



## GEODETIC SURVEY CONTROL PROJECT (SM040-04) SMITH COUNTY

I-40

Caney Fork Bridge/Welcome Center

PIN 131552.00

May 10, 2023

Station	North(ft)	East(ft)	Elevation(ft)	D.A. Factor	Horizontal Datum	Vertical Datum
80-040-07	657269.9618	2022261.7034	509.802	1.00006	NAD 83 (2011)	NAVD 1988
80-040-08	657128.3883	2023539.9661	527.754	1.00006	NAD 83 (2011)	NAVD 1988
80-040-09	657094.7213	2024403.6629	538.031	1.00006	NAD 83 (2011)	NAVD 1988
80-040-10	657217.2077	2025462.0904	528.378	1.00006	NAD 83 (2011)	NAVD 1988
80-040-11	657492.2122	2026385.4958	514.354	1.00006	NAD 83 (2011)	NAVD 1988
80-040-12	657647.7225	2026832.2856	517.906	1.00006	NAD 83 (2011)	NAVD 1988
80-040-13	657837.3539	2027441.3272	523.096	1.00006	NAD 83 (2011)	NAVD 1988
80-040-14	658026.3562	2028056.1931	528.016	1.00006	NAD 83 (2011)	NAVD 1988
80-040-15	658092.1112	2028476.1423	531.132	1.00006	NAD 83 (2011)	NAVD 1988



## Geodetic Project Control Data



Station	North(ft)	East(ft)	Elevation(ft)	D.A. Factor	Horizontal Datum	Vertical Datum
80-040-16	657448.4625	2022614.4546	512.676	1.00006	NAD 83 (2011)	NAVD 1988
80-040-17	657292.5672	2023556.5291	524.430	1.00006	NAD 83 (2011)	NAVD 1988
80-040-18	657253.9199	2024215.5876	531.666	1.00006	NAD 83 (2011)	NAVD 1988
80-040-19	657341.4421	2025147.3205	530.355	1.00006	NAD 83 (2011)	NAVD 1988
80-040-20	657565.1035	2026213.4955	515.887	1.00006	NAD 83 (2011)	NAVD 1988
80-040-21	657744.9513	2026795.4074	517.648	1.00006	NAD 83 (2011)	NAVD 1988
80-040-22	657877.1243	2027209.5503	521.906	1.00006	NAD 83 (2011)	NAVD 1988
80-040-23	658152.2278	2028131.1846	532.407	1.00006	NAD 83 (2011)	NAVD 1988
80-040-24	657909.1152	2025579.9985	523.783	1.00006	NAD 83 (2011)	NAVD 1988
80-040-25	658343.6933	2025682.7167	503.571	1.00006	NAD 83 (2011)	NAVD 1988



# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-07**  
Condition: **GOOD**

Latitude: 36 08 19.45360

Longitude: -85 49 6.03029

D.A. Northing (US FT) : **657269.9618**  
D.A. Easting (US FT) : **2022261.7034**  
Elevation (US FT) : **509.802**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 125.728

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type : **Aluminum disk atop 5/8" rebar stamped 80-040-07 drive flush**

To Reach : **From the junction of I-40 & mile marker 266 (just west of bridge over Caney Fork River), east of Gordonsville, go east on I-40 for 0.3 miles to the station on the right.**

Reference : **13.9 ft N of an orange WITNESS POST 11.8 ft S of the I-40 eastbound FOGLINE 17.7 ft E of the southeast end of GUARDRAIL**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-08**  
Condition: **GOOD**

Latitude: 36 08 18.02989

Longitude: -85 48 50.45028

D.A. Northing (US FT) : **657128.3883**  
D.A. Easting (US FT) : **2023539.9661**  
Elevation (US FT) : **527.754**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 131.204

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-08 drive flush**

To Reach: **From the junction of I-40 & mile marker 266 (just west of bridge over Caney Fork River), east of Gordonsville, go east on I-40 for 0.5 miles to the station on the right.**

Reference: **7.0 ft N of an orange WITNESS POST 14.0 ft S of I-40 eastbound FOGLINE 51.6 ft NE of a metal SIGN (Rest Area/Tourist Info)**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-09**  
Condition: **GOOD**

Latitude: 36 08 17.68061

Longitude: -85 48 39.92181

D.A. Northing (US FT) : **657094.7213**  
D.A. Easting (US FT) : **2024403.6629**  
Elevation (US FT) : **538.031**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 134.342

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type : **Aluminum disk atop 5/8" rebar stamped 80-040-09 drive flush**

To Reach : **From the junction of I-40 & mile marker 266 (just west of bridge over Caney Fork River), east of Gordonsville, go east on I-40 for 0.7 miles to the station on the right.**

Reference : **7.0 ft N of an orange WITNESS POST 13.6 ft S of I-40 eastbound FOGLINE 190.6 ft E of a metal SIGN (Ramp 35 MPH)**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-10**  
Condition: **GOOD**

Latitude: 36 08 18.87144

Longitude: -85 48 27.01568

D.A. Northing (US FT) : **657217.2077**  
D.A. Easting (US FT) : **2025462.0904**  
Elevation (US FT) : **528.378**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 131.388

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-10 drive flush**

To Reach: **From the junction of I-40 & mile marker 266 (just west of bridge over Caney Fork River), east of Gordonsville, go east on I-40 for 0.9 miles to the station on the right.**

Reference: **46.0 ft E of an orange WITNESS POST 26.2 ft S of I-40 eastbound FOGLINE 16.4 ft N of I-40 eastbound entrance ramp FOGLINE**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-11**  
Condition: **GOOD**

Latitude: 36 08 21.57274

Longitude: -85 48 15.75179

D.A. Northing (US FT) : **657492.2122**  
D.A. Easting (US FT) : **2026385.4958**  
Elevation (US FT) : **514.354**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 127.114

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-11 drive flush**

To Reach: **From the junction of I-40 & mile marker 266 (just west of bridge over Caney Fork River), east of Gordonsville, go east on I-40 for 1.1 miles to the station on the right.**

Reference: **7.8 ft N of an orange WITNESS POST 14.5 ft S of the I-40 eastbound FOGLINE 67.9 ft W of a metal SIGN (Putnam Co.)**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-12**  
Condition: **GOOD**

Latitude: 36 08 23.10166

Longitude: -85 48 10.30113

D.A. Northing (US FT) : **657647.7225**  
D.A. Easting (US FT) : **2026832.2856**  
Elevation (US FT) : **517.906**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 128.202

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Metal survey spike drive flush**

To Reach: **From the junction of I-40 & mile marker 266 (just west of bridge over Caney Fork River), east of Gordonsville, go east on I-40 for 1.2 miles to the station on the right.**

Reference: **3.1 ft N of an orange WITNESS POST 9.2 ft S of the I-40 eastbound FOGLINE 19.2 ft W of a DROP INLET**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-13**  
Condition: **GOOD**

Latitude: 36 08 24.96465

Longitude: -85 48 2.87151

D.A. Northing (US FT) : **657837.3539**  
D.A. Easting (US FT) : **2027441.3272**  
Elevation (US FT) : **523.096**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 129.776

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-13 drive flush**

To Reach: **From the junction of I-40 & mile marker 266 (just west of bridge over Caney Fork River), east of Gordonsville, go east on I-40 for 1.3 miles to the station on the right.**

Reference: **7.5 ft N of an orange WITNESS POST 13.7 ft S of the I-40 eastbound FOGLINE 83.5 ft NE of a metal SIGN (Exit 268/Buffalo Valley Rd.)**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-14**  
Condition: **GOOD**

Latitude: 36 08 26.82118

Longitude: -85 47 55.37081

D.A. Northing (US FT) : **658026.3562**  
D.A. Easting (US FT) : **2028056.1931**  
Elevation (US FT) : **528.016**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 131.258

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Metal survey spike drive flush**

To Reach: **From the junction of I-40 & mile marker 266 (just west of bridge over Caney Fork River), east of Gordonsville, go east on I-40 for 1.4 miles to the station on the right.**

Reference: **3.9 ft N of an orange WITNESS POST 9.4 ft S of I-40 eastbound FOGLINE 53.0 ft W of the southeast end of GUARDRAIL**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-15**  
Condition: **GOOD**

Latitude: 36 08 27.46283

Longitude: -85 47 50.24943

D.A. Northing (US FT) : **658092.1112**  
D.A. Easting (US FT) : **2028476.1423**  
Elevation (US FT) : **531.132**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 132.208

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-15 drive flush**

To Reach: **From the junction of I-40 & mile marker 266 (just west of bridge over Caney Fork River), east of Gordonsville, go east on I-40 for 1.5 miles to the station on the right.**

Reference: **9.5 ft N of an orange WITNESS POST 13.1 ft S of I-40 eastbound FOGLINE**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-16**  
Condition: **GOOD**

Latitude: 36 08 21.21221

Longitude: -85 49 1.72587

D.A. Northing (US FT) : **657448.4625**  
D.A. Easting (US FT) : **2022614.4546**  
Elevation (US FT) : **512.676**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 126.649

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Metal survey spike drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Bufalo Valley Rd.), east of Gordonsville, go west on I-40 for 1.7 miles to the station on the right.**

Reference: **7.0 ft SE of an orange WITNESS POST at guardrail 9.5 ft N of I-40 westbound FOGLINE 176.1 ft E of a metal SIGN (Caney Fork River)**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-17**  
Condition: **GOOD**

Latitude: 36 08 19.65308

Longitude: -85 48 50.24457

D.A. Northing (US FT) : **657292.5672**  
D.A. Easting (US FT) : **2023556.5291**  
Elevation (US FT) : **524.430**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 130.213

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-17 drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Buffalo Valley Rd.), east of Gordonsville, go west on I-40 for 1.5 miles to the station on the right.**

Reference: **31.3 ft S of an orange WITNESS POST 13.1 ft N of I-40 westbound FOGLINE**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-18**  
Condition: **GOOD**

Latitude: 36 08 19.25844

Longitude: -85 48 42.21089

D.A. Northing (US FT) : **657253.9199**  
D.A. Easting (US FT) : **2024215.5876**  
Elevation (US FT) : **531.666**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 132.391

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-18 drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Buffalo Valley Rd.), east of Gordonsville, go west on I-40 for 1.4 miles to the station on the right.**

Reference: **30.4 ft S of an orange WITNESS POST 15.7 ft N of the I-40 westbound FOGLINE**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-19**  
Condition: **GOOD**

Latitude: 36 08 20.10605

Longitude: -85 48 30.85006

D.A. Northing (US FT) : **657341.4421**  
D.A. Easting (US FT) : **2025147.3205**  
Elevation (US FT) : **530.355**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 131.983

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-19 drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Buffalo Valley Rd.), east of Gordonsville, go west on I-40 for 1.2 miles to the station on the right.**

Reference: **21.6 ft S of an orange WITNESS POST at endwall 13.6 ft N of the center of I-40 westbound ENTRANCE RAMP 56.5 ft SW of a metal SIGN (Highway Emergency)**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-20**  
Condition: **GOOD**

Latitude: 36 08 22.29693

Longitude: -85 48 17.84689

D.A. Northing (US FT) : **657565.1035**  
D.A. Easting (US FT) : **2026213.4955**  
Elevation (US FT) : **515.887**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 127.577

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-20 drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Buffalo Valley Rd.), east of Gordonsville, go west on I-40 for 1.0 miles to the station on the right.**

Reference: **4.2 ft N of a orange WITNESS POST 16.8 ft S of I-40 westbound FOGLINE 100.3 ft E of metal SIGN (Rest Area)**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-21**  
Condition: **GOOD**

Latitude: 36 08 24.06385

Longitude: -85 48 10.74833

D.A. Northing (US FT) : **657744.9513**  
D.A. Easting (US FT) : **2026795.4074**  
Elevation (US FT) : **517.648**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 128.132

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Metal survey spike drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Buffalo Valley Rd.), east of Gordonsville, go west on I-40 for 0.9 miles to the station on the right.**

Reference: **4.7 ft S of an orange WITNESS POST 9.9 ft N of I-40 westbound FOGLINE 27.1 ft W of the center of 2 DROP INLETS**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-22**  
Condition: **GOOD**

Latitude: 36 08 25.36258

Longitude: -85 48 5.69617

D.A. Northing (US FT) : **657877.1243**  
D.A. Easting (US FT) : **2027209.5503**  
Elevation (US FT) : **521.906**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 129.419

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Metal survey spike drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Buffalo Valley Rd.), east of Gordonsville, go west on I-40 for 0.8 miles to the station on the right.**

Reference: **4.2 ft S of an orange WITNESS POST 9.3 ft N of I-40 westbound FOGLINE 79.4 ft W of the northwest end of GUARDRAIL 149.9 ft E of northeast end of GUARDRAIL**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-23**  
Condition: **GOOD**

Latitude: 36 08 28.06434

Longitude: -85 47 54.45340

D.A. Northing (US FT) : **658152.2278**  
D.A. Easting (US FT) : **2028131.1846**  
Elevation (US FT) : **532.407**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 132.623

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-23 drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Buffalo Valley Rd.), east of Gordonsville, go west on I-40 for 0.6 miles to the station on the right.**

Reference: **11.9 ft S of an orange WITNESS POST 13.8 ft N of I-40 westbound FOGLINE 13.3 ft SE of the northeast end of GUARDRAIL**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-24**  
Condition: **GOOD**

Latitude: 36 08 25.71114

Longitude: -85 48 25.56165

D.A. Northing (US FT) : **657909.1152**  
D.A. Easting (US FT) : **2025579.9985**  
Elevation (US FT) : **523.783**

Horizontal Datum: **NAD 1983**  
Vertical Datum: **NAVD 1988**  
Vertical Order: **GPS**

D.A. Factor: **1.00006**  
Scale Factor: **1**  
Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 129.973

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-24 drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Buffalo Valley Rd.), east of Gordonsville, go west on I-40 for 0.9 miles to the rest area exit, continue straight through the parking lot access road to the station on the right.**

Reference: **32.8 ft N of an orange WITNESS POST at a sign (Angler Parking)  
33.5 ft NW of the FOGLINE 137.6 ft SW of a concrete ENDWALL**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data



Filename: **SM040-04**  
County: **SMITH**  
Year Set: **2023**

Point Name: **80-040-25**  
Condition: **GOOD**

Latitude: 36 08 30.00650

Longitude: -85 48 24.29893

D.A. Northing (US FT) : **658343.6933**

D.A. Easting (US FT) : **2025682.7167**

Elevation (US FT) : **503.571**

Horizontal Datum: **NAD 1983**

D.A. Factor: **1.00006**

Vertical Datum: **NAVD 1988**

Scale Factor: **1**

Vertical Order: **GPS**

Geoid: **g2018u0.gtx**

Ellipsoid Height (M): 123.825

Party Chief: J. Ryan

Described By: J. Ryan

Processed By: T. Boguskie

Monument Type: **Aluminum disk atop 5/8" rebar stamped 80-040-25 drive flush**

To Reach: **From the junction of I-40 & S.R. 96 (Exit 268/Buffalo Valley Rd.), east of Gordonsville, go west on I-40 for 0.9 miles to the rest area exit, continue through the parking lot access road. Turn right and go 0.1 mi. to the station on the right.**

Reference: **10.0 ft N of an orange WITNESS POST 27.2 ft E of a meta SIGN (Angler Parking) 111.4 ft NW of an ENDWALL**

Region 1 7366 Region Ln, Knoxville, TN 37914  
Region 2 7512 Volkswagen Dr, Chattanooga, TN 37422  
Region 3 6601 Centennial Blvd, Nashville, TN 37243  
Region 4 300 Benchmark Pl, Jackson, TN 38302

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# Geodetic Project Control Data

