

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| | OKLA. | | | | |

| DESCRIPTION | REVISIONS | DATE |
|-------------|-----------|------|
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* M O V E 3 Version 3.1.5 *
* Design and Adjustment *
* of *
* 3D 2D and 1D Geodetic Networks *
* www.MOVE3.com *
* (c) 1993-2002 Grontmij Geo Informatie bv *
* Licensed to Leica Geosystems AG *
* SW04432(1)-JP No.21860(04) Jan 22, 2009 16.44:49 *
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3D constrained network on WGS 84 ellipsoid

STATIONS
 Number of (partly) known stations 8
 Number of unknown stations 0

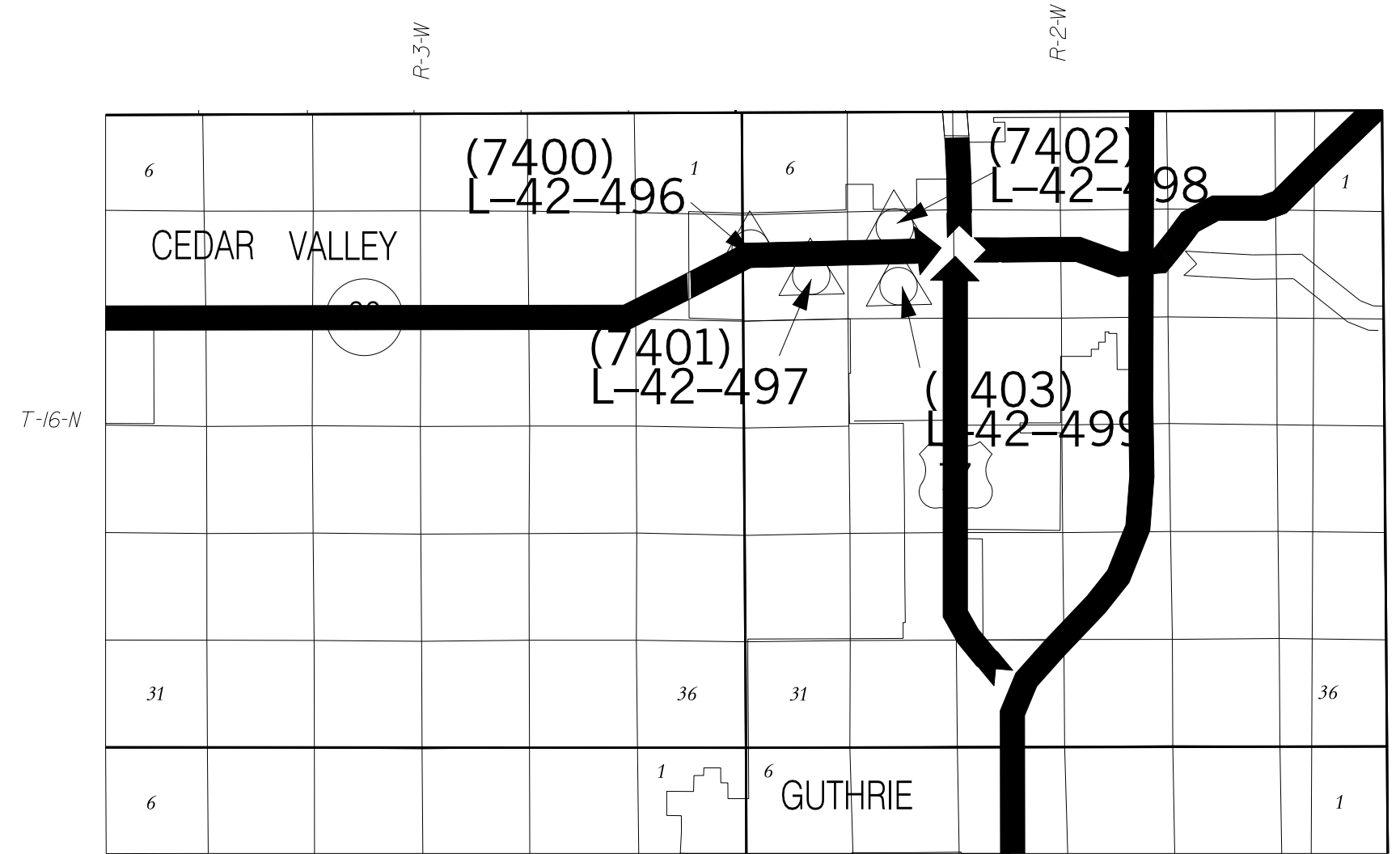
Degrees of freedom 141

ADJUSTMENT
 Number of iterations 1
 Max coord correction in last iteration 0.0000 fts

TESTING
 Alfa (multi dimensional) 0.6547
 Alfa 0 (one dimensional) 5.0%
 Beta 80%
 Critical value W-test 1.96
 Critical value T-test (3 dimensional) 1.89
 Critical value T-test (2 dimensional) 2.42
 Critical value F-test 0.95
 F-test 0.08 accepted
 Results based on a-posteriori variance factor

COORDINATES (CONSTRAINED NETWORK)

| Station | Coordinate | Corr | Prec(95.0%) |
|-----------------|------------|------------------|-----------------------|
| L-42-496 (7400) | Latitude | 35 52 47.81396 N | 0.0046 fts 0.0153 fts |
| | Longitude | 97 27 26.20497 W | 0.0065 fts 0.0153 fts |
| | Height | 933.5649 | 0.0000 - |
| L-42-497 (7401) | Latitude | 35 52 47.36821 N | 0.0000 0.0152 fts |
| | Longitude | 97 26 57.46980 W | 0.0001 fts 0.0152 fts |
| | Height | 941.5149 | 0.0000 - |
| L-42-498 (7402) | Latitude | 35 52 49.79153 N | 0.0000 0.0154 fts |
| | Longitude | 97 25 42.57391 W | 0.0001 fts 0.0154 fts |
| | Height | 844.9314 | 0.0000 - |
| L-42-499 (7403) | Latitude | 35 52 32.84322 N | 0.0000 0.0158 fts |
| | Longitude | 97 25 51.39320 W | 0.0000 0.0158 fts |
| | Height | 846.1219 | 0.0000 - |
| L-42403 | Latitude | 35 52 28.81717 N | 0.0000 fixed |
| | Longitude | 97 23 37.20788 W | 0.0000 fixed |
| | Height | 928.5712 | 7.1980 fts fixed |
| OKDT | Latitude | 35 29 24.45440 N | 0.0000 fixed |
| | Longitude | 97 30 27.66644 W | 0.0000 fixed |
| | Height | 1203.1691 | 0.0000 fixed |
| OKPR | Latitude | 36 16 34.46428 N | 0.0000 fts fixed |
| | Longitude | 97 19 17.97610 W | 0.0000 fts fixed |
| | Height | 1070.9980 fts | 0.4686 fts 0.0177 fts |
| OKTE | Latitude | 35 15 36.66864 N | 0.0000 fts fixed |
| | Longitude | 96 53 52.10853 W | 0.0000 fts fixed |
| | Height | 994.7432 | 0.3980 fts 0.0258 fts |



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| PLS | GSR | OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION | |
| DRAWN | JMW | SURVEY DATA SHEET | |
| CHECKED | | | |
| APPROVED | | | |
| CREW | ElReno | | |
| | | SWO 4432 (1) | PROJECT NO. 21860(04) SHEET NO. S009 |