

SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

SE 000-600

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1746033.46 East: 3156425.26 (U.S. survey feet)

Corner 2: North: 1746032.99 East: 3156405.72 (U.S. survey feet)

Type of monument: 1 inch diameter iron pins (rebars) in concrete

Depth: flush with adjacent road surface

Indiana tie card references:

IN02_T18NR1E01_08 IN02_T18NR2E06_00

IN02_T19NR1E36_80 IN02_T19NR2E31_72

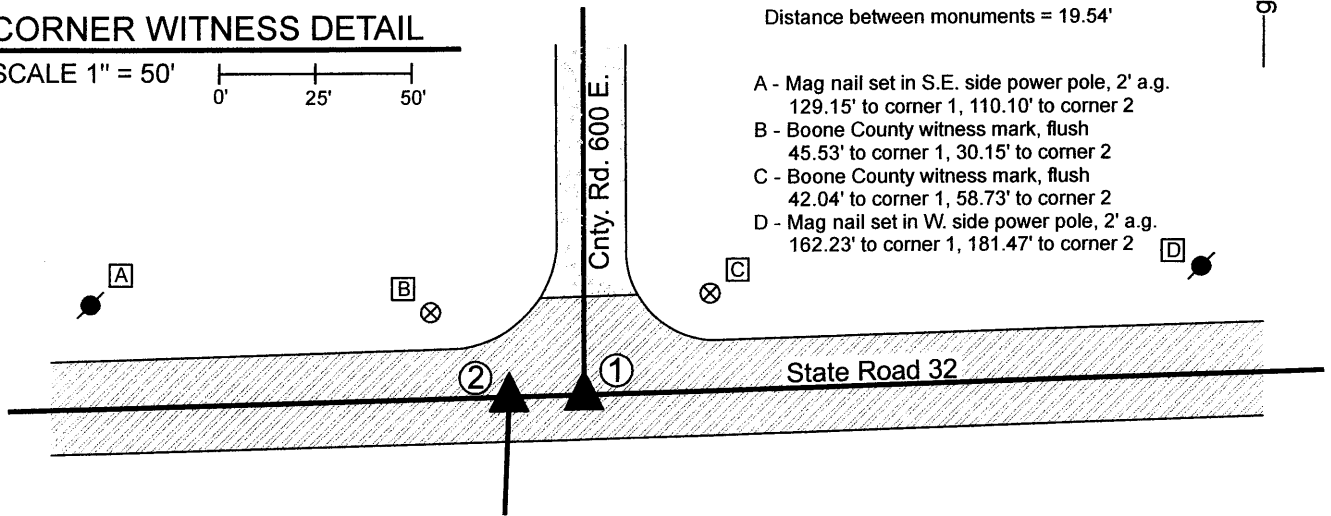
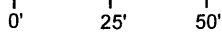
① S.E. Corner, Section 36, T19N, R1E
S.W. Corner, Section 31, T19N, R2E

② N.E. Corner, Section 1, T18N, R1E
N.W. Corner, Section 6, T18N, R2E

Distance between monuments = 19.54'

CORNER WITNESS DETAIL

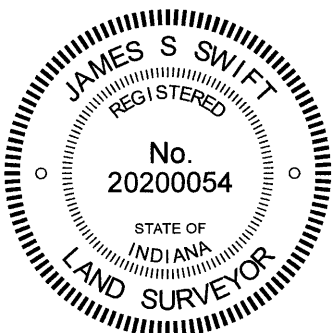
SCALE 1" = 50'



The iron pins in concrete were found and held as marking the respective corners.

Being the corner of four townships, this should be a single, common corner. However, the two positions currently monumented have long been treated as being distinct and different corners. Neither corner is specifically called out and described in the Boone County Surveyor's Record beyond the original establishment of the township corner in 1819. A BCS tie card dated January 18, 1994 shows railroad spikes marking two corners 19.8 feet apart, with the westerly spike called as the corner of Townships 18 North, Range 1 and 2 East and the easterly spike called as the corner of Township 19 North, Ranges 1 and 2 East. A Location Control Route Survey recorded as Instrument 0201777 in the Office of the Boone County Recorder shows the corners as iron pins in concrete per County Surveyor ties, similarly oriented as the 1994 tie card, but 19.6 feet apart. A BCS tie card dated July 28, 2005, produced under contract with Anderson & Associates, shows the corners similarly oriented as the Route Survey. A survey by Anderson and Associates (Jerry L. Carter, LS S0350) dated June 2, 2005, which is not recorded as a stand-alone document but is appended to the end of the deed of the land to the southwest and southeast of the subject corners (see Instrument 050778), shows two iron pins in concrete at 19.57 feet apart but denotes the easterly monument as the northwest corner of Section 6, T18N, R2E and the westerly monument as the northeast corner of Section 1, T18N, R1E. This would imply that the line between the northeast quarter of Section 1 is not the same as the west line of the northwest quarter of Section 6. This not only defies a reasonable interpretation of situation and defies the 1994 tie card but is also contrary to Jerry Carter's opinion of these corners, as expressed in person to this surveyor, Swift, and is also contrary to the representation of the corners on the tie card produced by the same company within 2 months of the survey. However, it is noted that the deed for a property to the west (see Richard Instrument 0204757, currently Kouns Instrument 20100000952) also calls for distinct corners for Sections 1 & 6, though states the separation to be 198 feet, not 19.8 feet. The 2005 Carter survey references the Richard deed, which may be why that approach to the two corners was held. It is noted that the Carter survey also held a common corner for the east quarter corner of Section 1 and the west quarter corner of Section 6, as discussed in the report for BCS Corner SE 050-600.

The representation of the corners on the 1994 and 2005 tie cards as well as the 2002 Route Survey was accepted and the iron pins found in the field were held to mark the corners.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
September 28, 2022

Center Twp Union Twp

Section 36 T19N, R1E	Section 31 T19N, R2E
Section 1 T18N, R1E	Section 6 T18N, R2E

Worth Twp

SECTION CORNER RECORD

SE 000-650

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1746121.08 East: 3159280.82 (U.S. survey feet)

Corner 2: North: 1746117.16 East: 3159149.39 (U.S. survey feet)

Type of monument: Iron pins in concrete

Depth: flush with adjacent road surface

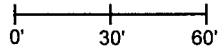
Indiana tie card references:

IN02_T18NR2E06_04

IN02_T19NR2E31_76

CORNER WITNESS DETAIL

SCALE 1" = 60'

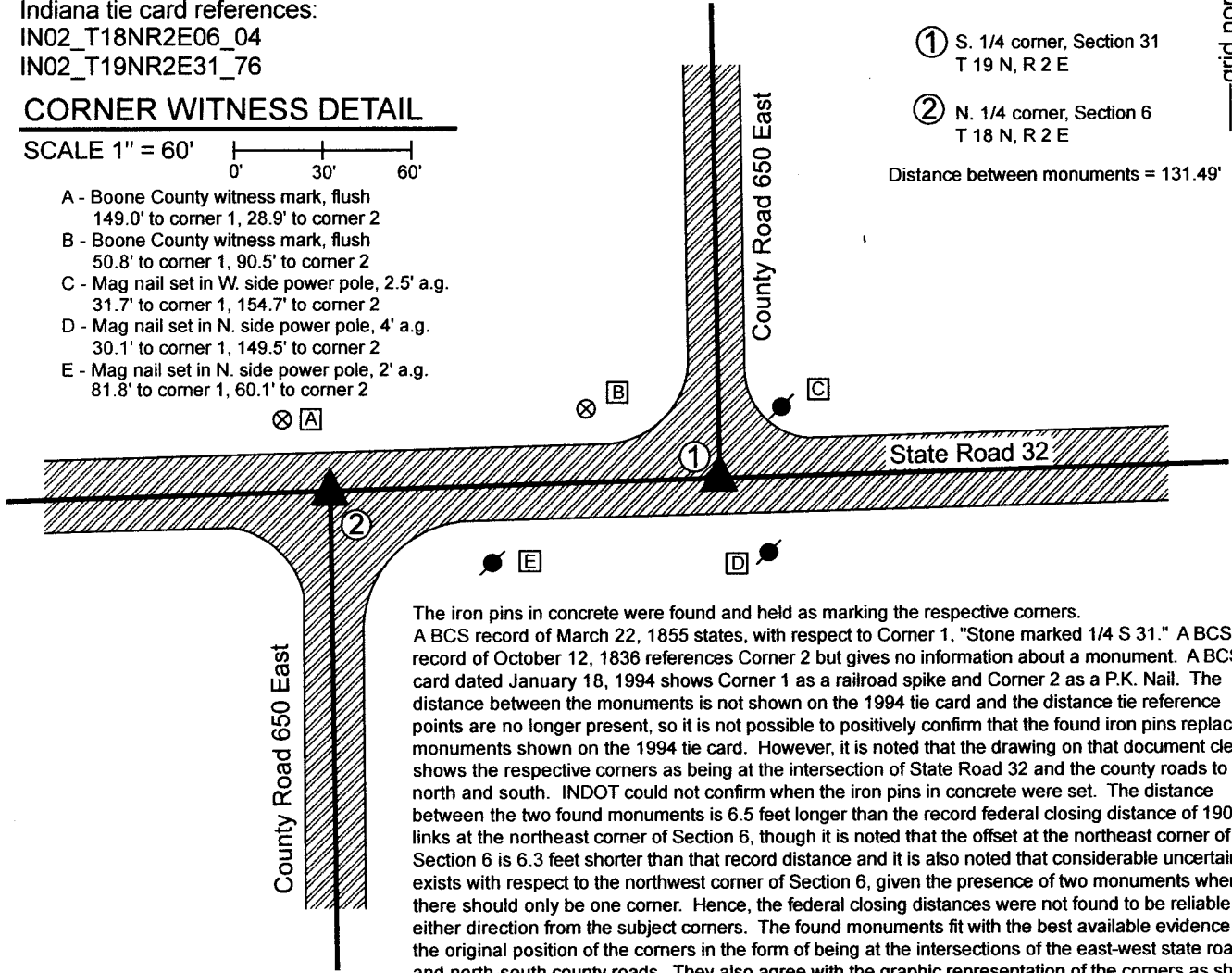


- A - Boone County witness mark, flush
149.0' to corner 1, 28.9' to corner 2
- B - Boone County witness mark, flush
50.8' to corner 1, 90.5' to corner 2
- C - Mag nail set in W. side power pole, 2.5' a.g.
31.7' to corner 1, 154.7' to corner 2
- D - Mag nail set in N. side power pole, 4' a.g.
30.1' to corner 1, 149.5' to corner 2
- E - Mag nail set in N. side power pole, 2' a.g.
81.8' to corner 1, 60.1' to corner 2

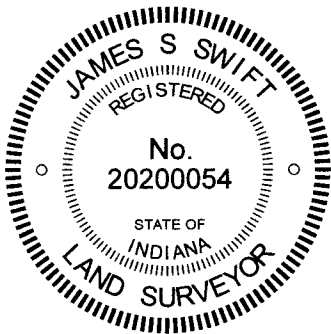
① S. 1/4 corner, Section 31
T 19 N, R 2 E

② N. 1/4 corner, Section 6
T 18 N, R 2 E

Distance between monuments = 131.49'



The iron pins in concrete were found and held as marking the respective corners. A BCS record of March 22, 1855 states, with respect to Corner 1, "Stone marked 1/4 S 31." A BCS record of October 12, 1836 references Corner 2 but gives no information about a monument. A BCS tie card dated January 18, 1994 shows Corner 1 as a railroad spike and Corner 2 as a P.K. Nail. The distance between the monuments is not shown on the 1994 tie card and the distance tie reference points are no longer present, so it is not possible to positively confirm that the found iron pins replace the monuments shown on the 1994 tie card. However, it is noted that the drawing on that document clearly shows the respective corners as being at the intersection of State Road 32 and the county roads to the north and south. INDOT could not confirm when the iron pins in concrete were set. The distance between the two found monuments is 6.5 feet longer than the record federal closing distance of 190 links at the northeast corner of Section 6, though it is noted that the offset at the northeast corner of Section 6 is 6.3 feet shorter than that record distance and it is also noted that considerable uncertainty exists with respect to the northwest corner of Section 6, given the presence of two monuments where there should only be one corner. Hence, the federal closing distances were not found to be reliable in either direction from the subject corners. The found monuments fit with the best available evidence of the original position of the corners in the form of being at the intersections of the east-west state road and north-south county roads. They also agree with the graphic representation of the corners as shown on the 1994 tie card. The found iron pins were held as marking the respective corners. No excavation was performed at these corners as they fall in a state road.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
June 7, 2022

Union
Township

Section 31
T19N, R2E

Worth
Township

Section 6
T18N, R2E

SECTION CORNER RECORD

SE 000-700

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1746198.20 East: 3161925.82 (U.S. survey feet)

Corner 2: North: 1746194.68 East: 3161806.76 (U.S. survey feet)

Type of monument: INDOT Type B monument

Depth: Flush with adjacent road surface

Indiana tie card references:

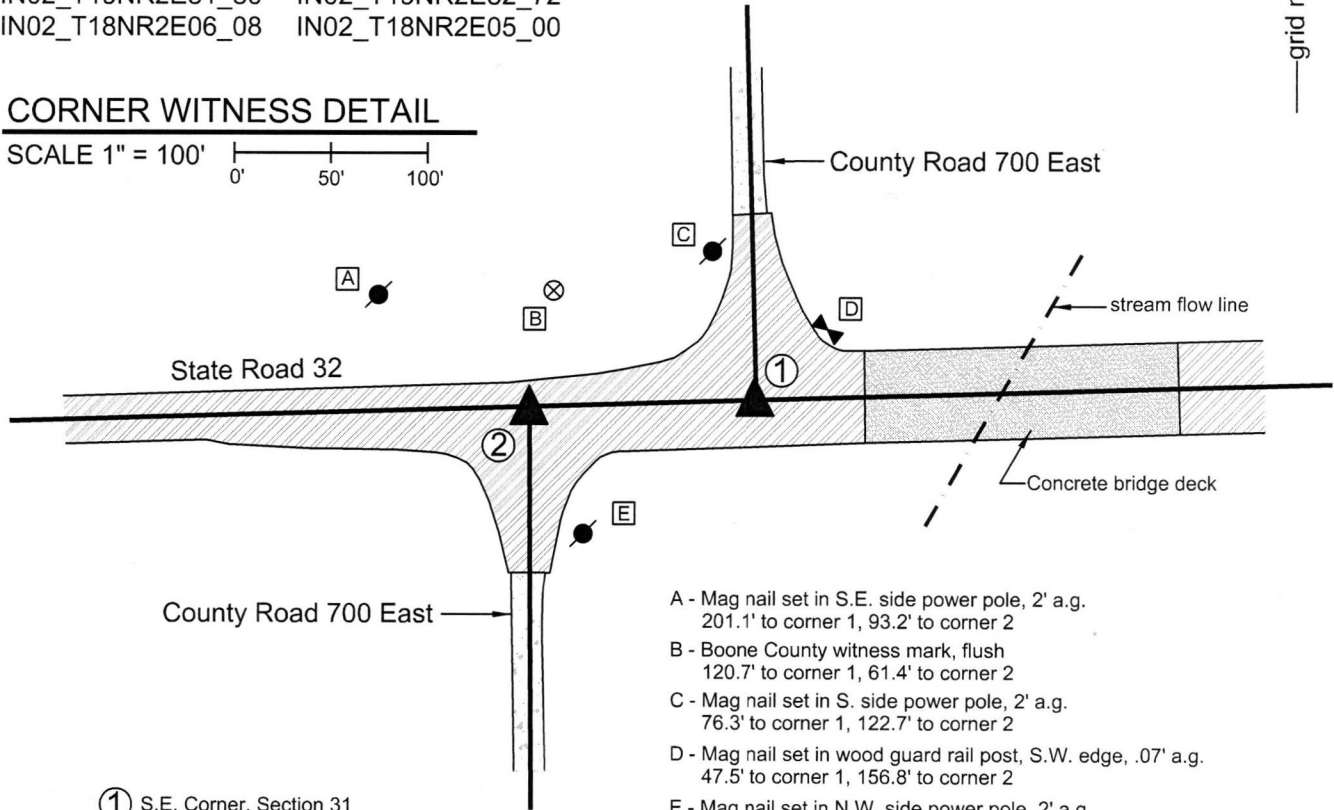
IN02_T19NR2E31_80 IN02_T19NR2E32_72

IN02_T18NR2E06_08 IN02_T18NR2E05_00



CORNER WITNESS DETAIL

SCALE 1" = 100'
0' 50' 100'



① S.E. Corner, Section 31
S.W. Corner, Section 32
T 19 N, R 2 E

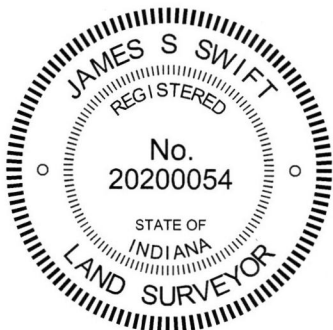
② N.W. Corner, Section 5
N.E. Corner, Section 6
T 18 N, R 2 E

Distance between monuments - 119.1'

- A - Mag nail set in S.E. side power pole, 2' a.g.
201.1' to corner 1, 93.2' to corner 2
- B - Boone County witness mark, flush
120.7' to corner 1, 61.4' to corner 2
- C - Mag nail set in S. side power pole, 2' a.g.
76.3' to corner 1, 122.7' to corner 2
- D - Mag nail set in wood guard rail post, S.W. edge, .07' a.g.
47.5' to corner 1, 156.8' to corner 2
- E - Mag nail set in N.W. side power pole, 2' a.g.
115.6' to corner 1, 68.0' to corner 2

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

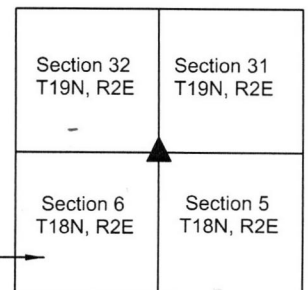
Please refer to page 2 of 2 for further documentation.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
March 23, 2017 Page 1 of 2

Union Township
Sections 5, 31 & 32



SECTION CORNER RECORD

SE 000-700

BOONE COUNTY SURVEYOR'S OFFICE

Written Documentation Sheet

Please refer to page 1 of 2 for other information.

The INDOT Type B monuments were set during a bridge reconstruction project.

No specific descriptions of these corners were found in the BCS Surveyor's Record beyond the original establishment of the corners as wood posts in 1819 and 1821, respectively. A BCS tie card dated January 18, 1994 shows both corners and provides reference ties to the corners but does not state what monuments were found marking the corners. The graphic representation on the tie card clearly indicates that the corners are situated at the respective intersections of the centerlines of State Road 32 and County Road 700 East.

Significant uncertainty has been associated with the positions of these corners for several years. Investigation of these corners in 2012 yielded the discovery of two sets of monuments at each corner. Mag nails were found at the positions where the approximate center of State Road 32 is intersected by the approximate centers of the respective roadways of County Road 700 East. Also, one inch diameter iron pins set in concrete were found in the vicinity of these intersections. The origin of these monuments is not specifically known. It is noted that the iron pins are uniformly east of the Mag nails and the positions where the respective north-south roadways intersect State Road 32.

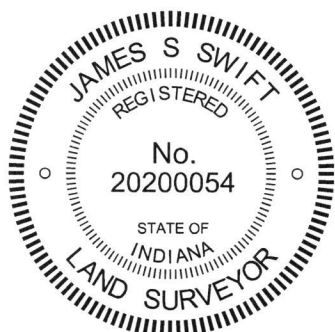
A Location Control Route Survey produced for INDOT by USI Consultants, dated January 29, 2002, shows both corners as "1 inch I. Pin found per County Surveyor Ties." The monuments are referenced by Station and it is clear that this survey calls the iron pins in concrete as the corner. The statement that the positions were found per County Surveyor Ties is not confirmed. The distance reference ties were not present in 2012. As noted above, the 1994 BCS tie card shows the corners at the physical intersections of the roadways, while the iron pins are east of the intersections. The same 2002 Route survey also shows P.O.T. stations which are intended to represent the termini of the intersecting lines of the centers of C.R. 700 East. The Mag nails found in 2002 correlate with the P.O.T. stations. It is believed most likely that these nails were set in association with the 2002 route survey.

Later in 2002, a set of surveys certified by Jerry L. Carter of Anderson & Associates, recorded as documents 0217183 and 0217184 in the Office of the Boone County Recorder, show Corner 1 (standard corner) as a nail found and notes that an iron pin in concrete is 27.6 feet east, which correlates to the respective stations shown on the aforementioned Route Survey. A 2007 survey by Sea Group, LLC recorded as Instrument 200700008100 (Boone County Recorder) shows the respective corners as Mag Nails, the positions of which correlate to the aforementioned Mag nails found in 2012.


It is apparent that the Carter and Sea Group surveys hold nails which were intended by the 2002 route survey to mark P.O.T. stations, not the section corners. However, it is not apparent why the iron pins held on the route survey were ever considered as marking the corners, other than their presence in the roadway. The reference ties from 1994 were not confirmed but, as noted above, the positions of the iron pins being well east of the centers of C.R. 700 East, do not match the clear and specific graphic representation on the tie card. Nor do the positions of these pins fit with the actual available evidence of the corners, in the form of the existing north-south roadways. Personal discussion of the matter with the late Mr. Carter indicated that he firmly believed the iron pins in concrete to have been set in error. In performing the 2002 surveys noted above, he held the nails as marking the corners, as they fit with all available evidence of the corners, whereas the iron pins fit with none of the available evidence. Also of note is the fact that the route survey created additional P.O.T. stations in order to account for the fact that the iron pins were substantially distant from the actual roadway intersections.

Assessing the available evidence in the field, the evidence of the existing roadways was accepted as dominant over the evidence of the found iron pins. The found nails, likely set as P.O.T.s in 2002, were held as marking the corners. This intersection was reconstructed in 2014-2015 as part of the project replacing the bridge just east of the intersection. INDOT was notified of the uncertainties associated with the corners and the intention of this office to hold the positions of the nails. This intention was confirmed by INDOT and the final monumentation set for the corners conforms with the original positions of the nails. Type B monuments were set at these positions by INDOT contractors, in cooperation with this office. The previous positions of the iron pins in concrete were 27.6 feet east at Corner 1 and 19.6 feet east and 0.9 foot south at Corner 2, respectively.

It is also noted that the descriptions of the parcels adjoining the intersection purchased by INDOT prior to the bridge reconstruction project are tied to respective corners, but hold the disputed positions of the iron pins, now removed. It is recommended that future surveyors take this into account if and when the limits of these small parcels are defined.

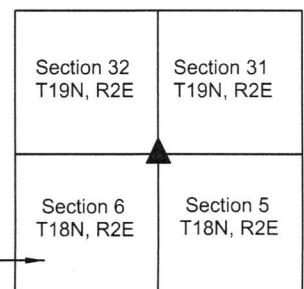



Kenneth E. Hedge, County Surveyor


James S. Swift, IN LS 20200054

March 23, 2017 Page 2 of 2

Union Township
Sections 5, 31 & 32



SECTION CORNER RECORD

SE 050-600

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

Corner 1: North: 1743586.11 East: 3156309.18 (U.S. survey feet)

Corner 2: North: 1743613.80 East: 3156309.27 (U.S. survey feet)

Corner 1: Harrison, 4" disk 'Section Corner', One above grade

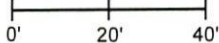
Corner 2: Harrison, 4" disk 'Section Corner', Four inches above grade

Indiana tie card references:

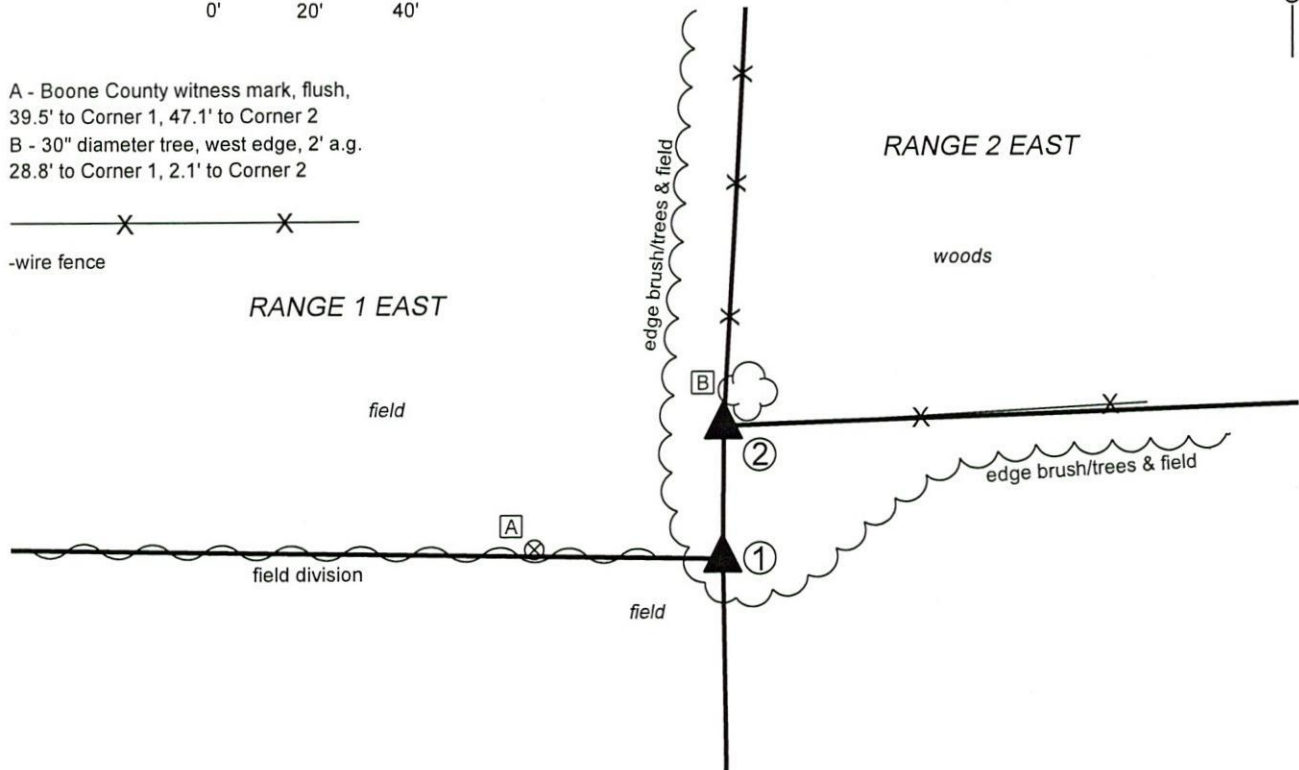
IN02_T18NR1E01_44 IN02_T18NR2E06_36

CORNER WITNESS DETAIL

SCALE 1" = 40'

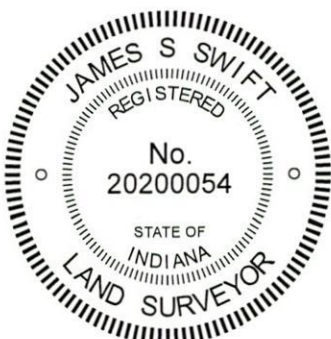


- A - Boone County witness mark, flush, 39.5' to Corner 1, 47.1' to Corner 2
- B - 30" diameter tree, west edge, 2' a.g. 28.8' to Corner 1, 2.1' to Corner 2




- ① East Quarter Corner Section 1, T 18 N, R 1 E Harrison Monument Set at east edge, wood corner post
 - ② West Quarter Corner Section 6, T 18 N, R 2 E Harrison Monument Set at west edge, wood corner post
- Distance between monuments: 27.7'

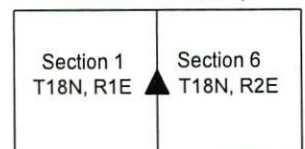
SEE PAGE 2 FOR EXPLANATION OF FINDINGS AND UNCERTAINTIES




Kenneth E. Hedge, County Surveyor


James S. Swift, IN LS 20200054
February 5, 2020 Page 1 of 2

Worth Township



SECTION CORNER RECORD

BOONE COUNTY SURVEYOR'S OFFICE

SE 050-600

SEE PAGE 1 FOR SKETCH AND WITNESS TIES

① East Quarter Corner
Section 1, T 18 N, R 1 E
Harrison Monument Set
at east edge, wood corner post

② West Quarter Corner
Section 6, T 18 N, R 2 E
Harrison Monument Set
at west edge, wood corner post

Distance between monuments: 27.7'

The Harrison monument at Corner 1 was set in place of an existing Harrison monument. The Harrison monument at Corner 2 was set in place of a stone found.

No specific descriptions of Corner 1 were found in the BCS Surveyor's Record beyond the original establishment of the corner as a wood post in 1819. Corner 2 is shown in an entry of July 4, 1843. No monument is called but the corner is referenced to two bearing trees, one of which is an 18 inch White Oak. It is noted that records from the 1840s typically do not call out a stone, even if one may have been found. A subsequent record for Corner 2, dated August 19 & September 5, 1902, states "found correct from White Oak witness." A BCS tie card dated December 21, 2005 shows both corners as Harrison monuments 28.12 feet apart.

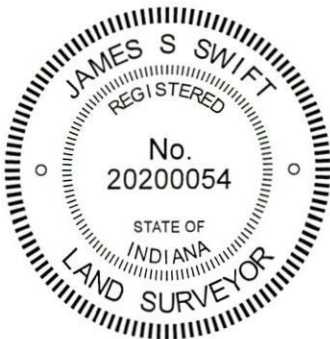
This corner was studied several times between 2010 and 2020. Final excavation took place on February 3, 2020. The Harrison monument at Corner 1 was found at the east edge of a wood corner post, in-line with a field division to the west. No stone or other monument was found in the immediate vicinity of the corner post. No Harrison monument was found at Corner 2. Instead a 5/8 inch rebar with a yellow cap (markings illegible) was found at the position shown on the 2005 tie card as being Corner 2. This position falls slightly west of an ancient wood post marking the intersection of old fences to the north and east. Excavation in this vicinity revealed a stone found at 4 inches deep, slightly west of the wood corner post and slightly southeast of the rebar. The top of the stone was 7 inches E-W by 7 inches N-S. The stone had a distinct, small ridges across the edges of top, oriented east-west, separated by 7 inches. The stone was vertical and measured, in total, 17 inches tall by 13 inches N-S by 9 inches E-W. The stone did not appear to be bracing the post and bore the characteristics of a stone purposely set to mark the corner. Fragments of an old wood stake were found at the southwest edge of the stone. It is believed most likely that this stone is the same monument as was held for the 1843 and 1902 records. The rebar was near the northwest edge of the stone, 0.5 foot north and 0.6 foot west of the top, center of the stone.

Several uncertainties must be noted with respect to this set of corners. Corner 2 is not an original federal corner and typically the range line offset at the west quarter corner of section 6 would match the offset at the southwest corner of section 6 which, in this case, is 54 links or 35.6 feet. The separation of the found Harrison and found stone is 27.7 feet. The subsequent BCS records do not cross-reference the corners by distance.

The more significant uncertainty pertains to monumentation and deed descriptions for the land to the north, in both sections 1 and 6. The current deed for the property to the north (Instrument 05077888) is described in metes and bounds format and appears to treat Corner 1 as a common corner, ignoring Corner 2 and the range line offset. This observation is borne out by the presence of monuments found falling along a line connecting the Harrison at Corner 1 and a mag nail at the commonly accepted center quarter corner of Section 6. It is noted that these monuments universally fall well south of an old fence which generally falls along a line connecting the stone at Corner 2 with said Mag Nail. A survey appended to the deed (Anderson and Associates, Job. No. 050505A, 6/2/2005) also shows a common corner, holding the south line of the northwest quarter of Section 6 as being along a line between the center of section and Corner 1. However, the description in this deed and survey specifically call for both the quarter section lines and the northerly lines of the Smith property, per Instrument 0007717. The description in this document (I 0007717) calls for an offset, describing a 28.19 foot separation between Corners 1 and 2, nearly identical to the offset shown on the 2005 BCS tie card. It is the opinion of this surveyor (Swift) that the 2005 Anderson survey mistakenly ignored the offset between Corners 1 and 2 and that the existing rebars which fall south of the obvious evidence (fence and field divisions) along the south line of the northwest quarter of section 6 are not correctly positioned along the quarter section line. This opinion is bolstered by the fact that the 2005 BCS tie card which shows a 28.12 foot offset between the corners was also made by Anderson and Associates, seven months after the incorrect survey.

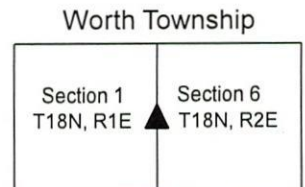
An additional uncertainty associated with these corners pertains to the significant bend which occurs in the range line, causing the last half-mile of the range line to bear substantially to the northeast. The reason for this bend is not known, but it is reasonable to accept that it is legitimate and that, indeed, the line between the northeast quarter of section 1 and the nothwest quarter of section 6 bears substantially to the east as it bears north.

After review of the various uncertainties, the existing Harrison monument at Corner 1 was held as marking that corner and replaced with another Harrison in the same position, set in a more stable manner. The stone found at Corner 2 was held as marking that corner. The stone was removed and replaced with a Harrison monument in the position of the top, center of the stone. It is noted that the standard practice of establishing the closing corner on the range line as defined by the relevant standard corners was not adhered to and that the found monuments (Harrison and stone) were held as marking the respective corners. Hence, the range line is accepted as having angle points at both Corners 1 and 2.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
February 5, 2020 Page 2 of 2



SECTION CORNER RECORD

SE 050-700

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):

North: 1743807.75 East: 3161825.37 (U.S. survey feet)

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

Depth: Six inches below adjacent gravel road surface.

Indiana tie card references:

IN02_T18NR2E05_36

IN02_T18NR2E06_44

CORNER WITNESS DETAIL

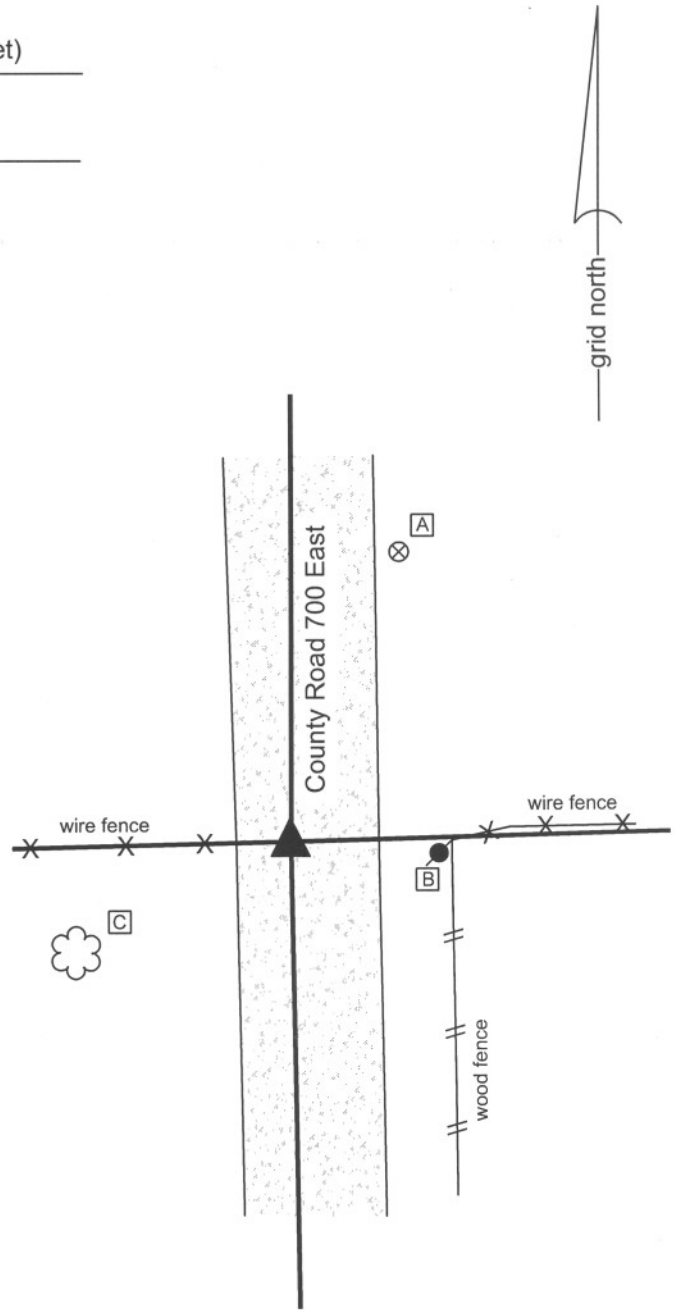
SCALE 1" = 20'



- A - Boone County witness mark, flush, 32.11'
- B - Mag nail set in N. side power pole, 2.0' a.g., 15.4'
- C - Mag nail set in N.E. side 20 inch diameter walnut tree, 3.0' a.g., 22.5'

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 stone found. A BCS record of August 19 and September 5, 1902 states "Located set Rock 6,7,18 + on W. side, sharp point of rock in line." A BCS tie card of June 7, 1991 shows the corner as a railroad rail found. BCS field notes dated August 14, 1975 states "No stone found set rod." No tie card was found associated with these notes. This corner was excavated on June 4, 2009. A railroad rail was found on end at 7 inches deep. A 5/8 inch rebar was found at 7 inches deep, 4.8 feet south of the rail. The record stone was found at 13 inches deep, 0.2 foot west and 0.7 foot south of the rail. The stone was broken in half but the two pieces combined to match the record dimensions. The stone measured 6 inches E-W by 7 inches N-S by 18 inches tall. The "+" was clearly visible on the west side and a distinct high point on the top of the stone was accepted as being the "sharp point" of the rock per the 1902 record. The stone was well embedded in the clay, protruding approximately 3 inches out of the clay in the base layer of the road. The stone was removed and a harrison monument was set in its place at the position of the high point of the stone. This corner was originally established as a wood post in July, 1821.



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

James S. Swift
 James S. Swift, IN LS 20200054
 July 14, 2010

Worth Twp	Union Twp
Section 6 T18N, R2E	Section 5 T18N, R2E

PHOTOGRAPHIC DOCUMENTATION

Date of photography: June 4, 2009

View of the stone as first exposed.



The bottom part of the stone found embedded in the road. Not the etched + on the side.



The two parts of the broken stone put together. Note the "sharp point" on the top of the rock.



The two parts of the stone removed from the road bed. The side facing the camera was the west side and the "sharp point" on the top of the rock is on the left in this picture.



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

SECTION CORNER RECORD

SE 100-600

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):

North: 1740952.71 East: 3156359.24 (U.S. survey feet) (standard corner)

North: 1740988.34 East: 3156358.57 (U.S. survey feet) (closing corner)

Type of monument: Harrison, 4" disk 'Section Corner', 2 inches below gravel (Cor. 1)

36 inch length of 5/8 inch diam. rebar with metal cap 'Boone County Surveyor', flush (Cor. 2)

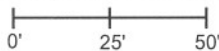
Indiana tie card references:

IN02_T18NR1E01_80 IN02_T18NR1E12_08

IN02_T18NR2E06_72 IN02_T18NR2E07_00

CORNER WITNESS DETAIL

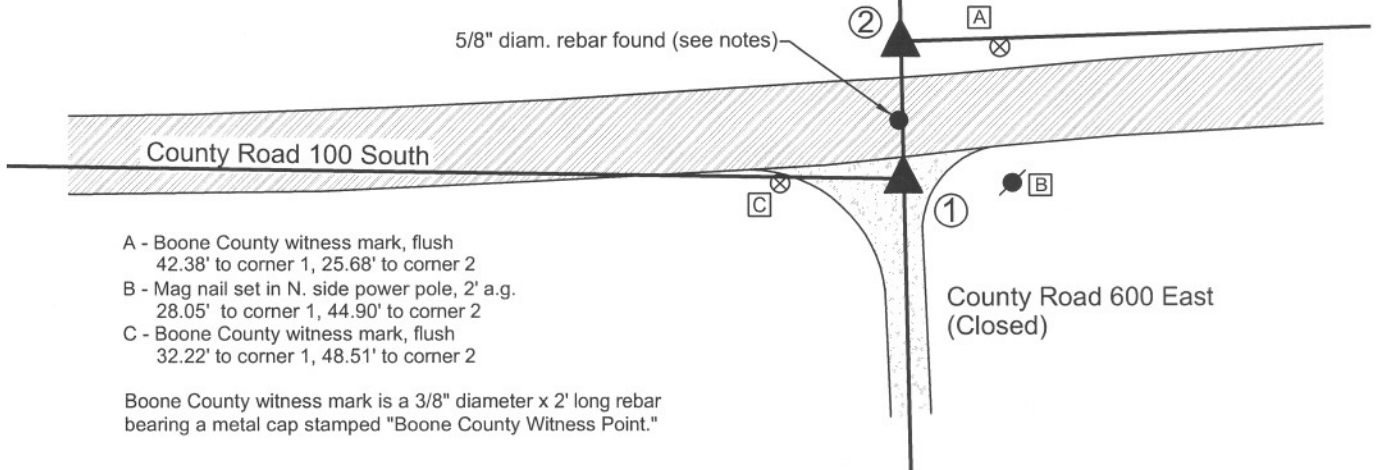
SCALE 1" = 50'



① S.E. Corner, Section 1
N.E. Corner, Section 12
T 18 N, R 1 E

② S.W. Corner, Section 6
N.W. Corner, Section 7
T 18 N, R 2 E

Distance between monuments:
54 links = 35.64 feet

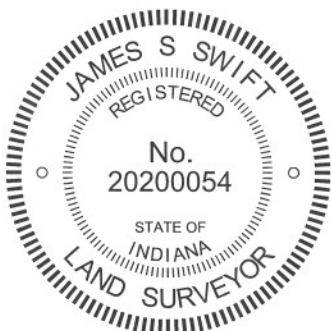


The harrison monument at corner 1 was set in place of a 5/8 inch diameter rebar found. The capped rebar at corner 2 was set at a calculated position. A BCS record of February 16, 1871 states with respect to corner 1 "Reestablished from stump of trees. Set a Rock. 16,16,9 +." A BCS record of October 19, 1895 states with respect to corner 2, Established Rock 18x12x10 marked +." BCS field notes dated August 22, 1967 for which no tie card was found state with respect to corner 1, "no stone." A BCS tie card dated December 9, 1994 show rebars at both corners but do not specifically reference a distance between the two corners. A BCS tie card dated October 25, 2005 shows corner 1 as a harrison monument. This document does not mention the adjacent corner 2, nor does the diagram on the document demonstrate the jog in County Road 100 South as it crosses the range line.

Prior to excavation, Mr. Jerry Carter, Registered Surveyor, questioned the position of the harrison monument set in 2005. Mr. Carter previously worked for Anderson & Associates, the company which produced the tie card and which set the harrison monument, and was employed by that firm at the time the harrison monument was set. Mr. Carter expressed his firm conviction that the harrison monument was not in the same position as a rebar previously held by Anderson & Associates, which he believed to be the same rebar shown on the 1994 tie card. Mr. Carter calculated the position of the rebar from information in his files and discovered that precisely at the calculated position a rebar did indeed exist, although it appeared to have lost its magnetic qualities and did not register on magnetic locator device. The rebar was found to be 1.8 feet south and 7.8 feet east of the harrison monument. The found rebar fit much better with local evidence in the form of the existing center of County Road 600 East than did the harrison monument. Per Mr. Carter, the rebar fits with deed references, monumentation and occupation lines to the west.

Excavation at corner 1, encompassing the locations of the rebar and harrison monument yielded no further evidence. Excavation in the vicinity of corner 2 yielded several rocks, none of which matched the description in the 1895 record nor were positively identifiable as section corner markers. The found rebar at corner 1 was held as marking the corner and was replaced with a harrison monument. The position of corner 2 was established on line between corner 1 and the standard corner approximately 1/2 mile north at the record government closing distance of 54 links, or 35.64 feet.

It is noted that another rebar exists, being in the roadway as it jogs across the range line. This rebar is 1.0 foot west and 15.2 feet north of the harrison monument set at corner 1. The source of this rebar is not known. Its position does not fit with any other evidence of either corner. This intermediate rebar was left in place, but should not be interpreted as marking either corner. The harrison monument set in 2005 was removed.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
March 30, 2012

Worth Township

Section 1 T18N, R1E	Section 6 T18N, R2E
Section 12 T18N, R1E	Section 7 T18N, R2E

SECTION CORNER RECORD

SE100-650

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):

North: 1741077.39 East: 3159230.19 (U.S. survey feet)

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

Depth: One inch below adjacent road surface

Indiana tie card references:

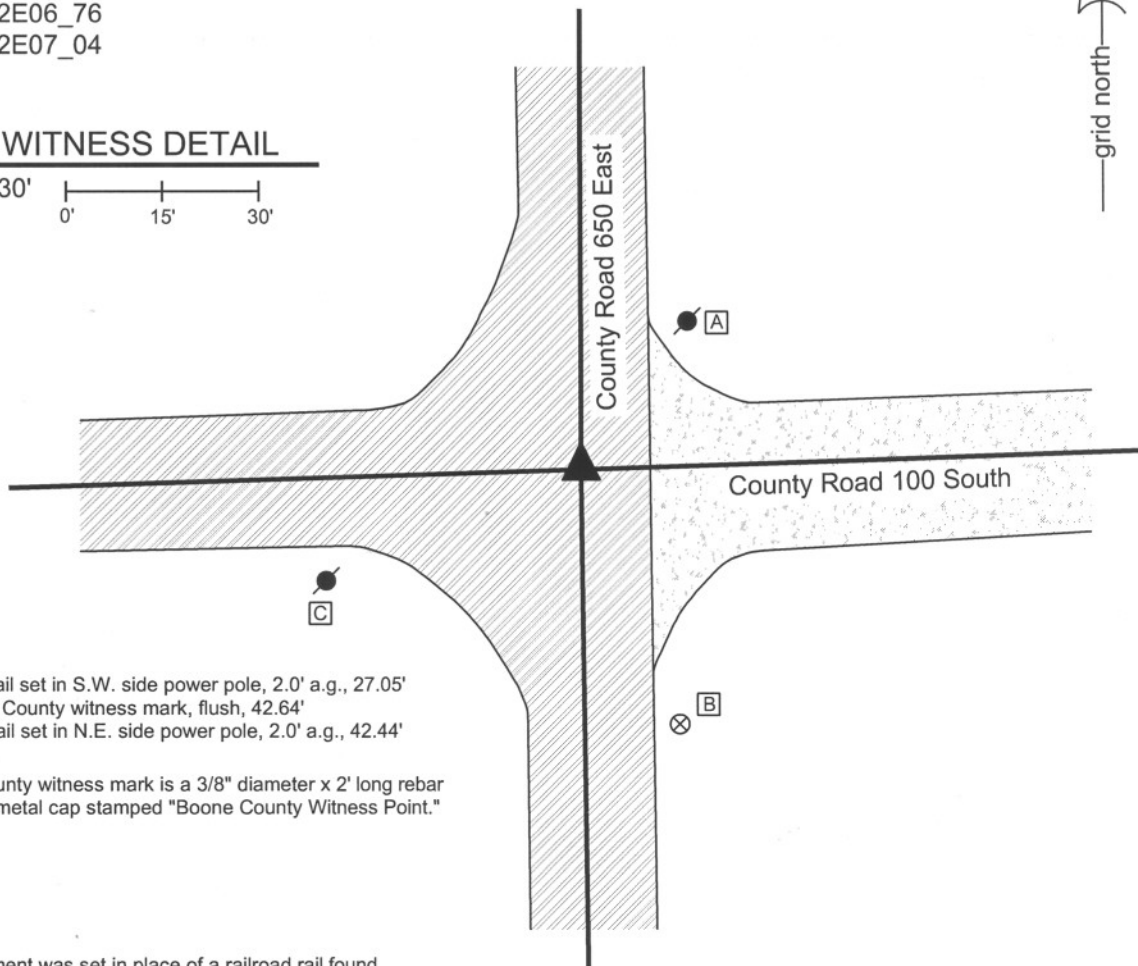
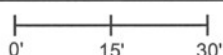
IN02_T18NR2E06_76

IN02_T18NR2E07_04



CORNER WITNESS DETAIL

SCALE 1" = 30'



A - Mag nail set in S.W. side power pole, 2.0' a.g., 27.05'

B - Boone County witness mark, flush, 42.64'

C - Mag nail set in N.E. side power pole, 2.0' a.g., 42.44'

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 February 16 - 17, 1871 states "Re-est from stump of Maple. Set a Rock 17,12,11+." A BCS tie card dated August 17, 1967 states "stone located."

This corner was excavated on June 5, 2009. Prior to excavation a mag nail was found at the surface. Excavation revealed a railroad rail on end found at 12 inches deep directly below the mag nail. No other evidence was found. It is considered most likely that the railroad rail was set on August 17, 1967 and replaced the stone. Removing the stone and replacing it with a railroad rail on end was a common practice of field crews from this office in that time frame, though in most cases the documentation simply refers to the stone found and mentions neither the rail nor the removal of the stone.

The harrison monument was set in the position of the railroad rail and nail, both of which were removed during excavation.

This corner was originally established as a wood post in July, 1821.



Kenneth E. Hedge
Kenneth E. Hedge, County Surveyor

James S. Swift
James S. Swift, IN LS 20200054
July 14, 2010

Worth Twp

Section 6
T18N, R2E

Section 7
T18N, R2E

SECTION CORNER RECORD

SE 100-700

BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):

North: 1741162.79 East: 3161869.83 (U.S. survey feet)

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

Depth: Eight inches below adjacent gravel road surface

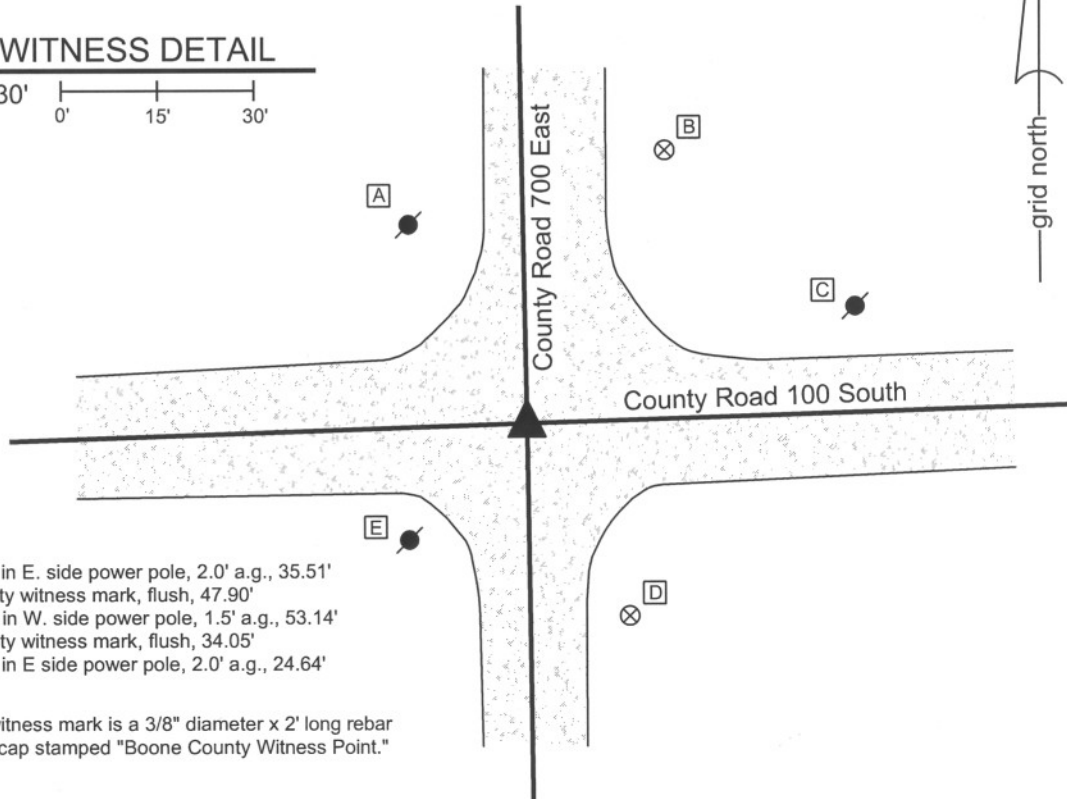
Indiana tie card references:

IN02_T18NR2E05_72 IN02_T18NR2E06_80

IN02_T18NR2E07_08 IN02_T18NR2E08_00

CORNER WITNESS DETAIL

SCALE 1" = 30'



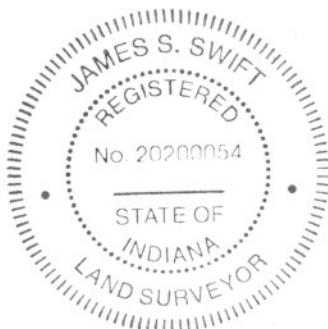
- A - Mag nail set in E. side power pole, 2.0' a.g., 35.51'
- B - Boone County witness mark, flush, 47.90'
- C - Mag nail set in W. side power pole, 1.5' a.g., 53.14'
- D - Boone County witness mark, flush, 34.05'
- E - Mag nail set in E side power pole, 2.0' a.g., 24.64'

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 rebar found.

A BCS record of February 27, 1871 states "Re Established from Oak stump. Set a Rock 14.12.10 marked + (under bridge)." A BCS tie card dated June 7, 1991 shows the corner as a 5/8 inch rebar found. This corner was excavated on May 28, 2009. Prior to excavation a 5/8 inch rebar was found at 3 inches below grade. The rebar was slightly bent at the top but the horizontal position of the main shaft was detectable. The reference in the 1871 to "under bridge" is a confusing reference as it is not clear where or why there might have been a bridge at this intersection. Excavation revealed no more monuments of any kind. An area 7 feet N-S by 11 feet E-W, centered on the found rebar at the approximate center of the intersection, was excavated to at least 30 inches deep and the clay layer below the main road bed. Remnants of an old red clay tile were found at 2 feet, directly under the rebar. The tile appeared to bear in a N-S direction. The presence of the tile may explain the absence of the stone, as the stone may have been removed during the installation of the tile. The harrison monument was set in the horizontal position of the rebar.

This corner was originally established as a wood post in July, 1821.



Kenneth E. Hedge
 Kenneth E. Hedge, County Surveyor

James S. Swift
 James S. Swift, IN LS 20200054
 July 14, 2010

Worth Twp Union Twp

Worth Township	Section 6 T18N, R2E	Section 5 T18N, R2E
	Section 7 T18N, R2E	Section 8 T18N, R2E