

STATE	YEAR	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
ALASKA	2011	HHE-0001(405)/51922	A4	A4

Horizontal Control Statement:

Coordinate System:  
This project is located entirely within the Anchorage Bowl 2000 adjustment, a U.S. Survey Foot local surface grid coordinate system developed by the Alaska Department of Transportation.

Basis of Coordinates:  
The Basis of Coordinates is NGS Station O'Malley, located near the intersection of the New Seward Highway and O'Malley Road. Said station has Anchorage Bowl 2000 coordinates of 303,939.2310 N, 353,362.5446 E.

Basis of Bearings:  
The Basis of Bearings is a local plane bearing between NGS Station O'Malley 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 49,488.45 U.S. Survey Feet from NGS Station O'Malley. NGS Station Loop 2 USE RM 3 1964 has Anchorage Bowl 2000 coordinates of 353,405.2778 N, 354,851.3982 E.

Translation Parameters:  
To convert the local coordinates to NAD83 (92) State Plane Foot coordinates, translate using +2,296,868.6878 N, +1,312,517.4905 E, and scale using 0.9998910192.

Vertical Control Statement

MOA GAAB 72, as determined by level loops performed by AKDOT between the following MOA benchmarks:

CB-10 A, a 2 1/2" brass cap set vertically in the southeast corner of the Alaska National Guard Armory building with an elevation of 76.60'

CB-3B, a 3-1/4" brass cap set in the northeast corner of a concrete headwall approximately 40 feet north of the center of the rail road spur and approximately 75 feet southwest of GPS station VAN DUSEN with an elevation of 72.93'.

NOTES

1) Project control coordinates shown on this sheet were established by using least-squares adjusted, conventional closed-traverse and Static GPS techniques.

2) All dimensions and coordinates shown are in U.S. Survey Feet unless otherwise noted.

3) This survey was completed in June 2009.

4) Monument cases need to be adjusted to match final grade.

5) Project alignment stationing differs from R.O.W. alignment stationing.

6) All background information is approximate and is shown for orientation purposes only.

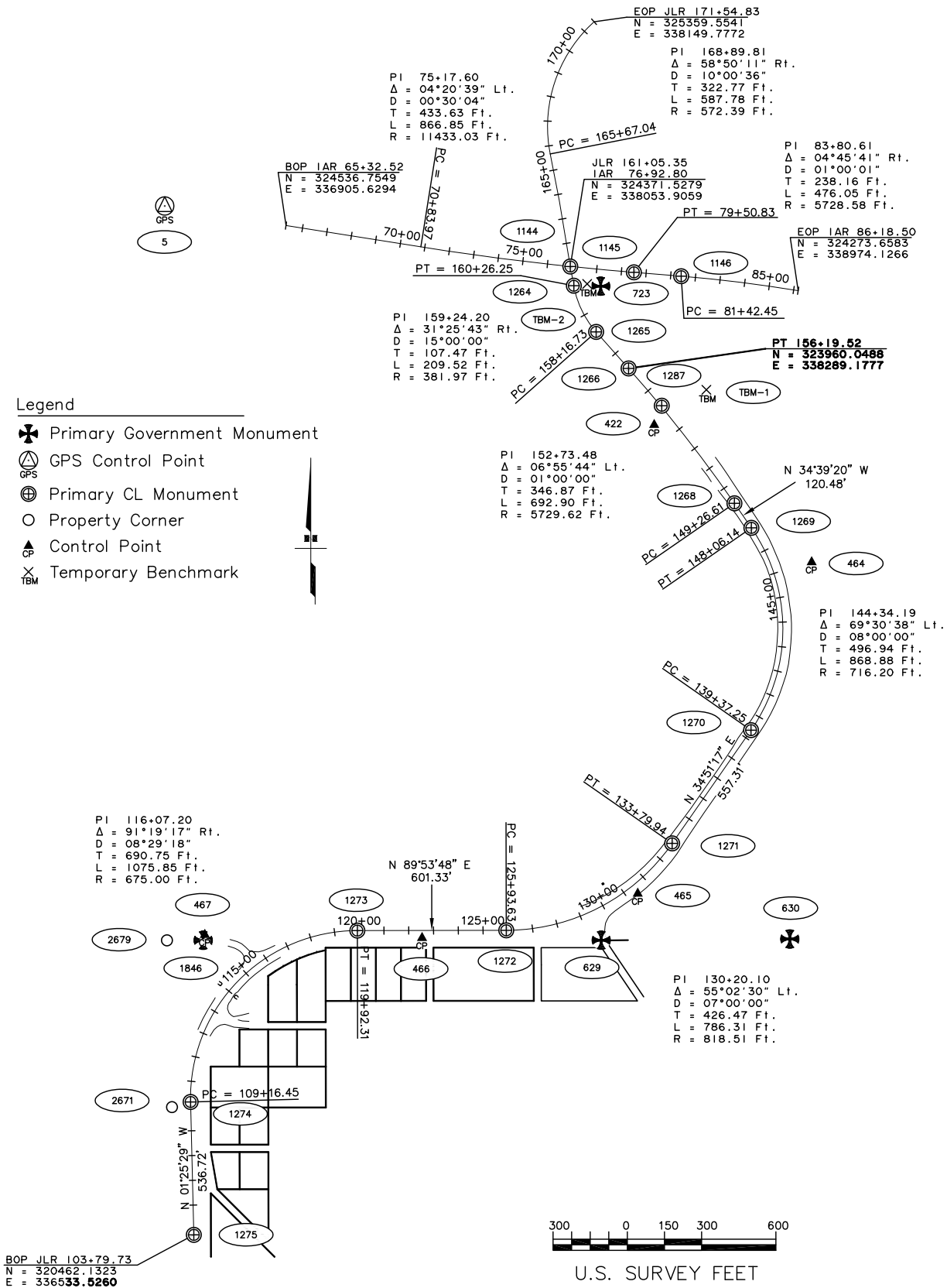
7) Elevations listed for Horizontal Control Points should be field-verified before use.

8) All Station & Offset information is related to Jewel Lake Road (JLR) Alignment.

9) This sheet is identical to the Survey Control Sheet for Project AKSAS 51924 HSIP: Jewel Lake Road: 63rd Ave. to Old International Airport Road.

Legend

- Primary Government Monument
- GPS Control Point
- Primary CL Monument
- Property Corner
- Control Point
- Temporary Benchmark



Survey Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
5	165+91.57	1569.97 Lt.	324615.8231	336415.9023	76.43	Fd BC[NGS]: VANDUSEN
422	153+77.33	68.90 Lt.	323732.0527	338392.6411	79.86	Fd RBR/AC: TS 01-1
464	145+96.80	158.58 Rt.	323177.9222	339028.4515	90.61	Fd RBR/PC: TS JLT-1
465	131+41.67	37.29 Rt.	321839.9956	338325.9541	85.68	Fd RBR/PC: TS JLT-2
466	122+53.54	30.00 Rt.	321660.9423	337455.0368	99.66	Fd RBR/PC: TS JLT-3
467	114+84.94	227.12 Lt.	321673.4121	336577.7671	89.59	Fd RBR/PC: TS JLT-4
629	129+37.13	122.44 Rt.	321651.4549	338178.5486		Fd BC[DOWL]: S 1/4 S35 xT13N R4W
630	133+54.11	611.00 Rt.	321656.4977	338940.2988		Fd BC[GL0]: WC S2 xT12N R4W
723	159+97.44	105.67 Rt.	324291.9694	338176.4093		Fd BC/BX: C1/4 S35 xT13N R4W
1144	161+05.35	0.00	324371.5279	338053.9059		Fd BC/BX: POC 76+92.80
1145	160+36.30	248.61 Rt.	324347.7146	338310.8284		Fd BC/BX: PT 79+50.87
1146	157+56.59	406.06 Rt.	324332.1474	338501.8174		Fd BC/BX: PC 81+42.60
1264	160+26.25	0.00	324293.6873	338067.9498		Fd BC/BX[DOT]: PT 160+26.47
1265	158+16.73	0.00	324107.5203	338158.2423		Fd BC/BX[DOT]: PC 158+16.97
1266	156+19.52	0.00	323960.0488	338289.1777		Fd BC/BX[DOT]: PT 156+19.79
1268	149+26.61	0.00	323415.2875	338716.6886		Fd BC/BX[DOT]: PC 149+26.87
1269	148+06.29	0.00	323316.3140	338785.1078		Fd BC/BX[DOT]: PT 148+06.48
1270	139+37.35	0.00	322499.6954	338783.8319		Fd BC/BX[DOT]: PC 139+37.54
1271	133+79.98	0.00	322042.3166	338465.2960		Fd BC/BX[DOT]: PT 133+80.18
1272	125+93.83	0.00	321691.5568	337795.2747		Fd BC/BX[DOT]: PC 125+93.94
1273	119+92.14	0.00	321690.4706	337193.5861		Fd BC/BX[DOT]: PT 119+92.28
1274	109+16.46	0.00	320998.6946	336520.1810		Fd BC/BX[DOT]: PC 106+16.45
1275	103+79.73	0.00	320462.1323	336533.5260		Fd BC/BX[DOT]: PI 103+79.70 JLL 254+70.5
1287	154+17.86	3.72 Rt.	323809.2653	338423.2211		Fd BC/BX[DOH]: NO MARKINGS
1846	114+69.76	215.76 Lt.	321651.2632	336571.0912		Fd BC/BX[DOWL]: S31S2 xT12N R4W
2671	108+97.45	75.57 Lt.	320977.8116	336445.1031		Fd Rbr: SE Tract XI A1A
2679	113+99.04	323.45 Lt.	321651.0748	336424.9698		Fd Rbr: NE Tract XI A1A Boundary
TBM-1	153+55	184 Rt.	323874	338603	76.57	10" Spike set in 8" Birch
TBM-2	160+24	54 Rt.	324301	338122	80.18	Scribed "X" in SE Bolt of Mast Arm Luminaire

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).



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
Survey Control Sheet  
Federal Project No. HHE-0001(405)

51292  
HSIP: INTERNATIONAL AIRPORT ROAD AT  
JEWEL LAKE ROAD CHANNELIZATION IMPROVEMENTS

DRAWN	DPC	DATE	Nov 18, 2011	SCALE	1" = 300'
CHECKED	APB	DATE	Nov 18, 2011	SHEET	1 OF 1