

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM	UNIT	QUANTITY
640 (1)	MOBILIZATION & DEMOBILIZATION	L.S.	ALL REQ'D.
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	L.S.	ALL REQ'D.
643 (2)	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D.
643 (15)	FLAGGING	C.S.	ALL REQ'D.
644 (6)	VEHICLES	L.S.	ALL REQ'D. <i>ADJ 2</i>
670 (13)	ASPHALT COLD PATCH FOR SRPM	EACH	0 <i>275</i>
670 (8)	RECESSED PAVEMENT MARKER	EACH	4235 <i>11256</i>

INDEX MAP
N.T.S.

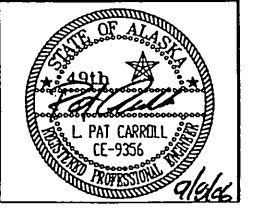
As Built 11-17-07

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BY:	DATE:	DESCRIPTION OF CHANGE:
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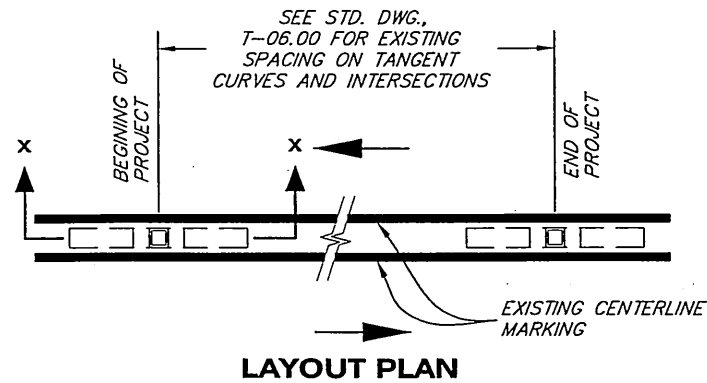
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SOUTHEAST
ALASKA
SOUTHEAST REGION RECESSED
PAVEMENT MARKER REPLACEMENT
ACHHE - 00S(554) PROJECT No. 68977
INDEX MAP & ESTIMATE OF QUANTITIES

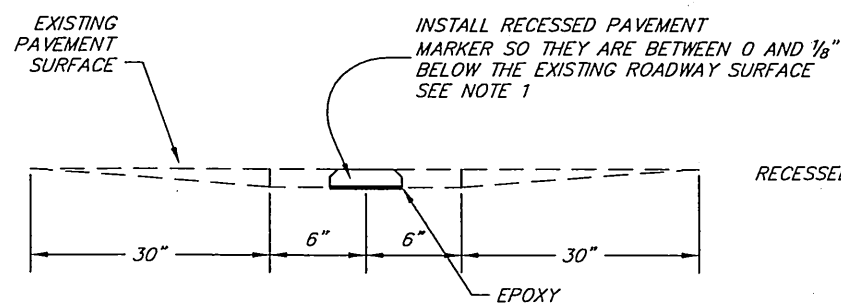
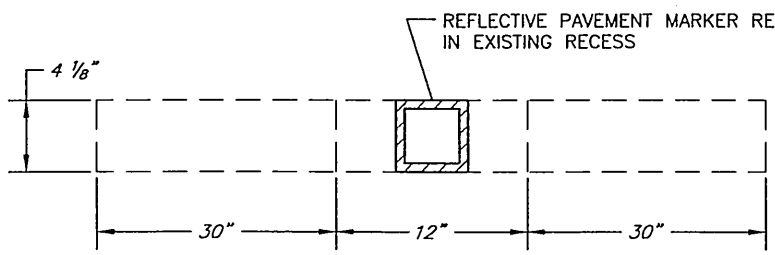
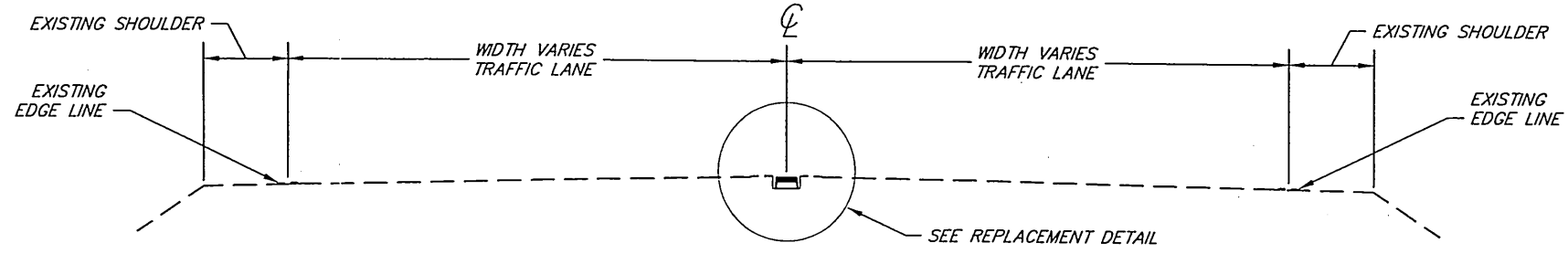
DESIGNED BY: <i>D. WILLIAMS</i>	PROJECT NO. 68977
DRAWN BY: <i>L. ROBERTSON</i>	DATE: APRIL, 2006
CHECKED BY: <i>P. CARROLL</i>	SHEET 2 OF 12



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



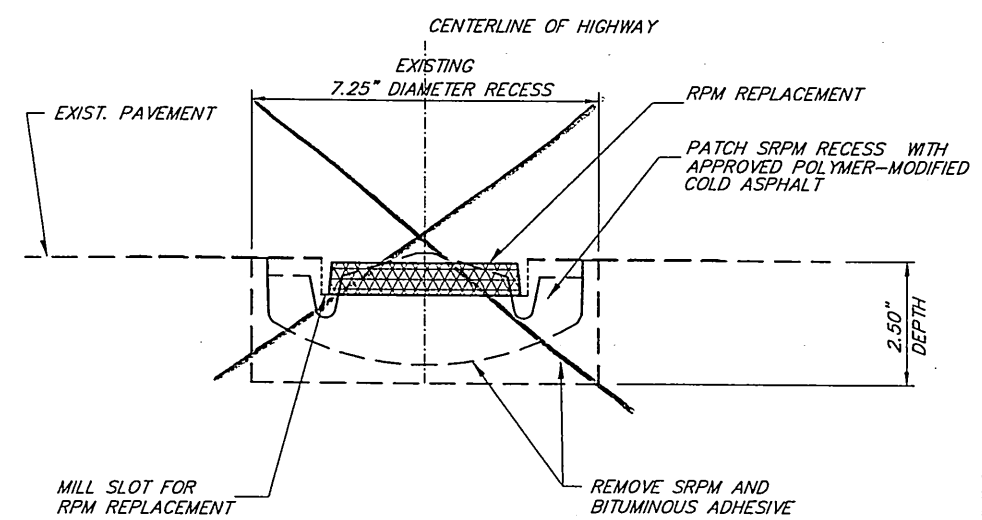
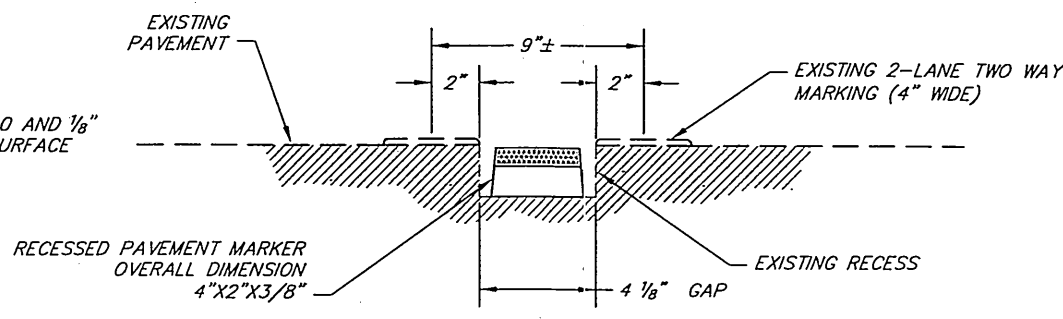
NOTE:
EXACT BEGIN AND END OF RPM REPLACEMENT TO BE DETERMINED BY THE ENGINEER.



RECESSED PAVEMENT MARKER INSTALLATION DETAIL

RPM REPLACEMENT NOTES:

- DEPTH AND WIDTH OF EXISTING RECESS MAY HAVE TO BE MILLED TO FIT PHYSICAL DIMENSIONS OF RECESSED PAVEMENT MARKER SELECTED.



KLONDIKE HIGHWAY SRPM NOTES:

- EXISTING SNOWPLOWABLE RAISED PAVEMENT MARKERS (SRPM) LOCATED ON THE KLONDIKE HIGHWAY BETWEEN U.S. CUSTOMS AND THE WATER FALL SHALL BE REMOVED, EXISTING RECESS PATCHED, THEN MILL NEW RECESS AND INSTALL NEW RPM.
- THE LOCATION AND SPACING OF SNOWPLOWABLE PAVEMENT MARKERS IS THE SAME AS RECESSED PAVEMENT MARKERS
- REPLACEMENT OF MILLED RECESS AND RPM AT THE SAME LOCATION SHALL BE, AS APPROVED BY THE ENGINEER.
- NEW RPM AND RECESS SHALL BE IN ACCORDANCE WITH RPM AND RECESS DETAILS SHOWN ON THIS SHEET.

As Built 11-19-07

NOTE: DO NOT SCALE FROM THESE PLANS--USE DIMENSIONS

PATH: Q:\SEA\68977\PLANSET\68977-SHT_03.DWG		
PLOT:		
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SOUTHEAST

SOUTHEAST REGION RECESSED PAVEMENT MARKER REPLACEMENT
ACHHE-000S(554) PROJECT No. 68977
INSTALLATION DETAILS

ALASKA

DESIGNED BY:
D. WILLIAMS

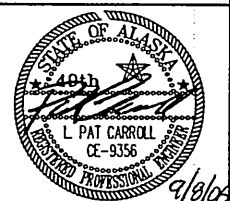
DRAWN BY:
L. ROBERTSON

CHECKED BY:
P. CARROLL



PROJECT NO.
68977

DATE:
APRIL, 2006

SHEET 3 OF 12



LEGEND

-  SIGN
-  FLAGGING STATION

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

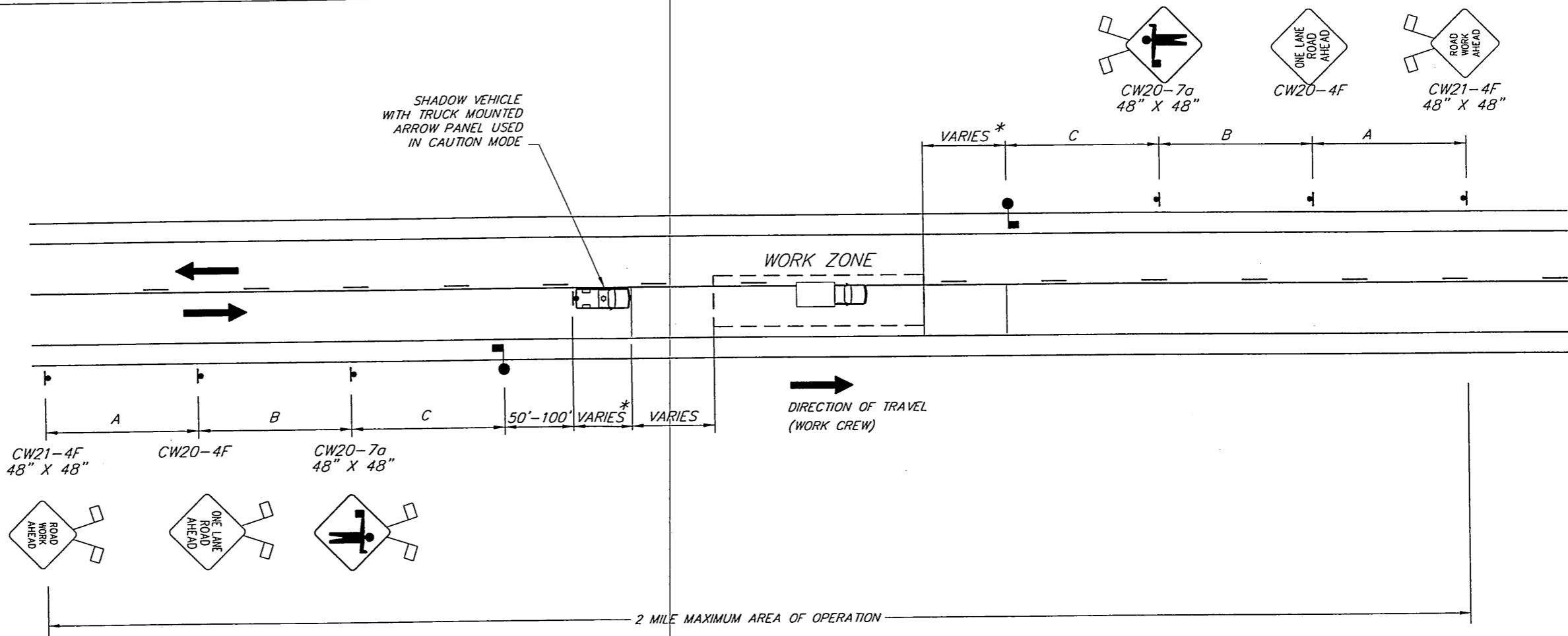
45 MPH OR GREATER $L = W \times S$

WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT OR ANTICIPATED OPERATING SPEED

DRUM OR CONE SPACING = S (IN FEET)

MINIMUM BUFFER TABLE

DESIGN SPEED (mph)	LENGTH (ft)	STOPPING SIGHT DISTANCE FOR DESIGN (ft)
30	30	200
35	35	250
40	40	305
45	45	360
50	50	425
55	55	495



MOBILE OPERATION TRAFFIC CONTROL

* MUST NOT EXCEED 2000 FEET

TRAFFIC CONTROL PLAN NOTES:

- DO NOT CONSTRUCT DURING COMMUTE TIMES 7:30-8:30AM, 11:30AM-1:30AM, OR 4:00PM-5:30PM, EXCEPT WITH PERMISSION OF ENGINEER. TRY TO OPERATE DURING TIME OF LOW TRAFFIC VOLUME.
- CONTACT LOCAL RADIO WITH DATES OF LANE CLOSURES AND TO EXPECT DELAYS.
- THE MAXIMUM LENGTH OF THE AREA OF OPERATION SHALL BE 2 MILES.
- THE MAXIMUM LENGTH OF THE WORK ZONE SHALL BE 1/2 MILE.
- THE FLAGGERS SHALL BE IN RADIO CONTACT WITH EACH OTHER AND WITH WORK CREW AT ALL TIMES.
- SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING OSCILLATING, OR STROBE LIGHTS.

ROAD TYPE	DISTANCE BETWEEN SIGNS		
	A	B	C
URBAN (LOW SPEED)	100	100	100
URBAN (HIGH SPEED)	350	350	350
RURAL	500	500	500

DISTANCES ARE SHOWN IN FEET. THE "A" DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE "B" DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE "C" DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.

As Built 11-19-07

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

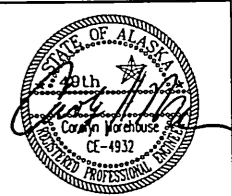
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

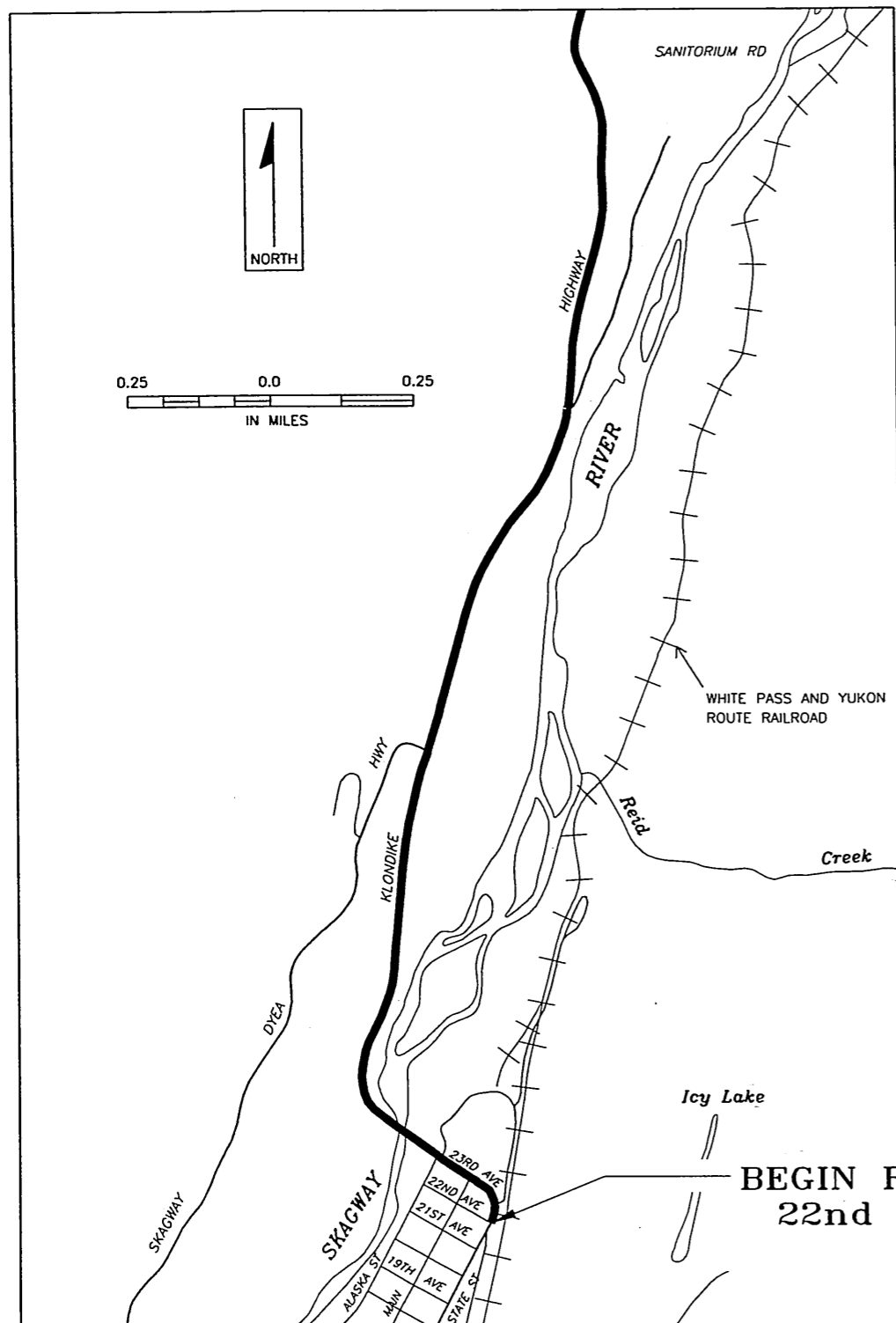
JUNEAU

SOUTHEAST REGION
RECESSED PAVEMENT MARKER REPLACEMENT
ACHEE - 00S(554) PROJECT No. 68977
TRAFFIC CONTROL PLAN

ALASKA

DESIGNED BY:	D. WILLIAMS	PROJECT No.	68977
DRAWN BY:	L. ROBERTSON	DATE:	APRIL, 2006
CHECKED BY:	C. MOREHOUSE	SHEET	4 OF 12





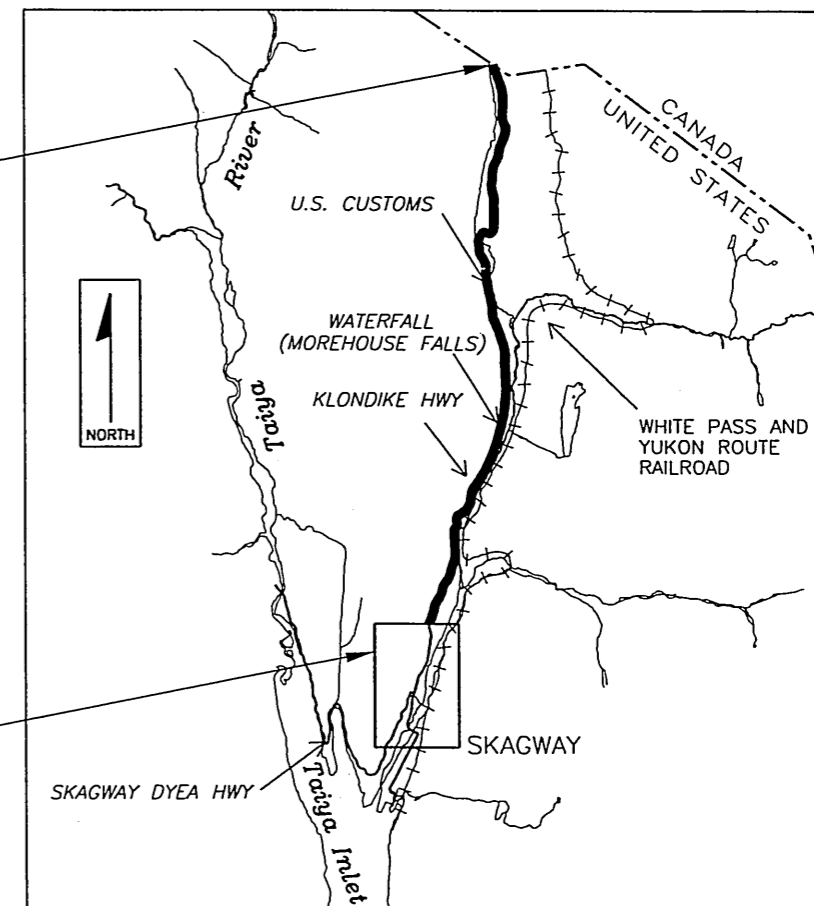
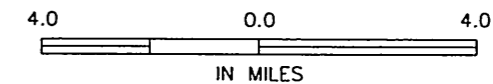
SKAGWAY ENLARGEMENT

SCALE: AS SHOWN

BEGIN RPMS AT JUNCTION OF 22nd AVE. AND STATE ST.

END RPMS AT BORDER MILE POINT 14.73

SEE ENLARGEMENT



SKAGWAY AREA MAP

SCALE: AS SHOWN

SUMMARY RECESSED PAVEMENT MARKER

ROUTE	LENGTH (MILES)	NO. MARKERS	
		YELLOW	WHITE
KLONDIKE HIGHWAY (SKAGWAY)			
22nd AVE. TO BORDER	10.4	400 940	-
U.S. CUSTOMS TO WATERFALL	3.0	400	-
SKAGWAY TOTALS	13.4	400 1340	

NOTE: U.S. CUSTOMS TO WATERFALL. THIS WORK CONSISTS OF REMOVAL AND DISPOSING OF EXISTING SRPM, AND PATCHING OF EXISTING SRPM RECESS, MILLING NEW RECESS AND PLACING NEW STANDARD RPMS BETWEEN MILE 7 AND MILE 10.

As-Built 11-19-07

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: 0:\SEA\68977\PLANSET\68977-SHT_05.DWG		
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

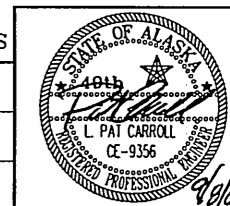
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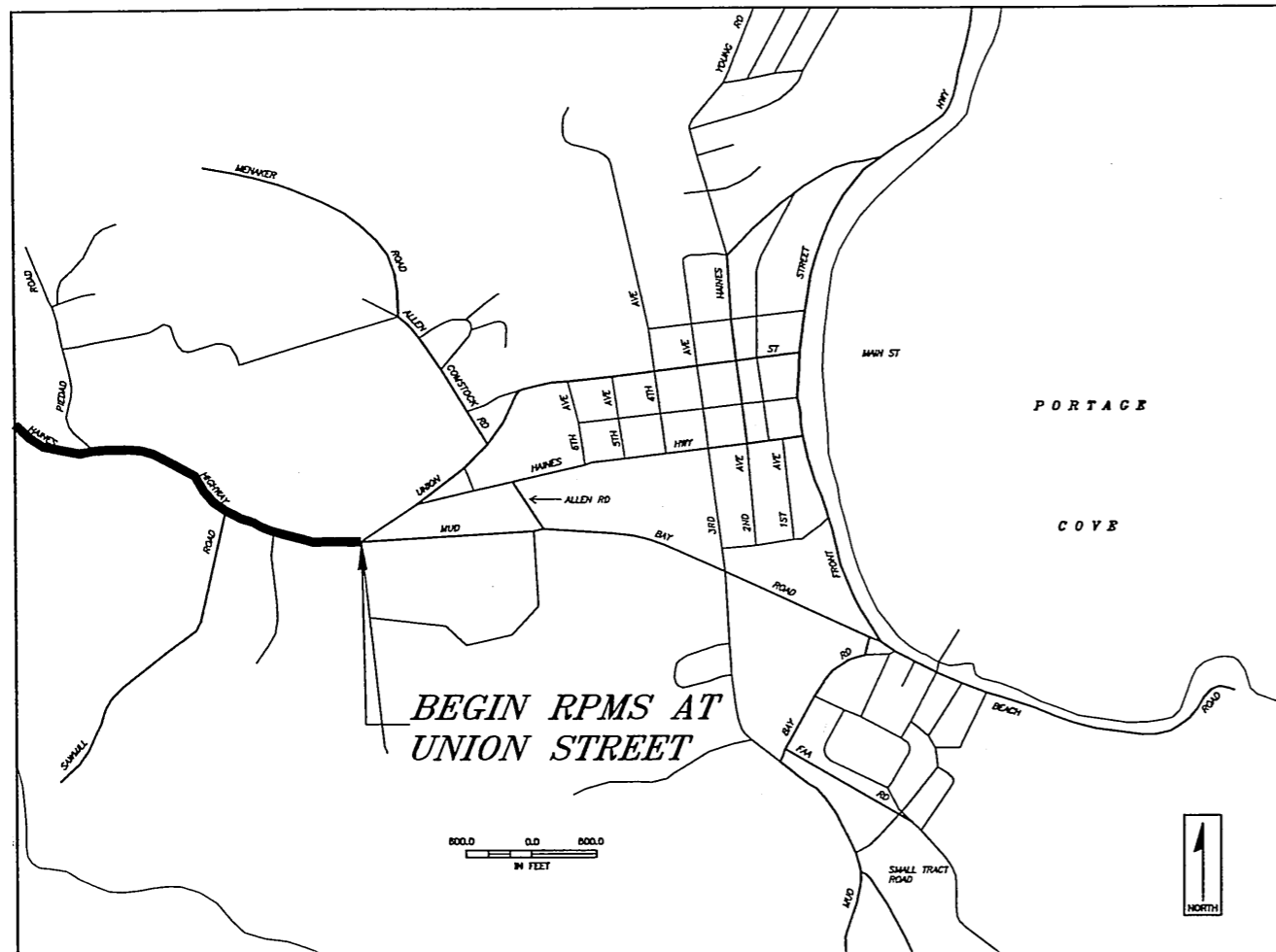
SOUTHEAST REGION RECESSED
PAVEMENT MARKER REPLACEMENT
ACHHE-00S(554) PROJECT No. 68977
SKAGWAY

ALASKA

DESIGNED BY: D. WILLIAMS
DRAWN BY: L. ROBERTSON
CHECKED BY: P. CARROLL

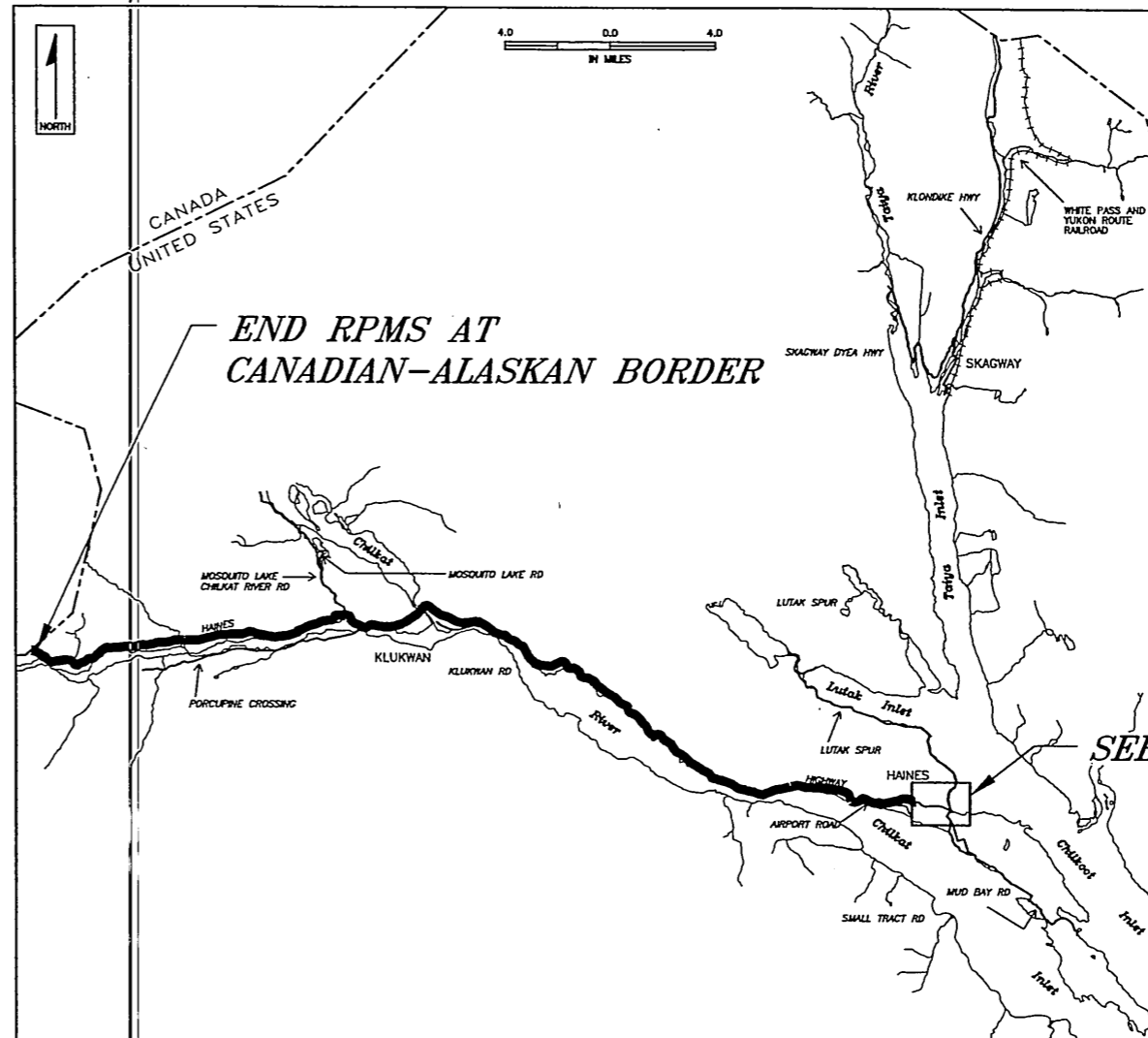
PROJECT NO. 68977
DATE: APRIL, 2006
SHEET 5 OF 12





HAINES ENLARGEMENT

SCALE: AS SHOWN



HAINES AREA MAP

SCALE: AS SHOWN

SUMMARY RECESSED PAVEMENT MARKER

ROUTE	LENGTH (MILES)	NO. MARKERS	
		YELLOW	WHITE
HAINES HIGHWAY			
UNION STREET TO BORDER	40.11	3348	3171
HAINES TOTALS	40.11	3348	3171

As Built 11-19-07

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

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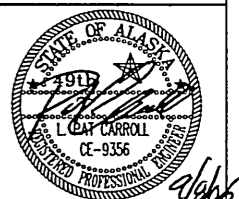
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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

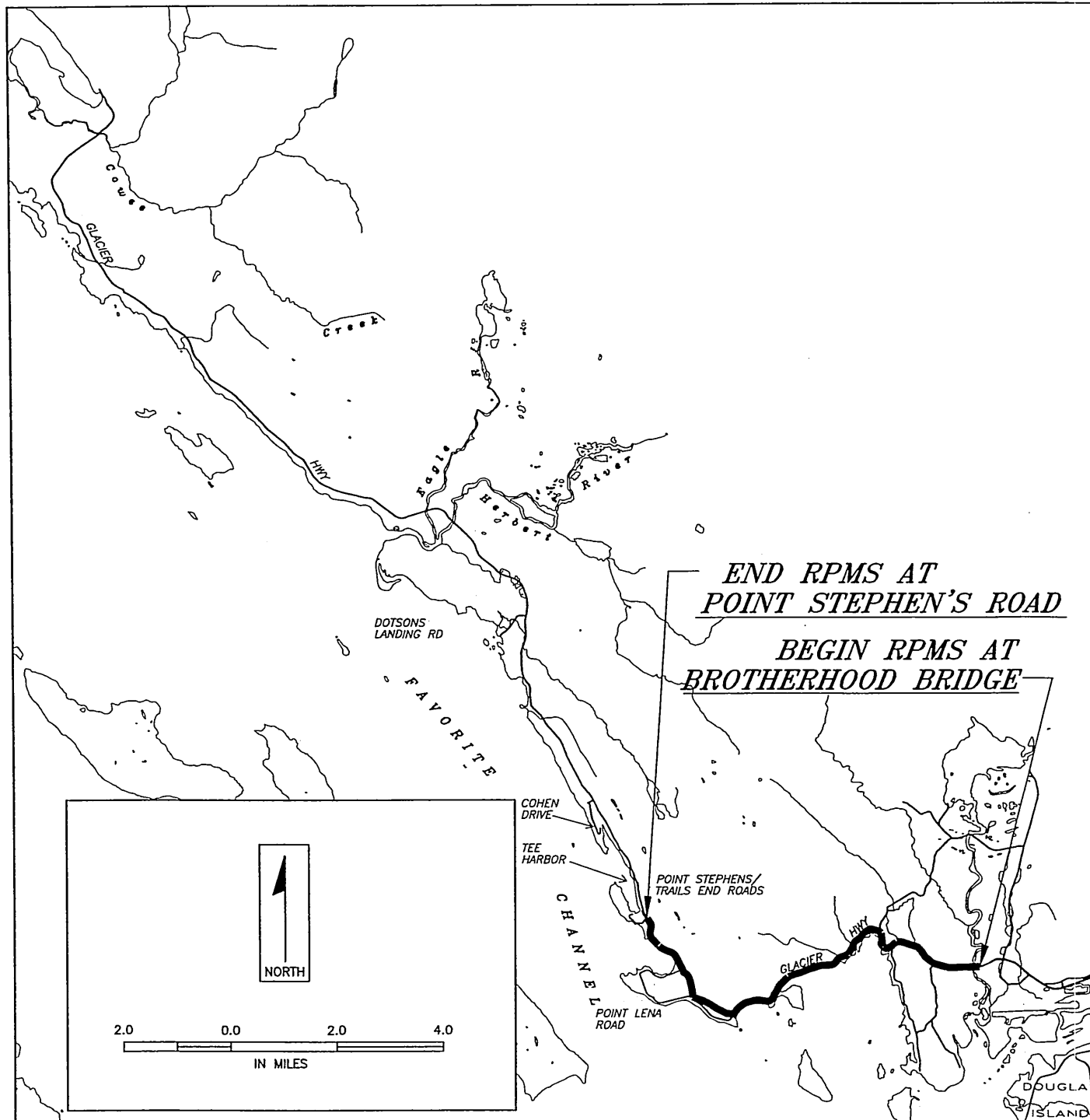
SOUTHEAST

SOUTHEAST REGION RECESSED
PAVEMENT MARKER REPLACEMENT
ACHHE-00S(554) PROJECT No. 68977
HAINES

ALASKA

DESIGNED BY:	D. WILLIAMS	PROJECT NO.	68977
DRAWN BY:	L. ROBERTSON	DATE:	APRIL, 2006
CHECKED BY:	P. CARROLL	SHEET	6 OF 12





JUNEAU AREA MAP

SCALE: AS SHOWN

RECESSED PAVEMENT MARKER SUMMARY			
ROUTE	LENGTH (MILES)	NO. MARKERS	
		YELLOW	WHITE
BROTHERHOOD BRIDGE TO PT. STEPHENS ROAD	7.57	897 1050	59
JUNEAU TOTALS	7.57	897 1050	59-

As-Built 11-19-07

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH: Q:\SEA\68977\PLANSET\68977-SHT_07.DWG		
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RECORD OF REVISIONS		

STATE OF ALASKA
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AND PUBLIC FACILITIES
SOUTHEAST REGION

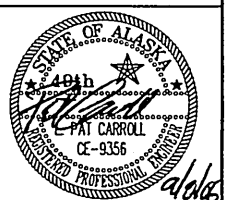
SOUTHEAST

SOUTHEAST REGION RECESSED
PAVEMENT MARKER REPLACEMENT
ACHHE-00S(554) PROJECT No. 68977
JUNEAU

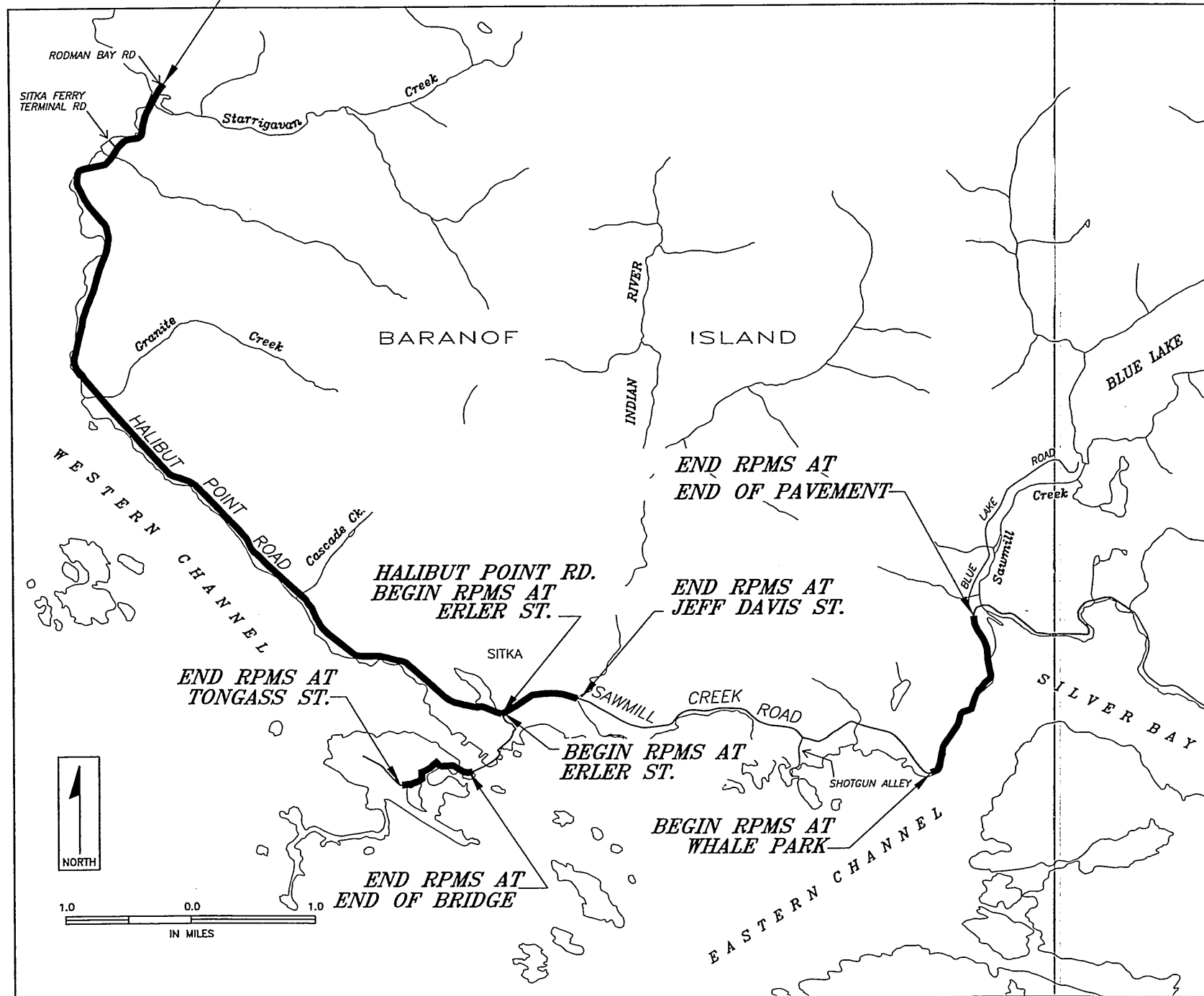
ALASKA

DESIGNED BY:	D. WILLIAMS
DRAWN BY:	L. ROBERTSON
CHECKED BY:	P. CARROLL

PROJECT NO.	68977
DATE:	APRIL, 2006
SHEET	7 OF 12



HALIBUT POINT RD.
END RPMS AT
TURNAROUND



SITKA AREA MAP

SCALE: AS SHOWN

RECESSED PAVEMENT MARKER SUMMARY

ROUTE	LENGTH (MILES)	NO. MARKERS	
		YELLOW	WHITE
<i>Cascade Cr.</i>			
ERLER STREET TO TURNAROUND	7.41	384 331	-
ERLER STREET TO JEFF DAVIS ST.	0.40	53	-
WHALE PARK TO END OF PAVEMENT	1.01	255 0	-
O'CONNELL BRIDGE TO TONGASS ST.	.50	60 100	-
SITKA TOTALS	10.22	1252	484

As Built 11-19-07

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

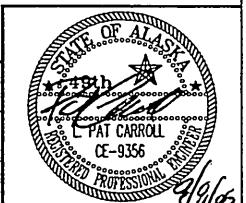
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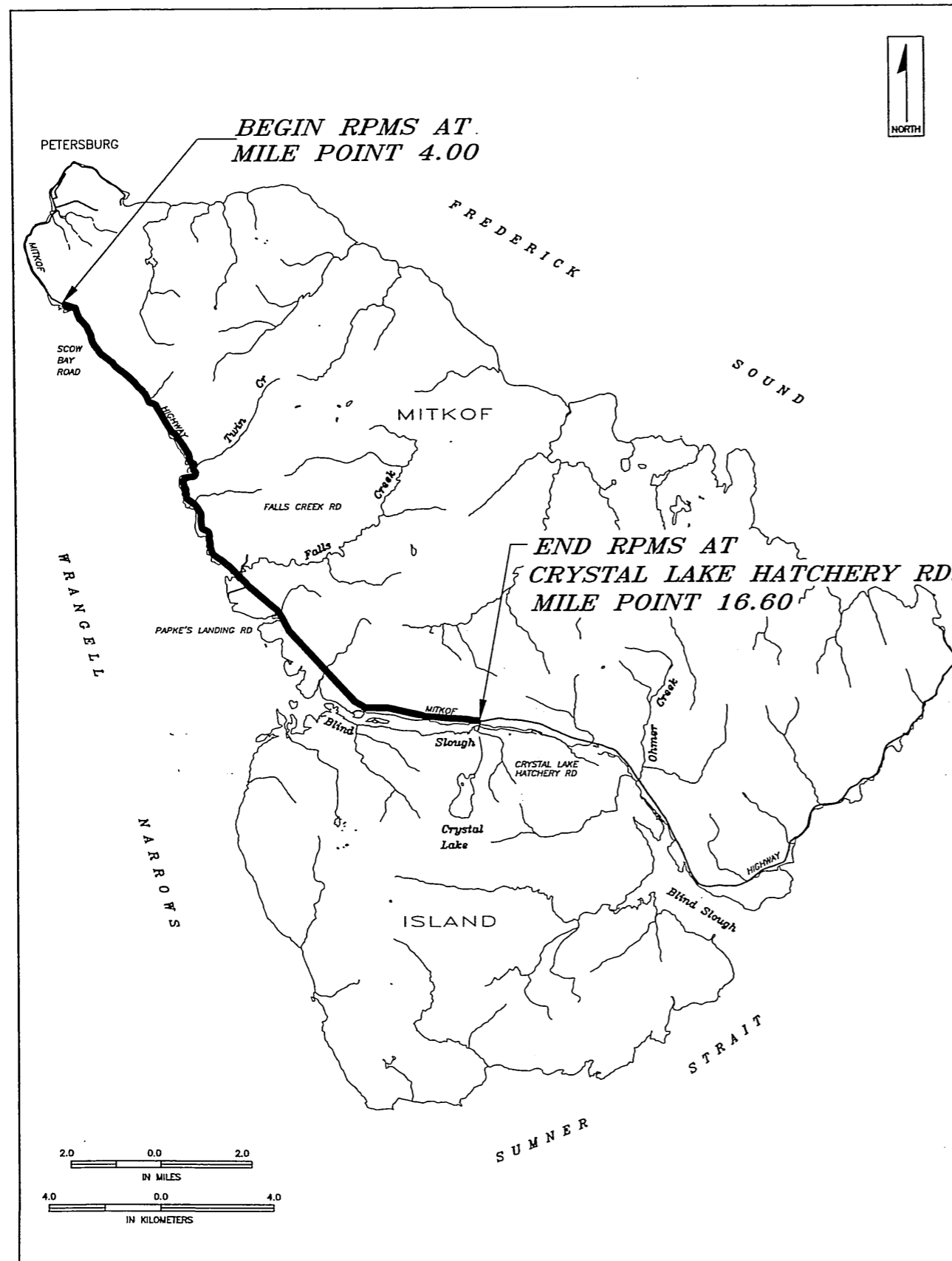
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SOUTHEAST

ALASKA
SOUTHEAST REGION RECESSED
PAVEMENT MARKER REPLACEMENT
ACHHE-005(554) PROJECT No. 68977
SITKA

DESIGNED BY:	D. WILLIAMS	PROJECT NO.	68977
DRAWN BY:	L. ROBERTSON	DATE:	APRIL, 2006
CHECKED BY:	P. CARROLL	SHEET	8 OF 12





PETERSBURG AREA MAP

SCALE: AS SHOWN

RECESSED PAVEMENT MARKER SUMMARY

ROUTE	LENGTH (MILES)	NO. MARKERS	
		YELLOW	WHITE
MITKOF HIGHWAY (PETERSBURG)			
MILE POINT 4.00 TO END OF PAVEMENT	12.6	494 970	-
PETERSBURG TOTALS	12.6	494 970	-

As Built 11-19-07

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

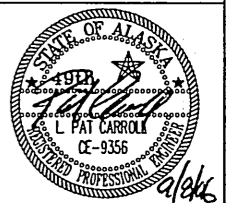
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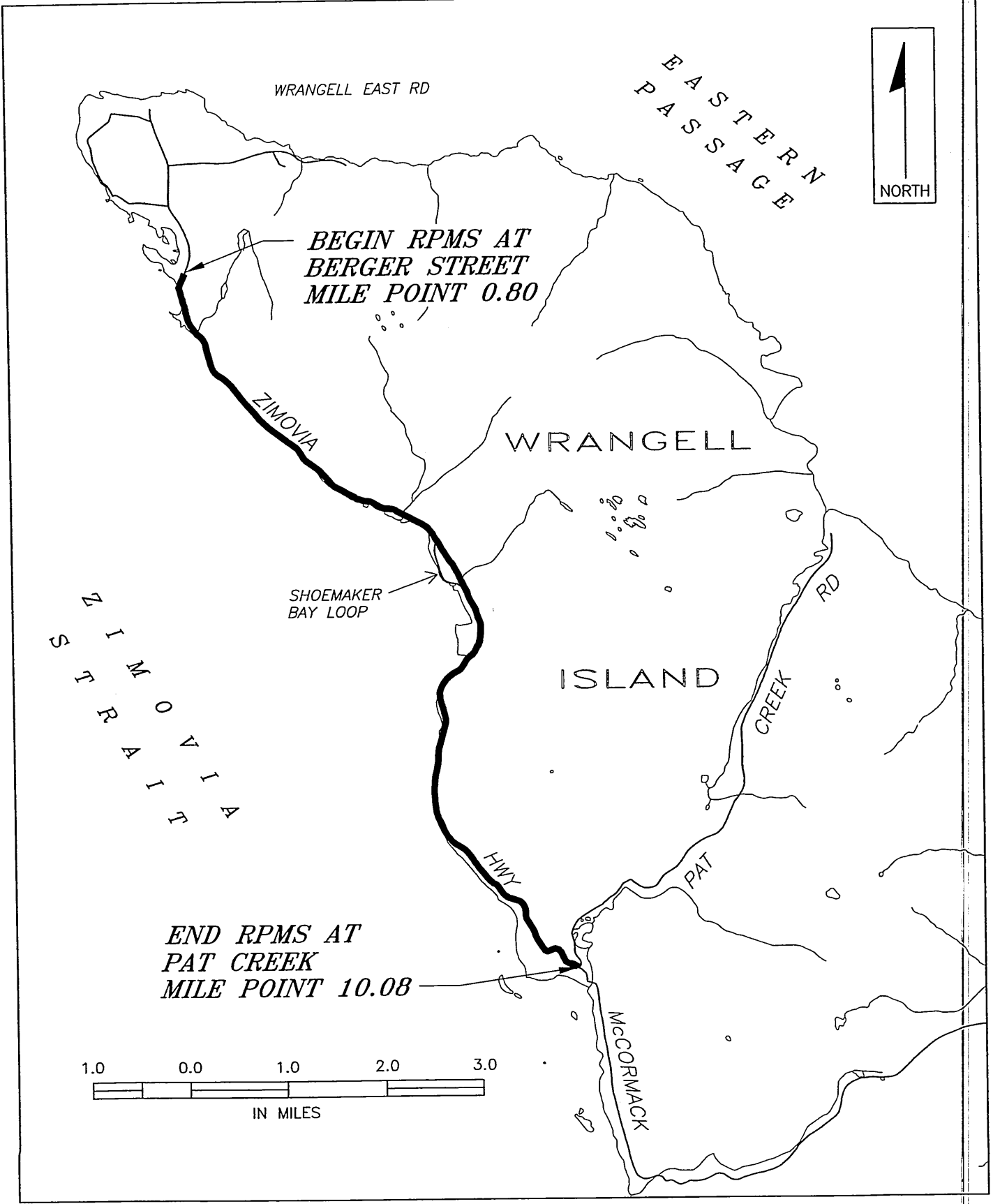
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SOUTHEAST

ALASKA
SOUTHEAST REGION RECESSED
PAVEMENT MARKER REPLACEMENT
ACHHE-00S(554) PROJECT No. 68977
PETERSBURG

DESIGNED BY:	D. WILLIAMS	PROJECT NO.	68977
DRAWN BY:	L. ROBERTSON	DATE:	APRIL, 2006
CHECKED BY:	P. CARROLL	SHEET	9 OF 12





WRANGELL AREA MAP

SCALE: AS SHOWN

RECESSED PAVEMENT MARKER SUMMARY

ROUTE	LENGTH (MILES)	NO. MARKERS	
		YELLOW	WHITE
ZIMOVI A HIGHWAY (WRANGELL)			
BURGER ST. TO PAT CK.	9.26	882 890	-
WRANGELL TOTALS	9.26	882 890	-

As-Built 11-19-07

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

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RECORD OF REVISIONS		

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AND PUBLIC FACILITIES
SOUTHEAST REGION

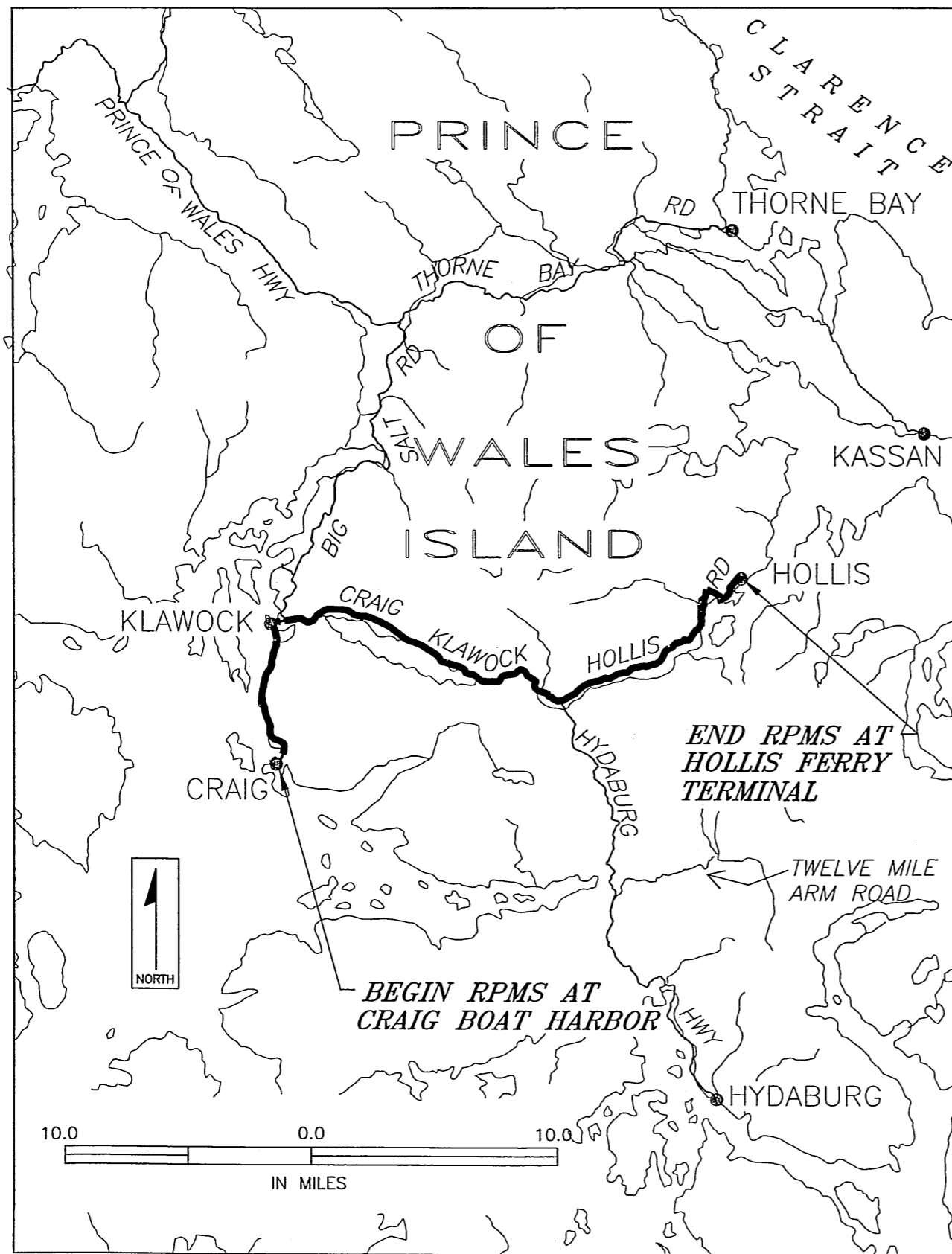
SOUTHEAST

ALASKA
SOUTHEAST REGION RECESSED
PAVEMENT MARKER REPLACEMENT
ACHHE-00S(554) PROJECT No. 68977
WRANGELL

ALASKA

DESIGNED BY:	D. WILLIAMS	PROJECT NO.	68977
DRAWN BY:	L. ROBERTSON	DATE:	APRIL, 2006
CHECKED BY:	P. CARROLL	SHEET	10 OF 12





CRAIG-KLAWOCK AREA MAP

SCALE: AS SHOWN

RECESSED PAVEMENT MARKER SUMMARY			
ROUTE	LENGTH (MILES)	NO. MARKERS	
		YELLOW	WHITE
CRAIG-KLAWOCK (PRINCE OF WALES)			
CRAIG (FROM BOAT HARBOR) TO HOLLIS (FERRY TERMINAL)	29.7	2772 2787	-
CRAIG-KLAWOCK TOTALS	29.7	2772 2787	-

As-Built 11-17-07

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

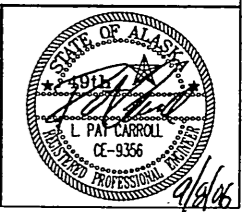
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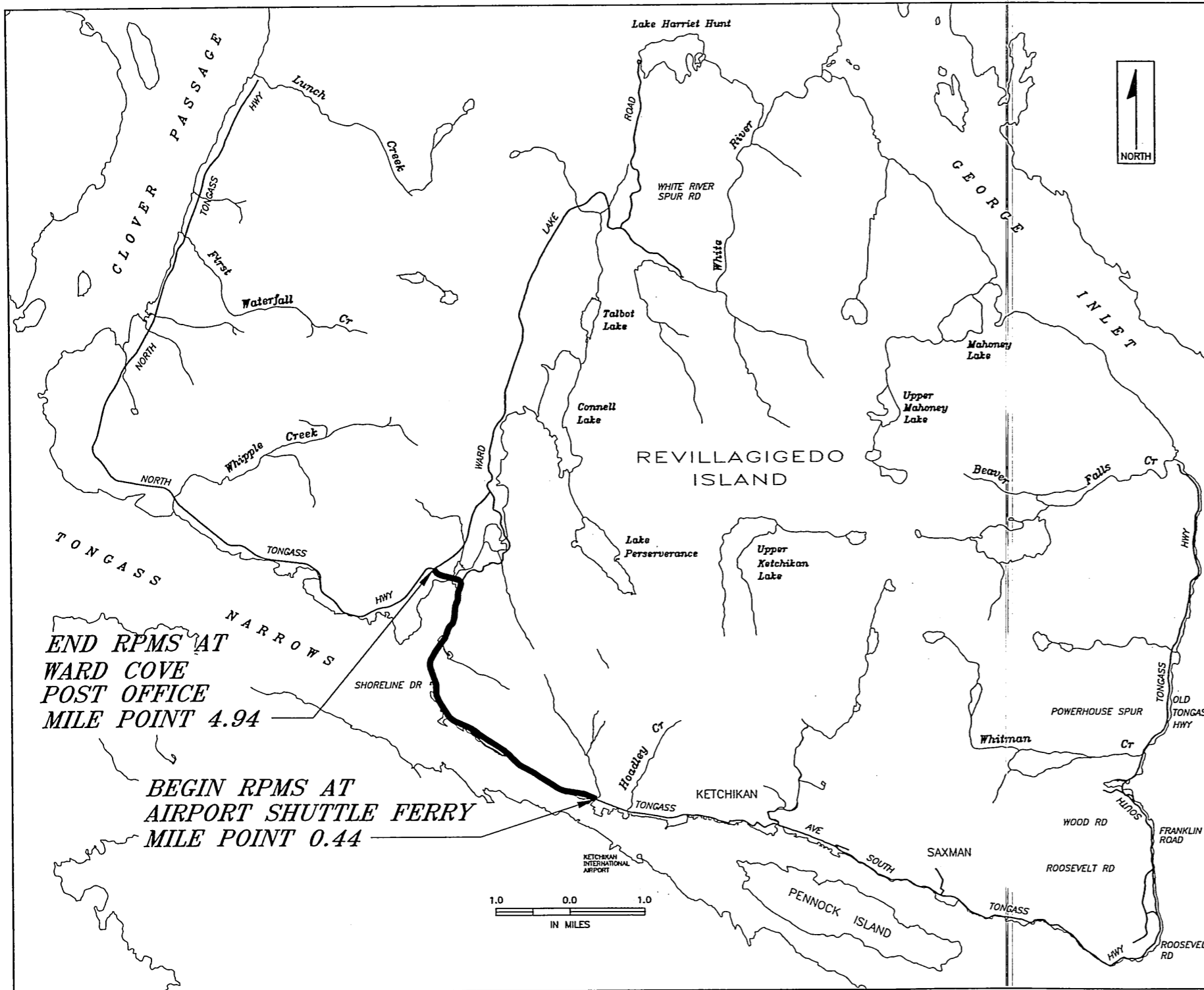
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

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ALASKA
SOUTHEAST REGION RECESSED
PAVEMENT MARKER REPLACEMENT
ACHHE-00S(554) PROJECT No. 68977
CRAIG-KLAWOCK

DESIGNED BY:	D. WILLIAMS	PROJECT NO.	68977
DRAWN BY:	L. ROBERTSON	DATE:	APRIL, 2006
CHECKED BY:	P. CARROLL	SHEET	11 OF 12





END RPMS AT
WARD COVE
POST OFFICE
MILE POINT 4.94

BEGIN RPMS AT
AIRPORT SHUTTLE FERRY
MILE POINT 0.44

KETCHIKAN AREA MAP

SCALE: AS SHOWN

As Built 11-19-07

RECESSED PAVEMENT MARKER SUMMARY

ROUTE	LENGTH (MILES)	NO. MARKERS	
		YELLOW	WHITE
N. TONGASS (KETCHIKAN)			
FERRY TERMINAL TO WARD COVE P.O.	4.5	490	15 ✓
KETCHIKAN TOTALS	4.5	490	15 ✓

PATH: 0:\SEA\68977\PLANSET\68977-SHT_12.DWG		
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

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ALASKA
SOUTHEAST REGION RECESSED
PAVEMENT MARKER REPLACEMENT
ACHHE-00S(554) PROJECT No. 68977
KETCHIKAN

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

DESIGNED BY:	D. WILLIAMS	PROJECT NO.	68977
DRAWN BY:	L. ROBERTSON	DATE:	APRIL, 2006
CHECKED BY:	P. CARROLL	SHEET	12 OF 12

