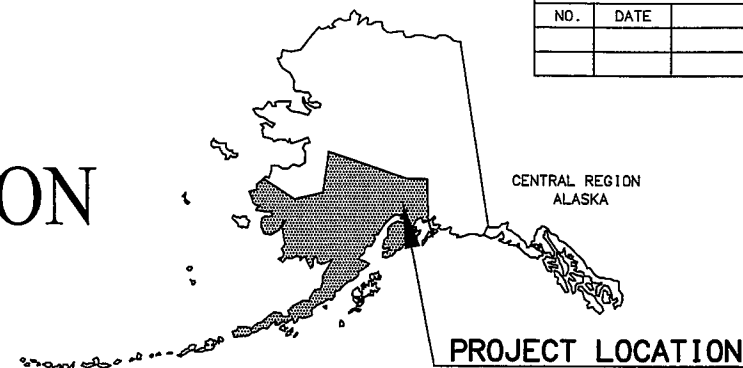


STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

CENTRAL REGION GUARDRAIL END TREATMENT UPGRADE STPG-000S(468)/56633



REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STPG-000S(468)/56633	2010	A1	9
ROUTE: SEE PROJECT SUMMARY				

INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
C1	ESTIMATE OF QUANTITIES
D1 TO D2	PARKS HWY. SUMMARY SHEETS
D3	GLENN HWY. SUMMARY SHEETS
F1 TO F2	PARKS HWY. PLAN SHEETS
F3 TO F4	GLENN HWY. PLAN SHEETS

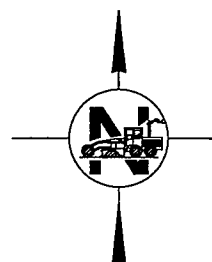
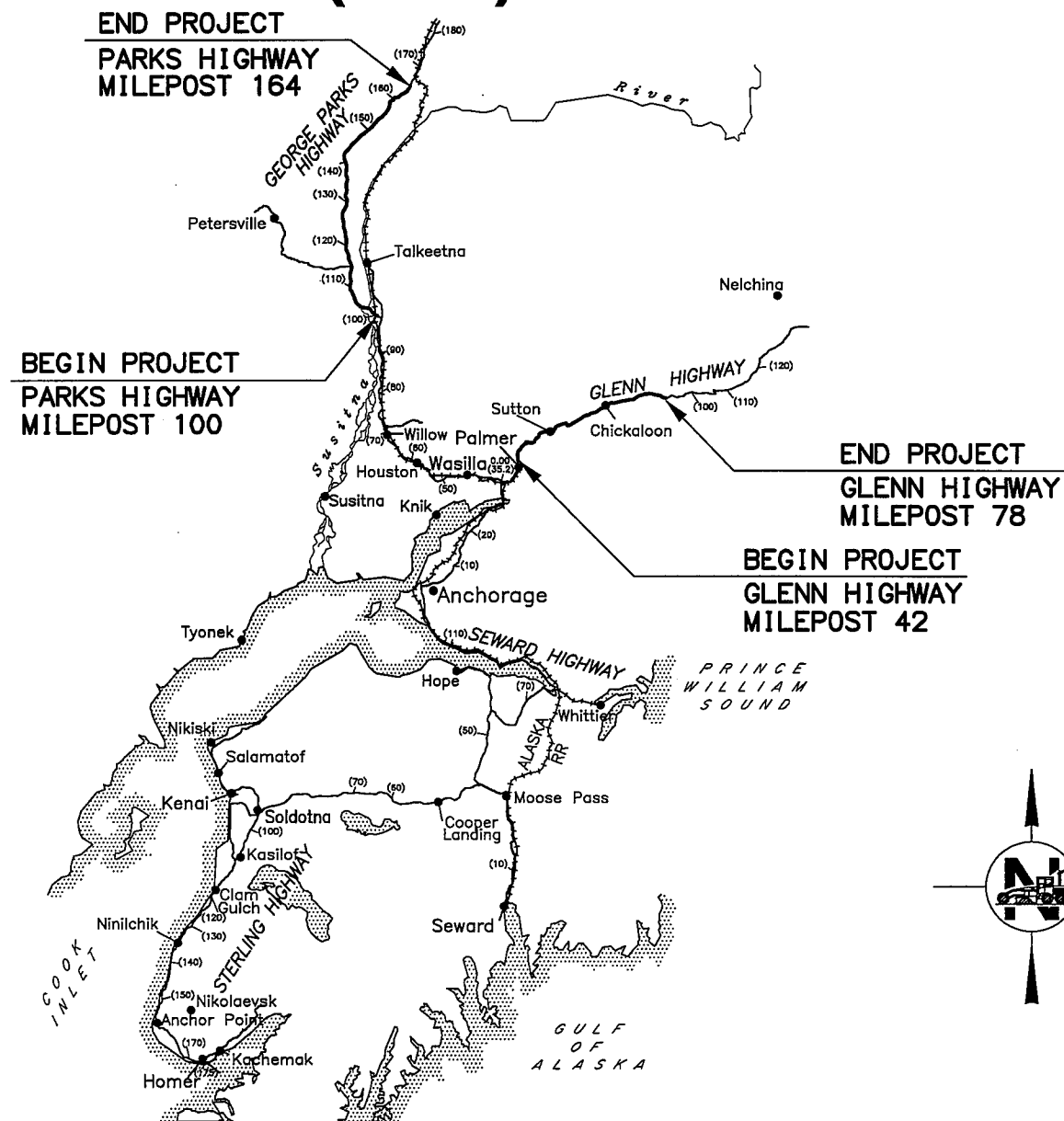
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THE FOLLOWING STANDARD DRAWINGS
APPLY TO THIS PROJECT:

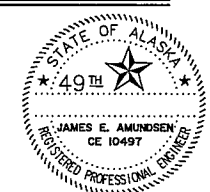
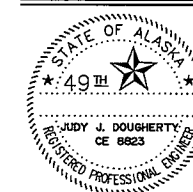
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G-00.01, G-04.06S, G-04.07W, G-10.01, G-20.10,
G-28.00
S-01.00, S-05.01, S-20.10, S-30.03
T-06.00

PROJECT SUMMARY			
ROADWAY	LENGTH (MI.)	BEGIN	END
PARKS HIGHWAY	64	MP 100	MP 164
GLENN HIGHWAY	36	MP 42	MP 78

NOTE:
ALL DIMENSIONS ARE ENGLISH. DIMENSIONS ARE SHOWN
IN FEET UNLESS OTHERWISE NOTED.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES



APPROVED:

REGIONAL PRE-CONSTRUCTION ENGINEER DATE
CONCUR:

DIRECTOR, DESIGN AND CONSTRUCTION DATE
CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

CONSTRUCTION PROJECT MANAGER DATE

DRAWING LOCATION
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DRAWING LOCATION
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DATE TIME
LAYOUT C1
SCALE 1:1
XREFS NONE
DESIGNED BY
CHECKED BY
DRAFTED BY

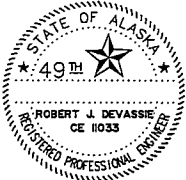
ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
606(1)	W-BEAM GUARDRAIL	L.F.	9,313
606(6)	REMOVING AND DISPOSING OF GUARDRAIL	L.F.	5,200
606(13)	PARALLEL GUARDRAIL TERMINAL	EACH	130
640(1)	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D
640(4)	WORKER MEALS AND LODGING, OR PER DIEM	L.S.	ALL REQ'D
641(1)	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQ'D
641(2)	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	C.S.	ALL REQ'D
641(5)	EROSION, SEDIMENT, AND POLLUTION CONTROL PRICE ADJUSTMENT	C.S.	ALL REQ'D
643(2)	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D
643(15)	FLAGGING	C.S.	ALL REQ'D
643(25)	TRAFFIC CONTROL	C.S.	ALL REQ'D
646(1)	CPM SCHEDULING	L.S.	ALL REQ'D
647(6)	BACKHOE, 4WD, 1 CY BUCKET, 75 HP MIN, 15 FT DEPTH	hour	70

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STPG-000S(468)/56633	2010	C1	C1

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GUARDRAIL NOTES:

1. END TERMINAL LOCATIONS AS CALLED OUT IN THE SUMMARY TABLES ARE APPROXIMATE AND REPRESENT LOCATIONS FOR ITEM 606(13) PARALLEL GUARDRAIL TERMINAL PAY ITEM AND ITEM 606(1) W-BEAM GUARDRAIL. PARALLEL GUARDRAIL TERMINALS ARE TO REPLACE BREAK AWAY CABLE TERMINALS (BCT'S).
2. ITEM 606(1) W-BEAM GUARDRAIL SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER TO REPAIR DAMAGED W-BEAM GUARDRAIL IMMEDIATELY ADJACENT TO THE PARALLEL GUARDRAIL TERMINAL TO MAKE PROPER TRANSITION TO NEW W-BEAM GUARDRAIL AND END TERMINALS. MISSING OR DAMAGED POSTS MUST BE REPLACED SUBSIDIARY TO THE 606(1) ITEM. MATCH EXISTING TYPE OF POSTS WHEN MAKING REPAIR. STAKE LOCATIONS FOR ITEM 606(1) IN-THE-FIELD AND GET APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
3. ITEM 606(6) REMOVING AND DISPOSING OF GUARDRAIL SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER TO REMOVE EXISTING BCT'S AND DAMAGED W-BEAM GUARDRAIL (SEE NOTE #2 ABOVE). STAKE LOCATIONS FOR ITEM 606(6) IN-THE-FIELD AND GET APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
4. BACKFILL POSTHOLES WHEN REMOVING AND DISPOSING OF GUARDRAIL. BACKFILL POSTHOLES ACCORDING TO STANDARD SPECIFICATION 203-3.03. DENSITY TESTING MAY BE WAIVED AT THE DISCRETION OF THE ENGINEER. USE SELECTED MATERIAL TYPE A. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE SUBSIDIARY TO THE 606(6) REMOVING AND DISPOSING OF GUARDRAIL PAY ITEM.
5. IN LOCATIONS WHERE GUARDRAIL AND GUARDRAIL TERMINALS WILL BE INSTALLED, GRADE THE EXISTING SURFACE TO BE SMOOTH AND FREE DRAINING AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR WITH THE 647(6) PAY ITEM.
6. FLARE THE END OF THE PARALLEL GUARDRAIL TERMINAL 2-FEET WHEN EXISTING ROADWAY WIDTH PERMITS. MAINTAIN FLARE RATE OVER THE FULL LENGTH OF THE TERMINAL (50- FEET; OR 1.5- FEET FLARE FOR A 37.5- FEET TERTMINAL WHERE NECESSARY) REFERENCED FROM THE FACE OF THE W-BEAM RAIL. MAINTAIN 6-INCHES MINIMUM BETWEEN THE BACK OF ALL GUARDRAIL POSTS AND THE ROADWAY HINGE POINT. CONSTRUCTION OF THE FLARE SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE SUBSIDIARY TO THE 606(13) PAY ITEM.
7. LENGTH OF NEED SHALL BE APPROVED BY THE ENGINEER.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

CENTRAL REGION GUARDRAIL
END TREATMENT UPGRADE

ESTIMATE OF QUANTITIES

DRAWING LOCATION
W:\Staff\Engineering\Of the Land Projects 2004\Robert\Sum.Gd rail.dwg 08/05/2010 8:47:34 AM ADT
DESIGNED BY
CHECKED BY
DRAFTED BY
XREF'S
NONE
SCALE
1:1
LAYOUT
D1

606(1), 606(13)				
PARKS HWY. NORTH BOUND				
MILE POST/ MILEPOINT	ENDS TO REPLACE 606(13)	LOCATION LEAD/TRAIL (MILEPOINT)	LENGTH OF NEED* LEAD W-BEAM 606(1) (FT.)	LENGTH OF NEED* TRAIL W-BEAM 606(1) (FT.)
104 / 68.804				
	2	68.954 / 69.386	92.5	137.5
105 / 69.951				
	2	70.581 / 70.711	300	137.5
106 / 70.921				
109 / 73.891				
	2	74.576 / 74.666	132.5	27.5
110 / 74.976				
115 / 80.011				
	1	- / 80.766		Replace End
116 / 80.921				
117 / 82.081				
	2	82.496 / 82.591	52.5	Replace End
118 / 83.096				
119 / 84.081				
	2	84.421 / 84.466	210	87.5
120 / 85.086				
	1	86.091 / -	110	
121 / 86.116				
	1	- / 86.181		Replace End
122 / 87.136				
123 / 88.151				
	2	89.081 / 89.161	110	Replace End
124 / 89.166				
	2	89.666 / 89.756	200	Replace End
125 / 90.186				
	2	91.116 / 91.206	60	Replace End
126 / 91.216				
	2	92.151 / 92.221	240	97.5
127 / 92.221				
	2	93.636 / 93.751	140	Replace End
131 / 96.191				
	1	97.131 / -	215	
132 / 97.206				
	1	- / 97.341		97.5
	2	97.601 / 97.796	250	Replace End
	1	97.876 / -	70	
133 / 98.201				

* AT FLARE POINT OF EXISTING

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STPG-000S(468)/56633	2010	D1	D3

606(1), 606(13)				
PARKS HWY. NORTH BOUND				
MILE POST/ MILEPOINT	ENDS TO REPLACE 606(13)	LOCATION LEAD/TRAIL (MILEPOINT)	LENGTH OF NEED* LEAD W-BEAM 606(1) (FT.)	LENGTH OF NEED* TRAIL W-BEAM 606(1) (FT.)
135 / 100.216				
	2	100.911 / 101.121	Replace End	Replace End
136 / 101.191				
	2	101.201 / 101.336	Replace End	Replace End
137 / 102.231				
139 / 104.271				
	2	105.156 / 105.311	70	Replace End
140 / 105.321				
159 / 124.486				
	1	125.056 / -	Replace End	
161 / 126.371				
	2	126.531 / 126.811	Replace End	Replace End
162 / 127.376				
163 / 128.386				
	2	128.531 / 128.761	Replace End	Replace End

* AT FLARE POINT OF EXISTING

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

CENTRAL REGION GUARDRAIL
END TREATMENT UPGRADE

SUMMARY SHEET

DRAWING LOCATION
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LAYOUT D2
SCALE 1:1
XREF'S NONE
DESIGNED BY
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DATE
TIME
OF

606(1), 606(13)				
PARKS HWY. SOUTH BOUND				
MILE POST/ MILEPOINT	ENDS TO REPLACE 606(13)	LOCATION LEAD/TRAIL (MILEPOINT)	LENGTH OF NEED* LEAD W-BEAM 606(1) (FT.)	LENGTH OF NEED* TRAIL W-BEAM 606(1) (FT.)
164 / 129.183				
	2	128.548 / 128.363	Replace End	Replace End
163 / 128.198				
	1	- / 127.393		Replace End
162 / 127.193				
	2	126.608 / 126.353	10	Replace End
	1	126.263 / -	Replace End	
161 / 126.188				
	1	- / 125.973		Replace End
160 / 125.183				
	2	125.053 / 124.883	40	Replace End
159 / 124.303				
140 / 105.148				
	2	105.133 / 104.953	Replace End	Replace End
139 / 104.103				
137 / 102.065				
	1	- / 101.165	Replace End	
136 / 101.040				
	1	100.775 / -		Replace End
135 / 100.060				
	2	100.140 / 99.960	Replace End	62.5
	2	99.425 / 99.325	Replace End	Replace End
	1	99.155 / -	Replace End	
134 / 99.050				
	1	- / 98.73		Replace End
	2	98.540 / 98.260	110	Replace End
133 / 98.045				
	1	- / 97.73		Replace End
	1	97.165 / -	25	
132 / 97.045				
	1	- / 96.95		Replace End
131 / 96.030				
129 / 94.020				
	2	93.585 / 93.480	115	Replace End
127 / 92.065				
	2	92.050 / 91.985	255	27.5
126 / 91.055				
	2	91.050 / 90.965	90	Replace End
	2	90.755 / 90.685	175	Replace End
125 / 90.030				
	2	89.605 / 89.515	150	Replace End

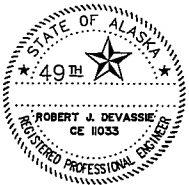
* AT FLARE POINT OF EXISTING

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STPG-000S(468)/56633	2010	D2	D3

606(1), 606(13)				
PARKS HWY. SOUTH BOUND				
MILE POST/ MILEPOINT	ENDS TO REPLACE 606(13)	LOCATION LEAD/TRAIL (MILEPOINT)	LENGTH OF NEED* LEAD W-BEAM 606(1) (FT.)	LENGTH OF NEED* TRAIL W-BEAM 606(1) (FT.)
124 / 89.015				
	2	89.005 / 89.940	120	Replace End
122 / 86.989				
	1	86.026 / -	120	
121 / 85.971				
	1	- / 85.946		Replace End
120 / 84.941				
	2	84.313 / 84.283	250	137.5
118 / 82.953				
	2	82.453 / 82.358	82.5	Replace End
116 / 80.788				
	2	80.623 / 80.353	262.5	35
115 / 79.873				
113 / 77.878				
	2	77.563 / 77.478	75	Replace End
110 / 74.843				
	2	74.533 / 74.453	172.5	47.5
106 / 70.793				
	2	70.578 / 70.443	300	137.5
105 / 69.823				
	2	69.245 / 68.838	312.5	Replace End
101 / 65.708				
	1	65.143 / -	Replace End	
100 / 64.718				

* AT FLARE POINT OF EXISTING

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

CENTRAL REGION GUARDRAIL
END TREATMENT UPGRADE

SUMMARY SHEET

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606(1), 606(13)				
GLENN HWY. NORTH BOUND				
MILE POST/ MILEPOINT	ENDS TO REPLACE 606(13)	LOCATION LEAD/TRAIL (MILEPOINT)	LENGTH OF NEED* LEAD W-BEAM 606(1) (FT.)	LENGTH OF NEED* TRAIL W-BEAM 606(1) (FT.)
42 / 40.915				
	2	41.505 / 41.585	50	Replace End
49 / 41.905				
	2	42.115 / 42.155	287.5	Replace End
	2	42.375 / 42.440	300	Replace End
	2	42.490 / 42.525	262.5	Replace End
	2	42.600 / 42.760	100	Replace End
50 / 42.940				
51 / 44.095				
	2	44.240 / 44.435	215	113
52 / 44.835				
53 / 45.885				
	2	46.770 / 46.820	287.5	137.5
	2	47.015 / 47.020	112.5	5
54 / 47.030				
	2	47.125 / 47.215	30	50
	1	47.250 / -	75	
	1	47.895 / -	Replace End	
55 / 47.900				
66 / 58.985				
	2	59.760 / 59.855	100	Replace End
67 / 60.035				
68 / 61.035				
	2	61.622 / 61.658	200	Replace End
	1	61.717 / -	50	
	2	62.058 / 62.172	162.5	Replace End
70 / 63.172				
75 / 68.328				
	1	68.422 / -	145	
76 / 68.922				
	1	- / 69.149		Replace End
77 / 69.669				
	2	69.844 / 70.014	62.5	137.5
78 / 70.939				

* AT FLARE POINT OF EXISTING

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STPG-000S(468)/56633	2010	D3	D3

606(1), 606(13)				
GLENN HWY. SOUTH BOUND				
MILE POST/ MILEPOINT	ENDS TO REPLACE 606(13)	LOCATION LEAD/TRAIL (MILEPOINT)	LENGTH OF NEED* LEAD W-BEAM 606(1) (FT.)	LENGTH OF NEED* TRAIL W-BEAM 606(1) (FT.)
55 / 47.896				
	2	47.676 / 47.611	117.5	77.5
54 / 47.021				
52 / 44.836				
	2	44.431 / 44.231	172.5	112.5
51 / 44.096				
49 / 41.906				
	2	41.546 / 41.481	Replace End	Replace End
	1	41.121 / -	Replace End	
42 / 40.916				

* AT FLARE POINT OF EXISTING

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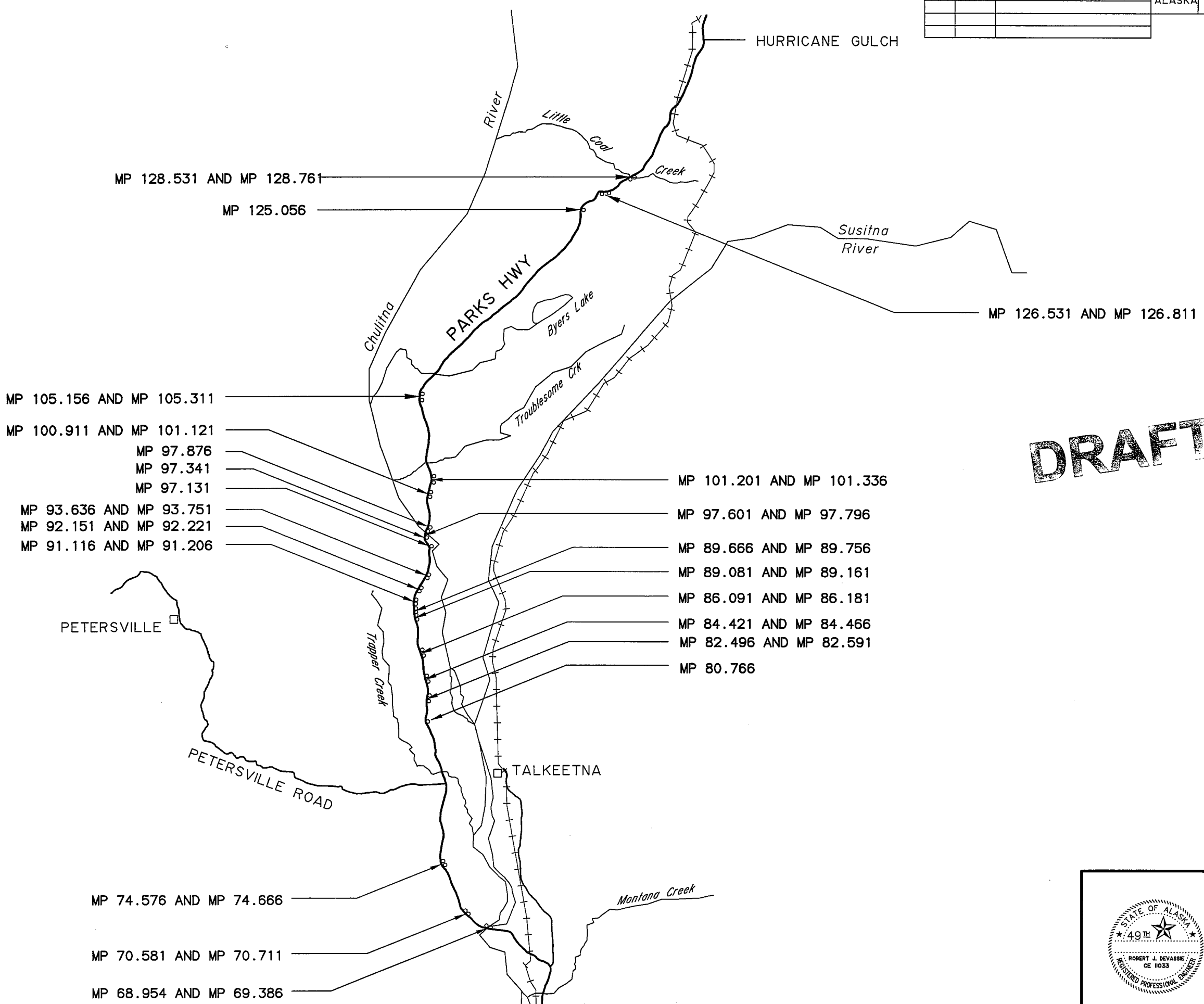
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

CENTRAL REGION GUARDRAIL
END TREATMENT UPGRADE

SUMMARY SHEET

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STPG-000S(468)/56633	2010	F1	F4

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DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

CENTRAL REGION GUARDRAIL
END TREATMENT UPGRADE

NORTHBOUND
PARKS HIGHWAY LOCATIONS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STPG-000S(468)/56633	2010	F3	F4

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DATE

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GLENN I

DATE

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GLENN I

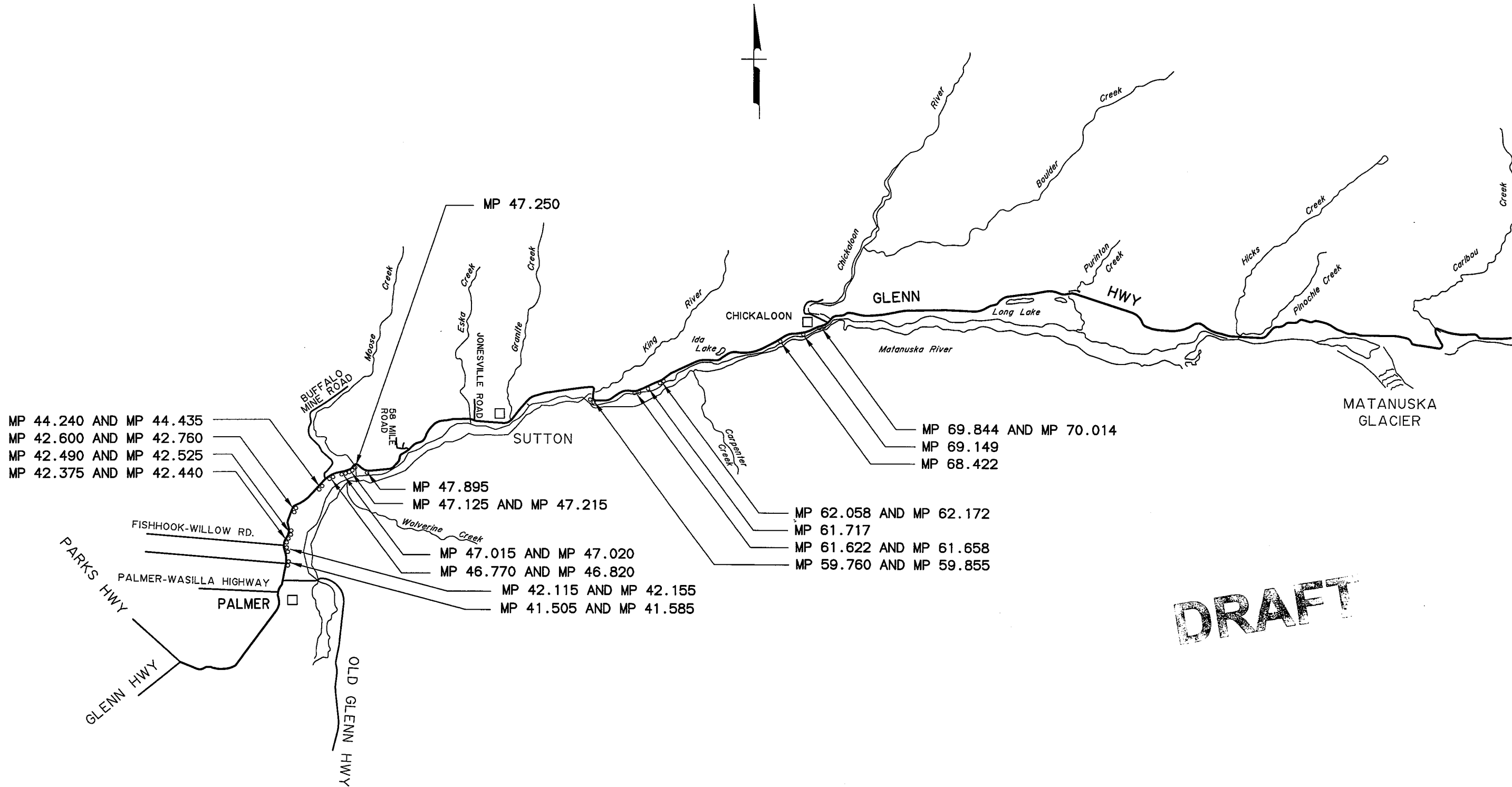
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GLENN I



STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

★ 49TH ★

ROBERT J. DEVASSE

CE 1033

REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA

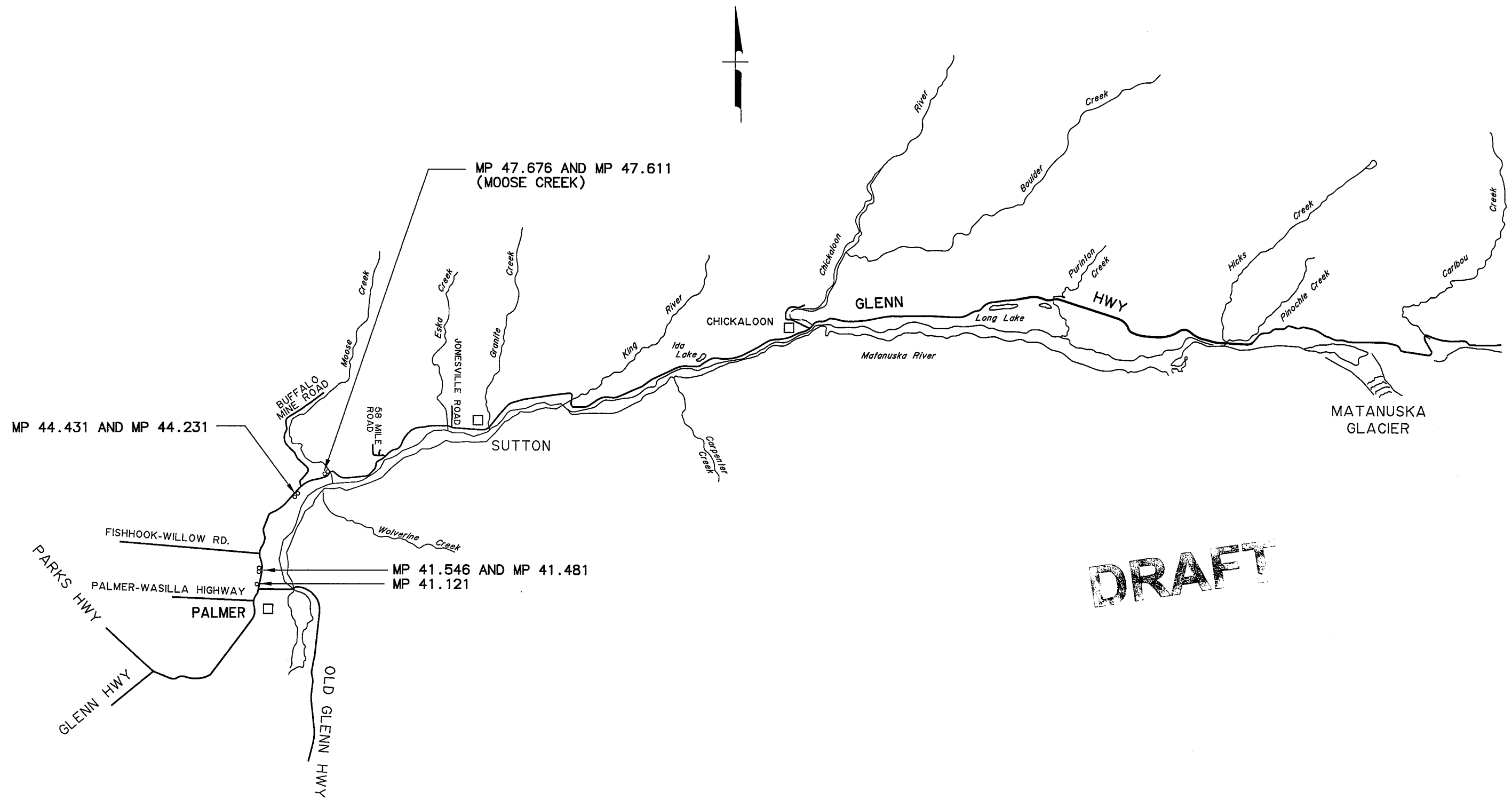
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

CENTRAL REGION GUARDRAIL END TREATMENT UPGRADE

NORTHBOUND GLENN HIGHWAY LOCATIONS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STPG-000S(468)/56633	2010	F4	F4

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LAYOUT: GLENN 2



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
**CENTRAL REGION GUARDRAIL
END TREATMENT UPGRADE**

SOUTHBOUND
GLENN HIGHWAY LOCATIONS