

Indiana Department of Natural Resources  
Division of Water

**CASS COUNTY**

Bench Mark Publication

## Cass County

### USC&GS BM Q 128, 1946

In Cass County, Lucerne Quad., in the NE ¼ of Section 26, T. 27 N., R. 1 W., 2<sup>nd</sup> P.M.; about 6 miles west of Logansport; at the intersection of 600 West Road, U.S. 24 and a railroad; set in the northwest concrete bridge seat of the 600 West Road wooden bridge over the railroad tracks, about 100 feet south of the centerline of U.S. 24, 10 feet west of the centerline of 600 West Road, 2.0 feet east of the west face of the northwest concrete bridge seat, 1.2 feet north of the south face of the concrete bridge seat, about 3.5 feet below the road; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "Q 128 1946".

690.363 feet NAVD 1988

690.730 feet NGVD 1929

### USC&GS BM R 128, 1946

In Cass County, Lucerne Quad., in the SE ¼ of Section 14, T. 27 N., R. 1 W., 2<sup>nd</sup> P.M.; about 6 miles west of Logansport; Beginning at the intersection of 600 west road and U.S. 24 proceed north along 600 west road about 1 mile to the intersection of 600 west road and 100 north road, thence about 300± feet west along 100 north road to the station on the north side of 100 North Road; set in top of a concrete post, 19.5 feet north of the centerline of 100 North Road, 42.0 feet southwest of the southwest corner of an old abandoned building, 63.5 feet southwest of the northwest corner the same building, 36 feet north of power pole # 03I006, about 0.1 foot above the ground; a U.S. Coast and Geodetic Survey benchmark tablet, stamped "R 128 1946".

690.845 feet NAVD 1988

691.213 feet NGVD 1929

### DNR TBM CICOTT 1, 2000

In Cass County, Burnettsville Quad., in the SE ¼ of Section 21, T. 27 N., R. 1 W., 2<sup>nd</sup> P.M.; at Lake Cicott; in the NE ¼ of the intersection of 825 West Road and Church Street; set in the west side of a power pole, 32.0 feet north of the centerline of Church street, 15.0 feet east of the centerline of 825 West Road, 10 feet southwest of the west most post for the "LAKE CICOTT U.M. CHRCH" sign, about 1.5 feet above the ground; a railroad spike driven through an aluminum tag, stamped "IDNR TBM CICOTT 1 2000".

705.436 feet NAVD 1988

705.803 feet NGVD 1929

DNR TBM CICOTT 2, 2000

In Cass County, Burnettsville Quad., in the SE ¼ of Section 21, T. 27 N., R. 1 W., 2<sup>nd</sup> P.M.; at Lake Cicott; about 0.25 miles north and west along 825 West Road from its intersection with U.S. 24; set in the south side of power pole # 478, on the north side of Lake Cicott, 14.5 feet north of the centerline of 825 West Road, 37.0 feet east southeast of the "WATCH FOR SCHOOL BUS" sign post, 62.0 feet east-northeast of the centerline of the wood stairs leading to the lake on the south side of 825 West Road, 1.1 feet above the ground; a railroad spike driven through an aluminum tag, stamped "IDNR TBM CICOTT 2000".

711.149 feet NAVD 1988

711.516 feet NGVD 1929

DNR TBM CICOTT 3, 2000

In Cass County, Burnettsville Quad, in the NE ¼ of Section 28, T. 27 N., R. 1 W., 2<sup>nd</sup> P.M.; at Lake Cicott; about 0.3 mile west along U.S. 24 from its intersection with 825 West Road; set in the north side of power pole # 01J094, 200± feet west of a "LAKE CICOTT" sign, 50 feet north of the north rail of railroad tracks, 13.5 feet south of the south edge of U.S. 24, 1.7 feet above the ground; a railroad spike driven through an aluminum tag, stamped "IDNR TBM CICOTT 3 2000".

715.394 feet NAVD 1988

715.761 feet NGVD 1929

DNR TBM CICOTT 4, 2000

In Cass County, Burnettsville Quad, in the SW ¼ of Section 21, T. 27 N., R. 1 W., 2<sup>nd</sup> P.M.; at Lake Cicott; about 0.45 miles west along U.S. 24 from its intersection with 825 West Road to a drive leading to an Convenience store on the north side of U.S. 24, on the south side of Lake Cicott near the east side of a mobile home park; set in the northeast side of a power pole, about 350± feet north of U.S. 24, 9.8 feet northwest of northeast corner of a concrete sewage catch basin, a breaker box is next to the power pole on the southwest side; a railroad spike driven through an aluminum tag, stamped "IDNR TBM CICOTT 4 2000".

708.364 feet NAVD 1988

708.732 feet NGVD 1929

DNR TBM CICOTT 5, 2000

In Cass County, Burnettsville Quad, in the NE ¼ of Section 27, T. 27 N., R. 1 W., 2<sup>nd</sup> P.M.; about 1 mile east of Lake Cicott; about 1.0 mile east along U.S. 24 from its intersection with 825 West Road to "WORMAN' LAKE CAMPGROUND"; set in the south side of power pole # 02J050, 51 feet north of the north rail of the railroad tracks, 6.5 feet south of the south edge of U.S. 24, 6 feet south of an aluminum guardrail, 1.3 feet above the ground; a railroad spike driven through an aluminum tag, stamped "IDNR TBM CICOTT 5 2000".

665.139 feet NAVD 1988

665.506 feet NGVD 1929

IDOH BM CASS L 608

In Cass County, Onward Quad., in Grant 32, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; at Lewisburg; set on top of the northeast concrete abutment of the 150 South Road bridge over Pipe Creek, at the confluence of the Wabash River, 16 feet northeast of the centerline of 150 South Road, 9.9 feet northwest of the southwest end of the concrete abutment, 0.55 foot southeast of the northwest face of the abutment, 0.55 foot southwest of the northeast face of the abutment, 0.55 foot northeast of the southwest face of the abutment, about level with the bridge deck; a Indiana Department of Highways bench mark tablet, stamped "CASS L 608".

3<sup>rd</sup> Order

628.208 feet NGVD 1929

DNR TBM WABR 22, 2004

In Cass County, Onward Quad., in Grant 7, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; about 0.3 mile northwest of Lewisburg; at the northeast bound U. S. 24 bridge over the Wabash River; set on the southwest side of the Wabash River, on the southeast concrete abutment of the bridge, 25 feet southeast of the centerline of the northeast bound lanes of the bridge, 15 feet southwest of the northeast face of the abutment, 1.0 foot northeast of the southwest face of the abutment, 0.55 foot northwest of the southeast face of the abutment, 0.55 foot southeast of the northwest face of the abutment, about level with the bridge deck; a cut triangle.

3<sup>rd</sup> Order

635.375 feet NGVD 1929

IDOT BM CASS L 805

In Cass County, Onward Quad., in Grant 7, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; about 0.3 mile northwest of Lewisburg; at the southwest bound U. S. 24 bridge over the Wabash River; set on the southwest side of the Wabash River, on the northwest concrete abutment of the bridge, 24.7 feet northwest of the centerline of the southwest bound lanes of the bridge, 12.8 feet southwest of the northeast face of the abutment, 3.2 feet northeast of the southwest face of the abutment, 0.8 foot northwest of the northwest face of the concrete guardrail, 0.55 foot southeast of the northwest face of the abutment, about level with the bridge deck. a Indiana Department of Highways BM tablet, stamped "CASS L 805".

3<sup>rd</sup> Order

634.520 feet NGVD 1929

IDOT BM CASS L 806

In Cass County, Onward Quad., in Grant 7, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; about 0.3 mile northwest of Lewisburg; at the northeast bound U. S. 24 bridge over the Wabash River; set on the northeast side of the Wabash River, on the southeast concrete abutment of the bridge, 25 feet southeast of the centerline of the northeast bound lanes of the bridge, 13.8 feet northeast of the southwest face of the abutment, 2.1 feet southwest of the northeast face of the abutment, 0.6 foot northwest of the southeast face of the concrete abutment, 0.8 foot southeast of the southeast face of the concrete guardrail, about level with the bridge deck; a Indiana Department of Transportation bench mark tablet, stamped "CASS L 806".

3<sup>rd</sup> Order

651.718 feet NGVD 1929

SHCOI BM L 568 CASS

In Cass County, Logansport Quad., in the SE ¼ of Section 26, T. 27 N., R. 2 E., 2<sup>nd</sup> P. M.; about 2.5 mile east of Logansport; at the 600 East Road bridge over the Wabash River; set in top of the southwest concrete abutment of the bridge. 20.3 feet west of the centerline of 600 East Road, 7.75 feet north of the south end of the abutment, 5.75 feet south of the north end of the abutment, 2.8 feet west of the east face of the concrete wheel guard of the bridge, 0.6 foot east of the west face of the abutment, about 0.8 foot above the level of the concrete bridge deck; a State Highway Commission of Indiana BM tablet, stamped "L 568 CASS".

3<sup>rd</sup> Order

629.371 feet NGVD 1929

DNR TBM WABR 23, 2004

In Cass County, Anoka Quad., in Grant 31, T. 27 N., R. 2 E., 2<sup>nd</sup> P. M.; at Logansport; at the southeast corner of the 18<sup>th</sup> Street bridge over the Wabash River; set on the concrete notch of the bridge deck, 24 feet east of the centerline of 18<sup>th</sup> Street, 6.8 feet east of the east face of the concrete guardrail, 0.6 foot west of the west face of the concrete bridge deck, 0.6 foot south of the north face of a notch in the concrete bridge deck, 3.6 feet north of the north face of an expansion joint, about level with 18<sup>th</sup> street; a cut triangle.

3<sup>rd</sup> Order

606.73 feet NGVD 1929

606.34 feet NAVD 1988

DNR TBM WABR 24, 2004

In Cass County, Anoka Quad., in Grant 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; on the south side of Biddle Island, at the Burlington Avenue (3<sup>rd</sup> Street) bridge over the Wabash River; set on the top of the southeast corner of the concrete pad for an electric junction box, 35.7 feet northwest of the north end of the west concrete guardrail for the bridge, 13.0 feet east of the southwest corner of the concrete pad, 10.9 feet south of the northeast corner of the pad, 2.0 feet southeast of the southeast corner of the metal electric junction box, 1.5 feet north of the center of a metal manhole cover, about 3 feet above the level of the road; a cut line forming a triangle.

3<sup>rd</sup> Order

598.05 feet NGVD 1929

597.65 feet NAVD 1988

DNR TBM WABR 25, 2004

In Cass County, Anoka Quad., in Grant 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; on the south side of Biddle Island, at the Railroad bridge over the Wabash River; set on the north most concrete wingwall of the railroad bridge, 7.8 feet northwest of the northwest most rail of the railroad tracks, 2.35 feet northeast of the northeast face of the steel guardrail, 0.6 foot northeast of the southwest face of the concrete wingwall, 0.85 foot southwest of the northeast face of the wingwall, 0.6 foot northwest of the edge of concrete wingwall and steel decking for the guardrail, about level with the railroad tracks; a cut triangle.

3<sup>rd</sup> Order

606.58 feet NGVD 1929

606.19 feet NAVD 1988

IDOH BM CASS L 583

In Cass County, Logansport Quad., in Grant 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; on the north side of Biddle Island, at the Burlington Avenue (3<sup>rd</sup> Street) bridge over the Wabash River, at the southwest corner of the bridge; set in the base of a concrete guardrail, almost under an aluminum guardrail for the bridge. 30.5 feet west of the centerline of the road, 13.6 feet south of the south expansion joint, 6.2 feet west of the east face of the concrete curb, 2.7 feet below the top of the concrete guardrail. 0.3 foot north of the south face of the west concrete guardrail, 0.3 foot above the sidewalk; a Indiana Department of Highways bench mark tablet, stamped "CASS L 583".

3<sup>rd</sup> Order

596.21 feet NGVD 1929

595.81 feet NAVD 1988

DNR TBM WABR 26, 2004

In Cass County, Clymers Quad., in the NE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the southwest corner of the Cicott Street bridge over the Wabash River; set on the southwest end of the west concrete guardrail of the bridge, 30 feet north of the centerline of Cliff Drive, 55 feet west of the centerline of Cicott Street, 0.5 foot north of the south face of the concrete guardrail, 0.2 foot east of the west face of the concrete guardrail, 0.2 foot south of the north face of the concrete guardrail, about 3 feet above the ground; two cut lines forming a square.

3<sup>rd</sup> Order

596.36 feet NGVD 1929

595.96 feet NAVD 1988

IDOH BM CASS L 818

In Cass County, Clymers Quad., in the NE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the northeast corner of the Cicott Street bridge over the Wabash River; set on top of the north end of the east concrete guardrail (curving northeast) of the bridge, 35 feet south of the centerline of Wabash Avenue, 32 feet east of the centerline of Cicott Street, 1.1 feet southwest of the northeast face of the concrete guardrail at the expansion joint and a curved section of the concrete guardrail, 0.4 foot southeast of the northwest face of the guardrail, 0.4 foot northwest of the southeast face of the guardrail, about 3.6 feet above the sidewalk; a Indiana Department of Transportation bench mark tablet, stamped "CASS L 818".

3<sup>rd</sup> order

599.580 feet NGVD 1929

DNR TBM WABR 27, 2004

In Cass County, Clymers Quad., in the NW ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; set on the southeast concrete bridge abutment of the steel truss railroad bridge over the Wabash River, 32 feet north of the centerline of Cliff Drive, 6.5 feet east of the east rail of the railroad tracks, 0.8 foot west of the west edge of the concrete abutment where the elevations drops, 1.1 feet south of the north face of the abutment, 0.9 foot north of the south face of the abutment, about 1.5 feet below the railroad tracks; a cut triangle.

3<sup>rd</sup> Order

598.803 feet NGVD 1929

DNR TBM WABR 28, 2004

In Cass County, Clymers Quad., in the NW ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; set on the northeast concrete bridge abutment of the steel truss railroad bridge over the Wabash River, 35 feet south of the centerline of Wabash Avenue, 6.9 feet east of the east rail of the railroad tracks, 1.85 feet north of the south face of the abutment, 0.2 foot west of the west edge of the concrete abutment where the elevations drops, 0.1 feet south of the north face of the abutment, about 1.5 feet below the railroad tracks; three chiseled lines forming a square.

3<sup>rd</sup> Order

598.883 feet NGVD 1929

DNR TBM WABR 29, 2004

In Cass County, Clymers Quad., in the NW ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; set on the northeast concrete bridge seat of the steel truss railroad bridge over the Wabash River, 38.5 feet south of the centerline of Wabash Avenue, 10 feet east of the east rail of the railroad tracks, 2.4 feet south of the south face of the concrete wingwall abutment, 3.8 feet north of the south face of the bridge seat, about 6.5 feet below the railroad tracks; a chiseled triangle.

3<sup>rd</sup> Order

593.870 feet NGVD 1929



DNR TBM WABR 30, 2004

In Cass County, Clymers Quad., in the NE ¼ of Section 34, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M. at Logansport; in the southwest ¼ of the intersection of U. S 35 and Cliff Drive, under the U. S. 35 bridge over Cliff Drive and the Wabash River; set in the southeast side of a power pole, 21 feet south of the centerline of Cliff Drive, 20 feet west of the west face of the U. S. 35 bridge, 0.5 foot above the ground; a railroad spike driven through an aluminum tag, stamped "IDNR TBM WABR 30 2004".

3<sup>rd</sup> Order

592.188 feet NGVD 1929

IDOH BM CASS L 715

In Cass County, Clymers Quad., in the NE ¼ of Section 34, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the U. S. 35 (By Pass) bridge over the Wabash River and Cliff Drive; set on top of the south end of the west concrete guardrail of the southeast bound lanes of the bridge, 32.5 feet west of the centerline of the bridge, 2.0 feet north of the south end of the guardrail, 0.35 foot east of the west face of the guardrail, 0.35 foot west of the east face of the guardrail, about 2.8 feet above the bridge deck; a Indiana Department of Highways BM tablet, stamped "IDOH BM CASS L 715".

3<sup>rd</sup> Order

612.566 feet NGVD 1929

IDOH BM CASS L 664

In Cass County, Burrows Quad., set in a Grant, T. 27 N., R. 1 W., 2<sup>nd</sup> P. M.; at Georgetown; at the 675 West Road bridge over the Wabash River; set on the northwest side of the Wabash River on the north concrete bridge abutment, 18 feet northeast of the centerline of 675 West Road, 0.6 foot southeast of the northeast face of the concrete abutment, 7.3 feet northwest of the southeast face of the abutment at the expansion joint, 0.45 foot southwest of the northeast face of the concrete abutment, 0.45 foot northeast of the southwest face of the abutment, about level with the road; a Indiana Department of Highways BM tablet, stamped "CASS L 664".

GPS Elevation

578.02 feet NGVD 1929

DNR TBM CASSCO 1, 2004

In Cass County, Onward Quad., in the NW ¼ of Sec. 1, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; about 1.0 mile south of Lewisburg; at the 250 South Road bridge over Pipe Creek; set in the top of the northeast concrete wingwall of the bridge, 13.4 feet north of the centerline of the road, 2.1 feet west of the east face of the wingwall, 0.9 foot east of the west face of the wingwall, 0.7 foot north of the north face of the concrete bridge deck; a cut triangle

3<sup>rd</sup> Order

653.425 feet N.G.V.D. 1929

DNR TBM CASSCO 2, 2004

In Cass County, Onward Quad., in the NW ¼ of Sec. 1, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; about 1.25 miles south of Lewisburg; at the 825 East Road bridge over Pipe Creek; set in the top of the southeast concrete wingwall of the bridge, 15.0 feet south of the centerline of the road, 2.3 feet south of the metal guardrail of the bridge, 1.8 feet southeast of the east end of the south concrete guardrail of the bridge, 1.0 foot west of the east end of the wingwall, 0.6 foot south of the north face of the wingwall, 0.4 foot north of the south face of the wingwall, level with the concrete bridge deck; a cut triangle.

3<sup>rd</sup> Order

663.415 feet N.G.V.D. 1929

DNR TBM CASSCO 3, 2004

In Cass County, Onward Quad., in the NW ¼ of Sec. 4, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; about 1.7 miles southeast of Lewisburg; at the 925 East Road wood bridge over Pipe Creek; set in the top of the northeast wood wheel guard, 13.5 feet northeast of the centerline of the road, 0.8 foot above the asphalt bridge deck, 0.3 foot northwest of the southeast end of the wood wheel guard, 0.3 foot southwest of the northeast face of the wood wheel guard, 0.3 foot northeast of the southwest face of the wood wheel guard; a metal bolt head, stamped "DNR TBM CASSCO 3".

3<sup>rd</sup> Order

688.970 feet N.G.V.D. 1929

DNR TBM CASSCO 4, 2004

In Cass County, Onward Quad., in the NE ¼ of Sec. 10, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; about 1.7 miles northeast of Onward; at the 350 South Road wood bridge over Pipe Creek; set in the top of the northeast end of the northwest wood wheel guard, 12.5 feet northwest of the centerline of the road, 0.8 foot above the asphalt bridge deck, 0.4 foot southwest of the northeast end of the wood wheel guard, 0.35 foot southeast of the northwest face of the wood wheel guard, 0.35 foot northwest of the southeast face of the wood wheel guard; a metal bolt head, stamped "DNR TBM CASSCO 4".

3<sup>rd</sup> Order

701.010 feet N.G.V.D. 1929

DNR TBM CASSCO 5, 2004

In Cass County, Onward Quad., in the NE ¼ of Sec. 9, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; about 1.3 miles north of Onward; about 0.2 mile west along 350 South Road from its "T" road intersection with 950 East Road, at a concrete box culvert under 350 South Road; set in the top of the south concrete headwall of the culvert, 48.2 feet southwest of and across the road from power pole # P 378, 12.5 feet south of the centerline of the road, 10.0 feet west of the east end of the headwall, 4.25 feet east of the west end of the concrete headwall, 1.1 feet above the road, 0.65 foot north of the south face of the concrete headwall, 0.35 foot south of the north face of the concrete headwall; a cut triangle.

3<sup>rd</sup> Order

732.445 feet N.G.V.D. 1929

DNR TBM CASSCO 6, 2004

In Cass County, Onward Quad., in Grant No. 1, T. 26 N., R. 3 E., 2<sup>nd</sup> P. M.; about 1.2 miles southeast of Lewisburg; about 0.4 mile west along 275 South Road from its intersection with 925 East Road to a four foot metal pipe culvert under 275 South Road; set in the top of the south concrete headwall of the culvert, 108.4 feet east of and across the road from utility pole # P-3/38W/34W/2 with a guy wire to the north, 26.4 feet west of the east end of the headwall, 10.0 feet south of the centerline of the road, 1.2 feet north of the south face of the concrete headwall, 0.35 foot east of the west end of the concrete headwall, 0.3 foot south of the north face of the concrete headwall; a cut square.

3<sup>rd</sup> Order

693.970 feet N.G.V.D. 1929

DNR TBM CASSCO 7, 2007

In Cass County, Galveston Quad., in the NW ¼ of Sec. 29, T. 25 N., R. 3 E., 2<sup>nd</sup> P. M.; about 2.7 miles northwest of Galveston; at the 700 East Road bridge over Deer Creek; set in the top of the northeast concrete abutment of the bridge, 16.0 feet east of the centerline of the road, 7.1 feet south of the north end of the abutment, 4.2 feet north of the south end of the abutment, 0.7 foot northeast of the northeast corner of the concrete bridge deck, 0.55 foot west of the east face of the abutment, 0.45 foot east of the west face of the abutment, 0.4 foot north of the extended north end of the concrete bridge deck, level with the top of the concrete bridge deck; a cut triangle.

3<sup>rd</sup> Order

756.019 feet N.G.V.D. 1929

DNR TBM CASSCO 8, 2007

In Cass County, Young America Quad., in the NW ¼ of Sec. 22, T. 25 N., R. 2 E., 2<sup>nd</sup> P. M.; about 3.0 miles northeast of Young America; at the 400 East Road bridge (Cass County Bridge No. 156) over Deer Creek; set in the top of the northeast wood bridge seat, 13.0 feet east of the centerline of the road, 2.0 feet above the top of a round wood bridge piling, 1.0 foot east of the east face of the wood wheel guard of the bridge, 0.7 foot northeast of the northeast corner of a wood guardrail support post, 0.4 foot northwest of the southeast face of the wood bridge seat, about level with the road; a two inch metal bolt end cap with a cut cross.

3<sup>rd</sup> Order

778.915 feet N.G.V.D. 1929

DNR TBM CASSCO 9, 2007

In Cass County, Young America Quad., in the SE ¼ of Sec. 20, T. 25 N., R. 2 E., 2<sup>nd</sup> P. M.; about 2.0 miles northeast of Young America; at the 300 East Road bridge over Deer Creek; set in the top of the northwest concrete abutment of the bridge, 14.2 feet west of the centerline of the road, 8.8 feet south of the north end of the abutment, 1.2 feet north of the south end of the abutment, 0.9 foot southeast of the southwest corner of a bronze bridge plaque, 0.9 foot southwest of the southeast corner of a bronze bridge plaque, 0.75 foot east of the west face of the abutment, 0.7 foot south of the south edge of a bronze bridge plaque, about 0.2 foot below the top of the concrete bridge deck; a cut triangle.

GPS ELEVATION

727.16 feet N.G.V.D. 1929

DNR TBM CASSCO 10, 2007

In Cass County, Young America Quad., in the SW ¼ of Sec. 13, T. 25 N., R. 1 E., 2<sup>nd</sup> P. M.; about 2.5 miles northwest of Young America; at the 50 East Road bridge over Deer Creek; set in the top of the northwest concrete abutment of the bridge, 13.8 feet west of the centerline of the road, 6.0 feet north of the south end of the abutment, 5.0 feet south of the north end of the abutment, 1.5 feet southwest of a metal sign post, 0.65 foot west of the northwest corner of the concrete base of the guardrail of the bridge, 0.5 foot east of the west face of the abutment, level with the top of the concrete bridge deck, on the extended line of the north end of the concrete bridge deck; a cut triangle.

3<sup>rd</sup> ORDER

707.804 feet N.G.V.D. 1929

DNR TBM CASSCO 11, 2007

In Cass County, Galveston Quad., in the SE ¼ of Sec. 14, T. 25 N., R. 3 E., 2<sup>nd</sup> P. M.; about 2.3 miles northeast of Galveston; at the intersection of the Cass/Miami County Line Road and 1100 South Road, in the northwest ¼ of the intersection; set in the south side of power pole # L 1/67 S/5, 21.0 feet west of the centerline of the Cass/Miami County Line Road, 19.5 feet north of the centerline of 1100 South Road, 1.6 feet northwest of a metal road sign post, 1.2 feet above the ground; a boat spike.

GPS ELEVATION

775.87 feet N.G.V.D. 1929

DNR TBM CASSCO 12, 2007

In Cass County, Galveston Quad., in the NW ¼ of Sec. 22, T. 25 N., R. 3 E., 2<sup>nd</sup> P. M.; about 1.5 miles north of Galveston; at the "T" road intersection of 1000 East Road and 1100 South Road; set in the south side of power pole # L 1/40 S/8 E, 44.5 feet east of the centerline of 1000 East Road, 28.0 feet south of the centerline of 1100 South Road, 0.5 foot above the ground; a railroad spike driven through a aluminum tag, stamped "CASSCO 12 2007".

Note : the railroad spike was driven crooked.

GPS ELEVATION

768.88 feet N.G.V.D. 1929

IDOT BM CASS L 787

In Cass County, Galveston Quad., in the NW ¼ of Sec. 21, T. 25 N., R. 3 E., 2<sup>nd</sup> P. M.; about 1.5 miles northwest of Galveston; at the U.S. 35 bridge over Deer Creek; set in the top of the southwest concrete abutment of the bridge, 24.5 feet southwest of the centerline of the road, 14.8 feet southeast of the northwest end of the abutment, 1.25 feet northwest of the southeast end of the abutment, 0.85 foot southwest of the southwest face of the concrete guardrail of the bridge, 0.5 foot northeast of the southwest face of the abutment, level with the top of the concrete bridge deck; a Indiana Department of Transportation bench mark tablet, stamped "CASS L 787".

3<sup>rd</sup> ORDER

765.440 feet N.G.V.D. 1929

IDOT BM CASS L 801

In Cass County, Young America Quad., in the SE ¼ of Sec. 22, T. 25 N., R. 3 E., 2<sup>nd</sup> P. M.; about 1.5 miles northeast of Young America; at the 500 East Road bridge (Cass County Bridge No. 158) over Deer Creek; set in the top of the southwest concrete abutment of the bridge, 15.5 feet west of the centerline of the road, 7.4 feet north of the south end of the abutment, 1.8 feet northwest of the southwest corner of the west concrete guardrail of the bridge, 1.4 feet north of the south end of the concrete bridge deck, 1.4 feet southeast of the northwest corner of the abutment, 1.1 feet south of the north face of the abutment, 0.9 foot east of the west face of the abutment, level with the top of the concrete bridge deck; a Indiana Department of Transportation bench mark tablet, stamped "CASS L 801".

3<sup>rd</sup> ORDER

742.137 feet N.G.V.D. 1929

IDOT BM CASS L 857

In Cass County, Young America Quad., in the NE ¼ of Sec. 19, T. 25 N., R. 2 E., 2<sup>nd</sup> P. M.; about 2.3 miles north-northeast of Young America; at the Morgan Hill (200 East Road) bridge over Deer Creek; set in the top of the south end of the west concrete guardrail of the bridge, 13.2 feet west of the centerline of the road, 2.75 feet above the top of the concrete bridge deck, 2.2 feet south of the north end of the metal guardrail that is attached to the concrete guardrail, 1.9 feet north of the south end of the concrete guardrail, 0.4 foot east of the west face of the concrete guardrail; a Indiana Department of Transportation bench mark tablet, stamped "CASS L 857".

GPS ELEVATION

719.66 feet N.G.V.D. 1929

DNR TBM GOOSE 1, 1993

In Cass County, Clymers Quad., in the NE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the Cliff Drive bridge over Goose Creek; set in the south side of the second utility pole east of the bridge, 17.0 feet south of the centerline of the road, 3.2 feet south of a metal guardrail, 1.6 feet above the ground; a railroad spike driven through a aluminum tag, stamped "DNR TBM GOOSE 1 1993".

592.643 feet N.G.V.D. 1929= Superseded elevation

592.73 feet NGVD 1929                      3<sup>rd</sup> Order                      592.34 feet NAVD 1988

DNR TBM GOOSE 2, 1993

In Cass County, Clymers Quad., in the NE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the South Cicott Street bridge over Goose Creek; set in the top of the southeast wingwall of the bridge, 70.5 feet north of the centerline of Bartlett Street, 28.6 feet east of the centerline of Cicott Street, level with Cicott Street; a chiseled triangle.

591.311 feet N.G.V.D. 1929    3<sup>rd</sup> Order                      Destroyed

DNR TBM GOOSE 3, 1993

In Cass County, Clymers Quad., in the SE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the intersection of Kloenne Street and Schultz Street; set in the northeast side of utility pole # 076SE091, 24.5 feet south of the centerline of Schultz Street, 16.5 feet west of the centerline of Kloenne Street, 1.7 feet above the ground; a railroad spike driven through a aluminum tag, stamped "DNR TBM GOOSE 3 1993".

592.623 feet N.G.V.D. 1929    Superseded elevation

592.71 feet NGVD 1929                      3<sup>rd</sup> Order                      592.32 feet NAVD 1988

DNR TBM GOOSE 4, 1993

In Cass County, Clymers Quad., in the SE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the Burlington Avenue (old State Road 29) bridge over Goose Creek; set in the top of the southwest wingwall of the bridge, 33.5 feet southeast of utility pole # 08LSW033, 32.5 feet northeast of a metal "JOHN DEER" sign post, 28.5 feet northwest of the centerline of the road, level with the road; a chiseled triangle.  
597.271 feet N.G.V.D. 1929      3<sup>rd</sup> Order      **Destroyed – new bridge**

DNR TBM CASSCO 17, 2007

In Cass County, Anoka Quad., in the SE ¼ of Section 35, T. 27 N., R 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the Culbertson Street twin CMP pipe arches over Goose Creek; set in the top of the northwest corner of the west most metal "I" beam support post for the north metal guardrail for the CMP'S, 16 feet north of the centerline of Culbertson Street, 44 feet east of the extended centerline of Frank Street, 1.6 feet east of the west end of the metal guardrail, about 2.5 feet above the road; a cut notch.  
3<sup>rd</sup> Order

594.00 feet NGVD 1929

593.60 feet NAVD 1988

DNR TBM CASSCO 18, 2007

In Cass County, Anoka Quad., in the SE ¼ of Section 35, T. 27 N., R 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the Biddle Street bridge over Goose Creek; set on top of the northeast concrete wingwall of the bridge, 23 feet north of the centerline of Biddle Street, 9.3 feet north of the north metal guardrail of the bridge, 2.7 feet south of the center of a 1.0 foot diameter utility pipe crossing over Goose Creek, 0.5 foot north of the north face of the concrete headwall of the bridge, 0.4 foot east of the west face of the wingwall, 0.4 foot west of the east face of the wingwall; a cut triangle.  
3<sup>rd</sup> Order

594.64 feet NGVD 1929

594.24 feet NAVD 1988



DNR TBM CASSCO 19, 2007

In Cass County, Anoka Quad., in the SE ¼ of Section 35, T. 27 N., R 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the Burlington Avenue bridge over Goose Creek; set on top of the southwest end of the southeast concrete headwall of the bridge, 30 feet southeast of the centerline of Burlington Avenue, 0.6 foot northeast of the southwest face of the headwall, 0.5 foot northwest of the southeast face of the headwall, 0.5 foot southeast of the northwest face of the headwall, about 1.5 feet below the road; a cut triangle.

3<sup>rd</sup> Order

597.16 feet NGVD 1929

596.76 feet NAVD 1988

DNR TBM CASSCO 20, 2007

In Cass County, Anoka Quad., in a grant, T. 27 N., R 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the Humphrey Street bridge over Goose Creek; set in top of the southwest end of the southeast concrete headwall of the bridge, 13 feet southeast of the centerline of the Humphrey Street, 0.65 foot northeast of the southwest end of the headwall, 1.1 feet southwest of the metal "I" beam support post (mounted on the headwall) of the metal guardrail, 0.65 foot southeast of the northwest face of the headwall, 0.65 foot northwest of the southeast face of the headwall, about 0.1 foot above the centerline of the road; a cut triangle.

3<sup>rd</sup> Order

599.47 feet NGVD 1929

599.07 feet NAVD 1988

IDOT BM CASS L 971

In Cass County, Clymers Quad., in the SE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the State Road 25/Cicott Street bridge over Goose Creek; set in top of the northwest concrete wingwall of the bridge, 26 feet northwest of the centerline of the southwest bound lanes of State Road 25, 7.0 feet southwest of the southeast end of the northwest concrete headwall of the bridge and the northeast end of the wingwall, 6.1 feet northeast of the southwest end of the wingwall, 0.5 foot southeast of the northwest face of the wingwall, 0.5 foot northwest of the southeast face of the wingwall; a Indiana Department of Transportation bench mark tablet, stamped " CASS L 971".

3<sup>rd</sup> Order

589.70 feet NGVD 1929

589.30 feet NAVD 1988

DNR BM CASS 1 2007

In Cass County, Clymers Quad., in the SE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the Bartlett Street bridge over Goose Creek; set in the top of the west end of the concrete base of the south metal guardrail of the bridge, 18.5 feet south of the centerline of the bridge, 1.8 feet above the top of the concrete bridge deck, 1.0 foot west of the west face of a four-inch square metal guardrail support post, 0.6 foot south of the north face of the concrete base of the south metal guardrail, 0.3 foot east of the west end of the concrete base of the south metal guardrail, 0.3 foot north of the south face of the concrete base of the south metal guardrail; a Indiana Department of Natural Resources brass control station tablet, stamped "CASS 1 2007".

3<sup>rd</sup> Order

592.265 feet NGVD 1929

591.865 feet NAVD 1988

DNR TBM 103107-1

In Cass County, Clymers Quad., in the NE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the Cliff Drive bridge over Goose Creek; set in the southwest concrete wingwall of the bridge, 19.0 feet south of the centerline of Cliff Drive, 9.0 feet southwest of the southwest corner of the concrete headwall of the bridge, about 1.5 feet below the road; a cut triangle.

3<sup>rd</sup> Order

590.09 feet NGVD 1929

589.69 feet NAVD 1988

DNR TBM 103107-2

In Cass County, Clymers Quad., in the NE ¼ of Section 35, T. 27 N., R. 1 E., 2<sup>nd</sup> P. M.; at Logansport; at the T.M. Morris MFG. Company Park concrete bridge over Goose Creek; set in the top of the southwest corner of the concrete bridge deck, 1.8 feet northeast of the southeast corner of the west concrete guardrail of the bridge, 1.5 feet east of the east face of the west concrete guardrail of the bridge, 1.4 feet north of the south edge of the concrete bridge deck; a cut triangle.

3<sup>rd</sup> Order

591.83 feet NGVD 1929

591.43 feet NAVD 1988

DNR TBM CASSCO 14

In Cass County, Burrows Quad., in a grant, T. 27 N., R. 1 W., 2<sup>nd</sup> P. M.; about 0.2 miles northwest of Georgetown; at the 150 South Road bridge over Crooked Creek; set in the top of the southeast concrete abutment of the bridge, 13.5 feet southwest of the centerline of the road, 0.7 foot southwest of the southwest face of the concrete bridge deck, 0.5 foot northwest of southeast face of the abutment, 0.5 foot southeast of the northwest face of the abutment, 0.4 foot northeast of the break in slope of the abutment, about level with the top of the bridge deck; a cut triangle.

GPS ELEVATION

582.50 feet NAVD 1988

DNR TBM CASSCO 13

In Cass County, Lucerne Quad., in the SE ¼ of Section 26, T. 27 N., R. 1 W., 2<sup>nd</sup> P. M.; about 5.3 miles west of Logansport; at the 50 South Road bridge (Cass County bridge # 74) over Crooked Creek; set on the top of the southwest concrete abutment of the bridge, 14 feet south of the centerline of the road, 5.0 feet west of the east end of the abutment and the expansion joint for the concrete bridge deck, 1.2 feet east of the east face of a concrete bridge monument, 0.6 foot south of the north face of the abutment, 0.5 foot north of the south face of the abutment, level with the top of the concrete bridge deck; a cut triangle.

GPS ELEVATION

601.42 feet NAVD 1988

IDOT BM CAS L297

In Cass County, Lucerne Quad., in the SE ¼ of Section 26, T. 27 N., R. 1 W., 2<sup>nd</sup> P. M.; about 5.5 miles west of Logansport; at the U. S. 24 bridge over Crooked Creek; set on the top of the northwest concrete abutment, 21.5 feet north of the centerline of U. S. 24, 1.5 feet north of the north face of the concrete guardrail of the bridge, 0.8 foot east of the west face of the abutment, 0.6 foot south of the north face of the abutment, about level with U. S. 24; a Indiana Department of Transportation BM tablet, stamped "CAS L 297".

GPS ELEVATION

618.74 feet NAVD 1988

DNR TBM CASSCO 15

In Cass County, Lucerne Quad., in the SW ¼ of section 23, T. 27 N., R. 1 W., 2<sup>nd</sup> P. M.; about 5.2 miles west of Logansport; at the 50 North Road twin CMP culverts over Crooked Creek; set on the top of the northeast corner of the east most metal "I" beam support post of the south metal guardrail of the culverts. 14 feet south of the centerline of the road, 1 foot above the road, 1.5 feet west of the east end of the metal guardrail; a cut notch.

GPS ELEVATION

627.33 feet NAVD 1988

DNR TBM CASSCO 16

In Cass County, Lucerne Quad., in the SW ¼ of section 14, T. 27 N., R. 1 W., 2<sup>nd</sup> P. M.; about 5.5 miles northwest of Logansport; at the 100 North Road wood bridge over Crooked Creek; set in the top of the north most of two bolt heads in the north end of the east wood bridge seat, 14 feet north of the centerline of the road, 1.0 foot north of the north face of the north wood wheel guard of the bridge, 0.7 foot east of the west face of the bridge seat, 0.3 foot south of the north end of the bridge seat, 0.3 foot west of the east face of the bridge seat, about 0.2 foot below the road; a cut cross.

GPS ELEVATION

635.48 feet NAVD 1988

DNR TBM ER 2 2008

In Cass County, Twelve Mile Quad, in the SW ¼ sec. 9, T 27 N, R 3 E , 2<sup>nd</sup> PM. At the 925 East Road Bridge over the Eel River, about 1.0 mile south of Hoover, Indiana. 16.5 feet south of the centerline of the road, 11.5 feet west of the east end of the southeast concrete abutment, 0.6 foot north of the south face and 0.5 foot east of the west end of same abutment, 0.1 foot below the road, a chiseled triangle in top of the southeast concrete abutment.

3<sup>rd</sup> order elevation

660.820 feet NGVD 1929

DNR TBM ER 3 2008

In Cass County, Twelve Mile Quad, in the SE  $\frac{1}{4}$  sec. 7, T 27 N, R 3 E , 2<sup>nd</sup> PM. At the intersection of 800 East and 200 North Roads, 1.6 mile southwest of Hoover, Indiana. 37.0 feet south of the extended centerline of 200 North Road, 12.0 feet west southwest of the centerline of 800 East Road, 38.7 feet west northwest of the road sign post, 0.3 foot above the road, a chiseled triangle in the top of a 1 foot by 1.5 foot rock on edge of road.

GPS Elevation

644.50 feet NGVD 1929

DNR TBM ER 4 2008

In Cass County, Logansport Quad, in the SW  $\frac{1}{4}$  sec. 12, T 27 N, R 2 E , 2<sup>nd</sup> PM. At the Old Town Battle Memorial site about 3.5 miles northeast of the east side of Logansport, 21.0 feet south of the centerline of the road, 47.0 feet southwest of the southwest corner of the memorial stone, 1.5 foot above the ground, a railroad spike through an aluminum tag in the north side of a powerpole (no number ) and stamped "ER 4 2008".

GPS Elevation

640.69 feet NGVD 1929

DNR TBM ER 5 2008

In Cass County, Logansport Quad, T 27 N, R 2 E , 2<sup>nd</sup> PM. At the 150 North Road Bridge over the Eel River about 2.0 miles northeast of the east side of Logansport, 19.3 feet south of the centerline of the road, 0.7 foot east of the west face and 0.9 foot south of the north face of the southeast concrete wingwall, a chiseled triangle level with the road.

GPS elevation

644.94 feet NGVD 1929

DNR TBM ER 9 2008

In Cass County, Logansport Quad, in the S ½ sec. 22, T 27 N, R 2 E , 2<sup>nd</sup> PM. At the 450 East Road Bridge over the Eel River about 2.0 miles east of the east side of Logansport. 16.0 feet east of the centerline of the road, 0.8 foot south of the north face of the northeast concrete abutment, 0.6 foot west of the abutment joint and level with the road, a chiseled triangle.

GPS Elevation

632.57 feet NGVD 1929

DNR TBM ER 10 2008

In Cass County, Logansport Quad, in the S ½ sec. 25, T 27 N, R 1 E , 2<sup>nd</sup> PM. At the SR 17 Bridge over the Eel River in Logansport, 23.5 feet east of the centerline of the road, 11.9 feet northwest of the northwest corner of building, 12.4 feet southwest of the southeast corner of new concrete guardrail, 0.5 foot above the concrete sidewalk, a filed cross in top of anchor bolt for light pole at southeast corner of bridge.

GPS Elevation

600.15 feet NGVD 1929

DNR TBM ER 6 2008

In Cass County, Logansport Quad, in the NE ¼ sec. 29, T 27 N, R 2 E , 2<sup>nd</sup> PM. At the pavilion in Spencer Park on the east side of Logansport. 16.3 feet southwest of the southeast corner of the pavilion, 12.0 feet west of the edge of the gravel parking lot, 62.0 feet north of a light pole, 1.0 foot north of the water fountain, level with the ground, a chiseled triangle in the concrete base for the drinking water fountain.

3<sup>rd</sup> order elevation

615.070 feet NGVD 1929

DNR TBM ER 7 2008

In Cass County, Logansport Quad, in the NW  $\frac{1}{4}$  sec. 29, T 27 N , R 2 E , 2<sup>nd</sup> PM. At the 200 East Road Bridge over the Eel River on the northeast side of Logansport. 22.0 feet east of the centerline of the road, 6.6 feet north of the south end and 0.5 foot west of the east face of the southeast concrete abutment, 0.5 foot east of the east face of the concrete guardrail, 0.6 foot above the road, a chiseled triangle.

GPS Elevation

619.86 feet NGVD 1929

DNR TBM ER 8 2008

In Cass County, Logansport Quad, in the NE  $\frac{1}{4}$  sec. 25, T 27 N , R 1 E , 2<sup>nd</sup> PM. At Riverside Park on the north side of Logansport. 56.5 feet east of the east most corner of the announcer's building for the softball field, 18.5 feet south of the centerline of the park road, 1.6 foot above the ground, a railroad spike through an aluminum tag in the north side of powerpole # 08KNE090 on the north side of the softball field.

GPS Elevation

607.48 feet NGVD 1929

IDOT BM CASS L743

In Cass County, Logansport Quad, in the S  $\frac{1}{2}$  sec. 25, T 27 N, R 1 E, 2<sup>nd</sup> PM. At the SR 25 Bridge over the Eel River in Logansport. 33.0 feet east of the centerline of SR 25, 3.3 feet north of the south face , 0.9 foot west of the east face and 0.7 foot south of the north face of the southeast concrete abutment, 0.7 foot above the concrete sidewalk, a standard tablet stamped " Cass L743 ".

GPS Elevation

605.64 feet NGVD 1929

IDOH BM CASS L654

In Cass County, Logansport Quad, in the S  $\frac{1}{2}$  sec. 25, T 27 N, R 1 E , 2<sup>nd</sup> PM. At the US 24 Bridge over the Eel River in Logansport. 7.3 feet north of the edge of the concrete curb, 0.4 foot south of the north face of the concrete sidewalk, 0.6 foot east of the light pole # 08KSW735, a standard tablet set in the top of the sidewalk at the northwest corner of the bridge and stamped " Cass L654 ".

GPS Elevation

600.82 feet NGVD 1929

IDNR TBM SFDC 17 2016

In Cass County, Galveston Quad., in the NE ¼ of Sec. 34, T. 25 N., R. 3 E., 2<sup>nd</sup> P.M.; at the CR 1100 E Bridge over S. Fork Deer Creek; about 1 mile east from the town of Galveston on Cass/Miami County line; set at right downstream corner of bridge at the right end of downstream wood curb; 13.0 feet downstream from centerline of CR 1100 E; 0.3 feet streamward from landward end of wood curb; 0.4 feet upstream from downstream face of wood curb; 0.8 feet above road asphalt; 2.1 feet below top of wood rail; a "filed X" on top of anchor bolt; IDNR SFDC 17 2016.

G.P.S. Elevation

790.83 feet NAVD 1988 INCORS 2011 GEOID 12A

791.23 feet NGVD 1988 INCORS 2011 GEOID 12A

IDNR TBM SFDC 18 2016

In Cass County, Galveston Quad., in the NW ¼ of Sec. 34, T. 25 N., R. 3 E., 2<sup>nd</sup> P.M.; at the CR 1300 S CMP's over S. Fork Deer Creek; in the town of Galveston about 0.4 miles east from the south end of Lincoln Street; set at upstream metal guard rail post; 4<sup>th</sup> metal post from right end of metal rail; 14.5 feet upstream from centerline of CR 1300 S; 6.3 feet streamward – downstream from the upstream end of the right-most CMP; 1.9 feet above asphalt; 3 "filed" lines on top of the right downstream corner of metal rail post; IDNR TBM SFDC 18 2016.

G.P.S. Elevation

781.44 feet NAVD 1988 INCORS 2011 GEOID 12A

781.84 feet NGVD 1988 INCORS 2011 GEOID 12A

IDOT BM CASS L 811

In Cass County, Galveston Quad., in the SW ¼ of Sec. 27, T. 25 N., R. 3 E., 2<sup>nd</sup> P.M.; at the SR 18 Bridge over S. Fork Deer Creek; on the east side of the town of Galveston; approx. 0.2 miles east of Lincoln Street along SR 18; set at the left downstream corner of bridge on top of concrete guard rail; 20.1 feet downstream from centerline of SR 18; 2.2 feet streamward from the left end of the downstream concrete guard rail; 0.4 feet upstream from the downstream face of concrete guard rail; 2.8 feet above concrete road surface; an IDOT BM tablet stamped, "CASS L811."

G.P.S. Elevation

784.41 feet NAVD 1988 INCORS 2011 GEOID 12A

784.81 feet NGVD 1988 INCORS 2011 GEOID 12A



IDNR TBM SFDC 19 2016

In Cass County, Galveston Quad., in the SW ¼ of Sec. 27, T. 25 N., R. 3 E., 2<sup>nd</sup> P.M.; at the CR 1000 E CMP's (5 total) over S. Fork Deer Creek; in the town of Galveston; about 0.25 miles north of the intersection of CR 1000 E & SR 18; set at downstream end of the middle CMP on top of lip; 25.8 feet downstream from the centerline of CR 1000 E; 10.2 feet downstream from the metal guard rail; 39.2 feet downstream from the upstream metal guard rail; ±2.0 feet below surface of road; "3 filed lines" on top of center of CMP at downstream end; IDNR SFDC 19 2016.

G.P.S. Elevation

775.64 feet NAVD 1988 INCORS 2011 GEOID 12A

776.04 feet NGVD 1988 INCORS 2011 GEOID 12A

IDNR TBM SFDC 20 2016

In Cass County, Galveston Quad., in the SE ¼ of Sec. 28, T. 25 N., R. 3 E., 2<sup>nd</sup> P.M.; at the Railroad Bridge over S. Fork Deer Creek on the north side of Galveston; about 750' north of the intersection of railroad tracks & North Street; set near vicinity of left upstream corner of bridge; set on top of cut metal post; 4.6 feet upstream of upstream edge of the upstream railroad tracks; 2.2 feet landward from the landward end of 12"x12" wood post at left end of bridge; ±3.2 feet below top of metal guard rail; "2 filed lines" on top of cut metal post; IDNR TBM SFDC 20 2016.

G.P.S. Elevation

796.53 feet NAVD 1988 INCORS 2011 GEOID 12A

796.93 feet NGVD 1988 INCORS 2011 GEOID 12A

SHCI BM CASS L412

In Cass County, Galveston Quad., in the SE ¼ of Sec. 28, T. 25 N., R. 3 E., 2<sup>nd</sup> P.M.; at the US Highway 35 Bridge over S. Fork Deer Creek; on the north side of the town of Galveston; about 0.15 miles north of SR 18/Jackson Street along US Highway 35; set at right upstream concrete abutment; 24.1 feet upstream from centerline of US Highway 35; 0.9 feet landward from streamward end of concrete abutment; 0.5 feet upstream from the upstream face of concrete curb/bridge; 0.5 feet downstream from upstream face of concrete abutment; 0.9 feet below top of concrete curb; a SHCI tablet stamped, "CASS L 412."

G.P.S. Elevation

782.20 feet NAVD 1988 INCORS 2011 GEOID 12A

782.60 feet NGVD 1988 INCORS 2011 GEOID 12A

IDNR TBM SFDC 21 2016

In Cass County, Galveston Quad., in the S ½ of Sec. 28, T. 25 N., R. 3 E., 2<sup>nd</sup> P.M.; at the CR 950 E Bridge over S. Fork Deer Creek on the northwest outskirts of the town of Galveston; about 1000 feet north of the intersection of CR 950 E & North Street; set at upstream end of CMP (6 total – each 8' Dia.) 2<sup>nd</sup> from left end; 33.8 feet upstream from the centerline of CR 950 E; 18 feet upstream from top of upstream metal guard rail; "2 filed lines" on top of lip of upstream end; IDNR TBM SFDC 21 2016.

G.P.S. Elevation

772.35 feet NAVD 1988 INCORS 2011 GEOID 12A

772.75 feet NGVD 1988 INCORS 2011 GEOID 12A

IDNR TBM SFDC 22 2016

In Cass County, Galveston Quad., in the NW ¼ of Sec. 29, T. 25 N., R. 3 E., 2<sup>nd</sup> P.M.; at the CR 1225 S Bridge over S. Fork Deer Creek; about 1.5 miles northwest from the town of Galveston; about 0.3 miles east from the intersection of CR 800 E & CR 1225 S; set at right upstream concrete abutment; 12.6 feet upstream from the centerline of CR 1225 S; 0.4 feet landward from streamward end of concrete abutment; 3.5 feet streamward from landward end of concrete abutment; 0.8 feet downstream from upstream face of concrete abutment; same height as concrete bridge deck; IDNR TBM SFDC 22 2016, a chiseled triangle.

G.P.S. Elevation

762.70 feet NAVD 1988 INCORS 2011 GEOID 12A

763.10 feet NGVD 1988 INCORS 2011 GEOID 12A

IDNR TBM SFDC 23 2016

In Cass County, Galveston Quad., in the W ½ of Sec. 20, T. 25 N., R. 3 E., 2<sup>nd</sup> P.M.; at the CR 1150 S CMPs over S. Fork Deer Creek; about 2.0 miles from the town of Galveston; set at power pole nearest right-most CMP; 13.2 feet downstream from centerline of CR 1150 S; 53.2 feet downstream-streamward from intersection of Miller Farms Road & CR 1150 S; 24.0 feet upstream-landward from the downstream end of right-most CMP; set on streamward side of power pole 0.7 feet above ground; IDNR TBM SFDC 23 2016; a lag screw.

G.P.S. Elevation

757.88 feet NAVD 1988 INCORS 2011 GEOID 12A

758.28 feet NGVD 1988 INCORS 2011 GEOID 12A