

SECTION CORNER RECORD

SE 700-300

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):

North: 1708925.87 East: 3140924.57 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: One inch below adjacent road surface

Indiana tie card references:

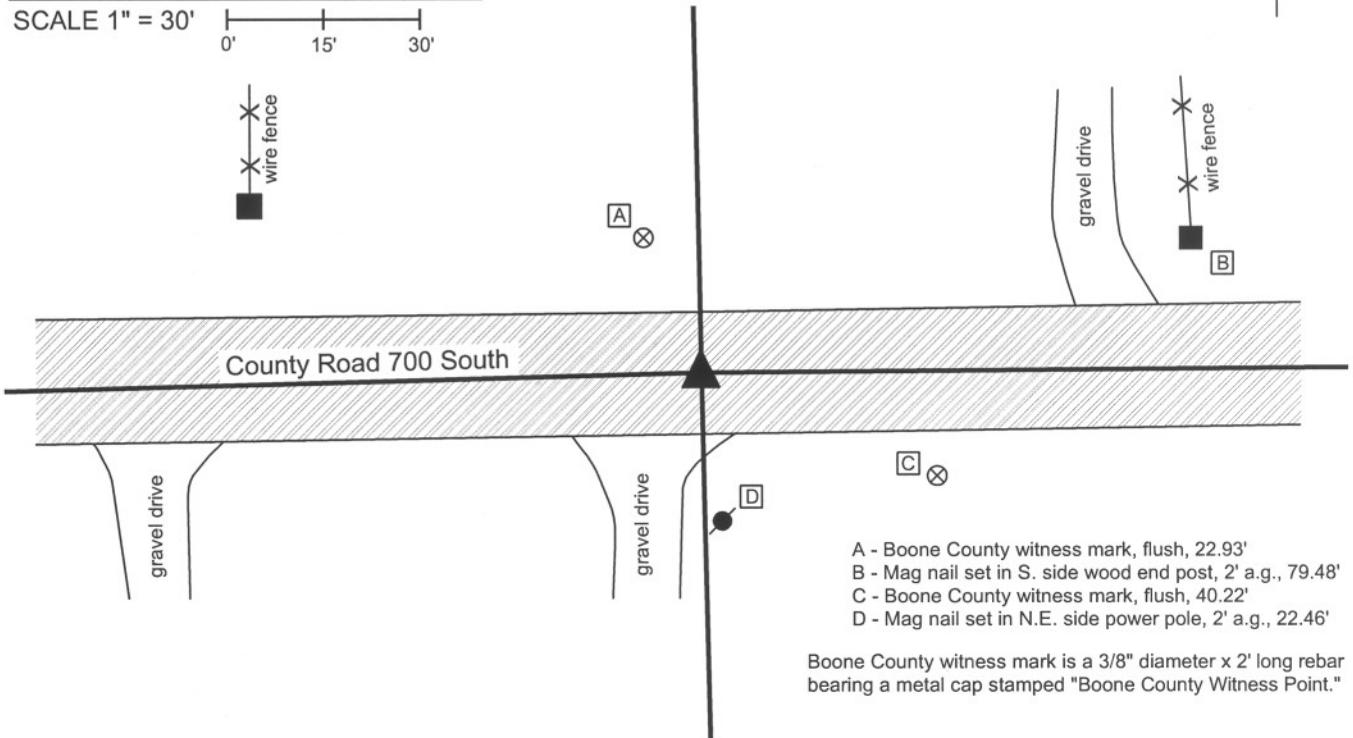
IN02_T17NR1E03_72 IN02_T17NR1E04_80

IN02_T17NR1E09_08 IN02_T17NR1E10_00



CORNER WITNESS DETAIL

SCALE 1" = 30'
0' 15' 30'



The harrison monument was set over the top of a stone found.

A BCS record of March 19, 1872 states "Found from roots of Beech. Drove no stake." A BCS record of March 29, 1898 states "Set rock. 7x13x24 +. Two small rocks beneath." No BCS tie cards were found for this corner. Excavation occurred on November 19, 2008. Prior to excavation, a 1/2 inch rebar was visible at the surface. An area approximately 3 feet N-S by 9 feet E-W appeared to have been excavated previously. The rebar was at the west edge of that area. Excavation revealed a wood hub at 5 inches deep approximately 1.5 feet west of the rebar. Excavation also revealed the record stone found at 21 inches deep. The stone is fully embedded in the clay layer beneath the road and measures 7 inches N-S by 13 inches E-W by 24 inches vertical. One small rock was exposed underneath the rock at the east edge of the record stone. The harrison monument was set directly over the top, high point of the record stone, which point is approximately 4 inches west of the east edge of the stone. The harrison monument is 1.3 feet South and 2.2 feet west of the position of the 1/2 inch rebar, which was removed during excavation.

This corner was originally established as a wood post in June, 1820.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054

March 11, 2009 revised July 14, 2010

Perry Township

Section 4 T17N, R1E	Section 3 T17N, R1E
Section 9 T17N, R1E	Section 10 T17N, R1E

PHOTOGRAPHIC DOCUMENTATION

Date of photography: November 19, 2008

Corner stone.
View from east with stone partially exposed.



Corner stone. View from east of fully exposed stone and County Road 700 South to the west.



Corner stone. View from above.



For details and documentation, refer to related sheet "Section Corner Record."

SECTION CORNER RECORD

SE 700-350

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):
North: 1708946.06 East: 3143583.11 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'
Depth: One inch below adjacent road surface

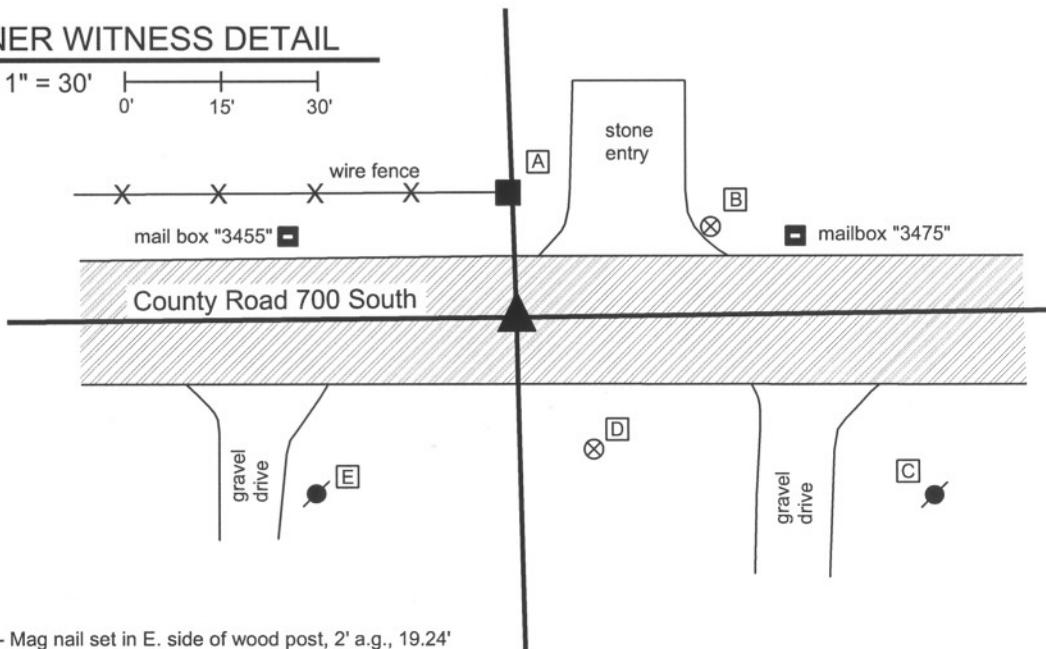
Indiana tie card references:
IN02_T17NR1E03_76
IN02_T17NR1E10_04



CORNER WITNESS DETAIL

SCALE 1" = 30'

0' 15' 30'



- A - Mag nail set in E. side of wood post, 2' a.g., 19.24'
- B - Boone County witness mark, flush 33.75'
- C - Mag nail set in N.W. side power pole, 2' a.g., 69.78'
- D - Boone County Witness Mark, flush, 23.80'
- E - Mag nail set in N.E. side, power pole, 2' a.g., 40.23'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The harrison monument was set in place of a railroad rail found. A BCS record of March 29, 1898 states "Set Rock. 12x18x18. Three small rocks beneath." A BCS tie card of February 15, 1968 shows a triangle at the corner with no further information. However, the field notes associated with that tie card state "stone located by G. Jones, Feb 15, 1968. RR rail set by Harold." This corner was excavated on November 19, 2008. Prior to excavation, a railroad rail was visible at 9 inches deep in a hole in the asphalt. Excavation revealed no further monuments. It is likely that the stone was removed and the railroad rail set in its place, as was a common practice by field crews from this office in that time frame. The harrison monument was set in place of the railroad rail, which was removed during excavation. This corner was originally established as a wood post in June, 1820.



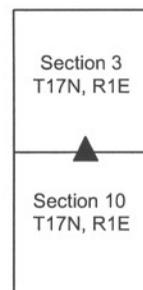
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Kenneth E. Hedge, County Surveyor

James S. Swift

James S. Swift, IN LS 20200054

March 11, 2009 Revised July 14, 2010

Perry Township



SECTION CORNER RECORD

SE 700-400

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):
North: 1708980.17 East: 3146305.02 (U.S. survey feet)

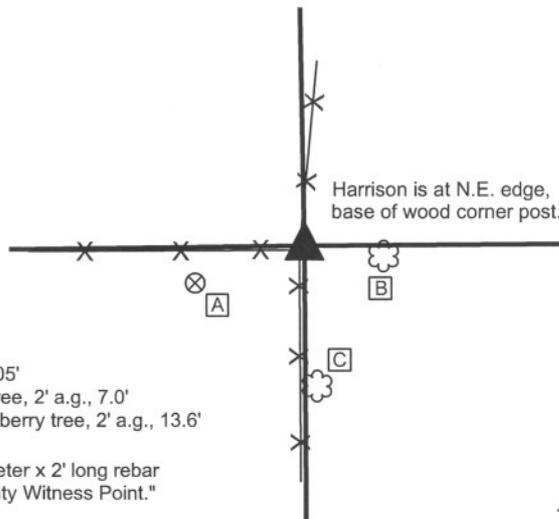
Type of monument: Harrison, 4" disk 'Section Corner'
Depth: Flush with adjoining grade

Indiana tie card references:
IN02_T17NR1E02_72 IN02_T17NR1E03_80
IN02_T17NR1E10_08 IN02_T17NR1E11_00



CORNER WITNESS DETAIL

SCALE 1" = 20'
0' 10' 20'

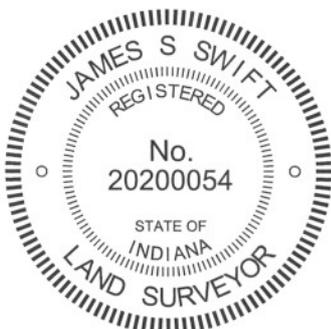


- A - Boone County witness mark, flush, 12.05'
- B - Mag nail set in W. side, 8 inch walnut tree, 2' a.g., 7.0'
- C - Mag nail set in N.W. side, 12 inch hackberry tree, 2' a.g., 13.6'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

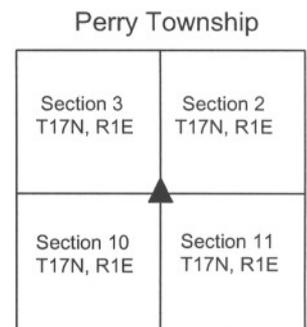
X X X
- denotes wire fence

The harrison monument was set in place of three stones found stacked on top of each other. This corner is not specifically identified the old BCS stone records. It is referenced in measurement records within the BCS stone record with references in 1836, 1866 and 1894. No BCS tie cards were found for this corner. The stones found are at the east edge of the old wood corner post at the intersection of fences to the north, south and west. The top stone is generally of a square shape and was found oriented in cardinal directions. The top of the stone was slightly below the surface of the ground, being at the level of the roots of the grass. The second stone was directly beneath the top stone and the third stone was found directly below the second. The stones did not appear to have the characteristics of brace rocks and did appear to have been intentionally set in a column. The stones were all removed and the harrison monument was set in their place. This corner was originally established as a wood post in June, 1820.



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February 27, 2009 Revised July 25, 2011



SECTION CORNER RECORD

SE 750-300

BOONE COUNTY SURVEYOR'S OFFICE

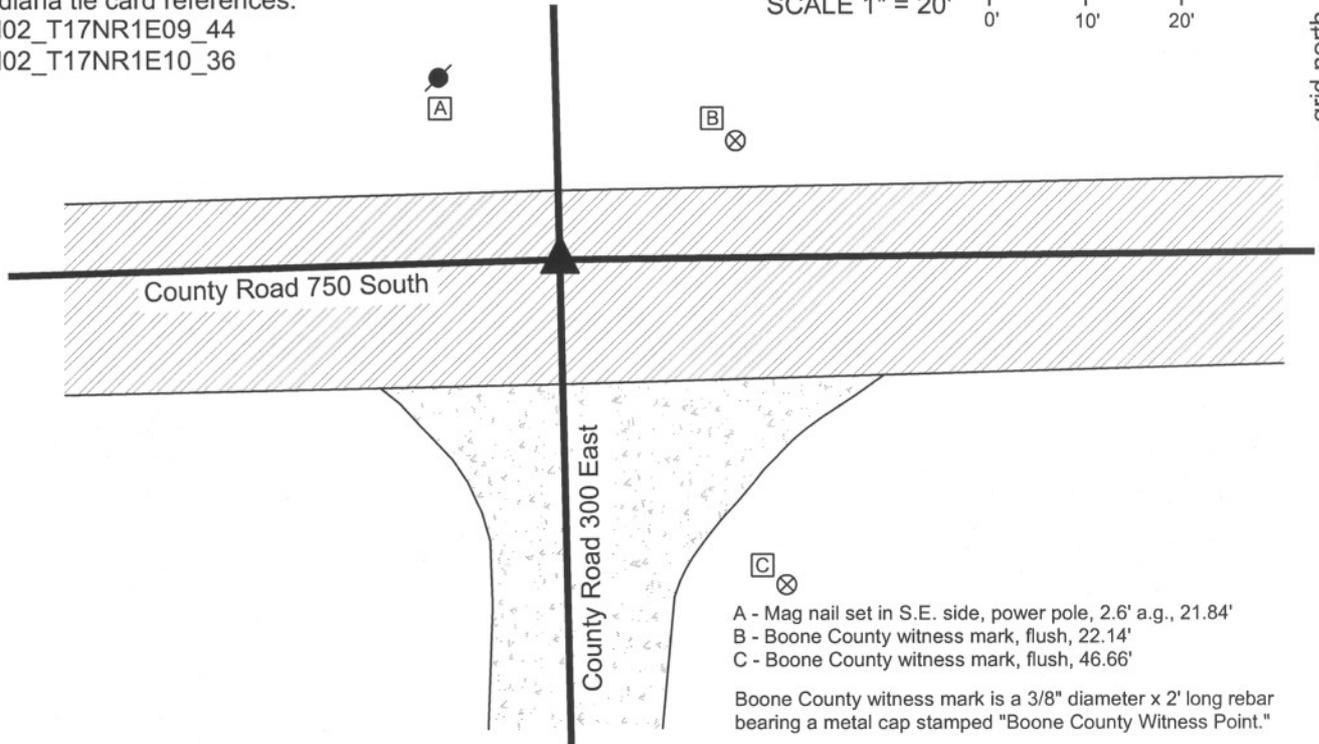
State Plane grid coordinates NAD83 (NSRS 2007):
North: 1706272.64 East: 3140984.74 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'
Depth: One inch below adjacent road surface

Indiana tie card references:
IN02_T17NR1E09_44
IN02_T17NR1E10_36

CORNER WITNESS DETAIL

SCALE 1" = 20' 0' 10' 20'



- A - Mag nail set in S.E. side, power pole, 2.6' a.g., 21.84'
- B - Boone County witness mark, flush, 22.14'
- C - Boone County witness mark, flush, 46.66'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The Harrison monument was set over a stone found. A BCS record of March 19, 1872 states "Reestablished from stump. Set two Rocks. One 16,11,8 +. Top one 16,10,7 +." A BCS tie card of February, 1968 shows the corner but does not contain further information. The field notes associated with this tie card show the same sketch and also state "no stone, Ken and Harold, February 1968." This corner was excavated on November 20, 2008. Prior to excavation, a mag nail in a washer was visible at the surface. Excavation revealed a railroad rail below the nail at 7 inches deep. Excavation also revealed a wood hub found with a railroad spike driven into the top of it at 6 inches deep, 0.65 foot south and 1.0 foot east of the rail. A stone was found below the hub and spike at 14 inches deep. The stone measures 13x10x9 inches, set vertically but mostly in fill material with only the bottom partially in the clay layer. Another stone was found at 16 inches deep, approximately 2.8 feet north of the first stone. The second stone is too large for either of the record stones and was oriented rather haphazardly. This stone was removed and below it was found another stone, completely embedded in the clay. The dimensions of this somewhat rough stone are difficult to precisely determine, but are approximately the dimensions on the record lower stone from 1872, being 16 by 11 by 8 inches. The stone is set horizontally with the longest part oriented E-W. This fits with the pattern from that period wherein the top stone was set vertically and the lower stone was set horizontally. The stone was accepted as being the record lower stone as described in the record of March 19, 1872. It is also noted that the top of the clay layer was at approximately 9 inches above the top of the stone. If the upper record stone was set vertically, it would have protruded at least 7 inches into the current layer of fill material. The cross section of the road in this intersection consists of asphalt on top, over a sandy fill material which is over a rocky fill material. The rocky material appears to be specifically intended as fill, rather than just the old sandy, gravelly base material of the wagon road, as its typically found above the clay layer in similar county roads. It is likely that the upper record stone was removed during the installation of the fill material. The Harrison monument is 2.1 feet North and 0.5 foot East of the position of the mag nail and railroad rail, both of which were removed during excavation. This corner was originally established as a wood post in June, 1820.

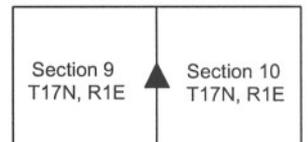


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March 11, 2009 Revised July 14, 2010

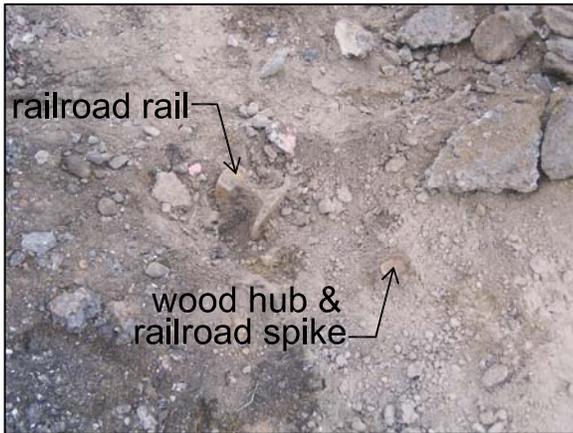
Perry Township



PHOTOGRAPHIC DOCUMENTATION

Date of photography: November 20, 2008

Railroad rail and wood hub with railroad spike driven into it.



Non-record stone found entirely within fill material. Overhead view from west.



Non-record stone found mostly in fill material with bottom at clay layer. View from south.



Record bottom stone found, embedded in clay. View from south.



For details and documentation, refer to related sheet "Section Corner Record."

SECTION CORNER RECORD

SE 750-400

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):

North: 1706328.32 East: 3146344.73 (U.S. survey feet)

Type of monument: 5/8 inch rebar with aluminum cap stamped 'Boone County Surveyor.'

Depth: One inch below adjacent road surface

Indiana tie card references:

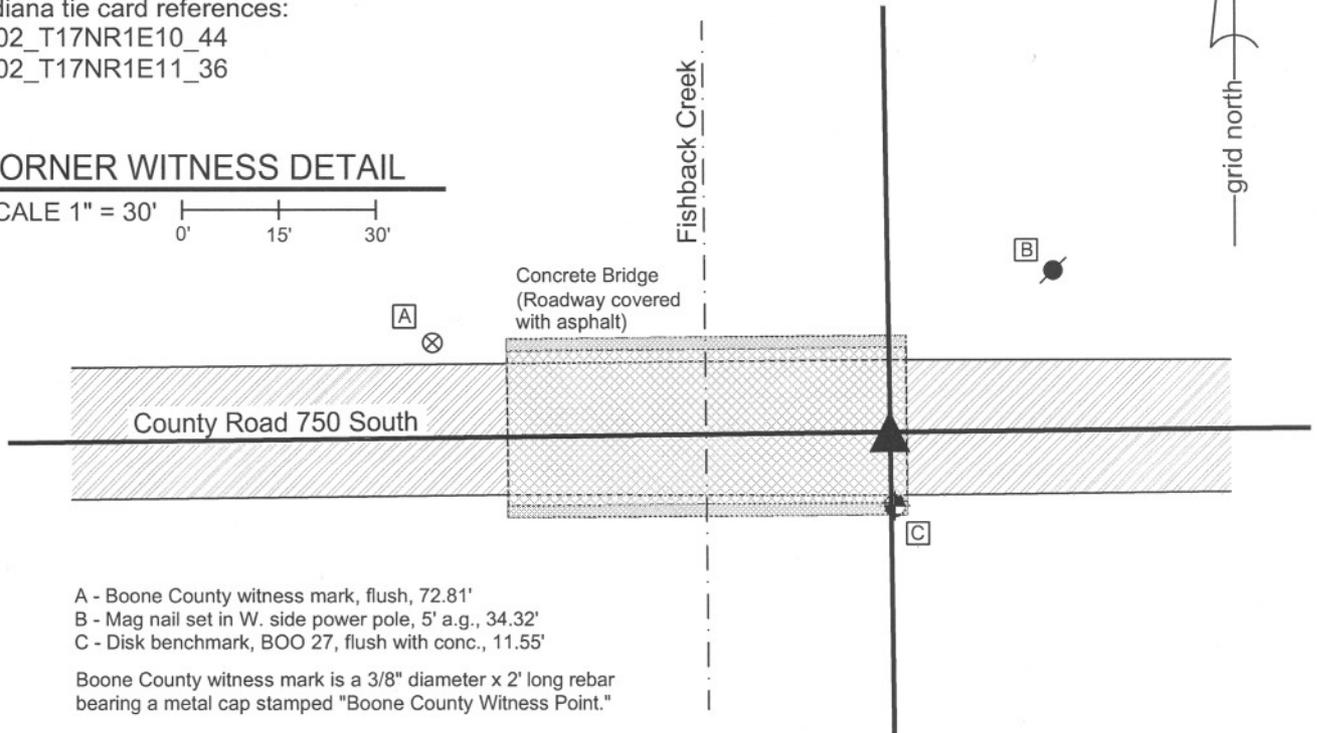
IN02_T17NR1E10_44

IN02_T17NR1E11_36

CORNER WITNESS DETAIL

SCALE 1" = 30'

0' 15' 30'



- A - Boone County witness mark, flush, 72.81'
- B - Mag nail set in W. side power pole, 5' a.g., 34.32'
- C - Disk benchmark, BOO 27, flush with conc., 11.55'

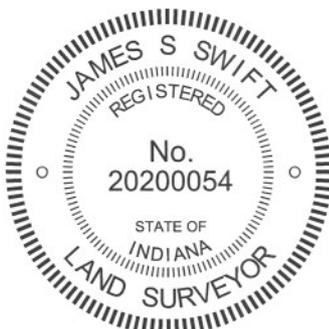
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The rebar was set in the calculated position of a stone set in 1899 and referenced to an old iron bridge.

A BCS record of March 6 & 10, 1899 states "Set rock 8x14x20 + (Nearest edge of S.E. post of Iron bridge = S 50° W, 11 feet). No modern BCS tie cards were found referencing this corner.

The iron bridge referenced in the 1899 record is no longer present, having been replaced by a concrete bridge in approximately 1960. Plans for the current bridge are on file in the Boone County Highway Department, called Pjobject S-619 (1), fiscal year 1959. The plans show dimensions of the former bridge (called present structure on the plans) and show the location of the former bridge relative to the proposed bridge. The position of the existing bridge (proposed bridge on the plans) was located by its physical location in the field and select information shown on the plans was reconstructed relative to the existing bridge. A nail found driven through a bottle cap in an old wood post which is believed to represent Station 10+00, 26.5' Right on the plans, fit precisely with the reconstructed plans, indicating that the bridge was, in fact, built in the position shown on the plans. The former position of the old iron bridge was reconstructed relative to information on the plans. The position of the stone referenced in the 1899 record was established relative to the reconstructed position of the southeast post of the iron bridge. The bearing called for in the 1899 record was assumed to be geodetic, as no form of magnetic declination was stated. A grid to geodetic convergence angle of 0° 26' 35" was applied to the record bearing, as derived from the NGS on-line toolkit. Hence the corner was established at N49° 33' 25" E from the calculated position of the iron bridge, which results in a minimal adjustment of the position of the corner, well within the uncertainties of the reconstructed position of the iron bridge. General uncertainties of approximately 1 foot may be applied to the position of the corner as calculated.

The corner falls on the deck of the bridge, which is made of concrete with a thin layer of asphalt over the top. An aluminum cap stamped 'Boone County Surveyor' was placed on a section of 5/8 inch diameter rebar measuring approximately 2.5 inches. The rebar and the cap were attached to the concrete and asphalt with epoxy in the calculated position of the corner.



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March 1, 2012

Perry Township

