

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.

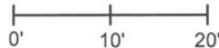
Indiana tie card references:

IN02_T18NR2E05_36

IN02_T18NR2E06_44

CORNER WITNESS DETAIL

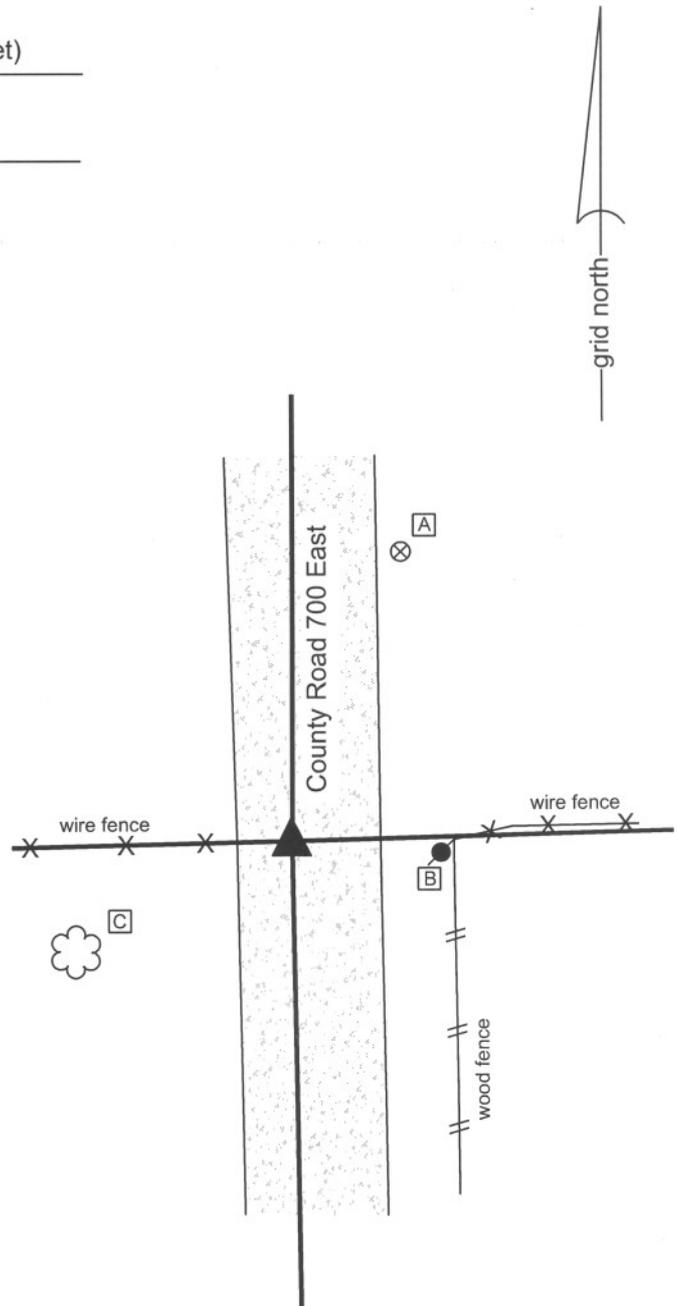
SCALE 1" = 20'



- 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)

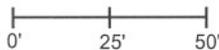
Indiana tie card references:

IN02_T18NR1E01_80 IN02_T18NR1E12_08

IN02_T18NR2E06_72 IN02_T18NR2E07_00

CORNER WITNESS DETAIL

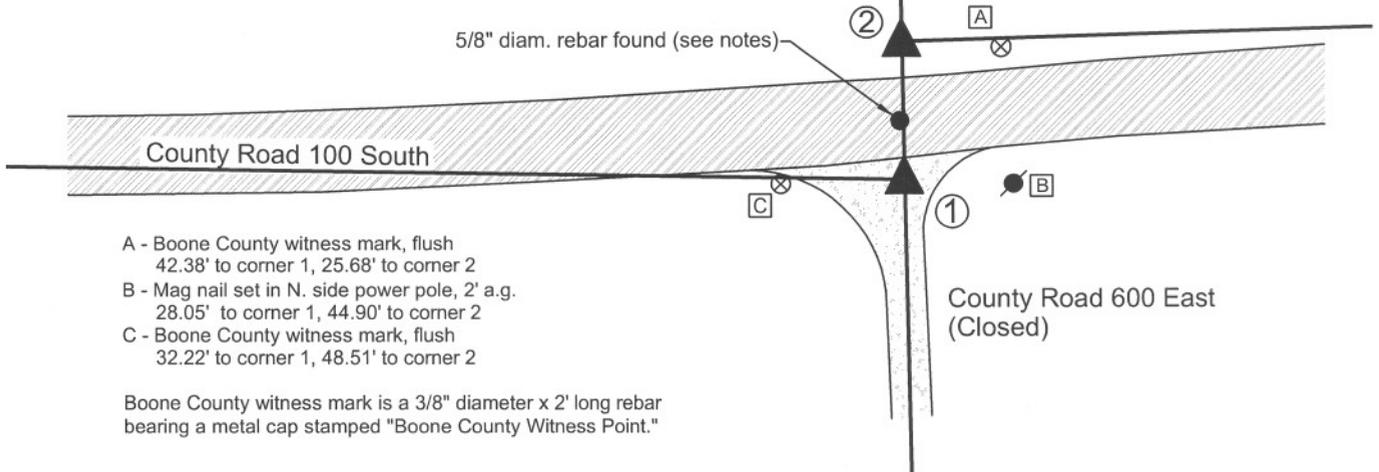
SCALE 1" = 50'



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

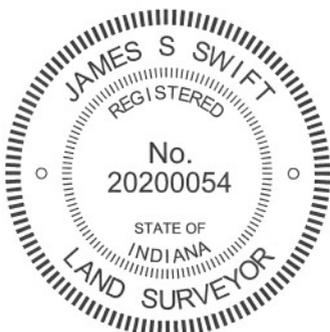


The harrison monument at corner 1 was set in place of a 5/8 inch diameter rebar found. The capped rebar at corner 2 was set at a calculated position. A BCS record of February 16, 1871 states with respect to corner 1 "Reestablished from stump of trees. Set a Rock. 16,16,9 +." A BCS record of October 19, 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:

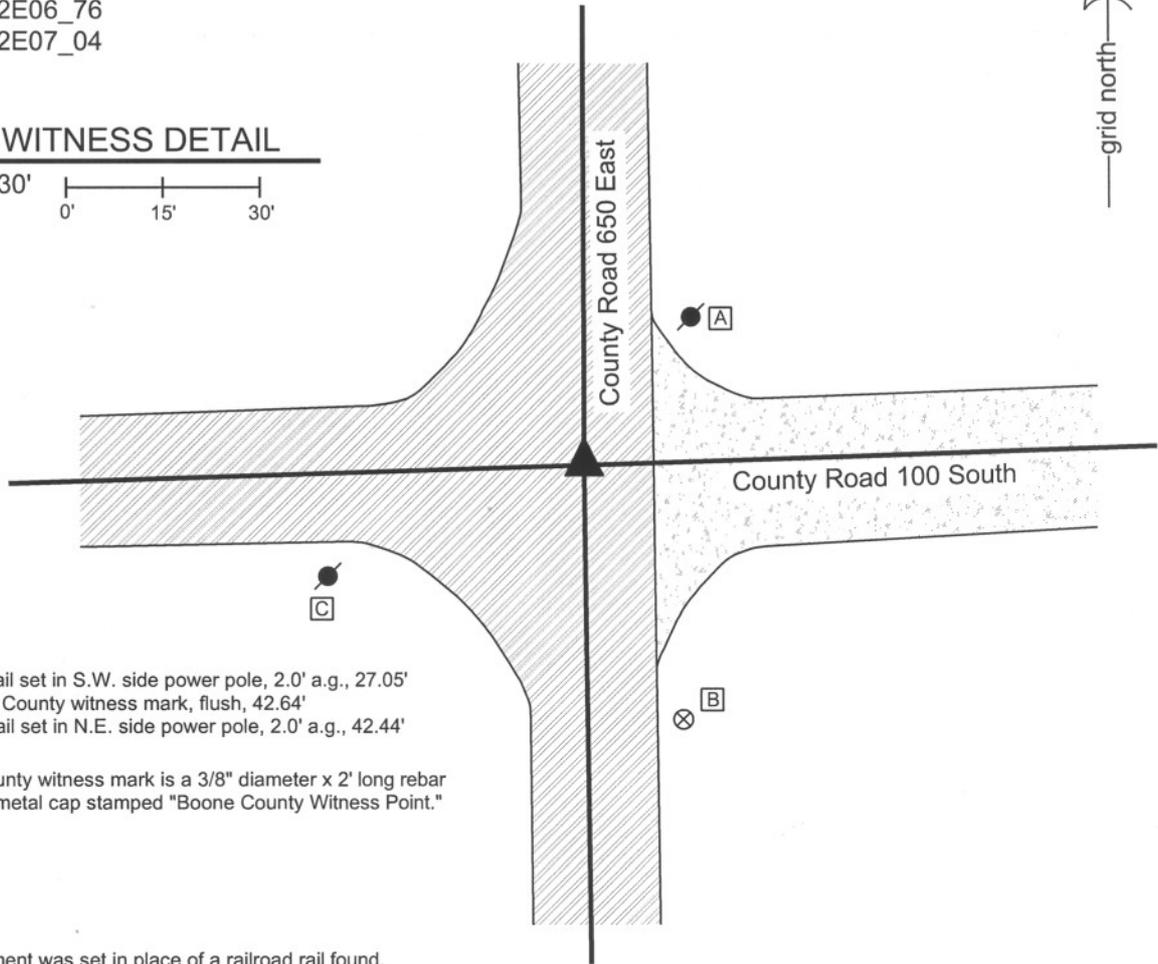
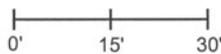
IN02_T18NR2E06_76

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

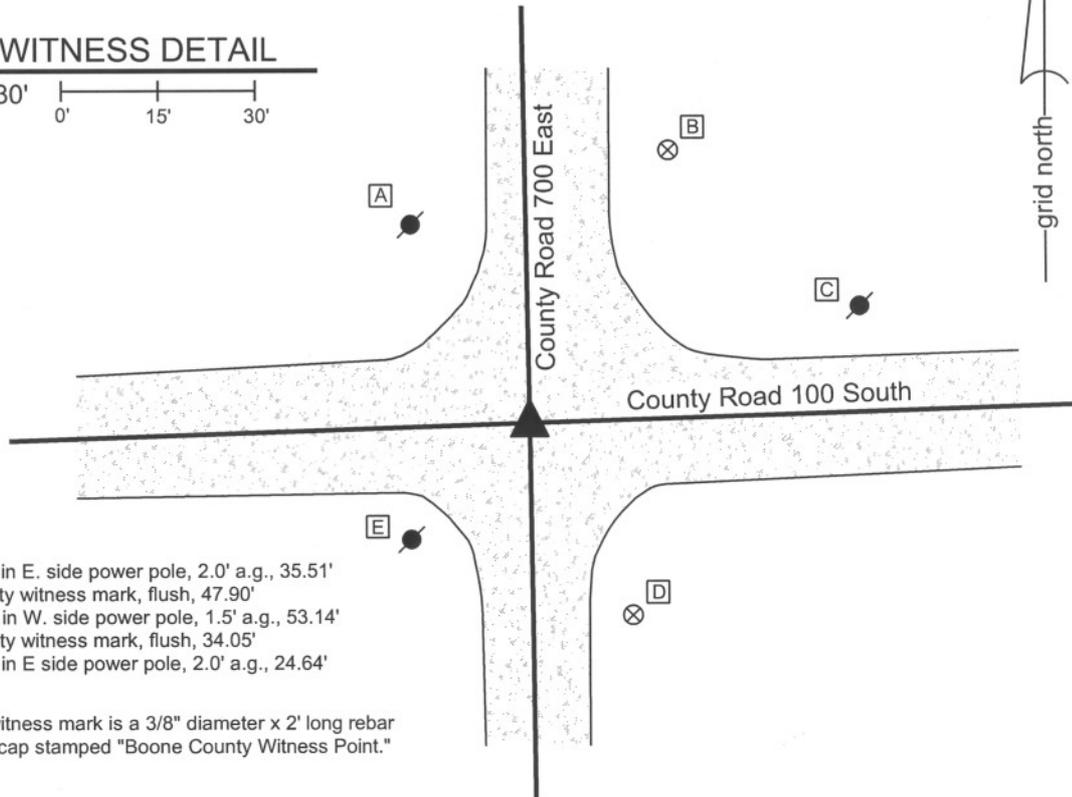
Indiana tie card references:

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