





REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	ALASKA	ACHHE-OA3-1(46)/52451	2012	A-5	A-10

**LEGEND**

	Primary Centerline monument
	Survey Control Point
	Benchmark
	Temporary Benchmark

### VERTICAL CONTROL STATEMENT

The vertical datum is NAVD88, in U.S. Survey feet holding USC&GS Triangulation station "ENDING", PID TT0258, having an elevation of 28.42'; USC&GS Bench Mark "P 73", PID TT0260, having an elevation of 27.95 feet; USC&GS Bench Mark "S 12", PID TT0352, having an elevation of 53.19'; USC&GS Bench Mark "M 75", PID TT0351, having an elevation of 37.29 feet. Elevations of TBM monuments set this survey were determined by differential leveling.

HORIZONTAL CONTROL STATEMENT

Coordinate System:

This project is located entirely within the Portage Adjustment, a local surface grid coordinate system expressed in U.S. Survey feet units developed by the Alaska Department of Transportation and Public Facilities.

### Basis of Coordinates:

The Basis of Coordinates is the NAD83(CORS96)(EPOCH: 2003.000) position of USC&GS monument "ALASKA 2" PID UW7503, A 3-1/2" brass cap set in bedrock, having the following coordinates in U.S. Survey feet:

Alaska State Plane Zone 4 coordinates  
N= 2,519,512.28307, E= 101,105.99287

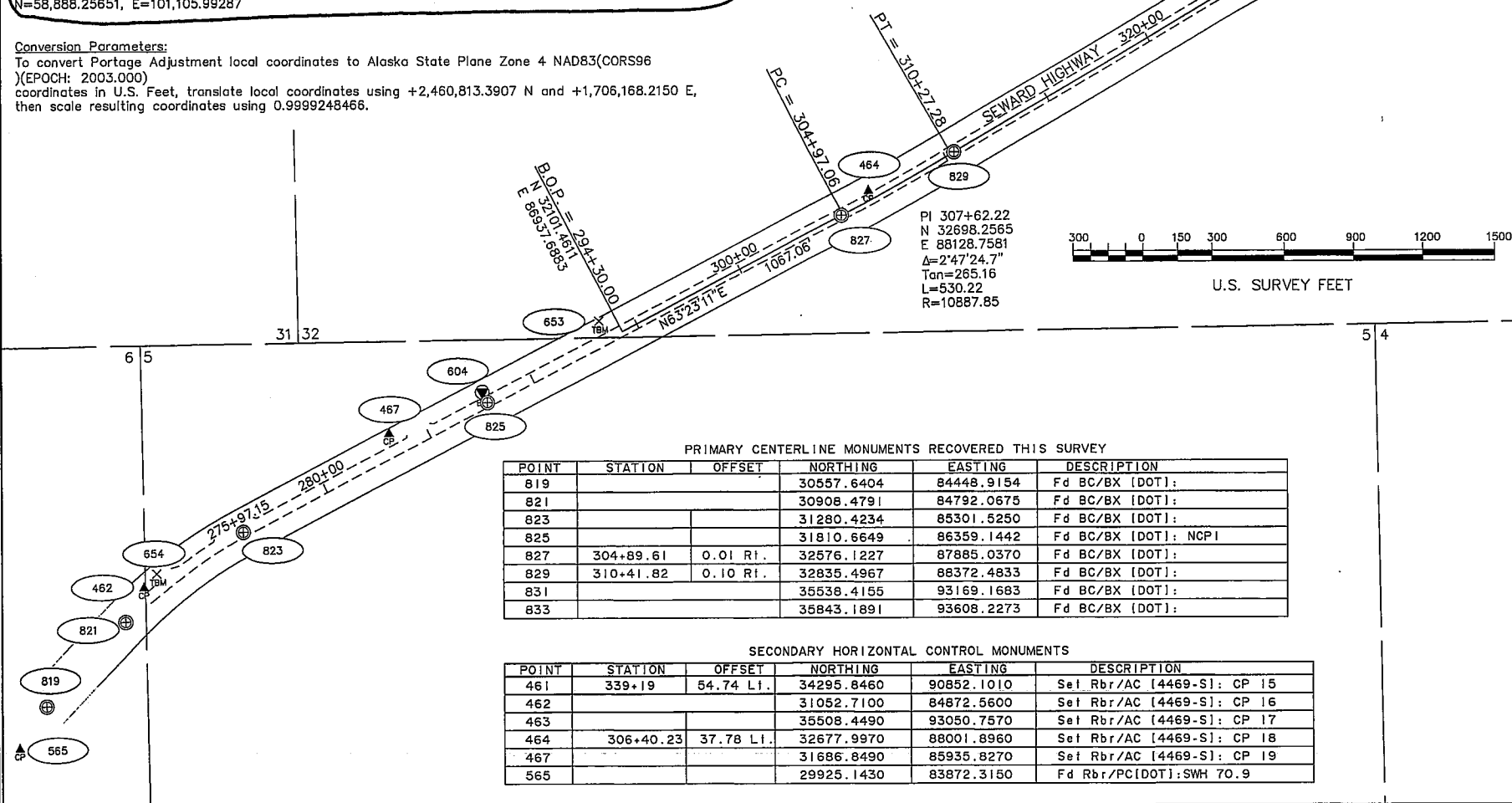
NAD83(CORS96)(EPOCH: 2003.000) Geodetic Coordinates:

Latitude: 60°53'35.06538" North  
Longitude: 149°03'49.84257" West  
Ellipsoid Height: 88.52016

Portage Adjustment local coordinates:  
N=58.888.25651, E=101.105.99287

Conversion Parameters:

To convert Portage Adjustment local coordinates to Alaska State Plane Zone 4 NAD83(CORS96) (EPOCH: 2003.000)  
coordinates in U.S. Feet, translate local coordinates using +2,460,813.3907 N and +1,705,168.2150 E,  
then scale resulting coordinates using 0.9999248466.



It is the Project Engineer's responsibility to notify the Department's Survey Manager before termination of traffic control to allow the department surveyors to safely check and/or reset any survey monuments which may have been disturbed.

NOTES:

- 1) The information produced for this project is based on field surveys by Mullikin Surveys in October through December, 2010. The Horizontal and Vertical Control Statements shown are taken from the Survey Control Diagram for AKSAS 58105 recorded in the Anchorage Recording District as Plat 2007-40. Monuments shown on that Survey Control Diagram were used to control this survey.
- 2) All secondary control monuments established this survey were positioned with static GPS using JAVAD/Topcon Legacy and Odyssey receivers, differentially corrected and processed by Topcon Tools Vers. 7.5 software. Elevations of vertical control points were determined by differential levels using a Leica DNA 10 digital level and bar code rods.
- 3) All background information shown herein was obtained from record sources and is for orientation purposes only.
- 4) All dimensions and coordinates shown are in U.S. Survey Feet unless otherwise noted. 39.37 Feet = 12 meters
- 5) Whether listed or not, ALL monuments or property markers, corners, or accessories, which will be disturbed or buried, shall be referenced or re-established in their original positions (A.S. 19.10.260) and recorded (A.S. 34.65.040).
- 7) This drawing was based on Record of Survey 2011-4, Seward Recording District.
- 8) The alignments shown are for design only, and are not intended to represent the ROW centerline. Refer to existing ROW mapping for ROW centerline information.

### Surveyor's Certificate

I hereby certify that I am properly Registered and Licensed to practice Land Surveying in the State of Alaska, and that this drawing represents a survey made by me or under my direct supervision, and that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct to the extent shown hereon.

Donald E. Mullikin 4469-S 7/3/12  
(Date)



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
Survey Control Sheet

AKSAS Project No. 52451/ACHWE-0A3-1(46)  
HSIP: Seward Hwy  
SEWARD HIGHWAY: MP 68 TO MP 115  
MP 71

DRAWN	TAL	DATE	6-16-2012	SCALE	1"=300'
CHECKED	TAL	DATE	6-17-2012	SHEET	1 OF 1

