SECTION CORNER RECORD

SE 700-400

BOONE COUNTY SURVEYOR'S OFFICE

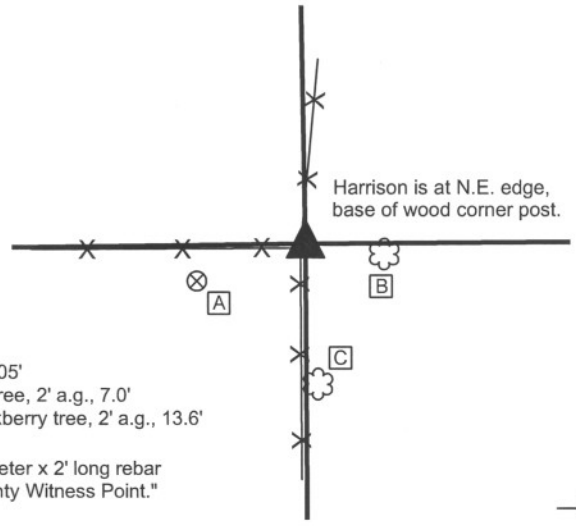
State Plane grid coordinates NAD83 (NSRS 2007):
North: 1708980.17 East: 3146305.02 (U.S. survey feet)

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."

- 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 os 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.

JAMES S SWIFT
REGISTERED
No.
20200054
STATE OF
INDIANA
LAND SURVEYOR

Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054

February 27, 2009 Revised July 25, 2011

Perry Township

Section 3 T17N, R1E	Section 2 T17N, R1E
Section 10 T17N, R1E	Section 11 T17N, R1E

SECTION CORNER RECORD

SE 700-450

BOONE COUNTY SURVEYOR'S OFFICE

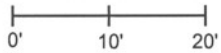
State Plane grid coordinates NAD83 (NSRS 2007):
North: 1708999.93 East: 3148947.77 (U.S. survey feet)

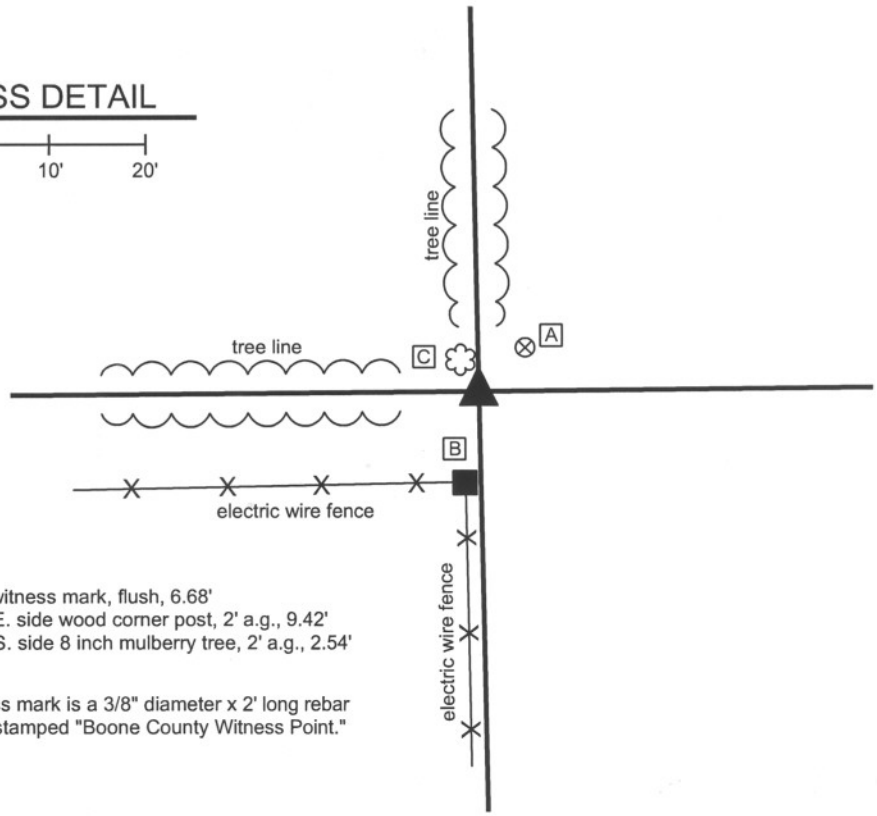
Type of monument: Harrison, 4" disk 'Section Corner'
Depth: 2 inches above adjacent ground in concrete pillar

Indiana tie card references:
IN02_T17NR1E02_76
IN02_T17NR1E11_04

CORNER WITNESS DETAIL

SCALE 1" = 20'





A - Boone County witness mark, flush, 6.68'
B - Mag nail set in E. side wood corner post, 2' a.g., 9.42'
C - Mag nail set in S. side 8 inch mulberry tree, 2' a.g., 2.54'

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

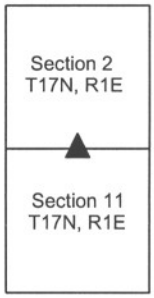
The harrison monument was set in the position of a stone found.
A BCS record of April 9, 1866 states "Rock 24,15,6 marked +." No BCS tie cards were found for this corner. A survey recorded as Instrument 200700002138 holds the remains of a cedar post as the corner, noting that several non-descript stones were found nearby. The record stone was found broken into two parts. The main part, being the bottom 15 inches, was found on the ground at the east edge of a large granite slab. The smaller part, being the top 9 inches was found slightly northeast, buried just below the grass. The etched "+" is clearly visible on the top part of the stone. The orientation of the two parts indicated that the main section was generally in the position it would have been had the stone fallen over and broken and the top part not moved after breaking away from the bottom part. The main part of the stone falls at the intersection of the old tree lines to the north and west. Remnants of the base of an old cedar post were found approximately 1 foot southeast of the main part of the stone. This fits with a pattern detected at other corners wherein the old post is set adjacent to the record stone. The harrison monument was set in the position of the main part of the stone as found. The two parts of the stone were removed and are on display in the Boone County Surveyor's Office.
This corner was originally established as a wood post in June, 1820.

Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054

March 11, 2009 Revised July 14, 2010

Perry Twp



BOONE COUNTY SURVEYOR'S OFFICE

SE 700-450

PHOTOGRAPHIC DOCUMENTATION
Date of photography: April 18, 2008

Stone hunter Junior Franklin holds the two pieces of the record stone found. The bottom portion was lying upon the ground and the top portion was shallowly buried, slightly to the northeast.

A closer view of the two portions of the stone.

A closer view yet. Note the etched cross on the top portion of the stone. Both portions of the stone were removed and are on display in the Boone County Surveyor's Office.

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

SECTION CORNER RECORD

SE 700-500

BOONE COUNTY SURVEYOR'S OFFICE

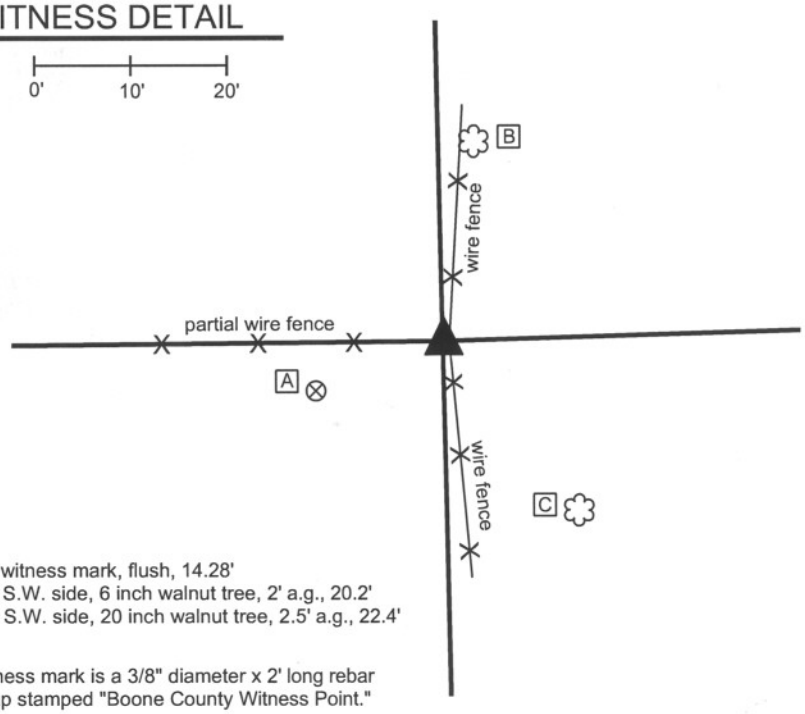
State Plane grid coordinates NAD83 (NSRS 2007):
North: 1709024.83 East: 3151584.84 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'
Depth: 2 inches above adjoining ground in concrete pillar

Indiana tie card references:
IN02_T17NR1E01_72 IN02_T17NR1E02_80
IN02_T17NR1E11_08 IN02_T17NR1E12_00

CORNER WITNESS DETAIL

SCALE 1" = 20'



A - Boone County witness mark, flush, 14.28'
B - Mag nail set in S.W. side, 6 inch walnut tree, 2' a.g., 20.2'
C - Mag nail set in S.W. side, 20 inch walnut tree, 2.5' a.g., 22.4'

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 the base of an old cedar corner post found.
A BCS record of March 11, 1915 states "Found Rock at Corner." No BCS tie cards were found for this corner. An old, round, wood corner post is visible at the intersection of fences to the North, South and West. The base of an older, 6 inch by 6 inch cedar post was found immediately west of this post. A small rock, measuring approximately 6x3x4 inches was found against the west edge of the base of the old cedar post. No other rocks were found in the immediate vicinity of this corner. The base of the cedar post was accepted as the best available evidence of the original location of the corner. The post was partially removed and the harrison monument was set in the position of the post,.
This corner was originally established as a wood post in May, 1820.

JAMES S. SWIFT
REGISTERED
No. 20200054
STATE OF
INDIANA
LAND SURVEYOR

Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054

March 11, 2009, Revised July 14, 2010

Perry Township

Section 2 T17N, R1E	Section 1 T17N, R1E
Section 11 T17N, R1E	Section 12 T17N, R1E

BOONE COUNTY SURVEYOR'S OFFICE

SE 700-500

PHOTOGRAPHIC DOCUMENTATION
Date of photography: April 28, 2008

Base of old cedar post exposed.
View from northwest.

Current corner post and base of old cedar post.
View from southwest.

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

SECTION CORNER RECORD

SE 750-400

BOONE COUNTY SURVEYOR'S OFFICE

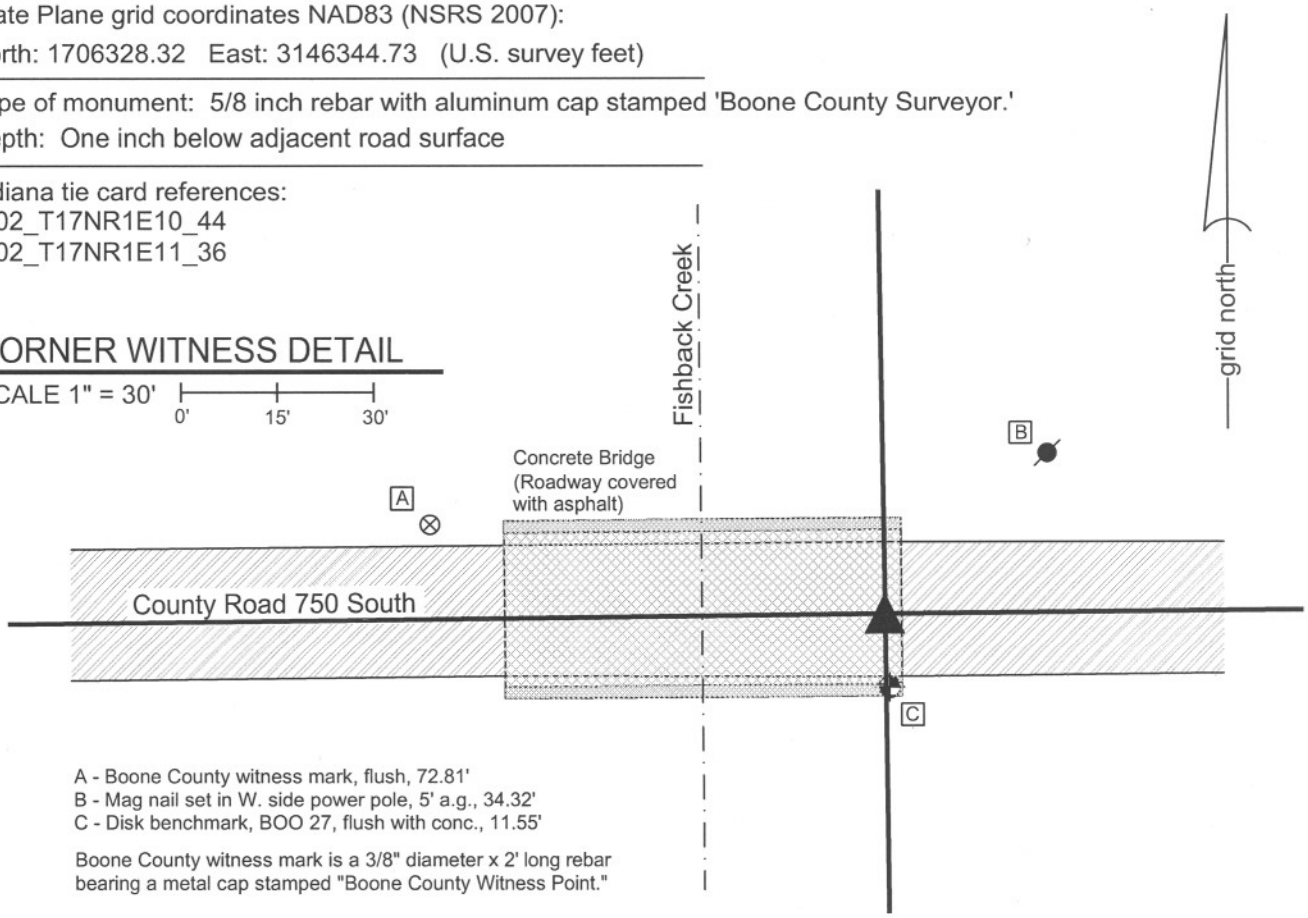
State Plane grid coordinates NAD83 (NSRS 2007):
North: 1706328.32 East: 3146344.73 (U.S. survey feet)

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 Pjoject 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 postion 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 calcuated 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.

JAMES S SWIFT
REGISTERED
No.
20200054
STATE OF
INDIANA
LAND SURVEYOR

Kenneth E. Hedge, County Surveyor

James S. Swift, IN LS 20200054
March 1, 2012

Perry Township

Section 10 T17N, R1E	Section 11 T17N, R1E

SECTION CORNER RECORD

SE 750-500

BOONE COUNTY SURVEYOR'S OFFICE

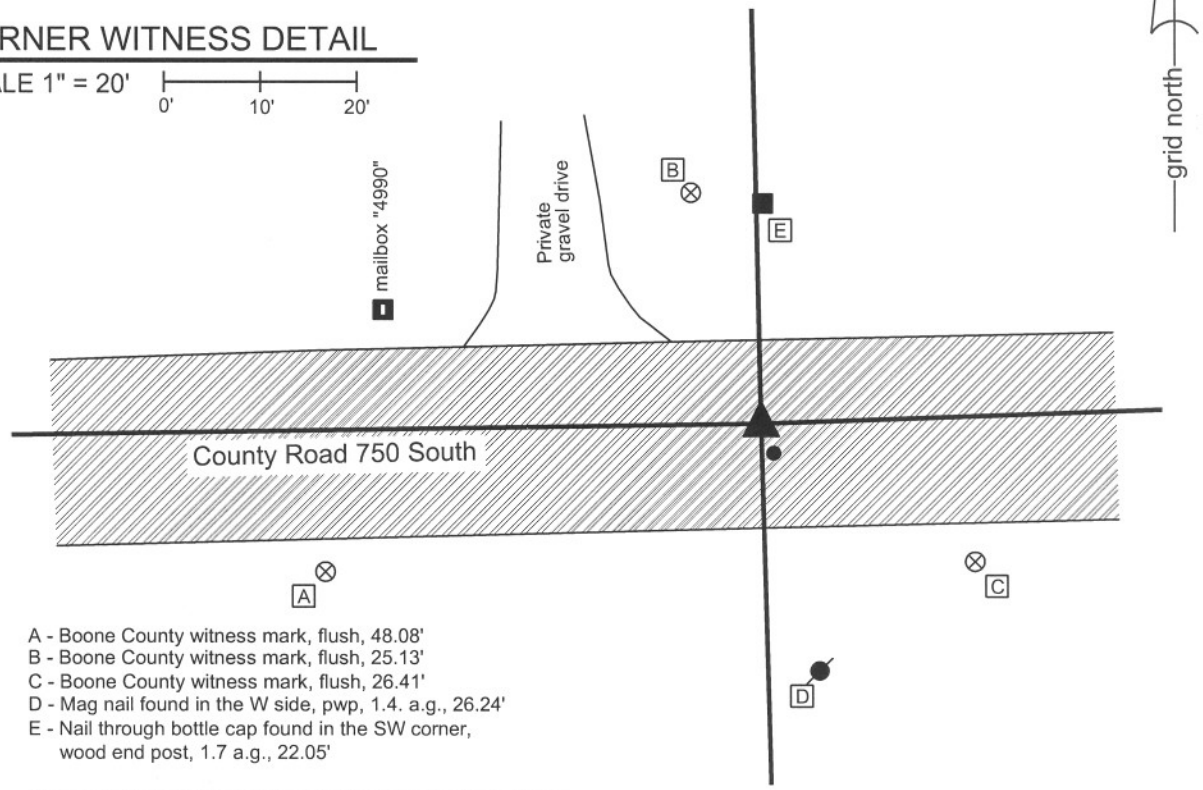
State Plane grid coordinates NAD83 (NSRS 2007):
North: 1706382.96 East: 3151644.41 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'
Depth: Flush with road surface

Indiana tie card references:
IN02_T17NR1E11_44
IN02_T17NR1E12_36

CORNER WITNESS DETAIL

SCALE 1" = 20'



A - Boone County witness mark, flush, 48.08'
B - Boone County witness mark, flush, 25.13'
C - Boone County witness mark, flush, 26.41'
D - Mag nail found in the W side, pwp, 1.4. a.g., 26.24'
E - Nail through bottle cap found in the SW corner, wood end post, 1.7 a.g., 22.05'

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

Survey control mark is a 3/8" diameter x 2' long rebar bearing a red plastic cap stamped "Control Point."

The Harrison monument was set over the approximate center of the top of a 11 inch by 18 inch (top dimensions) granite stone found and accepted as marking the corner. The top of the stone is 20 inches below the surface of the road. Boone County Surveyor Records dated June 28, 1864 call out this corner as "a stone that was set" with no dimensions stated for the stone. The found stone fits well with local evidence in the form of the exisiting roadway and fence to the north, as well as fitting with other evidence through the E-W center of Section 12, as found in 2007 and shown in the 1864 record. A 5/8" rebar of unknown origin was found, 1 inch below grade, 3.1' S and 1.3' E of the stone. The original corner was set in May, 1820.

JAMES S. SWIFT
REGISTERED
No. 20200054
STATE OF
INDIANA
LAND SURVEYOR

Kenneth E. Hedge, County Surveyor

Perry Township

James S. Swift, IN LS 20200054
December 21, 2007

Section 11 T17N, R1E	Section 12 T17N, R1E

BOONE COUNTY SURVEYOR'S OFFICE

SE 750-500

PHOTOGRAPHIC DOCUMENTATION
Date of photography: 9/07/2007

Photograph of found stone, taken from the south. The top of the stone is 11 inches by 18 inches and 20 inches below the surface of the road. The Harrison monument was set over the approximate center point of the top of the stone.