

PREPARED BY: BLACK HAWK COUNTY ENGINEERS OFFICE
316 E. FIFTH STREET, ROOM 211 WATERLOO, IOWA 50703

PH.# (319) 833-3008
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SLSI 9-94
BHCO 03-09

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF
Land Survey Monuments situated in Section 10, Township 88 N,
Range 12 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in File Book N/A, Page N/A, in County Recorder's Office.

(Show reason for preparing this certificate): There is No Certificate for the corner on file with County Recorder, per
Ia. Code 355.11(1)(a).

(Evidence and detailed procedures used in establishing the corner position(s) and monumentation found or placed.)

Monument Description and Remarks: E. 1/4 CORNER

FOUND TYP. I&DOT ALUM. MONUMENT IN PCC BR. DECK OF HWY. #20 BR. OVERPASS. CORNER
REFERENCED TO LAND CORNERS BOTH NORTH & SOUTH AS PART OF 2009 RESURFACING
PROJECT. CORNER LOC. 9.9' EAST OF "WEST" EDGE PCC APPROACH PVMT., AND LOCATED IN
S.B.L. @ $\pm 3.7'$ SOUTH OF NORTH PCC APPROACH EXP. JOINT.
ADDITIONAL P.I. (TO N.) REFERENCED WITH CERT. AS PART OF C.L. GEOM. CONTROL REPLACED
DURING RESURF. PROJECT, PER OLD HWY. #297 I&DOT PROJ. F-1000(2) AS-BUILT DTD. 1959.
GEOM. P.I. (I&DOT STA. 173+29.5) TEMP. REF. PER RTK GPS, FROM FOUND NAIL AS DENOTED,
AND X-TIED FOR ADDITIONAL DOC. REFERENCE.

NOTE: ALL DISTANCES PLUMB/HORIZ.
(H.D.), "UNLESS DENOTED".

PLAN VIEW

"NOT TO SCALE"

BHco Hist. Ties: BK. #1001 p.10 88-12

FIELD BOOK: BHco. #489 p.p. 1-2

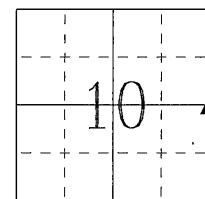
(Show a minimum of three reference ties to durable physical objects, relevant monuments and physical conditions
that will enable recovery of the corner.)

- 1.) TIES PER EDM MEASURE IN EITHER
PRISM "OR" NON-PRISM MODE, WHILE
UTILIZING "DIRECT" MEASURE, WITH
ALL DISTANCES PLUMB/HORIZ. (HD),
UNLESS DENOTED.
- 2.) SECTION LINE MEASURE REFERS
TO "LOCAL GROUND" DIST. AND
INCLUDES ELLIPSOIDAL (COMBINED)
SCALE FACTOR FROM S.P.C. GRID
INVERSE (AS OBSERVED, PER AVG.
SCALE FACTOR = 1.0000823320405)
- 3.) P.I. STA. 161+67.5 (PER F-1000(2)):
DELTA = $1^{\circ}31'$ LT. vs. $1^{\circ}30'17''$ (M)
D. = $0^{\circ}15'$
T. = 303.4'
L. = 606.7'
E. = 2.0'
R. = 22,920.0'

N.E. COR. SECT.
10-T88-R12,
PER UPDATE.

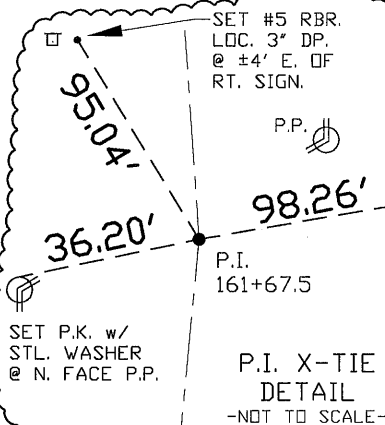
FND. NAIL w/
WASHER ON TOP OF
WOODEN GAUDDRAIL
POST (3rd POST
FROM TERM. END)

P.O.T.
173+29.5
(I&DOT 1959)
1161.05' (M)
(1162.1' Plan)
181°30'17"
(M)
P.I.



R 12 W

P.I. 161+67.5 (3.)
FND. NAIL (TYP.)
& RESET #5
REBAR.



REF. FND.
I&DOT.T. RAIL
@ 100' C.L.
(@ TOP HIGH
BACKSLOPE).

FND. CUT "X" ON
TOP OF BRIDGE
CONC. SIDE RAIL

2650.61' (M)
(2651.3' WPA)
1489.63' (M)
9.74' (C)
vs. 10.0' (R)
per I&DOT
50.59'
46.79'
2638.78' (M)
(2638.8' WPA)
2639.03' (M)

FND. NAIL w/
WASHER @ TOP
OF WOODEN GAUDDRAIL
POST (3rd
POST FROM TERM.
END)

FND. CUT "X" ON
TOP OF BRIDGE
CONC. SIDE RAIL

S.E. COR. SECT.
10-T88-R12,
PER UPDATE.

S.P.C., Ia. N. Zone, USft

N=3629622.87'

E=5266809.48'

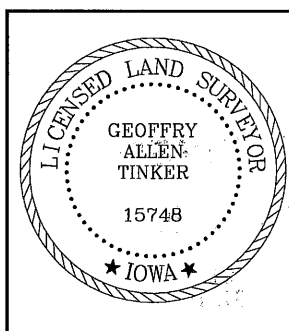
(NAD83-2007 "BHco07", RTK Obs.)

P.O.T. 120+38.5
(I&DOT Plan)

FIELD SURVEY: G.T. & J.D. & M.C. 6/01/10

PREPARED BY: T.K. & J.D. & G.T. 1/6/11

CERTIFICATION



I hereby certify that this land surveying document
was prepared and the related survey work was
performed by me or under my direct personal
supervision and that I am a duly licensed Land
Surveyor under the laws of the State of Iowa.

Geoffrey Allen Tinker 01/07/2011
Geoffrey Allen Tinker (date)

License Number 15748

My license renewal date is December 31, 2012

Pages or sheets covered by this seal:

This Land Corner Certificate Only.

LIST CORNERS TO BE INDEXED

Corner	Section -	Township -	Range
E. 1/4 Cor.	10	88 N	12 W
W. 1/4 Cor.	11	88 N	12 W

INDEX OF ABBREVIATIONS

(M) = "Measured" Dimension
(P) = "Platted" Dimension
(R) = "Record" Dimension
(C) = "Calculated" Dimension
(GCS) = Iowa Geodetic Survey
(WPA) = Works Progress Admin. Survey
"G" = per George Miller Survey (BHco Surveyor 1858-1860)
"B" = per John Ball Survey (BHco Surveyor 1866-1891)
"N" = per Nathan Barber Survey (BHco Surveyor 1908-1931)
"NP" = Reflectorless EDM Meas.
"MLM" = Indirect Measure
"CM" = Concrete Monument
"SM" = Survey Marker Spike/Tag
"PK" = PK/MAG Nail Brand Style