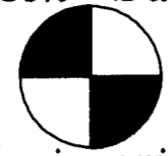


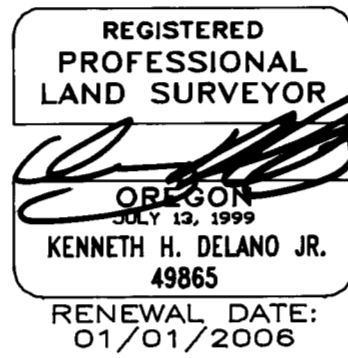
**SURVEY FOR BOARDMAN AIRPORT
RUNWAY CENTERLINE MONUMENTATION
LOCATED IN SECTION 21, T.4N., R.24E., W.M.
MORROW COUNTY, OREGON.
SURVEY PERFORMED ON NOVEMBER 10, 2004**

Ferguson Surveying



Engineering

P.O. BOX 519, 210 E. MAIN
MT. VERNON, OR 97865
PHONE (541)932-4520
FAX (541)932-4430
EMAIL DFSE@ORTELCO.NET



NARRATIVE

This survey was performed at the request of The Port of Morrow to monument the centerline of the Boardman Airport.

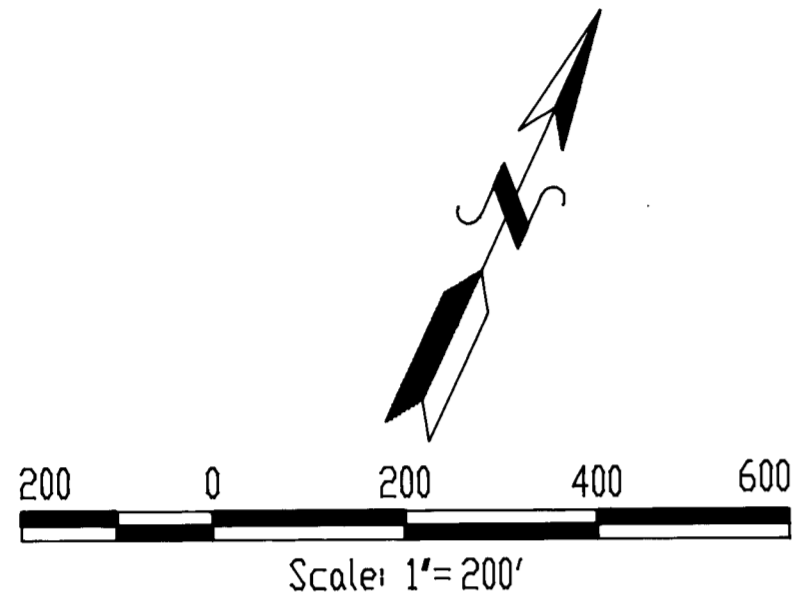
The local coordinate datum for this survey was provided by Century West Engineering Corporation as shown in the project plans titled 'Part of Morrow, Boardman Airport Runway Rehabilitation, AIP Project No. 3-41-0090-002'.

Using Topcon's 'HiPer Lite' precision GPS system, the local control is occupied. Utilizing Tripod Data Systems' 'Survey Pro' software, the local control system is calibrated to the GPS equipment based on the measured WGS 1984 and Geoid 99(conus) datum, returning the following localization parameters:

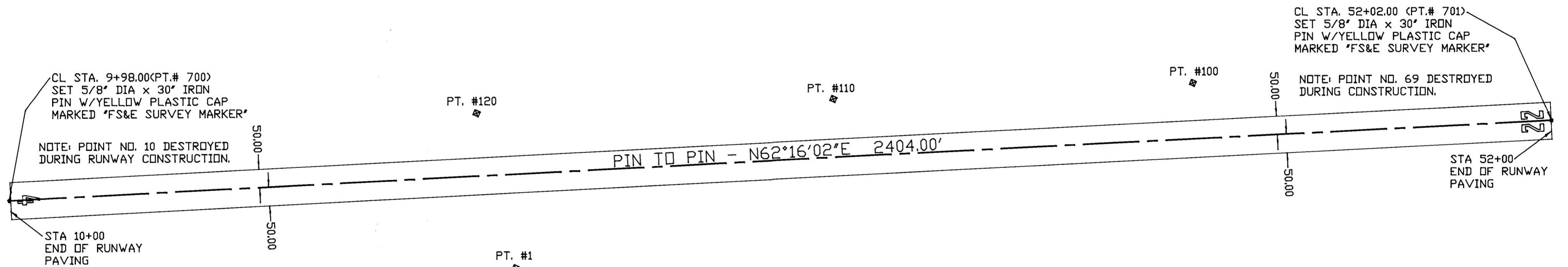
Translation Northing = -227922.838215
Translation Easting = -226214.361243
Translation Z = 5.1693
Rotation = -00°00'17.7872"
Scale Factor = 0.9999912899

The Oregon North Zone State Plane Coordinates, shown in the 'Coordinate Table' are calculated using the above said Tripod Data Systems software.

5/8" dia. x 30" Iron pins with yellow plastic caps are set on centerline at each end of the runway as shown.



BASIS OF BEARING: RUNWAY CENTERLINE AS SHOWN ON THE CONSTRUCTION PLANS TITLED "BOARDMAN AIRPORT RUNWAY REHABILITATION, AIP PROJECT NO. 3-41-0090.002(SEE NARRATIVE)



LEGEND

- SET MONUMENT AS SHOWN
- ⊕ F.D. CONTROL POINT, SEE COORDINATE TABLE
- RUNWAY CENTERLINE
- EDGE OF RUNWAY PAVEMENT

COORDINATE TABLE

PT #	LOCAL PROJECT COORD.			STATE PLANE COORD.(ORN)			DESCRIPTION
	NORTHING	EASTING	ELEV.	NORTHING	EASTING	HEIGHT	
1	100411.25	101328.61	384.12	783340.05	8374812.75	378.95	F.D. BRASS CAP, BM D639
10	100000.16	100000.18	391.99	782917.94	8373487.85	386.82	F.D. 5/8" PIN W/YPC
69	101955.71	103719.78	NA	784904.29	8377190.87	NA	F.D. PK NAIL
100	101639.26	102792.01	NA	784580.14	8376265.81	NA	F.D. 1/2" PIN W/RPC
110	101189.30	101922.64	NA	784122.98	8375400.26	NA	F.D. HUB & TACK
120	100747.96	101056.23	NA	783674.47	8374537.59	NA	F.D. 1/2" PIN W/RPC
700	100000.49	100000.82	NA	782918.27	8373488.49	NA	Set 5/8" Pin w/FS&E cap
701	101956.82	103721.89	NA	784905.41	8377192.97	NA	Set 5/8" Pin w/FS&E cap

RECEIVED BY
Morrow County Surveyor
Date FEB 17 2011
Rec'd By SKB
No. 1595-C