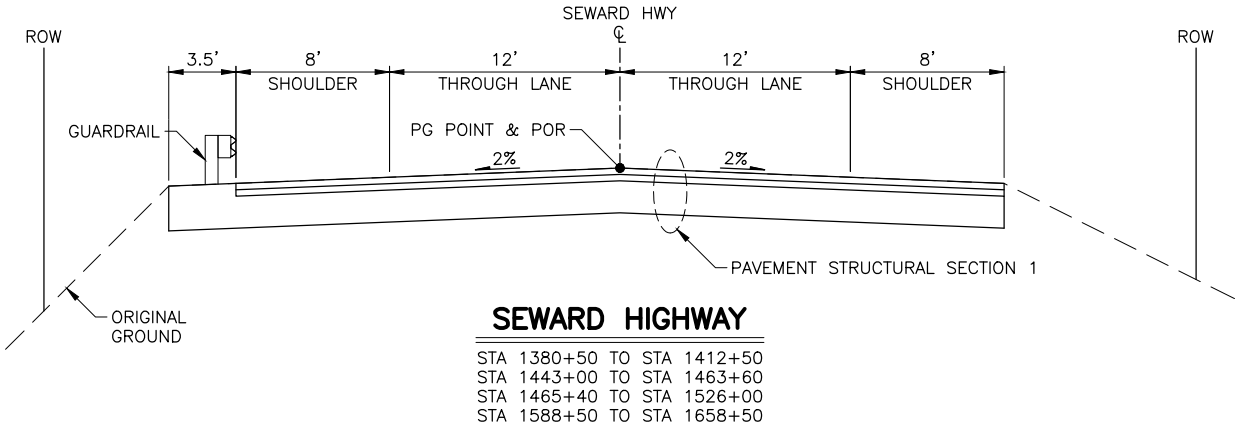
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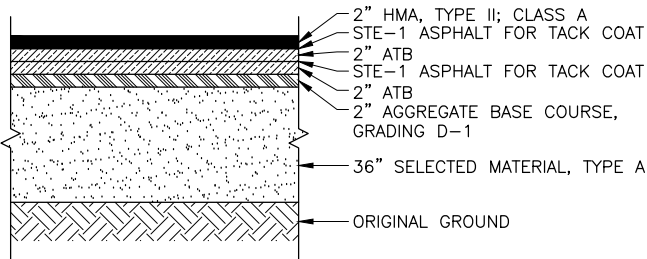
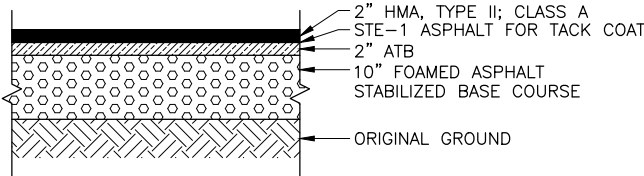
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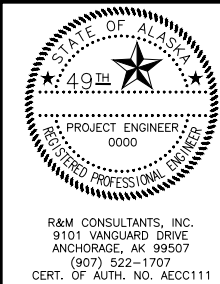
SEWARD HIGHWAY
STA 1463+60 TO STA 1465+40
BRIDGE NO 643 (BIRD CREEK). SEE BRIDGE SHEETS



* NO PATHWAY WORK BETWEEN
STA 106+17 AND STA 200+10



PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES**
TYPICAL SECTIONS

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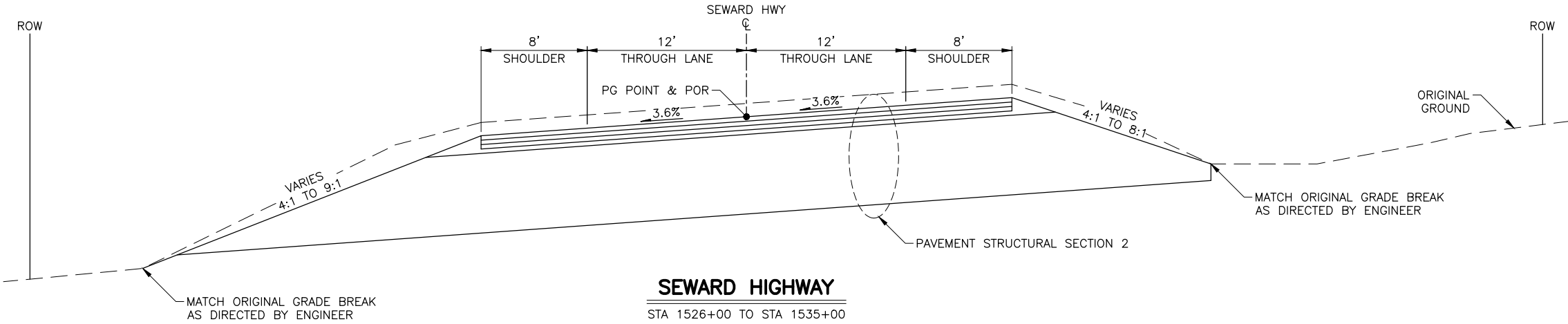
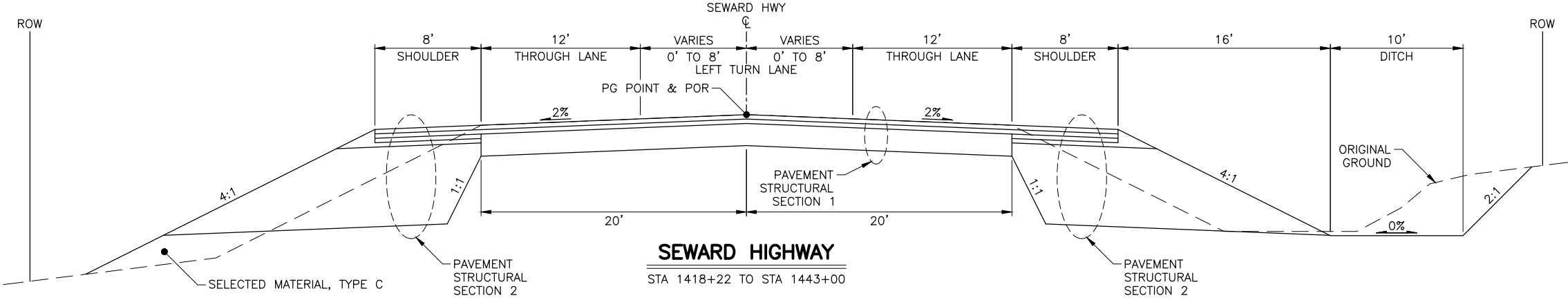
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PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

TYPICAL SECTIONS

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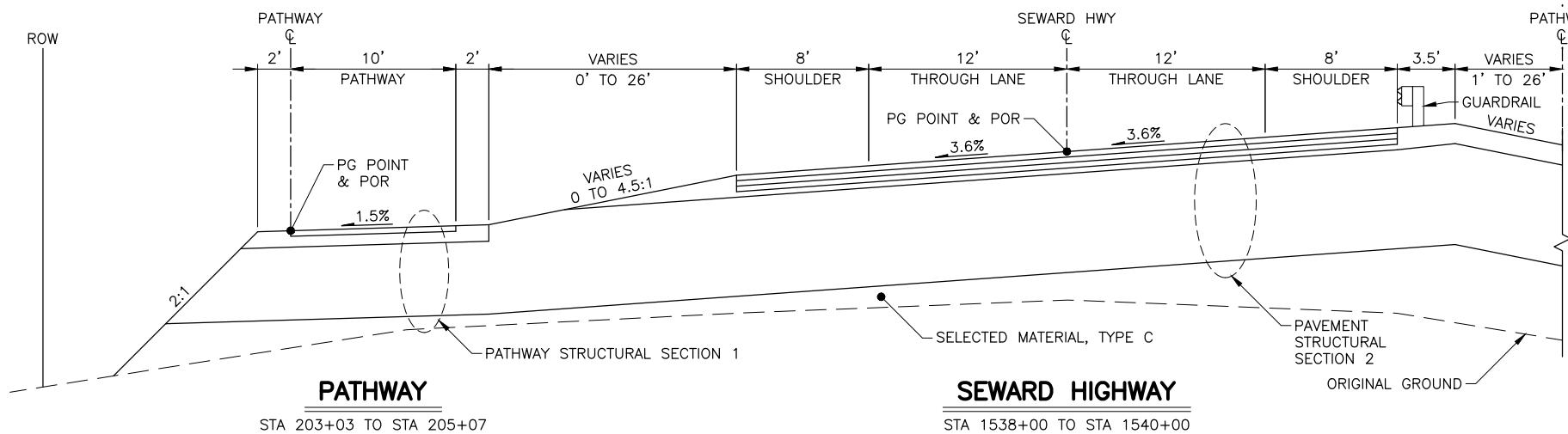
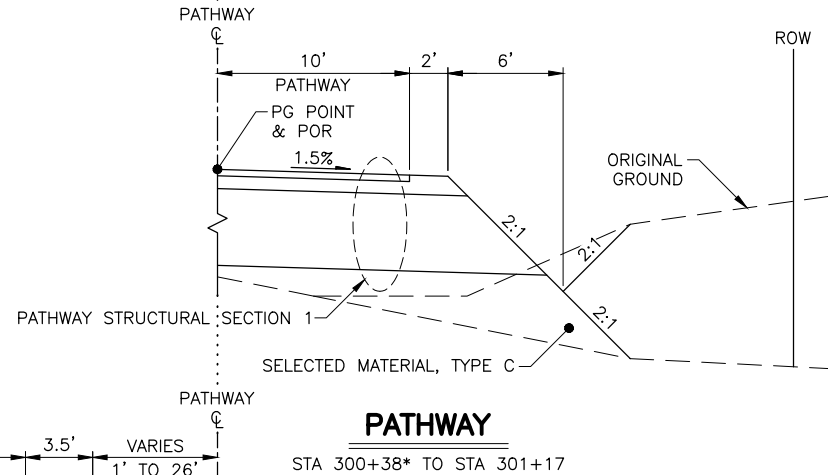
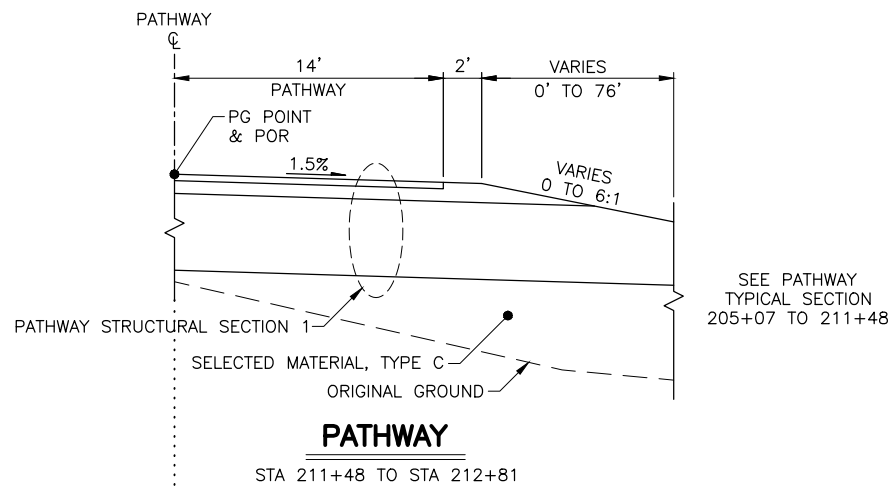
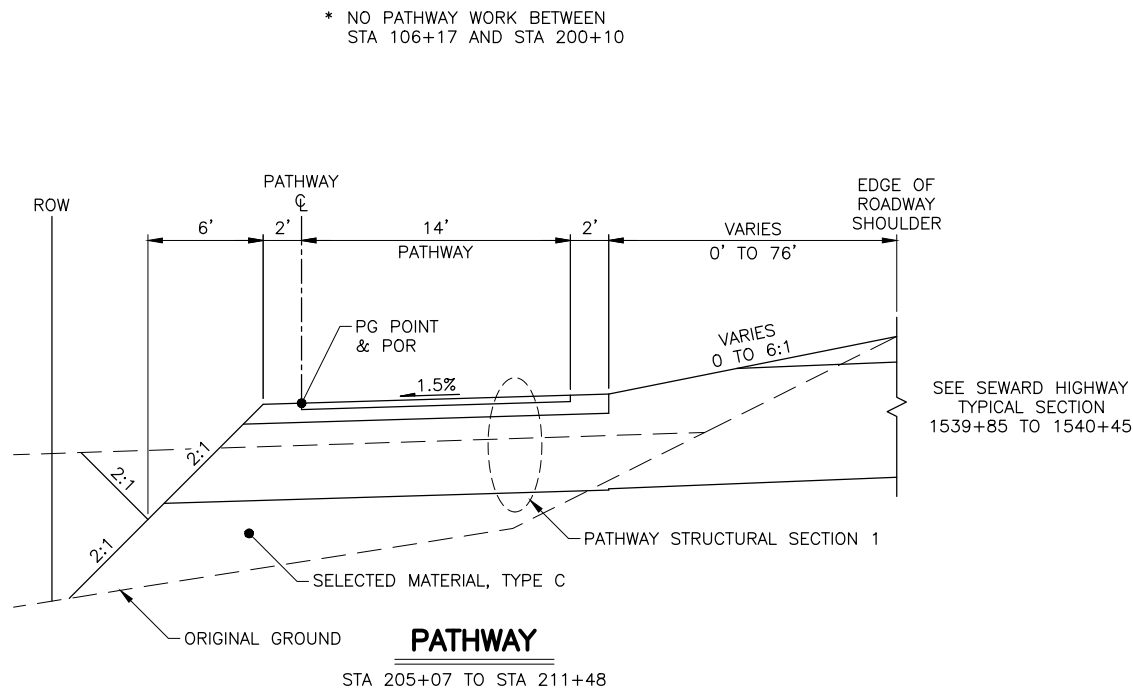
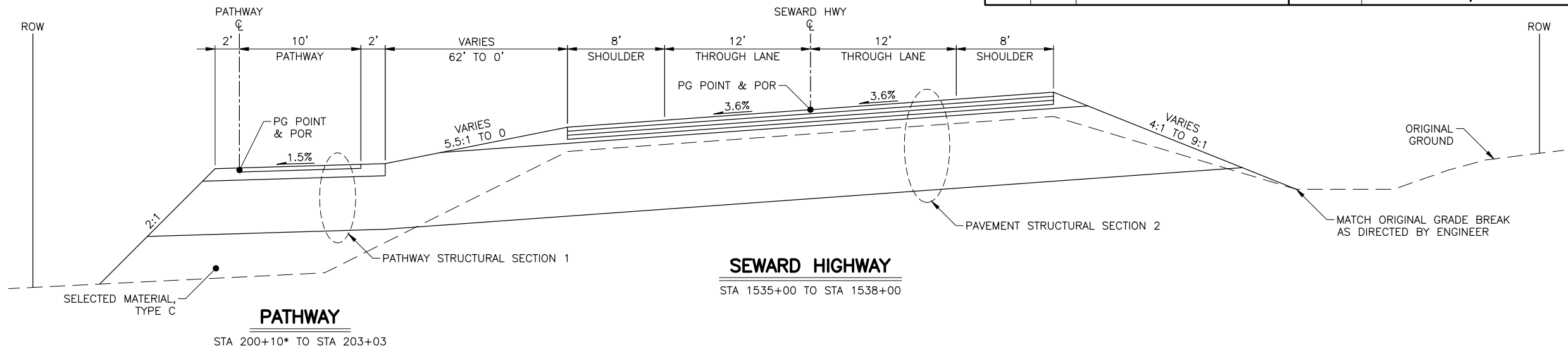
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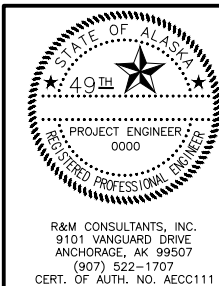
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	B3	B7



PATHWAY
STA 300+38* TO STA 301+17
* NO PATHWAY WORK BETWEEN
STA 261+73 AND STA 300+38

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
TYPICAL SECTIONS

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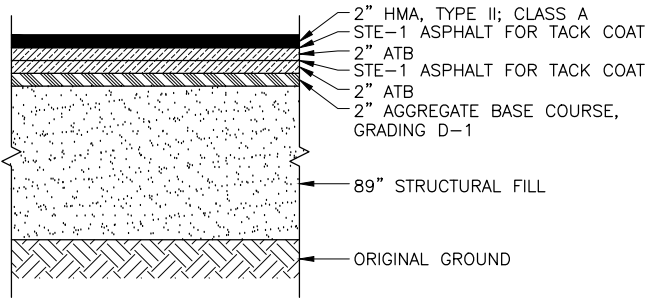
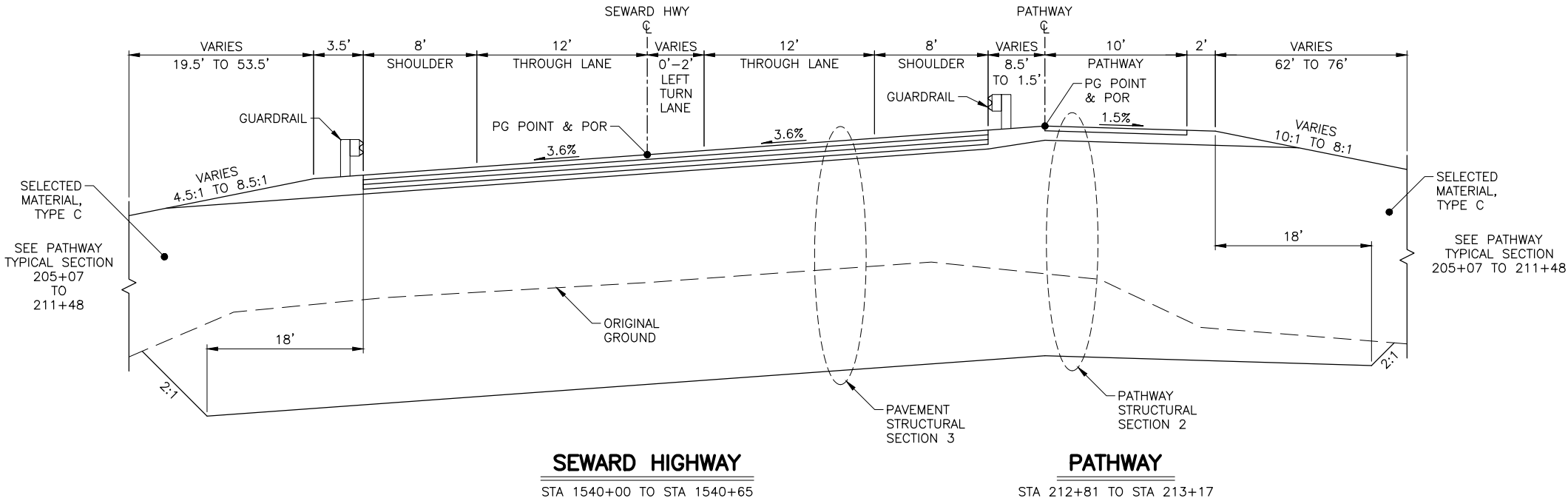
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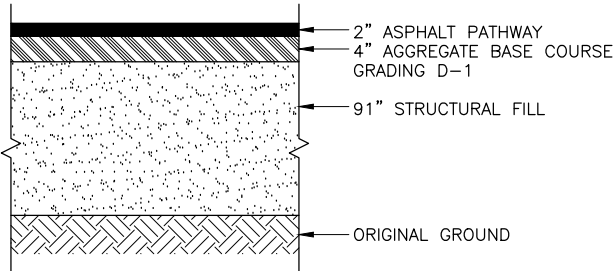
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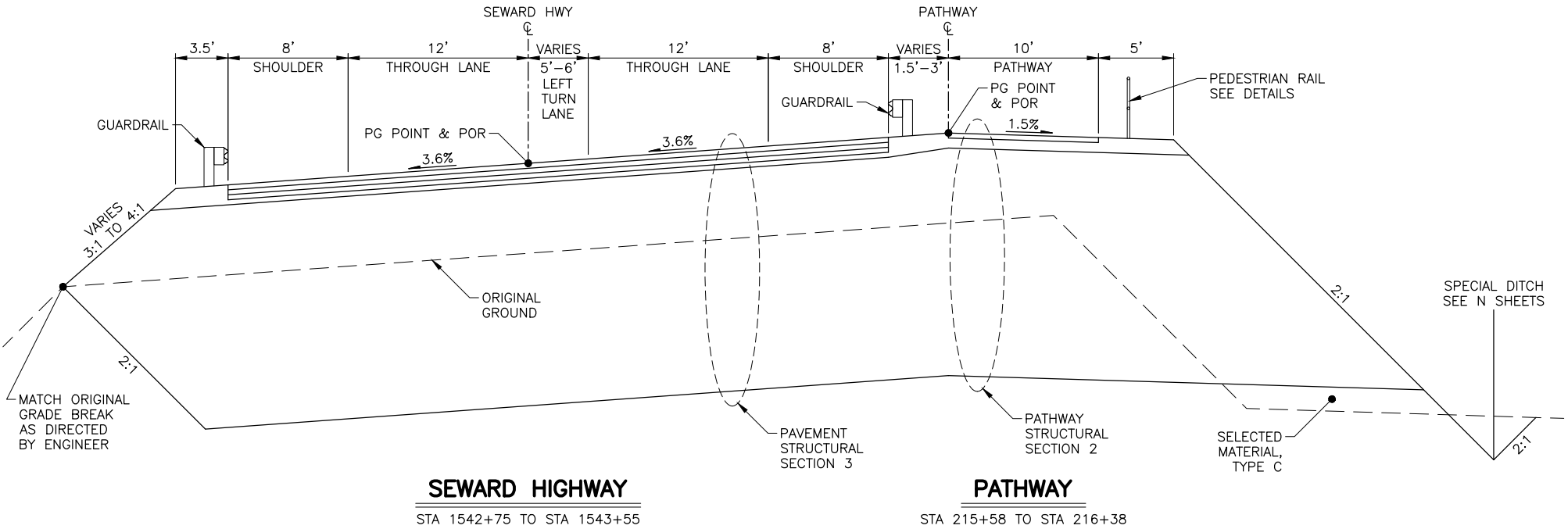
PAVEMENT STRUCTURAL SECTION 3

SEWARD HIGHWAY
STA 1540+65 TO STA 1542+75
BRIDGE NO 644 (INDIAN CREEK). SEE BRIDGE SHEETS

PATHWAY
STA 213+17 TO STA 215+58
BRIDGE NO 644 (INDIAN CREEK). SEE BRIDGE SHEETS



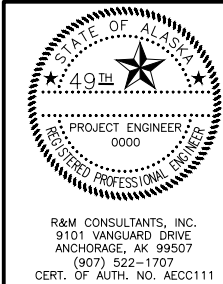
PATHWAY STRUCTURAL SECTION 2



SEWARD HIGHWAY
STA 1542+75 TO STA 1543+55

PATHWAY
STA 215+58 TO STA 216+38

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

TYPICAL SECTIONS

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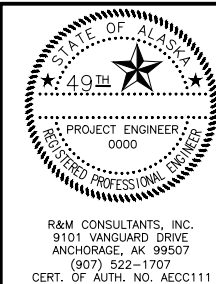
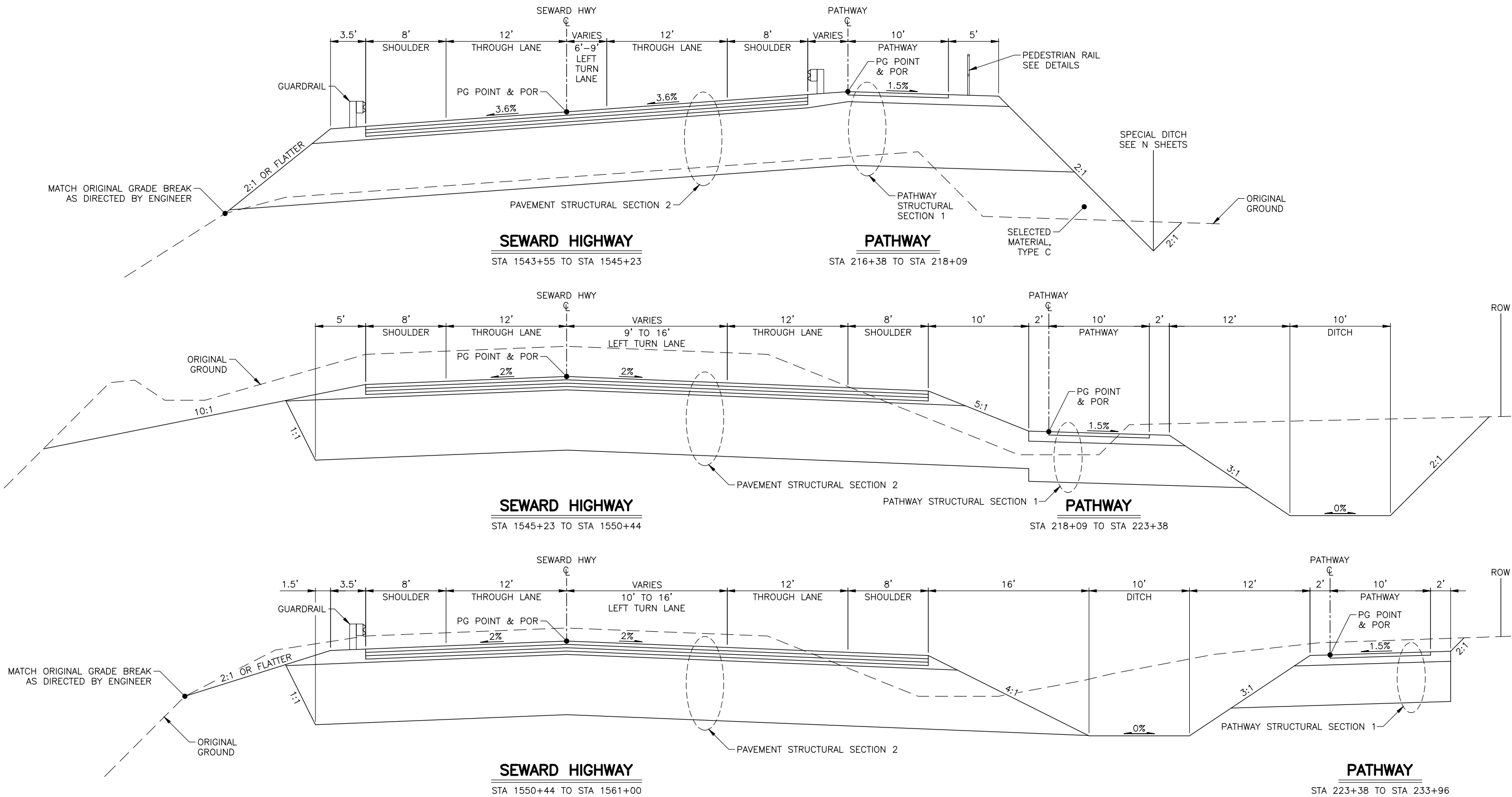
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

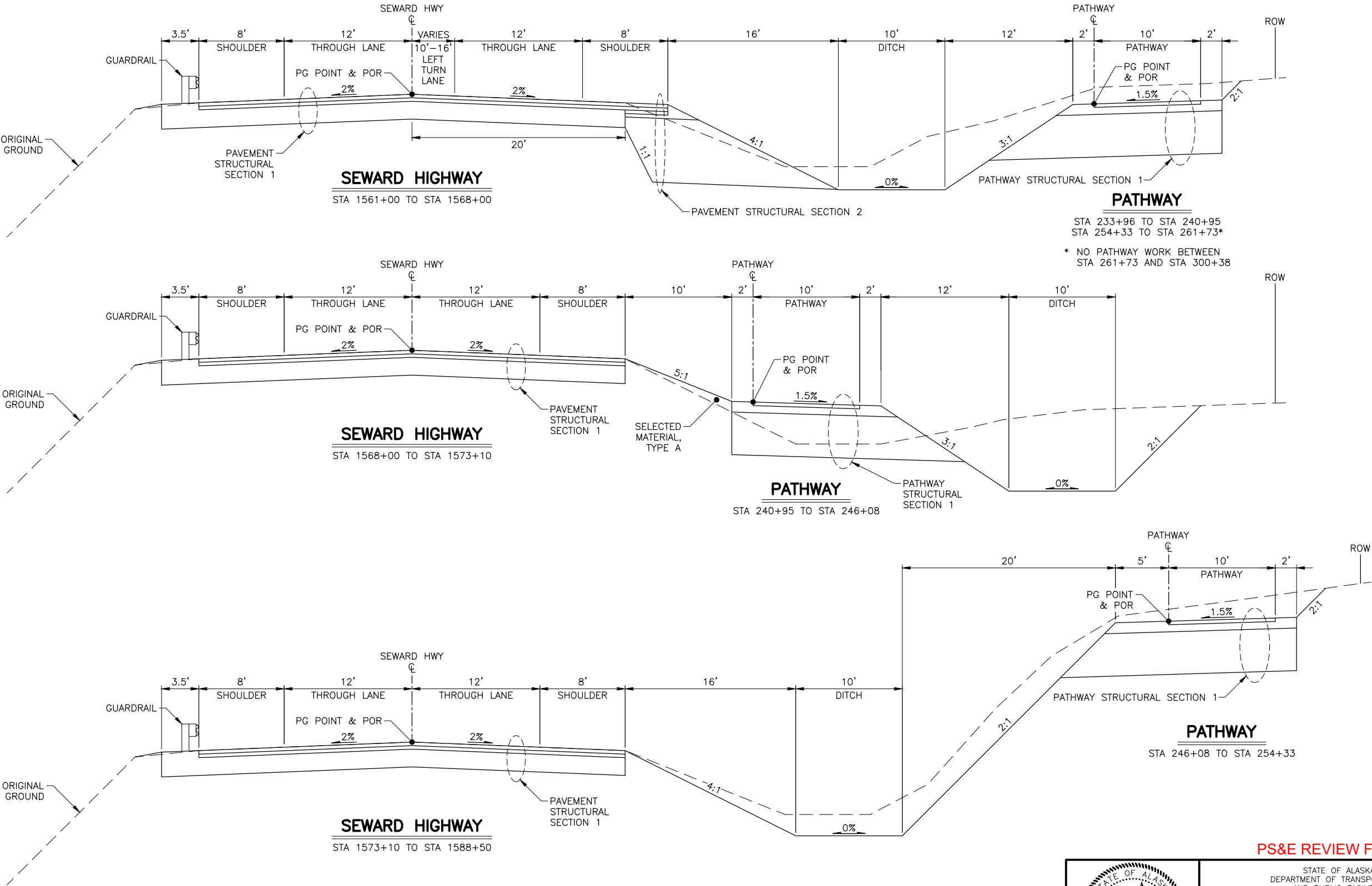
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IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES**

TYPICAL SECTIONS

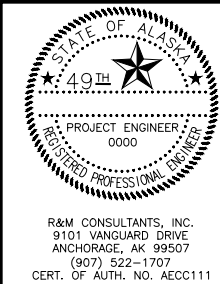
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	B6	B7



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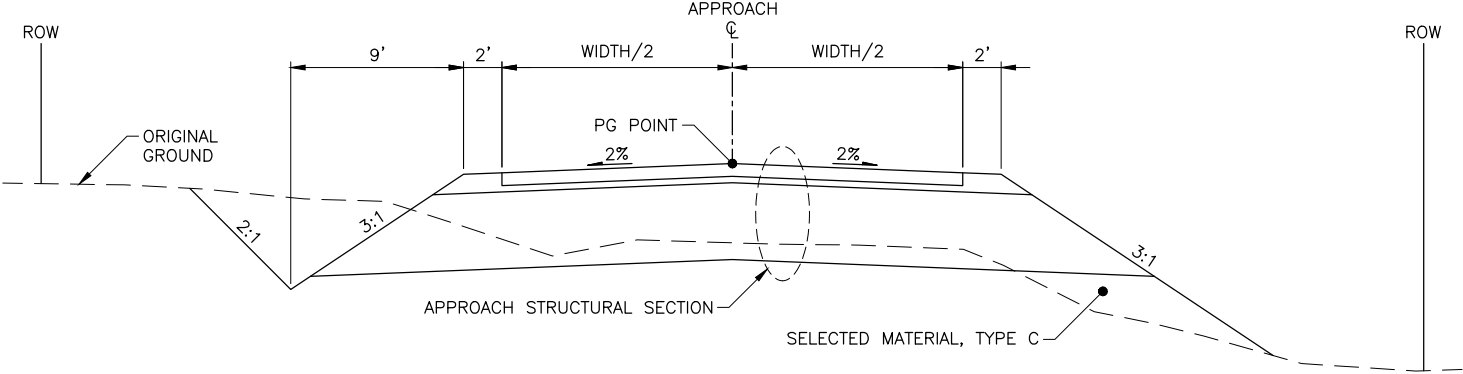
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES**

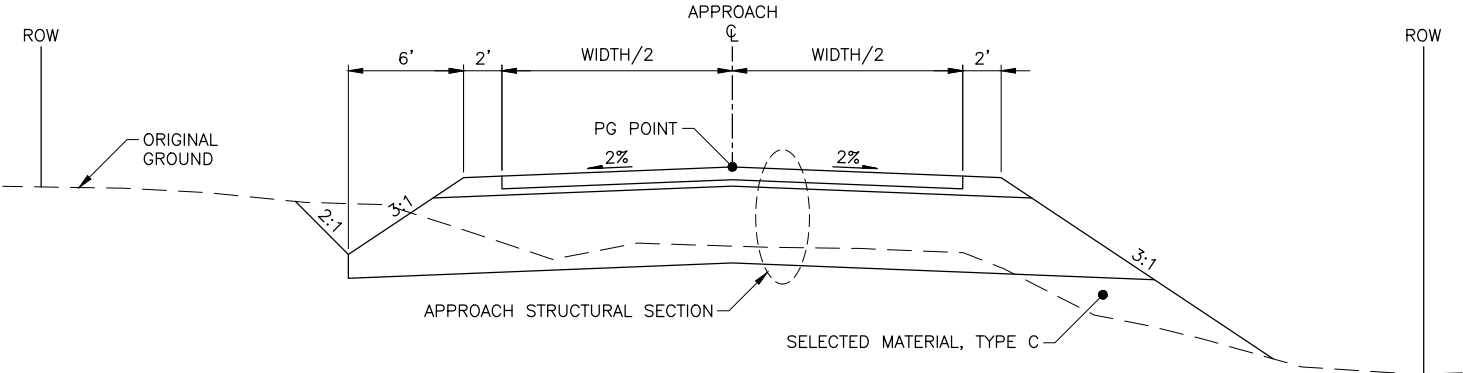
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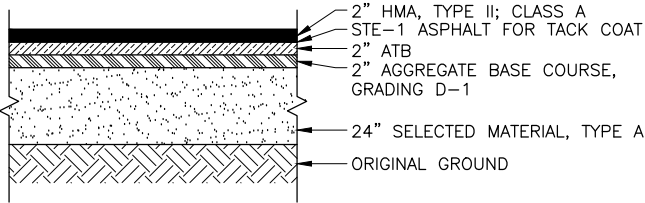
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			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	B7	B7



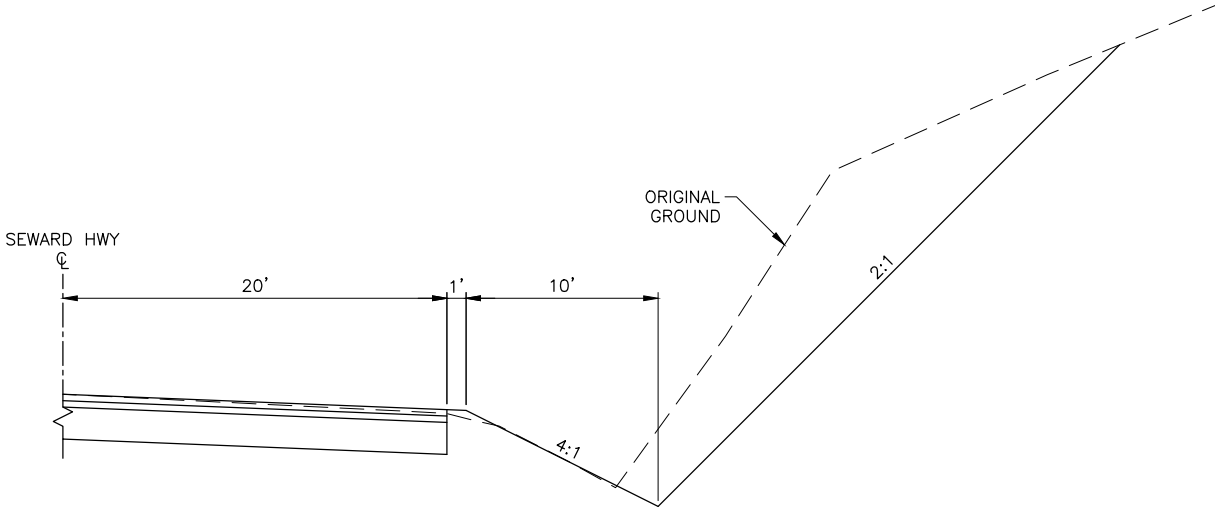
PUBLIC APPROACH



RESIDENTIAL APPROACH

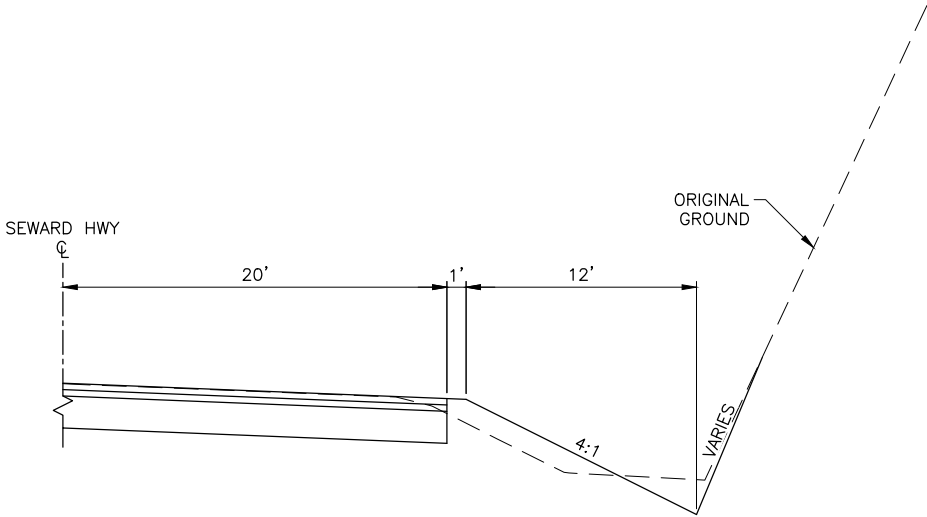


APPROACH STRUCTURAL SECTION



**SEWARD HIGHWAY
DITCH LINEAR GRADING RT**

STA 1590+00 TO STA 1620+00



**SEWARD HIGHWAY
DITCH LINEAR GRADING RT**

STA 1620+00 TO EOP

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES**
TYPICAL SECTIONS

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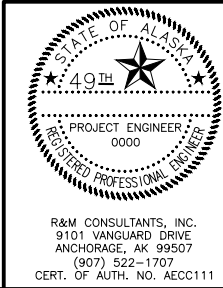
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	C1	C3

ESTIMATE OF QUANTITIES						
ITEM NO	SSHC 2017 NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY		TOTAL QUANTITY
				CFHWY00011	Z570880000	
201.0009.0000	201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED		ALL REQUIRED
202.0001.0000	202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED		ALL REQUIRED
202.0002.0000	202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	135,000		135,000
202.0003.0000	202(3)	REMOVAL OF SIDEWALK	SQUARE YARD	1,400		1,400
202.0004.0000	202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	4,500		4,500
202.0010.0000	202(10)	SINGLE MAIL BOX INSTALLATION	EACH	2		2
202.0023.0000	202(23)	REMOVAL OF BRIDGE, EXISTING BRIDGE NUMBER 644	LUMP SUM	ALL REQUIRED		ALL REQUIRED
202.2027.0000		CLUSTER MAIL BOX UNIT	EACH	4		4
203.0003.0000	203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	91,000	11,400	102,400
203.0006.000A	203(6)	BORROW, TYPE A	TON	97,000	17,000	114,000
203.2038.0000	203(27)	DITCH LINEAR GRADING	STATION	69		69
205.0005.0000	205(5)	CONTROLLED LOW-STRENGTH MATERIAL	CUBIC YARD	20		20
205.0006.0000	205(6)	STRUCTURAL FILL	CUBIC YARD	2,200		2,200
301.0001.00D1	301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	10,000	1,250	11,250
306.0001.0000	306(1)	ATB	TON	17,900	1,650	19,550
306.0002.5240	306(2)	ASPHALT BINDER, GRADE PG 52-40	TON	950	90	1,040
318.2000.0000	318(1)	FOAMED ASPHALT STABILIZED BASE COURSE	SQUARE YARD	126,000		126,000
318.2001.5228	318(2)	ASPHALT BINDER, GRADE PG 52-28	TON	1,250		1,250
318.2002.0001	318(3)	PORTLAND CEMENT, TYPE I	TON	620		620
318.2003.0000	318(4)	FOAMED ASPHALT TECHNICIAN	LUMP SUM	ALL REQUIRED		ALL REQUIRED
401.0001.002A	401(1A)	HMA, TYPE II; CLASS A	TON	16,100	830	16,930
401.0004.5240	401(4)	ASPHALT BINDER, GRADE PG 52-40	TON	860	50	910
401.0008.002A	401(8A)	HMA PRICE ADJUSTMENT, TYPE II; CLASS A	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
401.0015.0000	401(15)	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
402.0001.STE1	402(1)	STE-1 ASPHALT FOR TACK COAT	TON	54	5	59
406.0008.0000	406(4)	RUMBLE STRIPS, SHOULDERS	MILE	10		10
406.0012.0000	406(5)	RUMBLE STRIPS, CENTERLINE	MILE	5		5
501.0001.0000	501(1)	CLASS A CONCRETE	LUMP SUM	ALL REQUIRED		ALL REQUIRED
501.0007.0000	501(7A)	PRECAST CONCRETE MEMBER, 68'-4" DECKED BULB-TEE	EACH	24		24
501.2007.0000		HEADWALL	EACH	12		12
503.0001.0000	503(1)	REINFORCING STEEL	LUMP SUM	ALL REQUIRED		ALL REQUIRED
503.0002.0000	503(2)	EPOXY-COATED REINFORCING STEEL	LUMP SUM	ALL REQUIRED		ALL REQUIRED
505.0005.1417	505(5A)	FURNISH STRUCTURAL STEEL PILES, HP 14X117	LINEAR FOOT	1,171		1,171
505.0005.3675	505(5B)	FURNISH STRUCTURAL STEEL PILES, 3'-0" DIA X 3/4" PIPE	LINEAR FOOT	971		971
505.0006.1417	505(6A)	DRIVE STRUCTURAL STEEL PILES, HP 14X117	EACH	14		14
505.0006.3675	505(6B)	DRIVE STRUCTURAL STEEL PILES, 3'-0" DIA X 3/4" PIPE	EACH	10		10
507.0001.0002	507(1)	STEEL BRIDGE RAILING, 2-TUBE	LINEAR FOOT	500		500
507.0002.0000	507(2)	PEDESTRIAN RAILING	LINEAR FOOT	455		250
508.0001.0000	508(1A)	WATERPROOFING MEMBRANE, SPRAY-APPLIED	LUMP SUM	ALL REQUIRED		ALL REQUIRED

TABLE OF ESTIMATING FACTORS		
ITEM NO.	ITEM DESCRIPTION	FACTOR
203.0006.000A	BORROW, TYPE A	144 PCF
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	144 PCF
306.0001.0000	ATB	151 PCF
306.0002.5240	ASPHALT BINDER, GRADE PG 52-40	5.3% OF 306.0001.0000
318.2000.0000	FOAMED ASPHALT STABILIZED BASE COURSE	130 PCF
318.2001.5228	ASPHALT BINDER, GRADE PG 52-28	2% OF 318.2000.0000
318.2002.0001	PORTLAND CEMENT, TYPE I	1% OF 318.2000.0000
401.0001.002A	HMA, TYPE II; CLASS A	151 PCF
401.0004.5240	ASPHALT BINDER, GRADE PG 52-40	5.3% OF 401.0001.002A
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	0.000334 TON/SY
608.2002.0000	ASPHALT PATHWAY	151 PCF
610.0002.0000	DITCH LINING	110 PCF
611.0002.0001	RIPRAP, CLASS I	108 PCF
611.0002.0002	RIPRAP, CLASS II	108 PCF
618.0002.0000	SEEDING	0.0020 LB/SF
618.0003.0000	WATER FOR SEEDING	1 GAL/SF

PS&E REVIEW FEBRUARY 2019



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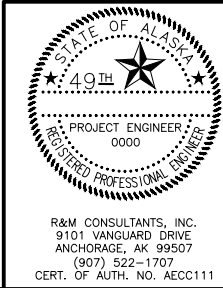
ESTIMATE OF QUANTITIES

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	C2	C3

ESTIMATE OF QUANTITIES						
ITEM NO	SSHC 2017 NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY		TOTAL QUANTITY
				CFHWY00011	Z570880000	
513.0001.0000	513(1)	FIELD PAINTING OF STEEL STRUCTURES	LUMP SUM	ALL REQUIRED		ALL REQUIRED
520.0001.0000	520(1)	TEMPORARY CROSSINGS	LUMP SUM	ALL REQUIRED		ALL REQUIRED
602.2002.0000	602(1)	PRECAST REINFORCED CONCRETE BOX CULVERT, 6'-0" SPAN, 3'-0" RISE	LINEAR FOOT	60		60
602.2002.0000	602(1)	PRECAST REINFORCED CONCRETE BOX CULVERT, 7'-0" SPAN, 5'-0" RISE	LINEAR FOOT	50		50
602.2012.0700		ALUMINUM STRUCTURAL PLATE PIPE, 7'-0" DIAMETER, 0.125" THICK	LINEAR FOOT	60		60
602.2012.0900		ALUMINUM STRUCTURAL PLATE PIPE, 9'-0" DIAMETER, 0.200" THICK	LINEAR FOOT	196		196
603.2000.0036		STEEL PIPE, 36 INCH, SCHEDULE 40	LINEAR FOOT	210		210
603.2000.0042		STEEL PIPE, 42 INCH, SCHEDULE 40	LINEAR FOOT	34		34
603.2004.C008	603(21-8)	CORRUGATED HDPE PIPE 8 INCH	LINEAR FOOT	306		306
603.2004.C018	603(21-18)	CORRUGATED HDPE PIPE 18 INCH	LINEAR FOOT	778		778
603.2004.C024	603(21-24)	CORRUGATED HDPE PIPE 24 INCH	LINEAR FOOT	1,228		1,228
603.2004.C036	603(21-36)	CORRUGATED HDPE PIPE 36 INCH	LINEAR FOOT	1,732		1,732
603.2004.C042	603(21-42)	CORRUGATED HDPE PIPE 42 INCH	LINEAR FOOT	96		96
603.2004.C048	603(21-48)	CORRUGATED HDPE PIPE 48 INCH	LINEAR FOOT	100		100
603.2004.ND18	603(30-18)	END SECTION FOR CORRUGATED HDPE PIPE 18 INCH	EACH	30		30
603.2004.ND24	603(30-24)	END SECTION FOR CORRUGATED HDPE PIPE 24 INCH	EACH	44		44
603.2004.ND36	603(30-36)	END SECTION FOR CORRUGATED HDPE PIPE 36 INCH	EACH	41		41
603.2004.ND42	603(30-42)	END SECTION FOR CORRUGATED HDPE PIPE 42 INCH	EACH	2		2
606.0001.0000	606(1)	W-BEAM GUARDRAIL	LINEAR FOOT	14,400		14,400
606.0006.0000	606(6)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	15,100		15,100
606.0013.0000	606(13)	PARALLEL GUARDRAIL TERMINAL	EACH	17		17
606.0016.0000	606(16)	TRANSITION RAIL	EACH	4		4
606.2005.0000	606(19)	ESSENTIAL REPLACEMENT PARTS	LUMP SUM	ALL REQUIRED		ALL REQUIRED
606.2006.0000	606(20)	ESSENTIAL REPLACEMENT PARTS - INSTALLATION	CONTINGENT SUM	ALL REQUIRED		ALL REQUIRED
607.0003.0000	607(3)	CHAIN LINK FENCE	LINEAR FOOT	2,050		2,050
608.2002.0000	608(7)	ASPHALT PATHWAY	TON	900		900
609.0002.0001	609(2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	440		440
610.0002.0000	610(2)	DITCH LINING	TON	1,500		1,500
611.0002.0001	611(2A)	RIPRAP, CLASS I	TON	870		870
611.0002.0002	611(2B)	RIPRAP, CLASS II	TON	3,050		3,050
615.0001.0000	615(1)	STANDARD SIGN	SQUARE FOOT	1,044		1,044
615.0004.0000	615(4)	DELINEATOR, RIGID	EACH	47		47
616.0001.0050	616(1)	THAW PIPE 1/2 INCH DIAMETER	LINEAR FOOT	1,716		1,716
618.0002.0000	618(2)	SEEDING	POUND	1,450	620	2,070
618.0003.0000	618(3)	WATER FOR SEEDING	MGAL	725	310	1,035
620.0001.0000	620(1)	TOPSOIL	SQUARE YARD	81,000	34,500	115,500
630.0002.0001	630(2)	GEOTEXTILE, STABILIZATION, CLASS 1	SQUARE YARD	2,300		2,300
631.0002.0001	631(2)	GEOTEXTILE, EROSION CONTROL, CLASS 1	SQUARE YARD	2,950		2,950

PS&E REVIEW FEBRUARY 2019



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CORRIDOR LEFT TURN LANES

ESTIMATE OF QUANTITIES

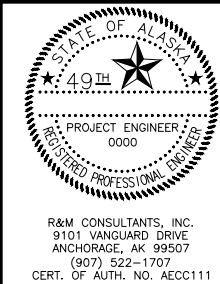
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	C3	C3

ESTIMATE OF QUANTITIES						
ITEM NO	SSHC 2017 NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY		TOTAL QUANTITY
				CFHWY00011	Z570880000	
639.2000.0000	639(6)	APPROACH	EACH	43		43
640.0001.0000	640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0001.0000	641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0002.0000	641(2)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0006.0000	641(6)	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0007.0000	641(7)	SWPPP MANAGER	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.0001.0000	642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.0003.0000	642(3)	THREE PERSON SURVEY PARTY	HOURL	400	100	500
642.2005.0000	642(13)	CONTRACTOR-FURNISHED COMPUTATIONS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.2006.0000	642(14)	CONTRACTOR-FURNISHED ENGINEERING TOOLS	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.2008.0000	642(16)	PASSING SIGHT DISTANCE MEASUREMENT	STATION	560		560
643.0002.0000	643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0003.0000	643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0023.0000	643(23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0025.0000	643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0032.0000	643(15A)	FLAGGING	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
644.0001.0000	644(1)	FIELD OFFICE	LUMP SUM	ALL REQUIRED		ALL REQUIRED
644.0002.0000	644(2)	FIELD LABORATORY	LUMP SUM	ALL REQUIRED		ALL REQUIRED
644.0015.0000	644(15)	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1		1
644.0016.0000	644(16)	STORAGE CONTAINER	EACH	1		1
644.2003.0000	644(17)	IMAGE DOCUMENTATION	LUMP SUM	ALL REQUIRED		ALL REQUIRED
644.2004.0000	644(10)	ENGINEERING COMMUNICATIONS	CONTINGENT SUM	ALL REQUIRED		ALL REQUIRED
644.2007.0000	644(8)	VEHICLE (LT/SUV)	EACH	5		5
645.0001.0000	645(1)	TRAINING PROGRAM, _ TRAINEES / APPRENTICES	LABOR HOUR	*	*	*
646.0001.0000	646(1)	CPM SCHEDULING	LUMP SUM	ALL REQUIRED		ALL REQUIRED
647.2000.0000	647(1)	WIDE PAD DOZER, 65-HP MINIMUM	CONTINGENT SUM	ALL REQUIRED		ALL REQUIRED
660.0002.0000	660(2)	FLASHING BEACON SYSTEM COMPLETE, SAWMILL AND SEWARD	LUMP SUM		ALL REQUIRED	ALL REQUIRED
660.0003.0000	660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE, BORETIDE AND SEWARD	LUMP SUM		ALL REQUIRED	ALL REQUIRED
660.0003.0000	660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE, SAWMILL AND SEWARD	LUMP SUM		ALL REQUIRED	ALL REQUIRED
661.0002.0000	661(2)	LOAD CENTER, TYPE 1A	EACH		2	2
669.2003.0000	669(1)	AUTOMATED TRAFFIC RECORDER	LUMP SUM	ALL REQUIRED		ALL REQUIRED
670.2003.0000	670(10A)	MMA PAVEMENT MARKINGS, LONGITUDINAL SURFACE APPLIED	LINEAR FOOT	70,000		70,000
670.2006.0000	670(10D)	MMA PAVEMENT MARKINGS, LONGITUDINAL INLAID	LINEAR FOOT	59,000		59,000
670.2007.0000	670(10E)	MMA PAVEMENT MARKINGS, SYMBOLS AND ARROW(S) INLAID	EACH	18		18
670.2008.0000	670(10F)	MMA PAVEMENT MARKINGS, TRANSVERSE AND GORE INLAID	LINEAR FOOT	5,400		5,400
682.2000.0000	682(1)	VAC-TRUCK POTHOLE	CONTINGENT SUM	ALL REQUIRED		ALL REQUIRED
690.2004.0000	690(13)	WATERWAY RESTORATION, STREAM REALIGNMENT	LINEAR FOOT	1,100		1,100

* ITEM 645.0001.0000 TRAINING PROGRAM, _ TRAINEES/APPRENTICES QUANTITY IS FOR TOTAL CONTRACT. SEE BID SCHEDULE FOR TOTAL QUANTITY. LABOR HOURS MAY BE ACCRUED THROUGH ANY OF THE INDIVIDUAL PROJECTS.

PS&E REVIEW FEBRUARY 2019



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ESTIMATE OF QUANTITIES

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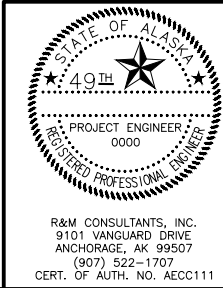
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205.0006.0000, 306.0001.0000, 306.0002.5240, 401.0001.002A, 401.0004.5240, 402.0001.STE1, 608.2002.0000													
EARTHWORK SUMMARY													
SHEET	STATION RANGE			EXCAVATION			EMBANKMENT					EXCESS USABLE EXCAVATION	WASTE
				UNCLASSIFIED	USABLE	UNUSABLE	SELECTED MATERIAL, TYPE C	SELECTED MATERIAL, TYPE A	STRUCTURAL FILL	FOAMED ASPHALT BASE COURSE	AGGREGATE BASE COURSE, GRADING D-1		
CFHWY00011													
F1-F3	1380+50	TO	1417+00	2,960	2,220	740	260	1,390	0	5,240	150		
F4-F5	1417+00	TO	1443+00	10,410	7,810	2,600	30	7,460	0	3,240	1,100		
F6-F12	1443+00	TO	1534+00	8,880	6,660	2,220	0	6,460	0	12,590	310		
F13-F15	1534+00	TO	1570+00	44,540	33,420	11,120	5,520	24,500	1,640	1,210	2,110		
F16-F22	1570+00	TO	1658+50	2,240	1,690	550	340	1,920	0	12,640	80		
ROADWAY SUBTOTAL				69,030	51,800	17,230	6,150	41,730	1,640	34,920	3,750		
F23-F24	100+00	TO	107+00	4,490	3,370	1,120	320	1,190	0	0	160		
F25-F27	200+00	TO	213+20	1,960	1,470	490	1,900	1,740	150	0	310		
F28-F29	213+20	TO	228+00	8,390	6,290	2,100	1,840	1,060	380	0	200		
F30-F32	228+00	TO	264+00	7,120	5,350	1,770	240	3,710	0	0	710		
PATHWAY SUBTOTAL				21,960	16,480	5,480	4,300	7,700	530	0	1,380		
PROJECT SUBTOTAL				90,990	68,280	22,710	10,450	49,430	2,170	34,920	5,130	57,830	22,710
LESS USABLE EXCAVATION							10,450						
PROJECT TOTAL				90,990	68,280	22,710	0	49,430	2,170	34,920	5,130	57,830	22,710
ESTIMATE OF QUANTITIES				91,000				97,000	4,250	126,000	10,000		
				CY				TON	TON	SY	TON		
Z570880000													
F3	1404+00	TO	1417+00	630	470	160	330	500	0	0	50		
F4	1417+00	TO	1430+00	7,800	5,850	1,950	220	4,250	0	0	230		
F5	1430+00	TO	1443+00	2,940	2,210	730	1,040	3,960	0	0	190		
F13	1534+00	TO	1547+00	0	0	0	0	0	0	0	30		
F14	1547+00	TO	1560+00	0	0	0	0	0	0	0	130		
F15	1560+00	TO	1570+00	0	0	0	0	0	0	0	10		
ROADWAY SUBTOTAL				11,370	8,530	2,840	1,590	8,710	0	0	640	6,940	2,840
LESS USABLE EXCAVATION							1,590						
PROJECT TOTAL				11,370	8,530	2,840	0	8,710	0	0	640	6,940	2,840
ESTIMATE OF QUANTITIES				11,400				17,000			1,250		
				CY				TON			TON		

THIS SHEET TO BE REMOVED FOR FINAL PS&E

PS&E REVIEW FEBRUARY 2019



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SEWARD HWY: MP 100-105
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CORRIDOR LEFT TURN LANES

SUMMARY TABLES

FILE Z:\PROJECT\2129.00 DOT-C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-D01.DWG

DATE/TIME 2/3/2019 1:58 PM

LAYOUT

D0.2

DESIGNED

CHECKED

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	D0.2	D7

306.0001.0000, 306.0002.5240, 401.0001.002A, 401.0004.5240, 402.0001.STE1, 608.2002.0000												
SURFACING SUMMARY												
SHEET	STATION RANGE			306.0001.0000		306.0002.5240	401.0001.002A		401.0004.5240	402.0001.STE1	608.2002.0000	
				ATB		ASPHALT BINDER, GRADE PG 52-40	HMA, TYPE II; CLASS A		ASPHALT BINDER, GRADE PG 52-40	STE-1 ASPHALT FOR TACK COAT	ASPHALT PATHWAY	
				AREA	WEIGHT		AREA	WEIGHT			AREA	WEIGHT
				SF	TON		TON	SF			TON	TON
CFHWY00011												
F1-F3	1380+50	T0	1417+00	155,483	1,978	105	157,154	1,978	105	5.83		
F4-F5	1417+00	T0	1443+00	122,166	2,229	118	158,977	2,000	106	6.57		
F6-F12	1443+00	T0	1534+00	392,295	5,364	284	400,405	5,038	267	16.12		
F13-F15	1534+00	T0	1570+00	148,096	3,567	189	181,730	2,287	121	10.94		
F16-F22	1570+00	T0	1658+50	377,801	4,754	252	377,801	4,754	252	14.02		
ROADWAY TOTAL				1,195,841	17,892	948	1,276,067	16,057	851	53.48		
F23-F24	100+00	T0	107+00								7,324	92
F25-F27	200+00	T0	213+20								16,790	211
F28-F29	213+20	T0	228+00								14,252	179
F30-F32	228+00	T0	264+00								32,801	413
PATHWAY TOTAL											71,167	895
PROJECT TOTAL				1,195,841	17,892	948	1,276,067	16,057	851	53.48	71,167	895
ESTIMATE OF QUANTITIES					17,900	950		16,100	860	54		900
					TON	TON		TON	TON	TON		TON
Z570880000												
F3	1404+00	T0	1417+00	487	12	1	487	6	0	0.04		
F4	1417+00	T0	1430+00	20,352	512	27	20,352	256	14	1.51		
F5	1430+00	T0	1443+00	17,466	440	23	17,466	220	12	1.30		
F13	1534+00	T0	1547+00	3,562	90	5	3,562	45	2	0.26		
F14	1547+00	T0	1560+00	19,593	493	26	19,593	247	13	1.45		
F15	1560+00	T0	1570+00	4,442	70	4	4,442	56	3	0.21		
ROADWAY TOTAL				65,902	1,617	86	65,902	830	44	4.77		
PROJECT TOTAL				65,902	1,617	86	65,902	830	44	4.77		
ESTIMATE OF QUANTITIES					1,650	90		830	50	5		
					TON	TON		TON	TON	TON		

THIS SHEET TO BE REMOVED FOR FINAL PS&E

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SUMMARY TABLES

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-DOT.DWG

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2/3/2019 1:58 PM

DATE/TIME

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	D1	D7

201.0009.0000					
CLEARING AND GRUBBING					
SHEET	STATION RANGE			AREA	
				SF	ACRES
F1	1380+50	T0	1391+00	0	0.00
F2	1391+00	T0	1404+00	0	0.00
F3	1404+00	T0	1417+00	145,304	3.34
F4	1417+00	T0	1430+00	154,045	3.54
F5	1430+00	T0	1443+00	129,957	2.98
F6	1443+00	T0	1456+00	0	0.00
F7	1456+00	T0	1469+00	0	0.00
F8	1469+00	T0	1482+00	0	0.00
F9	1482+00	T0	1495+00	0	0.00
F10	1495+00	T0	1508+00	0	0.00
F11	1508+00	T0	1521+00	0	0.00
F12	1521+00	T0	1534+00	56,284	1.29
F13	1534+00	T0	1547+00	194,370	4.46
F14	1547+00	T0	1560+00	178,710	4.10
F15	1560+00	T0	1570+00	80,822	1.86
F16	1570+00	T0	1583+00	115,488	2.65
F17	1583+00	T0	1596+00	45,077	1.03
F18	1596+00	T0	1609+00	0	0.00
F19	1609+00	T0	1622+00	0	0.00
F20	1622+00	T0	1635+00	0	0.00
F21	1635+00	T0	1648+00	0	0.00
F22	1648+00	T0	1658+50	0	0.00
TOTAL				1,100,056	25.25
ROUNDED TOTAL				1,132,560	26

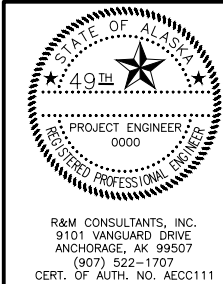
202.0001.0000			
REMOVAL OF STRUCTURES AND OBSTRUCTIONS			
SHEET	STATION	OFFSET	DESCRIPTION
F3	1406+63	RT	WARNING BEACON
F4	1417+66	RT	CONCRETE PARKING STOPS (7 EACH)
F4	1427+12	RT	MAILBOXES. BIRD MOTEL & RV PARK
F4	1428+45	RT	PRIVATE SIGN (BIRD MOTEL & RV PARK)
F4	1429+64	RT	MAILBOXES. ESSENTIAL ONE GAS STATION
F5	1435+07	RT	MAILBOXES. STELLER'S JAY LN
F6	1455+93	LT	WARNING BEACON
F7	1458+36	LT	CHAIN LINK FENCE (500 LF)
F13	1538+93	LT	BOLLARDS (3 EACH)
F13	1538+98	LT	WOOD BARRIER (50 LF)
F13	1538+99	LT	GATE (BOTH SIDES OF APPROACH)
F13	1541+02	LT	CHAIN LINK FENCE (160 LF)
F14	1548+67	RT	ILLUMINATED POST (5 EACH)
F14	1548+67	RT	LANDSCAPING CURB (230 LF)
F14	1550+85	RT	MAILBOXES. BORETIDE RD
F14	1550+92	RT	CHUGACH PARK VIEW SIGN. BORETIDE RD
F16	1570+01	RT	SEPTIC SYSTEM REMOVAL. INDIAN HOUSE
F16	1570+05	RT	ILLUMINATED POST (7 EACH)
F20	1632+77	LT	GATE (ARRC)

202.0002.0000					
REMOVAL OF PAVEMENT					
SHEET	STATION RANGE		AREA (SY)	REMARKS	
F1	1380+50	T0	1391+00	4,647	
F2	1391+00	T0	1404+00	5,881	
F3	1404+00	T0	1417+00	5,958	
F4	1417+00	T0	1430+00	8,595	
F5	1430+00	T0	1443+00	6,901	
F6	1443+00	T0	1456+00	6,044	
F7	1456+00	T0	1469+00	6,026	
F8	1469+00	T0	1482+00	8,427	
F9	1482+00	T0	1495+00	5,983	
F10	1495+00	T0	1508+00	5,931	
F11	1508+00	T0	1521+00	5,752	
F12	1521+00	T0	1534+00	5,786	
F13	1534+00	T0	1547+00	6,488	
F14	1547+00	T0	1560+00	7,217	
F15	1560+00	T0	1570+00	4,385	
F16	1570+00	T0	1583+00	5,925	
F17	1583+00	T0	1596+00	6,553	
F18	1596+00	T0	1609+00	5,861	
F19	1609+00	T0	1622+00	6,601	
F20	1622+00	T0	1635+00	5,617	
F21	1635+00	T0	1648+00	5,764	
F22	1648+00	T0	1658+50	4,569	
TOTAL			134,911		
ROUNDED TOTAL			135,000		

202.0003.0000					
REMOVAL OF SIDEWALK					
SHEET	STATION RANGE			AREA (SY)	REMARKS
F3	1404+00	T0	1417+00	593.07	
F4	1417+00	T0	1430+00	53.79	
F12	1521+00	T0	1534+00	409.03	
F13	1534+00	T0	1547+00	318.80	
F14	1547+00	T0	1560+00	14.30	
TOTAL				1,388.99	
ROUNDED TOTAL				1,400	

202.0010.0000, 202.2027.0000						
MAILBOX SUMMARY						
SHEET	STATION	OFFSET	SINGLE	CLUSTER		REMARKS
				NEW	RELOCATED	
F4	1399+04	RT	1			WHISPERING BIRD LN. RELOCATE EXISTING
F4	1418+54	RT			1	KONIKSON RD
F34	1428+56	RT		3		SAWMILL RD
F5	1435+02	RT		2		STELLER'S JAY LN
F14	1550+52	RT		2	1	BORETIDE RD
F15	1568+78	RT	1			INDIAN HOUSE. RELOCATE EXISTING
TOTAL UNITS			2	7	2	
TOTAL LOCATIONS			2	4		

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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SEWARD HWY: MP 100–105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

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LAYOUT

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	D2	D7

202.0004.0000				
REMOVAL OF CULVERT PIPE				
SHEET	STATION	OFFSET	LENGTH (LF)	REMARKS
F1	1386+18.6	-	143.7	24" CMP
F1	1387+67.6	55.3 RT	40.3	24" CMP
F1	1389+47.6	51.9 RT	30.7	24" CMP
F2	1397+56.5	-	92.4	24" CMP
F2	1398+71.6	45.0 RT	38.3	24" CMP
F2	1401+43.2	40.9 RT	46.5	18" CMP
F2	1401+55.8	41.0 LT	29.8	18" CMP
F3	1405+47.6	40.0 RT	33.9	18" CMP
F3	1411+87.1	115.8 RT	30.7	24" CMP
F3	1415+11.9	-	133.1	48" CMP
F3	1415+53.7	112.2 RT	45.5	48" CMP
F4	1417+25.4	41.6 RT	65.9	24" CMP
F4	1417+44.8	92.8 RT	19.8	18" CMP
F4	1418+58.4	41.5 RT	60.0	18" CMP
F4	1424+54.1	-	86.9	24" CMP
F4	1424+93.8	40.4 RT	24.3	18" CMP
F4	1425+83.3	39.7 RT	59.8	18" CMP
F4	1428+09.1	-	101.2	24" CMP
F4	1428+89.7	40.9 RT	58.1	18" CMP
F5	1431+43.2	-	78.3	24" CMP
F5	1431+72.8	42.1 RT	47.6	18" CMP
F5	1435+20.8	41.3 RT	39.5	18" CMP
F5	1438+55.9	-	70.7	24" CMP
F5	1439+03.5	40.7 RT	37.6	18" CMP
F6	1445+37.2	41.1 RT	44.3	18" CMP
F6	1451+60.0	40.3 RT	61.1	24" CMP
F8	1472+95.2	54.2 RT	68.6	18" CMP
F10	1497+88.3	48.4 RT	59.7	18" CMP
F12	1527+98.0	-	101.1	24" CMP
F12	1532+98.9	40.6 RT	50.6	18" CMP
F12	1532+98.8	56.6 RT	20.4	12" CMP
F13	1534+93.5	40.3 RT	50.1	18" CMP
F13	1537+07.3	40.1 RT	50.6	18" CMP
F13	1537+83.1	41.3 RT	24.5	18" CMP
F13	1538+10.9	147.3 RT	114.0	24" CMP
F13	1539+02.2	66.3 LT	78.7	18" CMP
F13	1545+23.9	40.5 RT	28.9	18" CMP

REMOVAL OF CULVERT PIPE (CONTINUED)				
SHEET	STATION	OFFSET	LENGTH (LF)	REMARKS
F14	1547+52.2	42.1 RT	49.7	18" CMP
F14	1549+75.6	40.5 RT	48.8	18" CMP
F14	1549+89.5	124.0 LT	40.2	18" CMP
F14	1550+58.6	40.0 RT	67.8	24" CMP
F14	1550+77.5	361.5 RT	19.8	18" CMP
F14	1554+12.8	-	79.3	24" CMP
F15	1563+97.0	-	66.5	24" CMP
F15	1564+06.1	84.5 LT	42.4	24" CMP
F15	1569+06.1	35.6 RT	68.4	18" CMP
F16	1570+86.6	40.0 RT	39.5	18" CMP
F16	1571+48.6	105.7 RT	24.0	12" CMP
F16	1571+74.9	62.0 RT	49.9	24" CMP
F16	1572+34.5	-	79.4	24" CMP
F16	1572+91.1	-	71.5	36" CMP
F16	1572+96.9	76.5 LT	59.8	36" CMP
F16	1573+24.5	42.3 RT	43.6	18" CMP
F16	1574+04.5	40.9 RT	30.1	24" CMP
F16	1576+80.7	39.3 RT	30.3	18" CMP
F16	1578+02.8	-	75.1	36" CMP
F16	1578+03.3	77.9 LT	42.4	24" CMP
F16	1579+26.3	40.0 RT	32.5	24" CMP
F16	1581+72.0	40.9 RT	30.1	18" CMP
F17	1585+36.1	-	80.7	24" CMP
F17	1585+56.0	88.6 LT	51.2	18" CMP
F17	1588+13.8	73.0 RT	62.4	18" CMP
F17	1588+99.1	40.0 RT	92.4	18" CMP
F17	1589+87.7	-	136.0	24" CMP
F17	1590+90.9	41.6 RT	50.3	18" CMP
F17	1591+54.7	-	75.8	24" CMP
F17	1594+82.0	-	78.5	24" CMP
F17	1594+82.8	72.9 LT	58.4	24" CMP
F17	1595+15.4	38.3 RT	64.9	18" CMP
F18	1608+60.1	-	81.2	24" CMP
F19	1613+65.9	-	59.5	24" CMP
F20	1625+61.8	-	62.4	24" CMP
F21	1641+35.7	-	59.2	24" CMP
F21	1642+85.4	-	59.1	24" CMP
F21	1645+92.9	-	52.9	36" CMP
F21	1645+92.1	59.7 LT	36.1	36" CMP
F22	1652+31.0	-	64.0	24" CMP
TOTAL			4,483.3	
ROUNDED TOTAL			4,500	

406.0008.0000, 406.0012.0000					
RUMBLE STRIPS					
SHEET	STATION RANGE			LENGTH (MILE)	
				SHOULDERS	CENTERLINE
F1	1380+50	T0	1391+00	0.37	0.18
F2	1391+00	T0	1404+00	0.45	0.23
F3	1404+00	T0	1417+00	0.46	0.22
F4	1417+00	T0	1430+00	0.39	0.17
F5	1430+00	T0	1443+00	0.41	0.16
F6	1443+00	T0	1456+00	0.45	0.20
F7	1456+00	T0	1469+00	0.42	0.21
F8	1469+00	T0	1482+00	0.47	0.22
F9	1482+00	T0	1495+00	0.49	0.25
F10	1495+00	T0	1508+00	0.47	0.23
F11	1508+00	T0	1521+00	0.49	0.25
F12	1521+00	T0	1534+00	0.47	0.23
F13	1534+00	T0	1547+00	0.32	0.14
F14	1547+00	T0	1560+00	0.45	0.21
F15	1560+00	T0	1570+00	0.36	0.17
F16	1570+00	T0	1583+00	0.47	0.23
F17	1583+00	T0	1596+00	0.44	0.22
F18	1596+00	T0	1609+00	0.48	0.25
F19	1609+00	T0	1622+00	0.49	0.25
F20	1622+00	T0	1635+00	0.49	0.25
F21	1635+00	T0	1648+00	0.49	0.25
F22	1648+00	T0	1658+50	0.40	0.20
TOTAL				9.74	4.69
ROUNDED TOTAL				10	5

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
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SEWARD HWY: MP 100–105
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CORRIDOR LEFT TURN LANES

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	D3	D7

501.2007.0000, 603.2000.0036, 603.2000.0042, 603.2004.C008, 603.2004.C018, 603.2004.C024, 603.2004.C036, 603.2004.C042, 603.2004.ND18, 603.2004.ND24, 603.2004.ND36, 603.2004.ND42, 616.0001.0050

PIPE SUMMARY (CULVERTS)																		
SHEET	PIPE	PAY LENGTH (LF)							STATION RANGE						SLOPE (%)	END SECTIONS	THAW PIPE	REMARKS
		HDPE					STEEL PIPE		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT				
		8 IN	18 IN	24 IN	36 IN	42 IN	36 IN	42 IN										
F1	P1-1				118.0				1386+20.0	50.0 RT	87.49	1386+20.0	67.4 LT	75.75	10.0	2	X	
F1	P1-2			52.0					1387+92.4	56.4 RT	94.90	1387+41.2	56.4 RT	92.95	3.8	2		
F1	P1-3			32.0					1389+63.5	51.8 RT	98.66	1389+31.6	51.9 RT	98.21	1.4	2		
F2	P2-1				86.0				1397+55.0	42.7 RT	98.66	1397+55.0	43.3 LT	98.16	0.6	2	X	
F2	P2-2			40.0					1399+06.0	47.0 RT	100.36	1398+66.0	48.0 RT	100.28	0.2	2		
F2	P2-3		48.0						1401+19.2	40.8 RT	98.21	1401+67.2	40.8 RT	97.39	1.7	2		
F2	P2-4		32.0						1401+39.8	41.1 LT	97.62	1401+71.8	41.1 LT	97.08	1.7	2		
F3	P3-1		36.0						1405+65.6	40.0 RT	86.51	1405+29.6	40.0 RT	86.08	1.2	2		
F3	P3-5			58.0					1415+11.1	71.4 RT	55.23	1414+53.2	71.4 RT	51.02	7.3	2		
F4	P4-1			58.0					1418+99.7	44.2 RT	74.64	1418+41.7	44.6 RT	74.47	0.3	2		
F4	P4-2		36.0						1417+72.5	148.9 RT	74.86	1417+72.5	112.9 RT	74.76	0.3	2		
F4	P4-3		54.0						1418+48.0	157.9 RT	80.64	1418+48.0	104.1 RT	75.19	10.1	2		
F4	P4-4		40.0						1418+92.0	141.9 RT	78.90	1418+92.0	102.1 RT	75.06	9.6	2		
F4	P4-5				80.0				1424+55.0	35.1 RT	82.85	1424+55.0	44.9 LT	81.96	1.1	2	X	
F4	P4-6		22.0						1425+05.0	49.0 RT	84.10	1424+83.0	49.1 RT	83.81	1.3	2		
F4	P4-7		60.0						1426+41.0	49.0 RT	85.89	1425+81.1	49.0 RT	85.11	1.3	2		
F4	P4-8				92.0				1428+10.0	47.2 RT	85.63	1428+10.0	44.8 LT	84.99	0.7	2	X	
F4	P4-9			98.0					1429+35.6	60.6 RT	89.67	1428+37.9	59.0 RT	87.82	1.9	2		
F4	P4-10			94.0					1428+56.0	187.5 RT	89.73	1428+36.7	95.5 RT	88.72	1.1	2		
F5	P5-1				84.0				1433+00.0	37.4 RT	94.22	1433+00.0	46.5 LT	90.26	4.7	2	X	
F5	P5-2			62.0					1434+90.0	56.0 RT	94.60	1435+51.4	56.4 RT	94.60	0.0	2		
F5	P5-3	306.0							1435+58.0	160.0 RT	95.15	1436+19.0	139.6 LT	82.26	4.2	0		FOR FUTURE ELECTRICAL SERVICE
F5	P5-4				72.0				1438+55.0	36.6 RT	94.34	1438+55.0	35.4 LT	92.91	2.0	2	X	
F5	P5-5			58.0					1438+77.8	48.4 RT	95.25	1439+35.3	47.7 RT	94.01	2.1	2		
F6	P6-1			50.0					1445+13.0	41.3 RT	80.55	1445+62.6	41.3 RT	79.51	2.1	2		
F6	P6-2			74.0					1451+26.4	40.4 RT	59.71	1451+99.8	40.4 RT	57.42	3.1	2		
F8	P8-1		72.0						1473+31.6	56.3 RT	65.45	1472+57.4	56.5 RT	62.65	3.9	2		
F10	P10-1		64.0						1497+58.5	43.4 RT	78.90	1498+20.5	54.7 RT	78.26	1.0	2		
F12	P12-1					96.0			1528+00.0	43.1 RT	53.79	1528+00.0	52.9 LT	53.31	0.5	2	X	
F12	P12-2		60.0						1532+68.6	40.8 RT	53.41	1533+28.0	37.6 RT	52.26	1.9	2		
F13	P13-1		72.0						1534+64.5	37.8 RT	49.01	1535+35.9	37.0 RT	47.75	1.8	2		
F13	P13-2		60.0						1537+52.8	42.4 RT	41.45	1538+12.1	47.0 RT	40.91	0.9	2		
F13	P13-3				112.0				1537+58.1	138.9 RT	43.67	1538+66.1	149.6 RT	39.72	3.5	2		
F13	P13-4			36.0					1538+15.8	89.8 LT	34.50	1537+97.7	121.2 LT	34.50	0.0	2		
F13	P13-5			62.0					1545+45.3	54.3 RT	36.36	1544+84.3	57.5 RT	31.65	7.6	2		

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SUMMARY TABLES

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-D01.DWG

DATE/TIME 2/3/2019 1:58 PM

LAYOUT

D4

DESIGNED

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	D4	D7

PIPE SUMMARY (CULVERTS) (CONTINUED)																				
SHEET	PIPE	PAY LENGTH (LF)							STATION RANGE						SLOPE (%)	END SECTIONS	THAW PIPE	REMARKS		
		HDPE					STEEL PIPE		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT						
		8 IN	18 IN	24 IN	36 IN	42 IN	36 IN	42 IN												
F14	P14-1			60.0					1548+08.2	74.0 RT	39.92	1547+49.2	72.8 RT	39.12	1.3	2				
F14	P14-2			40.0					1550+09.2	123.8 LT	22.88	1549+69.3	124.2 LT	22.69	0.5	2		RAILROAD		
F14	P14-3			72.0					1550+32.2	182.9 RT	53.38	1550+32.2	111.0 RT	49.64	5.2	2				
F14	P14-4			76.0					1550+67.5	350.8 RT	63.74	1550+46.0	278.0 RT	59.05	6.2	2				
F14	P14-5			38.0					1550+74.8	80.8 RT	47.90	1550+37.2	86.3 RT	47.67	0.6	2				
F14	P14-6				110.0				1552+59.0	43.7 RT	51.10	1552+59.0	66.1 LT	45.17	5.4	2	X			
F15	P15-1				22.0				1563+87.0	80.9 RT	48.58	1563+87.0	58.9 RT	48.25	1.5	2	X			
F15	P15-2				74.0				1563+87.0	36.2 RT	47.37	1563+87.0	37.6 LT	41.10	8.5	2	X			
F15	P15-3						42.0		1563+87.0	67.3 LT	24.81	1563+87.0	109.3 LT	24.02	1.9	0		RAILROAD		
F15	P15-4			28.0					1568+00.5	38.9 RT	43.71	1568+05.4	66.5 RT	43.43	1.0	2				
F15	P15-5			64.0					1568+71.4	61.0 RT	41.77	1569+35.4	61.0 RT	41.13	1.0	2				
F16	P16-4			38.0					1573+27.2	63.9 RT	37.98	1572+90.4	64.0 RT	37.10	2.3	2				
F16	P16-5				64.0				1578+00.0	31.3 RT	33.20	1578+00.0	32.5 LT	28.24	7.8	2	X			
F17	P17-1				76.0				1585+25.0	36.8 RT	31.25	1585+25.0	38.9 LT	25.10	8.1	1	X	HEADWALL, TYPE II AT OUTLET		
F17	P17-2						62.0		1585+25.0	48.1 LT	24.72	1585+25.0	110.1 LT	23.63	1.8	0		RAILROAD		
F17	P17-3			38.0					1588+40.5	84.5 RT	40.07	1588+31.4	47.9 RT	36.21	10.2	2				
F17	P17-4				102.0				1588+46.6	39.4 RT	33.22	1589+46.6	39.3 RT	32.50	0.7	2	X			
F17	P17-5				70.0				1589+90.0	37.6 RT	32.04	1589+90.0	32.3 LT	28.99	4.4	1	X	HEADWALL, TYPE II AT OUTLET		
F17	P17-6						54.0		1589+90.0	44.3 LT	25.68	1589+90.0	98.3 LT	23.70	3.7	0		RAILROAD		
F17	P17-7		56.0						1590+60.9	40.6 RT	32.40	1591+16.9	41.3 RT	31.72	1.2	2				
F17	P17-8				70.0				1591+55.0	35.0 RT	30.32	1591+55.0	34.7 LT	24.25	8.7	2	X			
F17	P17-9				66.0				1594+55.0	29.6 RT	32.78	1594+55.0	36.1 LT	26.31	9.9	1	X	HEADWALL, TYPE II AT OUTLET		
F17	P17-10						52.0		1594+55.0	48.6 LT	23.71	1594+55.0	100.4 LT	19.82	7.5	0		RAILROAD		
F17	P17-11		66.0						1595+48.5	38.3 RT	33.98	1594+82.5	38.3 RT	32.99	1.5	2				
F18	P18-1				78.0				1608+60.0	24.2 RT	41.60	1608+60.0	53.8 LT	40.16	1.9	2	X			
F19	P19-1				62.0				1613+65.0	25.5 RT	33.68	1613+65.0	36.4 LT	30.09	5.8	2	X			
F20	P20-1				62.0				1625+60.0	24.7 RT	32.53	1625+60.0	37.1 LT	28.45	6.6	2	X			
F21	P21-1				60.0				1641+40.0	25.1 RT	30.81	1641+40.0	34.7 LT	26.67	6.9	2	X			
F21	P21-2				58.0				1642+85.0	22.3 RT	30.35	1642+85.0	35.6 LT	26.88	6.0	2	X			
F21	P21-3				54.0				1645+92.0	22.3 RT	31.99	1645+92.0	31.4 LT	26.91	9.5	0	X	HEADWALL, TYPE II AT OUTLET		
F21	P21-4							34.0	1645+92.0	43.1 LT	23.91	1645+92.0	77.1 LT	22.03	5.5	0		RAILROAD		
F22	P22-1				60.0				1652+30.0	28.6 RT	30.23	1652+30.0	31.4 LT	29.38	1.4	2	X			
TOTAL LENGTH		306.0	778.0	1,228.0	1,732.0	96.0	210.0	34.0											1,716.0	
TOTAL END SECTIONS		0	30	44	41	2	0	0												

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SUMMARY TABLES

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-D01.DWG

DATE/TIME 2/3/2019 1:58 PM

LAYOUT

D5

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	D5	D7

501.2007.0000, 602.2002.0000, 602.2012.0700, 602.2012.0900, 603.2004.C048																
PIPE SUMMARY (STREAM REALIGNMENT CULVERTS)																
SHEET	PIPE	PAY LENGTH (LF)					STATION RANGE					SLOPE (%)	HEADWALL		REMARKS	
		ASPP 7' DIA	ASPP 9' DIA	CB 7'0"x5'0"	HDPE 48" DIA	CB 6'0"x3'0"	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT	TYPE I	TYPE II		
F3 & E7	P3-2	60.0					1411+28.9	134.3 RT	57.55	1411+85.2	154.9 RT	56.92	1.0	2	-	BEAR CREEK REALIGNMENT AT AURIGA ROAD
F3 & E9	P3-3		68.0				1414+81.9	142.0 RT	49.40	1414+33.8	93.9 RT	45.80	5.3	-	2	BEAR CREEK REALIGNMENT AT SEWARD HWY (PATHWAY)
F3 & E9	P3-4		128.0				1414+25.0	62.1 RT	44.50	1414+25.0	65.9 LT	37.74	5.3	-	2	BEAR CREEK REALIGNMENT AT SEWARD HWY (ROADWAY)
F16 & E12	P16-1			50.0			1571+36.0	120.3 RT	36.67	1571+54.1	73.8 RT	34.16	5.0	-	-	SUBDIVISION CREEK REALIGNMENT (FRONTAGE ROAD)
F16 & E12	P16-2				100.0		1572+54.6	56.6 RT	34.23	1572+90.4	36.6 LT	28.47	5.8	-	2	SUBDIVISION CREEK REALIGNMENT (ROADWAY)
F16 & E12	P16-3					60.0	1572+94.3	47.7 LT	25.39	1572+99.8	107.5 LT	24.85	0.9	-	-	SUBDIVISION CREEK REALIGNMENT (RAILROAD)
TOTAL		60.0	196.0	50.0	100.0	60.0								2	6	

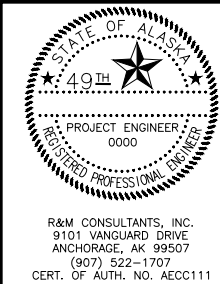
606.0001.0000, 606.0013.0000, 606.0016.0000									
GUARDRAIL SUMMARY									
SHEET	STATION RANGE			OFFSET	GUARDRAIL LENGTH (LF)	PARALLEL GUARDRAIL TERMINAL (50' LENGTH)	TRANSITION RAIL (18.75' LENGTH)	REMARKS	
F1	1385+05.00	T0	1387+56.00	LT	150.00	2	0		
F3-F4	1410+50.00	T0	1418+75.00	LT	725.00	2	0		
F3-F4	1413+00.00	T0	1418+00.00	RT	400.00	2	0		
F6-F7	1452+23.25	T0	1463+33.62	RT	1,062.50	1	0	BIRD CREEK BRIDGE. INSTALL BACKING BOARD	
F6-F7	1455+70.20	T0	1463+33.62	LT	712.50	1	0	BIRD CREEK BRIDGE. INSTALL BACKING BOARD	
F7	1465+73.66	T0	1467+23.41	RT	100.00	1	0	BIRD CREEK BRIDGE	
F7-F8	1465+73.66	T0	1470+97.37	LT	475.00	1	0	BIRD CREEK BRIDGE	
F13	1538+43.49	T0	1540+36.14	RT	125.00	1	1	INDIAN CREEK BRIDGE	
F13	1539+82.65	T0	1540+51.69	LT	0.00	1	1	INDIAN CREEK BRIDGE	
F13	1542+84.79	T0	1544+52.48	RT	100.00	1	1	INDIAN CREEK BRIDGE	
F13	1543+02.86	T0	1545+22.56	LT	150.00	1	1	INDIAN CREEK BRIDGE	
F14-F17	1552+25.00	T0	1588+64.93	LT	3,525.00	2	0		
F20-F22	1589+75.00	T0	1658+50.00	LT	6,850.00	1	0		
TOTAL					14,375.00	17	4		
ROUNDED TOTAL					14,400	17	4		

606.0006.0000					
REMOVING AND DISPOSING OF GUARDRAIL					
SHEET	STATION RANGE		OFFSET	LENGTH (LF)	
F1	1385+05	T0	1387+60	LT	253
F3	1410+58	T0	1416+12	LT	553
F3	1413+88	T0	1416+79	RT	291
F6-F7	1452+05	T0	1463+34	RT	1,131
F6-F7	1455+81	T0	1463+34	LT	752
F7	1465+74	T0	1467+26	RT	152
F7-F8	1465+74	T0	1470+88	LT	515
F13	1539+39	T0	1540+91	RT	154
F13	1540+12	T0	1540+90	LT	78
F13	1542+53	T0	1544+92	RT	239
F13	1542+54	T0	1545+32	LT	277
F13-F14	1545+49	T0	1547+22	RT	175
F14-F17	1552+51	T0	1588+80	LT	3,614
F17-F20	1589+83	T0	1632+71	LT	4,313
F20-F22	1633+20	T0	1658+50	LT	2,539
TOTAL					15,036
ROUNDED TOTAL					15,100

607.0003.0000					
CHAIN LINK FENCE					
SHEET	STATION RANGE			OFFSET	LENGTH (LF)
F6-F7	1455+74	T0	1463+37	LT	764
F13	1536+61	T0	1543+02	LT	640
F18-F19	1608+51	T0	1614+35	LT	630
TOTAL					2,034
ROUNDED TOTAL					2,050

609.0002.0001					
CURB AND GUTTER, TYPE 1					
SHEET	STATION RANGE		OFFSET	LENGTH (LF)	
F5	1430+50.57	T0	1431+36.75	RT	128
F5	1431+65.97	T0	1432+57.63	RT	146
F13	1538+52.85	T0	1538+85.13	LT	38
F13	1538+84.19	T0	1540+11.01	LT	125
TOTAL					437
ROUNDED TOTAL					440

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SUMMARY TABLES

FILE [Z]:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105 CIVIL\ACAD\SEWARD HWY\2129.01-DOT.DWG DATE/TIME 2/3/2019 1:59 PM D6 LAYOUT DESIGNED CHECKED DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	D6	D7

610.0002.0000							
DITCH LINING							
SHEET	STATION RANGE			OFFSET	VOLUME (CY)	WEIGHT (TON)	REMARKS
F3	1412+87	TO	1414+20	RT	28.66	42.55	DITCH LINING
F3	1413+89	TO	1414+82	RT	19.68	29.22	DITCH LINING
F3	1414+30	TO	1414+93	RT	18.79	27.90	DITCH LINING
F3	1415+09	TO	1415+15	RT	4.38	6.50	DITCH LINING
F3-F4	1415+15	TO	1418+00	RT	60.52	89.87	DITCH LINING
F13	1538+15	TO	1540+96	RT	312.99	464.80	DITCH/FILLSLOPE LINING
F13	1540+18	TO	1541+50	LT	32.70	48.56	DITCH LINING
F13	1540+49	TO	1540+92	LT/RT	132.34	196.53	INDIAN CREEK BRIDGE ABUTMENT 1
F13	1542+23	TO	1543+02	LT/RT	230.36	342.08	INDIAN CREEK BRIDGE ABUTMENT 4
F13	1545+18	TO	1545+50	RT	18.19	27.01	DITCH LINING
F14	1549+87	TO	1550+32	RT	14.06	20.88	DITCH LINING
F14	1550+32	TO	1550+45	RT	18.41	27.34	DITCH LINING
F14	1550+80	TO	1551+27	RT	65.11	96.68	DITCH LINING
F17	1585+15	TO	1585+75	RT	43.15	64.08	DITCH LINING
TOTAL					999.33	1,484.01	
ROUNDED TOTAL						1,500.00	

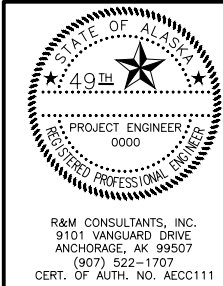
631.0002.0001					
GEOTEXTILE, EROSION CONTROL, CLASS 1					
SHEET	STATION RANGE			AREA (SY)	REMARKS
F1	1386+20			40.00	P1-1 ENERGY DISSIPATER
F3	1412+87	TO	1414+20	113.71	DITCH LINING
F3	1413+89	TO	1414+82	78.09	DITCH LINING
F3	1414+30	TO	1414+93	74.55	DITCH LINING
F3	1415+09	TO	1415+15	17.38	DITCH LINING
F3-F4	1415+15	TO	1418+00	240.15	DITCH LINING
F5	1433+00			40.00	P5-1 ENERGY DISSIPATER
F13	1538+15	TO	1540+96	1,173.73	DITCH/FILLSLOPE LINING
F13	1540+18	TO	1541+50	122.64	DITCH LINING
F13	1544+47	TO	1544+84	99.21	ROCK FLUME AT OLD JOHN'S RD
F13	1545+18	TO	1545+50	72.18	DITCH LINING
F14	1549+87	TO	1550+32	57.52	DITCH LINING
F14	1550+32	TO	1550+45	75.32	DITCH LINING
F14	1550+80	TO	1551+27	266.35	DITCH LINING
F14	1552+59			40.00	P14-6 ENERGY DISSIPATER
F15	1563+87			40.00	P15-2 ENERGY DISSIPATER
F16	1578+00			40.00	P16-5 ENERGY DISSIPATER
F17	1585+15	TO	1585+75	51.10	DITCH LINING
F17	1585+25			21.69	P17-1 ENERGY DISSIPATER
F17	1589+90			26.67	P17-5 ENERGY DISSIPATER
F17	1591+55			29.33	P17-8 ENERGY DISSIPATER
F17	1594+55			27.56	P17-9 ENERGY DISSIPATER
F19	1613+65			40.00	P19-1 ENERGY DISSIPATER
F20	1625+60			29.33	P20-1 ENERGY DISSIPATER
F21				29.33	P21-1 ENERGY DISSIPATER
F21	1642+85			29.33	P21-2 ENERGY DISSIPATER
F21	1645+92			26.13	P21-3 ENERGY DISSIPATER
TOTAL				2,901.30	
ROUNDED TOTAL				2,950	

611.0002.0001, 611.0002.0002								
RIPRAP SUMMARY								
SHEET	STATION RANGE			RIPRAP, CLASS I		RIPRAP, CLASS II		REMARKS
				VOLUME (CY)	WEIGHT (TON)	VOLUME (CY)	WEIGHT (TON)	
F1	1386+20			19.11	27.86			P1-1 ENERGY DISSIPATER
F3 & E7	1408+59	TO	1412+08	144.31	210.40			BEAR CREEK REALIGNMENT AT AURIGA RD
F3 & E9	1415+22	TO	1414+25	48.34	70.48	247.19	360.40	BEAR CREEK REALIGNMENT AT SEWARD HWY
F5	1433+00			19.11	27.86			P5-1 ENERGY DISSIPATER
F13 & N6	1540+51	TO	1541+60			1,226.66	1,788.47	INDIAN CREEK BRIDGE ABUTMENT 1
F13 & N7	1542+25	TO	1543+03			551.38	803.91	INDIAN CREEK BRIDGE ABUTMENT 4
F13	1544+47	TO	1544+84	77.55	113.07			ROCK FLUME AT OLD JOHN'S RD
F14	1552+59			19.11	27.86			P14-6 ENERGY DISSIPATER
F15	1563+87			19.11	27.86			P15-2 ENERGY DISSIPATER
F16 & E12	1571+39	TO	1573+00	111.47	162.52	32.89	47.95	SUBDIVISION CREEK REALIGNMENT
F16	1578+00			19.11	27.86			P16-5 ENERGY DISSIPATER
F17	1585+25			8.18	11.93			P17-1 ENERGY DISSIPATER
F17	1589+90			10.67	15.56			P17-5 ENERGY DISSIPATER
F17	1591+55			13.78	20.09			P17-8 ENERGY DISSIPATER
F17	1594+55			11.11	16.20			P17-9 ENERGY DISSIPATER
F19	1613+65			19.11	27.86			P19-1 ENERGY DISSIPATER
F20	1625+60			13.78	20.09			P20-1 ENERGY DISSIPATER
F21	1641+40			13.78	20.09			P21-1 ENERGY DISSIPATER
F21	1642+85			13.78	20.09			P21-2 ENERGY DISSIPATER
F21	1645+92			10.40	15.16			P21-3 ENERGY DISSIPATER
TOTAL				591.81	862.84	2,058.12	3,000.73	
ROUNDED TOTAL					870		3,050	

630.0002.0001					
GEOTEXTILE, STABILIZATION, CLASS 1					
SHEET	STATION RANGE			AREA (SY)	REMARKS
F23	100+00	TO	106+17	2,288	BEAR CREEK PATHWAY
TOTAL				2,288	
ROUNDED TOTAL				2,300	

690.2004.0000					
WATERWAY RESTORATION, STREAM REALIGNMENT					
SHEET	STATION RANGE			LENGTH (LF)	REMARKS
F3 & E7	1408+59	TO	1412+08	384.0	BEAR CREEK REALIGNMENT AT AURIGA RD
F3 & E9	1415+22	TO	1414+25	309.0	BEAR CREEK REALIGNMENT AT SEWARD HWY
F16 & E12	1571+39	TO	1573+00	376.0	SUBDIVISION CREEK REALIGNMENT
TOTAL				1,069.0	
ROUNDED TOTAL				1,100	

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

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IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SUMMARY TABLES

FILE [Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105 CIVIL\ACAD\SEWARD HWY 2129.01-DOT.DWG] DATE/TIME 2/3/2019 1:59 PM LAYOUT D7 DESIGNED CHECKED DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A31056/CFHWY00011 0001497/Z570880000	2019	D7	D7

639.2000.0000

APPROACH SUMMARY

SHEET	REFERENCE ALIGNMENT	STATION	OFFSET	WIDTH	LENGTH	RETURN RADIUS INFORMATION						SKEW	TYPE	REMARKS
						APPROACH CL LEFT RETURN			APPROACH CL RIGHT RETURN					
						RADIUS	NORTHING	EASTING	RADIUS	NORTHING	EASTING			
F1	SEWARD	1387+82.00	RT	18'	75'	40'	247361.36	429115.81	40'	247292.96	429188.85	11°52'5"	RESIDENTIAL	
F1	SEWARD	1389+47.00	RT	14'	45'	20'	247449.69	428984.77	20'	247414.56	429025.78	0°0'0"	RESIDENTIAL	
F2	SEWARD	1398+86.00	RT	24'	65'	40'	248091.30	428265.03	40'	248023.72	428344.08	0°0'0"	PUBLIC	WHISPERING BIRD LANE
F2	SEWARD	1401+50.00	RT	14'	50'	20'	248227.21	428075.28	20'	248191.61	428116.92	9°42'57"	RESIDENTIAL	
F2	SEWARD	1401+55.00	LT	14'	45'	20'	248138.81	428055.57	20'	248173.94	428014.47	0°0'0"	RESIDENTIAL	
F3	SEWARD	1405+48.00	RT	20'	42'	20'	248491.98	427765.57	20'	248452.99	427811.18	0°0'0"	RESIDENTIAL	
F3 & F33	SEWARD	1412+50.00	RT	24'	20'	40'	248973.71	427232.86	40'	248894.65	427325.34	0°0'0"	PUBLIC	AURIGA ROAD
F4 & F33	SEWARD	1418+70.00	RT	24'	250'	40'	249385.23	426761.02	40'	249316.43	426839.03	0°0'0"	PUBLIC	KONIKSON ROAD
F4	KONIKSON	1+22.00	LT	14'	155'	20'	249394.13	426794.94	20'	249435.17	426830.03	0°0'0"	RESIDENTIAL	
F4 & G2	KONIKSON	1+31.00	RT	28'	155'	20'	249405.75	426889.07	20'	249354.06	426844.89	0°0'0"	RESIDENTIAL	BIRD HOUSE GARAGE
F4	SEWARD	1424+94.00	RT	14'	90'	20'	249760.63	426293.90	20'	249725.55	426334.94	0°0'0"	RESIDENTIAL	
F4	SEWARD	1426+10.00	RT	38'	75'	40'	249872.01	426194.40	40'	249795.33	426284.09	0°0'0"	PUBLIC	BIRD MOTEL & RV PARK
F4	SEWARD	1428+86.00	LT	36'	90'	40'	249868.06	425989.73	40'	249943.38	425901.51	0°0'0"	PUBLIC	BIRD CREEK CAMPGROUND
F4 & F34	SEWARD	1428+86.00	RT	28'	470'	40'	250068.70	425982.34	50'	249967.33	426098.28	0°0'0"	PUBLIC	SAWMILL ROAD
F4	SAWMILL	1+36.71	LT	34'	77'	40'	250068.70	425982.34	40'	250143.66	426070.10	0°0'0"	PUBLIC	ESSENTIAL ONE GAS STATION
F4	SAWMILL	1+45.00	RT	34'	87'	40'	250079.78	426157.58	50'	249967.33	426098.28	0°0'0"	PUBLIC	BIRD MOTEL & RV PARK
F4	SAWMILL	3+35.00	LT	34'	60'	40'	250207.73	426124.87	40'	250293.04	426200.52	0°0'0"	PUBLIC	ESSENTIAL ONE GAS STATION
F5	SEWARD	1431+80.00	RT	28'	95'	70'	250260.65	425771.28	40'	250158.85	425865.43	14°59'60"	PUBLIC	ESSENTIAL ONE GAS STATION
F5	SEWARD	1435+35.00	RT	24'	120'	40'	250434.84	425476.12	40'	250375.00	425563.49	10°59'37"	PUBLIC	STELLER'S JAY LANE
F5 & F35	SEWARD	1439+01.00	RT	24'	20'	25'	250620.69	425148.02	40'	250586.97	425236.29	0°0'0"	PUBLIC	EL-ROCKO LANE
F6	SEWARD	1445+40.00	RT	24'	65'	40'	250922.67	424572.17	40'	250879.99	424667.01	0°0'0"	PUBLIC	BUSHNELL ROAD
F6	SEWARD	1451+62.00	RT	40'	65'	40'	251146.15	423976.52	40'	251109.05	424090.64	0°0'0"	PUBLIC	CHUGACH STATE PARK BIRD CREEK PARKING LOT
F8	SEWARD	1473+00.00	RT	36'	80'	40'	251624.48	421899.20	40'	251591.78	422010.66	0°0'0"	PUBLIC	CHUGACH STATE PARK BIRD CREEK PARKING LOT
F10	SEWARD	1497+91.00	RT	22'	65'	40'	253453.89	420372.94	40'	253372.72	420434.71	0°0'0"	PUBLIC	CHUGACH STATE PARK BIRD RIDGE TRAILHEAD
F12	SEWARD	1532+98.00	RT	24'	75'	40'	255611.60	417589.36	40'	255563.98	417681.81	0°0'0"	PUBLIC	VALLEY BIBLE CHALET
F13	SEWARD	1535+00.00	RT	34'	65'	40'	255701.24	417399.86	40'	255653.56	417503.41	0°0'0"	PUBLIC	
F13 & F36	SEWARD	1537+80.00	LT	24'	318'	40'	255657.46	417195.58	40'	255695.12	417098.63	0°0'0"	PUBLIC	CHUGACH STATE PARK INDIAN CREEK PARKING LOT
F13	SEWARD	1537+80.00	RT	30'	75'	40'	255808.04	417139.27	40'	255768.21	417241.81	0°0'0"	PUBLIC	DIAMOND JIM'S / BROWN BEAR SALOON & MOTEL
F13 & F37	SEWARD	1545+23.00	RT	24'	130'	40'	256022.49	416423.53	40'	255999.05	416526.29	0°0'0"	PUBLIC	OLD JOHN'S ROAD
F14 & F37	SEWARD	1547+80.00	RT	24'	160'	40'	256070.90	416164.56	40'	256053.52	416267.11	0°0'0"	PUBLIC	TURNAGAIN ARM PIT
F14 & F38	SEWARD	1550+44.00	RT	24'	420'	40'	256113.06	415891.60	40'	256097.87	415995.60	-8°18'21"	PUBLIC	BORETIDE ROAD
F14 & G4	BORETIDE	1+40.00	RT	24'	52'	40'	256220.66	415995.60	40'	256116.66	415995.60	0°0'0"	PUBLIC	TURNAGAIN ARM PIT
F14 & G4	BORETIDE	3+15.00	RT	24'	52'	40'	256395.66	415995.60	40'	256291.66	415995.60	0°0'0"	PUBLIC	TURNAGAIN ARM PIT
F15	SEWARD	1569+07.00	RT	34'	70'	40'	256439.26	414070.91	40'	256413.78	414182.03	0°0'0"	PUBLIC	INDIAN HOUSE
F16	SEWARD	1573+10.00	RT	24'	70'	40'	256526.93	413681.90	40'	256505.16	413783.60	0°0'0"	PUBLIC	FROTH & FORAGE
F17	SEWARD	1588+95.00	RT	23'	120'	-			19'	256214.23	412238.59	0°0'0"	PUBLIC	INDIAN ROAD
F17	SEWARD	1588+97.00	LT	20'	46'	20'	256131.92	412257.88	20'	256097.14	412208.99	0°0'0"	PUBLIC	ARRC SERVICE DRIVEWAY APRON
F17	SEWARD	1590+90.00	RT	14'	70'	-			20'	256082.23	412060.07	0°0'0"	RESIDENTIAL	
F17	SEWARD	1595+15.00	RT	18'	60'	13'	255768.00	411680.65	-	-	-	0°0'0"	PUBLIC	INDIAN VALLEY MINE
F18	SEWARD	1597+01.00	RT	-	44'	40'	255657.63	411500.38	20'	255699.72	411584.60	0°0'0"	PUBLIC	INDIAN VALLEY MINE
F19	SEWARD	1610+00.00	LT	-	50'	-			-	-	-	0°0'0"	PUBLIC	PULLOUT
F19	SEWARD	1620+20.00	RT	26'	35'	-			-	-	-	0°0'0"	PUBLIC	PULLOUT
F21	SEWARD	1644+50.00	RT	40'	41'	20'	255015.76	407040.08	20'	255006.09	407119.50	0°0'0"	PUBLIC	PULLOUT
TOTAL		43												

PS&E REVIEW FEBRUARY 2019



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100–105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SUMMARY TABLES