Observations for Relocation of Bench Mark

Original Mark Stamping:		Replacement Mark Stamping:	

PID:	Date of Leveling:	Time Zone:

Elevation:	Vertical Datum:	Units:	Computed Field Elevation (from below):	Units:

State:	County:	Latitude NAD 83(NSRS): N	Longitude NAD 83(NSRS): W

Equipment Manufacturer:	Level Model #:	Level S/N:	Rod Model #:	Rod #1 S/N:	Rod #2 S/N:

Forward Running: Old to New   Observer: Rodman #1:   Rodman #2:

Start Time:	Temperature:	Sun Conditions:	Wind Conditions:	Stop Time:

Point	Backsight	H.I.	Foresight	Elevation	Dist. B/F	Remarks
	Starting or Published Elevation =					Units =
						Section El. Difference Running El. – Start El.
	Forward Running Elevation / Total Dist. / El. Diff. =					

Backward Running: New to Old   Observer: Rodman #1:   Rodman #2:

Start Time:	Temperature:	Sun Conditions:	Wind Conditions:	Stop Time:

	Starting Elevation from Forward Running Elevation					Units =
						Section El. Difference Running El. – Start El.
	Backward Running Elevation / Total Dist. / El. Diff.=					

Forward Running Elevation Difference	
Tolerance Check = Backward Running Difference - Forward Running Difference	
Average Elevation Difference = (Forward Running Difference + Backward Running Difference) / 2 Note: Maintain Numerical Sign of the Forward Running	
Computed Field Elevation for New Mark = Elevation of Old Mark + (Average Elevation Difference)	

Agency / Firm:	Submitted By:
Address:	Telephone:
City / State / Zip:	E-Mail:

Observations Continuation Sheet

Forward Running: Old to New - Continued from Front (ft / m)

Point	Backsight	H.I.	Foresight	Elevation	Dist. B/F	Remarks
	Continued Elevation / Distance from Front =					
	Forward Running Elevation / Total Distance =					**Copy to Front**

Backward Running: New to Old - Continued from Front (ft / m)

Point	Backsight	H.I.	Foresight	Elevation	Dist. B/F	Remarks
	Continued Elevation / Distance from Front =					
	Backward Running Elevation / Total Distance =					**Copy to Front**

Elevation Computations for New Mark:

Old Mark Elevation + *Average Elevation Differences of Forward/Backward Runnings   * Use Numerical Sign of Forward Running