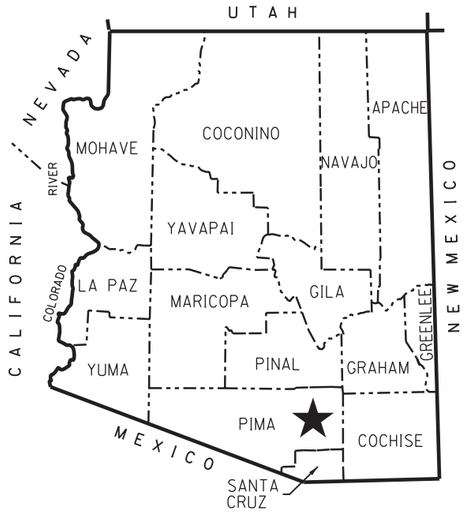
RESULTS OF SURVEY

TUCSON - NOGALES HIGHWAY
SAN XAVIER RD. - JCT I-10
019 PM 057 H5105 01R



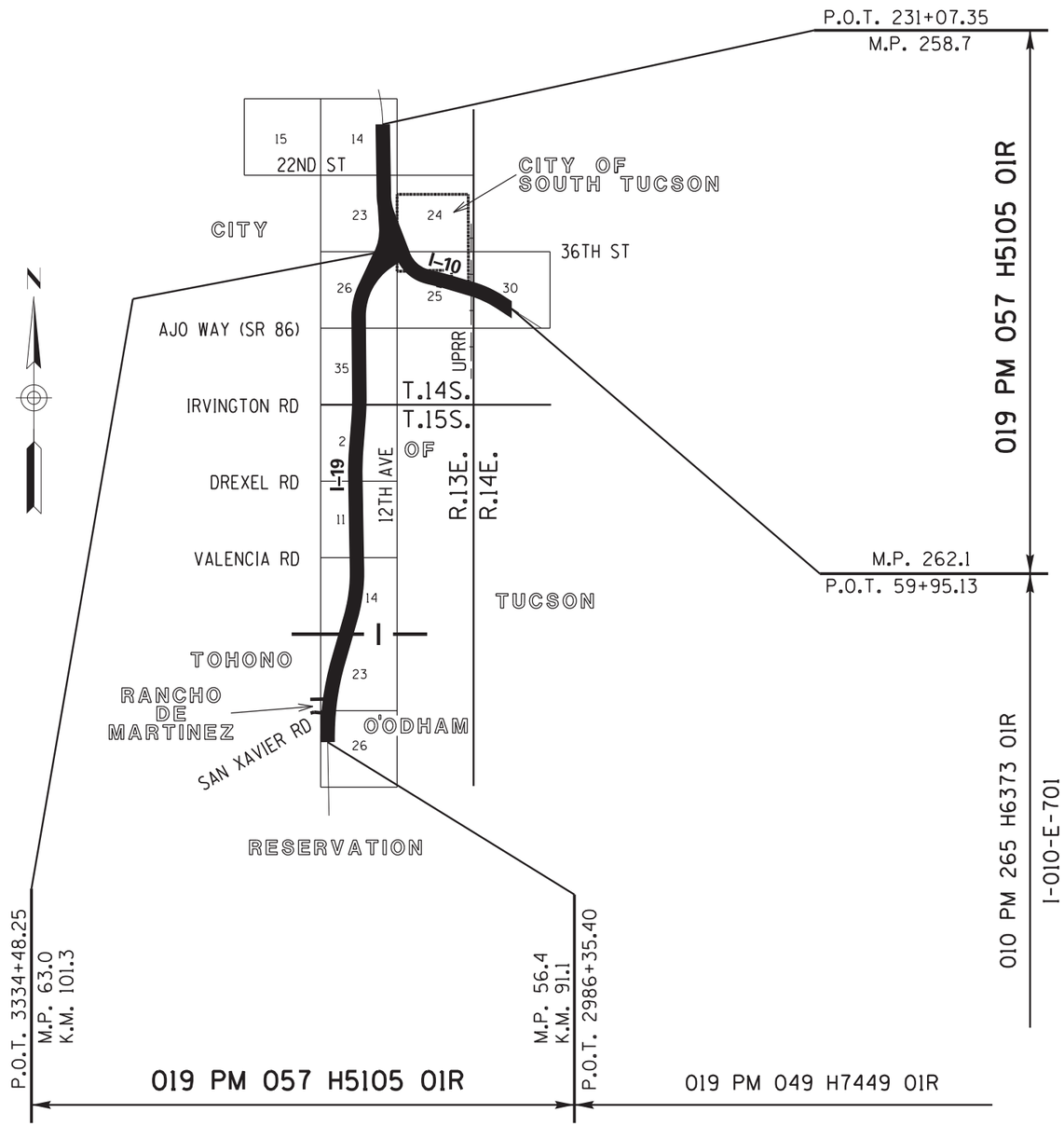
★ PROJECT LOCATION

COUNTY NAME: PIMA
LENGTH OF PROJECT: 10.0 MILES
ADOT DISTRICT: TUCSON (T)
DRAWING NUMBER: D-10-T-419

Click here for I 10 Index

SHEET INDEX

COVER SHEET	1
STANDARD ABBREVIATIONS & SYMBOLS	S-1
RESULTS OF SURVEY	RS-1 TO RS-32
TOTAL SHEETS	34



ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION

ADOT

019rw057_cvr.dgn

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:40:36 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

RIGHT OF WAY – STANDARD ABBREVIATIONS & SYMBOLS

A	
Acres	Ac.
Ahead	Ahd.
And Husband	et vir
And Others	et al
And Wife	et ux
Approximate	Approx.
Avenue	Ave.
B	
Back	Bk.
Book	Bk.
Boulevard	Blvd.
Brass Cap	B.C.
Bureau of Indian Affairs	B.I.A.
Bureau of Land Management	B.L.M.
Bureau of Reclamation	B.O.R.
C	
Calculated	(C)
Center	Ctr.
Centerline	℄
Construction	Constr.
Corner	Cor.
County	Co.
Curve Information	
Curve to Spiral	C.S.
Degree of Curve	D
Delta	Δ
Length of Curve	L
Point of Compound Curve	P.C.C.
Point of Curvature	P.C.
Point of Intersection	P.I.
Point of Reverse Curve	P.R.C.
Point of Reverse Spiral	P.R.S.
Point of Tangent	P.T.
Point on Curve	P.O.C.
Point on Tangent	P.O.T.
Point on Semi-Tangent	P.O.S.T.
Radius	R
Spiral rate of change	a
Spiral to Curve	S.C.
Spiral to Tangent	S.T.
Tangent Length	T
Tangent to Spiral	T.S.

D	
Degrees	°
Department	Dept.
Docket	Dkt.
Drainage Easement	DE
Drive	Dr.
E	
Easement	Esmt
East	E.
Electrical	Elec.
Equation	Equa.
Existing	Exist.
F	
Federal	Fed.
Feet	'
Flowage Easement	FE
Final Order of Condemnation	FOC
Found	Fd.
H	
Highway	Hwy.
Highway Easment Deed	HED
Homestead Entry Survey	HES
I	
Inch	In. or "
Irrigation	Irr.
J	
Junction	Jct.
L	
Lane	Ln.
Left	Lt.
Local Tangent Bearing	L.T.B.
M	
Measured	(M)
Mile Post	M.P.
Mineral Survey	M.S.
Minutes	'
Miscellaneous	Misc.
Monument	Mon.
N	
North	N.
Not to Scale	N.T.S.
Number	No.
P	
Page	Pg.
Parcel	Par.
Parkway	Pkwy.
Place	Pl.
Ponding Easement	PE
Public Utility Easement	PUE
Q	
Quit Claim Deed	QCD
R	
Railroad	R.R.
Range	R.
Record	(R)
Right	Rt.
Right of Way	R/W
Road	Rd.
S	
Seconds	"
Section	Sec.
Sheet	Sht.
Slope Easement	SE
South	S.
Special Warranty Deed	SWD
Square	Sq.
Square Feet	S.F.
State Route	S.R.
Station	Sta.
Street	St.
Subdivision	Subd.
T	
Telegraph	Tlg.
Telephone	Tel.
Township	T.
Temporary	Temp.
Temporary Construction Easement	TCE
Traffic Interchange	T.I.
U	
United States General Land Office	U.S.G.L.O.
W	
West	W.
Warranty Deed	WD

Boundary Lines
- City Limit Line
- County Line
- Forest-City Limit Line
- Forest-Reservation Line
- Land Grant Boundary Line
- National-State Boundary Line

Centerlines
- Exist. Centerline w/ticks
- Exist. Centerline wo/ticks
- New Constr. Centerline
- New Survey Centerline
- Railroad Centerline
- Centerline on Results of Survey

Control Lines
- Exist. Access Control Line
- New Access Control Line

Easement Lines
- Exist. Easement Line
- Exist. Drainage Easement Line
- New Perpetual Easement Line
- TCE Line

Misc. Lines
- Ditch-River Line
- Meander Line
- Mining Claim Line

Property Lines
- Lease Property Line
- Property Line
- Subdivision Property/Road Line
- Additional area to be acquired

Public Land Survey Lines
- Mid Section Line
- Section Line
- Sixteenth (1/16) Line
- Township-Range Line

R/W Lines
- Exist. ADOT R/W Line
- Exist. Non-ADOT R/W Line
- New R/W Line
- Railroad R/W Line
- Railroad-Highway R/W Line

Topographic Features
- Cut Slope Limit Line
- Exist. Fence Line
- Exist. Topo Line
- Fill Slope Limit Line
- New Fence Line

Break Line

Data Circle (1)

Data Hex (1)

Data Square [1]

Dimension Arrow

Dimension Tie

Exist. ADOT R/W Monument

New R/W Monument or R/W control point

Centerline Control or Supplemental Monument

Property Anchor Bar

Property-Lease & Unpatented Mining Claim Anchor Bar

Property Limit Arrow

Property-Lease & Unpatented Mining Claim Limit Arrow

Parcel Bubble 7-8858

Survey Control Pt or Angle Point

T.1S. R.6E.

SECTION 7
MARICOPA CO.

North Arrow

31 | 32 / 6 | 5 Found or Set Section Corner

4 ◇ 3 Found or Set Quarter Corner

3 Found or Set Center Quarter Corner

31 | 32 + 6 | 5 Unfound Section Corner

4 + 9 Unfound Quarter Corner

3 Unfound Center Quarter Corner

MP 115 Mile Post Marker (approximate location)

Click here for I 10 Index

019rw057_std.dgn

DRAWING NO.	D-10-T-419	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	*Professional Land Surveyor AZ No. 21782* Digitally signed by Scott A. Nelson Date: 2014.01.30 16:01:32 -07'00' *(Expires 9-30-15)* ELECTRONIC SEAL http://www.btr.state.az.us/
SURVEY	June 2011		
DRAWN/DATE	J. Haws/May 11	HIGHWAY NAME: NOGALES - TUCSON	
ADOT REVIEW	S. Parker	FEDERAL AID NO.: UNASSIGNED	
HUBBARD ENGINEERING 480-892-3313 Mesa, AZ snelsonehubbardengineering.com Job # 10210		PROJECT NO.: 019 PM 057 H5105 01R	
ROUTE NO.: I-19	LOCATION: SAN XAVIER RD - JCT I-10		SHEET S-1

RESULTS OF SURVEY

For additional and more current information regarding ADOT Existing R/W lying west of I-10 within the south half of Section 23 and along Santa Cruz Lane, Flandaca Boulevard and El Puente Lane, see R/W Plans Project I-10-4-808.

T.14S. R.13E.

PIMA COUNTY

Click here for I 10 Index

CITY OF SOUTH TUCSON

TUCSON

MATCH LINE

SHEET RS-2

SHEET RS-3

SHEET RS-11

SHEET RS-12

SHEET RS-13

SHEET RS-14

SHEET RS-16

SHEET RS-17

See Detail 'A' on Sheet RS-5

See Detail 'B' on Sheet RS-2

See Detail 'D' on Sheet RS-5

See Detail 'F' on Sheet RS-5

See Detail 'E' on Sheet RS-5

See Detail 'G' on Sheet RS-5

See Detail 'H' on Sheet RS-5

See Detail 'I' on Sheet RS-5

See Detail 'J' on Sheet RS-5

See Detail 'K' on Sheet RS-5

See Detail 'L' on Sheet RS-5

See Detail 'A' on Sheet RS-2

See Detail 'F' on Sheet RS-2

See Detail 'G' on Sheet RS-2

See Detail 'A' on Sheet RS-17

See Detail 'B' on Sheet RS-17

See Detail 'B' on Sheet RS-5

See Detail 'C' on Sheet RS-5

339
1/4 Cor.
Set 3" A.C. on 5/8" Rebar Flush, Stamped "T14S R13E 1/4 S24 S25 2011 RLS 21782"
Re-established by Modified Single Proportionate Methods from points 110 & 1152 using record information as shown on ADOT R/W project NH-10-4(142)

1152
Sec. Cor.
Fd. 2" B.C. in HH 14" down Stamped "T14S R13E S24 S19 S25 S30"

474
1/4 Cor.
SFNF
Position calc'd by Modified Single Proportionate Methods from points 1282 & 1152 using record information as shown on ADOT R/W project IR-10-5(64)

1282
Sec. Cor.
Fd. 3" AHD B.C. in HH 12" down Added stamp "RLS 21782"

1156
1/4 Cor.
Fd. 2" C.O.T. B.C. in HH 6" down Stamped "T14S R13E S25 S36 1999 RLS 23956"

1154
C1/4 Cor.
Fd. 2" B.C. in HH 10" down Stamped "C.O.T. T14S R13E C1/4 25 LS 23956 1999"

1157
Sec. Cor.
Fd. 3" AHD B.C. in HH 12" down Added stamp "RLS 21782"

1526
1/4 Cor.
Fd. 2" B.C. in HH 12" Down Added stamp "RLS 21782"

1108
Sec. Cor.
Fd. 3" ADOT A.C. in HH Added stamp "RLS 21782"

1112
1/4 Cor.
Fd. 1 1/2" Pipe in concrete 1" up Added tag stamped "RLS 21782"

1113
N1/16 Cor.
Fd. 5/8" Rebar 6" down Added tag Stamped "RLS 21782"

111
Sec. Cor.
Fd. 2" B.C. in HH, Stamped "C.O.T. 1997 T14S R13E S14 S13 S23 S24 LS23956"

110
Sec. Cor.
Fd. 2" A.C. Flush Stamped "ADOT ROW T14S R13E S23 S24 S26 S25 LS 18222 2008"

1114
1/4 Cor.
Fd. 2" B.C. Flush in concrete, Stamped "LS 36786"

2210
1/4 Cor.
SFNF
Position calculated by projecting a line from Pt. 110 through Pt. 1577 5.00' south

2211
E1/16 Cor.
SFNF
Position calculated by projecting a line from Pt. 1305 through Pt. 1260 30.00' east

2310
C1/4 Cor.
Fd. 1-1/2" Capped pipe In Conc. 4" up Stamped "CEN OF SEC 1/4 CITY"

712
C1/4 Cor.
SFNF
Calculated by Intersection

713
1/4 Cor.
SFNF
Set 3" A.C. on 5/8" Rebar Flush, stamped "T14S R13E 1/4 S11 S14 2011 RLS 21782"
Re-established by Single Proportionate Methods

714
1/4 Cor.
SFNF
Set 3" A.C. on 5/8" Rebar Flush, stamped "T14S R13E 1/4 S15 S14 2012 RLS 21782"
Re-established by Proportionate Methods between Pts. 1936 & 1937 per RS Bk 6, Pg 3

1111
1/4 Cor.
Fd. 2" B.C. Flush Added stamp "RLS 21782"

1110
Sec. Cor.
Fd. 3-1/2" GLO B.C on 2-1/2" Iron Pipe in mound of stones stamped "T14S R13E S15 S14 S22 S23 1942" 16" up

1115
C1/4 Cor.
Fd. 2" B.C. in HH 14" down Stamped "COT 1999 T14S R13E C1/4 S23 RLS 23956"

1119
1/4 Cor.
Fd. 2" A.C. Flush, stamped "CITY OF TUCSON RLS 31032"

1305
C1/4 Cor.
Fd. 3" Lead Cap on 2-1/2" Iron Pipe 4"up; Pipe bent to NW, shot at base of pipe at ground. Added tag stamped "RLS 21782"

1307
1/4 Cor.
Fd. 1/2" Rebar 2" up Added tag stamped "RLS 21782"

3043
W1/16 Cor.
SFNF
Position set on section line at record distance from Pt. 117 shown on Mission Creek Bk 40 Pg 23

1567
1/4 Cor.
Fd. 3" A.C. Flush, Stamped "T14 R13E 1/4 S34 S35 2009 RLS 37172"

1109
Sec. Cor.
Fd. 3 1/2" GLO B.C., Flush In Concrete filled Terra Cotta Pipe, stamped "T14S R13E S10 S11 S15 S14 1942"

1939
NE1/16 Cor.
Fd. 2 1/2" GLO B.C., on 1" Iron Pipe, Stamped "NE 1/4 1/16 S15 1942" 20" up

1936
N1/16 Cor.
Fd. 2 1/2" GLO B.C., on 1" Iron Pipe, Stamped "N 1/16 S15 S14 1942" 1" up

1937
C1/4 Cor.
Fd. 2 1/2" GLO B.C., on 1" Iron Pipe, Stamped "C 1/4 S15 1942" 19" up

1117
1/4 Cor.
Fd. 2" B.C. In HH 12" down Stamped "COT T14S R13E 1/4 S22 S23 RLS 23956 1999"

1120
Sec. Cor.
Fd. 3" BLM B.C. on 2 1/2" Iron Pipe 12" up, Stamped "T14S R13E S22 S23 S27 S26 1952"

1/4 Cor
SFNF

117
Sec. Cor.
Fd. 3" AHD B.C. In HH, Stamped "2465.02 1405x41 1962"

LEGEND

302 Set Monument
300 Found Monument
C.O.T. City of Tucson
301 Calculated position
Existing ADOT R/W monument
SFNF Search For Not Found

SECTIONAL CONTROL & KEY MAP LAYOUT

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:41:22 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.bir.state.az.us/

SHEET RS-1

0 300 600 Scale

019rw057_rs01.dgn

RESULTS OF SURVEY

PIMA COUNTY

CITY OF SOUTH TUCSON

CITY OF TUCSON

Campbell Ave

36th St

Ajo Way

I-10

PARK AVE

SHEET RS-15

SHEET RS-14

SHEET RS-1

MP 0

MP 1

MATCH LINE

T.14S. R.14E.

T.14S. R.13E.

N00°40'24"W 2641.30'

N00°43'56"W 2643.97'

N00°40'15"W 2638.27'

N00°40'15"W 2641.94'

N00°35'14"W 2635.01'

N00°55'35"W 2639.97'

N89°17'44"E 2639.11'

N89°21'41"E 2639.21'

N89°24'19"E 2642.05'

N89°17'25"E 2621.47'

N89°21'41"E 2625.32'

N89°24'19"E 2613.56'

N89°22'45"E 2629.40'

N89°01'03"E 2626.10'

N89°16'19"E 2644.17'

UNION PACIFIC RAILROAD

118
Sec. Cor.
Fd. 1/2" Rebar
In HH
Added tag Stamped
"RLS 21782"

1280
1/4 Cor.
Fd. 3" C.O.T. A.C.
Flush, Stamped
"RLS 20373"

1279
1/4 Cor.
Fd. 1/2" Rebar
In HH 6" down
Added tag stamped
"RLS 21782"

2075
C1/4 Cor.
SFNF
Position Calculated
By Intersection

1281
1/4 Cor.
Fd. 3" AHD B.C.
In HH 6" down
Added stamp
"RLS 21782"

1475
Sec. Cor.
Fd. 2" B.C. Flush,
Stamped "RLS 31591"

1282
Sec. Cor.
Fd. 3" AHD
B.C. In HH
12" down
Added stamp
"RLS 21782"

1152
Sec. Cor.
Fd. 2" B.C.
In HH 14" down
Stamped "T14S
R13E S24 S19
S25 S30"

474
1/4 Cor.
SFNF
Position calc'd by Modified
Single Proportionate Method from
points 1282 & 1152 using record
information as shown on ADOT R/W
project IR-10-5(64).

339
1/4 Cor.
Set 3" A.C. on 5/8" Rebar
Flush, Stamped "T14S R13E
1/4 S24 S25 2011 RLS 21782"
Re-established by Modified Single
Proportionate Method from points
110 & 1152 using record information
as show on ADOT R/W project
NH-10-4(142)

1154
C1/4 Cor.
Fd. 2" B.C. In
HH 10" down
Stamped "C.O.T.
T14S R13E C1/4
25 LS 23956 1999"

1156
1/4 Cor.
Fd. 2" C.O.T. B.C. In HH
6" down Stamped "T14S R13E
S25 S36 1999 RLS 23956"

See Detail 'A'
See Detail 'B'
See Detail 'C'
See Detail 'D'
See Detail 'E'
See Detail 'F'
See Detail 'G'
See Detail 'H'
See Detail 'I'

DETAIL 'A'

1752
Fd. Chiseled 'X'

N70°14'13"E 174.93'

339

1153
Fd. 1/2" Rebar w/Plastic
Cap Illegible In Pavement

N02°29'04"E 29.31'

DETAIL 'B'

Reference monuments of
unknown origins.

1635
Fd. Chiseled "X"
In Concrete

S55°42'28"E
45.46'

1152

DETAIL 'C'

1279

N89°52'20"W 5.51'

1233
Fd. 2" B.C Flush
Not Accepted

DETAIL 'D'

N69°34'52"W
18.61'

3

2075

1289
Fd. 1-1/2"
A.C. Flush
Stamped
"C.O.T. GPS"
Not Accepted

DETAIL 'E'

Reference monuments per
Arizona Land Survey Corner
Record Dkt 9195, Pg 1575.

1628
Fd. Chiseled "X"
In Concrete

N52°10'30"E 94.20'

N74°13'32"E 77.71'

1627
Fd. Chiseled "X"
In Concrete

1280

S47°08'51"W
66.20'

1629
Fd. Chiseled "X"
In Concrete

DETAIL 'F'

Reference monuments
per Monument Reference
Survey Bk 20, Pg 76.

1738
Fd. Chiseled
Crowsfoot In
Concrete

N51°29'07"W
60.20'

1737
Fd. Chiseled
Crowsfoot In
Concrete

N39°02'41"E 49.19'

1156

S39°05'06"W 76.28'

1736
Fd. Chiseled
Crowsfoot In Concrete

DETAIL 'G'

Reference monuments of
unknown origins.

1282

1698
Fd. Chiseled "X"
In Concrete

S44°38'54"E
31.13'

S40°13'07"W
30.78'

1699
Fd. Chiseled "X"
In Concrete

N70°34'56"W
136.97'

1700
Fd. Chiseled
"X" In
Concrete

DETAIL 'H'

Reference monuments of
unknown origins.

S57°00'31"E 39.98'

1693
Fd. Nail In Curb
w/tag stamped
"RLS 31032 RP"

N12°43'35"E 54.89'

1231
Fd. 3" ADOT
A.C. Flush

1697
Fd. Chiseled 'X'
In Concrete

N57°07'08"W 88.32'

1281

S50°53'06"E
46.73'

1696
Fd. Nail In Curb
w/tag stamped
"RLS 31032 RP"

S69°05'56"W 144.72'

1695
Fd. Nail In Curb
w/tag stamped
"RLS 31032 RP"

DETAIL 'I'

Reference monuments per
Arizona Land Survey Corner
Record Dkt 8930, Pg 1559.

1692
Fd. Chiseled "X"
In Concrete

N77°17'23"E 25.35'

1475

N78°38'12"W 25.25'

1689
Fd. Chiseled "X"
In Concrete

1691
Fd. Chiseled "X"
In Concrete

S70°35'37"E
27.10'

S70°50'40"W
26.20'

1690
Fd. Chiseled "X"
In Concrete

Click here for I 10 Index

LEGEND

302 Set Monument

300 Found Monument

C.O.T. City of Tucson

301 Calculated position

Existing ADOT R/W monument

SFNF Searched For Not Found

SECTIONAL CONTROL & KEY MAP LAYOUT

0 300 600
Scale

019rw057_rs02.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19

LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782

Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:41:37 -07'00'

(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-2

RESULTS OF SURVEY

1457
1/4 Cor.
Fd. 3" B.C. Flush,
Stamped "T15S
R13E 1/4 Cor
S2 S11 1998
LS 12213"
Not Accepted

2209 **
Sec. Cor.
SFNF
Set 3" A.C. epoxied
in concrete Flush,
Stamped "T15S R13E
1/4 S2 S11 2012
RLS 21782"

N05°13'20"W
1.15'

DETAIL 'A'

1501
Fd. 1-1/2" Iron
Pipe 2" up
Not Accepted

S87°58'31"E
1.47'

2206 ***
C1/4 Cor.
SFNF
Set 3" A.C. on
5/8" Rebar Flush,
Stamped "T15S R13E
C1/4 S11 2012 RLS 21782"

DETAIL 'B'

S47°55'29"E
76.60'

1492
Fd. 1/2" Steel Pin
w/tag stamped
"PCDOT REF 22"

N45°34'50"E 104.54'

N47°58'11"W 98.83'

1490
Fd. Chiseled "X"
In Concrete

1494
Fd. Chiseled "X"
In Concrete

S19°31'10"W 88.29'

1495
Fd. 1/2" Steel Pin
w/tag stamped
"PCDOT REF"

S45°27'43"W 104.12'

1496
Fd. Chiseled "X"
In Concrete

1460

DETAIL 'C'
Reference monuments
per Pima County Survey
Monument Reference Record

* Reestablished by proportionate methods between the N1/4 Corner (Pt. 108) and S1/4 Corner (Pt. 2209) of Section 2 per Parque de Santa Cruz Final Plat Bk 32, Pg 38 with the intersection of east-west mid-section line of Section 2 (said east-west mid-section line created by offsetting 5.00' to the south a best-fit line through Pts. 1957, 1959, 1960, 1962, 1964 and 1968).

** Reestablished by projecting a line from the SE Corner (Pt. 116) Section 2 through the S 1/16 Corner (Pt. 1445) Section 2 a proportional distance determined between Pt. 1445 and Pt. 1503 as shown on Drexel Terrace No. 2 Final Plat Bk 19, Pg 96 and Santa Cruz Industrial Park Final Plat Bk 24, Pg 15. (Pt. 1457 not accepted; per Results of Survey Bk 18, Pg 64, position was computed by single proportionate measurement between Points 1445 & 1503. This removed the angle at said 1/4 corner noted on numerous prior plats and surveys and instead created angles in the section line at Points 1445 & 1503.)

*** Reestablished by proportionate methods between the N1/4 Corner (Pt. 2209) and S1/4 Corner (Pt. 106) of Section 11 per Santa Cruz Industrial Park Final Plat Bk 24, Pg 15. (Pt. 1501 not accepted as its position does not agree with prior plats and surveys.)

PIMA COUNTY

1157
Sec. Cor.
Fd. 3" AHD
B.C. in HH
12" down
Added stamp
"RLS 21782"

SHEET RS-1

CITY

1526
1/4 Cor.
Fd. 2" B.C. in HH
12" down
Added stamp
"RLS 21782"

N00°36'20"W 2644.93'

See Detail 'L'
on Sheet RS-5

1570
Sec. Cor.
Fd. 2" B.C. in HH
12" down
Added stamp
"RLS 21782"

N00°36'20"W 2645.61'

1455
1/4 Cor.
Fd. 1/2" Rebar in HH,
16" down
Added cap stamped
"RLS 21782"

N00°26'54"W 2663.45'

1957
1959

See Detail 'O'
on Sheet RS-5

116
Sec. Cor.
Fd. 2" B.C. Flush,
Stamped "RLS 25086"

See Detail 'P'
on Sheet RS-5

12th Ave

N00°26'43"W 2640.80'

1458
1/4 Cor.
Fd. 2" B.C. in HH,
12" down
Stamped "RLS 23956
1/4 S11 S12 T15S R13E"

N00°06'25"E 2675.22'

115
Sec. Cor.
Fd. 2" B.C. in HH
6" down, Stamped
"PE 1322"

N00°51'24"W
2627.02'

N00°03'59"E 2691.20'

See Detail 'D'

SHEET RS-4

1478
1/4 Cor.
Fd. 2" B.C.
Flush
Added stamp
"RLS 21782"

See Detail 'K'
on Sheet RS-5

SHEET RS-11

2363
SE1/16 Cor.
Fd. PK Nail In
Pavement No Tag

N89°16'38"E
1321.63'

MP
61

N89°22'44"E 2641.71'

Irvington Rd

N89°10'30"E
2645.00'

Nebraska St

1960
1962
1964
1968
1961
1963
1965
1966
1967

OF

1445
E1/16 Cor.
Fd. 2" B.C.
Flush at Intersection
Of Santa Clara &
Drexel Rd.
Stamped "RLS 25086"

N87°59'04"E
1346.50'

1685
1446

MP
60

1459
E1/16 Cor.
Fd. 1-1/2" A.C.
Flush at Intersection
Of Santa Clara &
Santa Rosa
Stamped "CITY OF
TUCSON"

Rosa

N87°46'26"E
1320.08'

MP
59

Rd

2588.60'

1307
1/4 Cor.
Fd. 1/2"
Rebar, 2" up
Added tag
Stamped
"RLS 21782"

2310
C1/4 Cor.
Fd. 1 1/2" Capped Pipe
In Conc. 4" up
Stamped "CEN OF SEC
1/4 CITY"

See Detail 'M'
on Sheet RS-5

108
1/4 Cor.
Fd. Chiseled "X"
In Concrete

2209 **
1/4 Cor.
SFNF
Set 3" A.C. epoxied
in concrete Flush,
Stamped "T15S
R13E 1/4 S2 S11
2012 RLS 21782"

2679.43'
N00°04'07"E

N87°59'04"E
1346.59'

2206 ***
C1/4 Cor.
SFNF
Set 3" A.C.
on 5/8" Rebar Flush,
Stamped "T15S R13E
C1/4 S11 2012 RLS 21782"

1444

Santa

N87°46'43"E
1319.94'

1499
C1/4 Cor.
Fd. 3" B.C.
4" up,
Stamped
"T15S R13E
CENTER
S14 1998
LS 12213"

106
1/4 Cor.
Fd. Broken Plug
Flush In Conc.
Unable to tag

N88°52'12"E

2681.29'
N00°02'43"E

1327.20'

1327.82'

N00°31'45"W 2661.27'

N00°32'06"W 2655.02'

I-19

N01°02'00"W 2683.38'

See Detail 'B'

N01°00'58"W 2640.24'

N00°22'12"W
2630.70'

KM
69

754
S1/16 Cor.
SFNF
Position established at
intersection of north-south
mid-section line & a line
projected from Pt. 2363
through Pt. 1309

KM
68

2003 *
C1/4 Cor.
SFNF
Lands In northbound
travel lane of Interstate 19

KM
97

Drexel Rd

See Detail 'A'

KM
69

KM
59

1461
1/4 Cor.
Fd. 3" B.C.
4" down,
Stamped
"T15S R13E
1/4 Cor
S15 S14
1998
LS 12213"

117
Sec. Cor.
Fd. 3" AHD
B.C. in HH
Stamped
"2465.02
1405x41 1962"

N00°25'07"W 2666.02'

3194
W1/16 Cor.
SFNF
Position established
on line and at
midpoint between
Pts. 1567 and 2310

1321.10'

N89°31'25"E 2642.20'

1321.10'

T.14S. R.13E.

T.15S. R.13E.

SHEET RS-10

SHEET RS-9

SHEET RS-8

1503

N88°03'47"E 2606.97'

N88°21'33"E 2627.62'

N88°49'44"E 2618.94'

N88°37'54"E 2631.39'

TUCSON

Valencia

SANTA CRUZ RIVER

N89°10'49"E
2650.10'

N00°22'07"W 2670.78'

N00°21'58"W 2670.91'

N00°26'46"W 2718.69'

N00°22'47"W 2692.36'

N00°46'03"W 2648.59'

N00°44'52"W 2649.36'

See Detail 'C'

N00°06'54"W
2628.78'

MATCH LINE

See Detail 'J'
on Sheet RS-5

1567
1/4 Cor.
Fd. 3" A.C. flush,
Stamped "T14S R13E
1/4 S34 S35 2009
RLS 37172"

1453
Sec. Cor.
Fd. 2" C.O.T. B.C.
In HH 12" down
Stamped "34 35
3 2 RLS 20373"

See Detail 'N'
on Sheet RS-5

1454
1/4 Cor.
Fd. 1/2" Rebar,
12" down
Added tag stamped
"RLS 21782"

1571
Sec. Cor.
Fd. 3" ADOT B.C.
In concrete 42" down
Stamped "S3 S2
S10 S11 1998
LS 12213"

1502
1/4 Cor.
Fd. 3 1/2" A.C.
In concrete 42" down
Stamped "1/4 PE 5955
T15S R13E"

1460
Sec. Cor.
Fd. 2" B.C.
In HH 8" down
Added stamp
"RLS 21782"

MATCH LINE

1716
Fd. Nail In Curb
w/tag stamped
"REF RLS 13019"

1715
Fd. Nail In Curb
w/tag stamped
"REF RLS 13019"

N40°12'11"E 87.96'

S47°47'41"E 58.88'

S40°07'55"W 91.14'

N47°50'42"W 104.81'

1714
Fd. Nail In Curb
w/tag stamped
"REF RLS 13019"

1717
Fd. Nail In Curb
w/tag stamped
"REF RLS 13019"

115

DETAIL 'D'
Reference monuments
per Monument Reference
Survey Bk 35, Pg 20.

Click here for I 10 Index

LEGEND

302 Set Monument

300 Found Monument

C.O.T. City of Tucson

301 Calculated position

Existing ADOT R/W monument

SFNF Searched For Not Found

SECTIONAL CONTROL & KEY MAP LAYOUT

0 300 600
Scale

019-w057_rs03.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10
SHEET RS-3

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:42:36 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY

NOTE:
The Rancho de Martinez boundary shown on this survey was established using the Grant Boundary adjustment method as shown on Pages 176-177 in the 2009 BLM Manual.
The south Rancho boundary - west line of Section 26 intersection was established by prorating using the measured distances against GLO record distances between the NW Section Corner of Section 26 (Pt. 7055) and the 1/64 corner (Pt. 2609). The north Rancho boundary - west line of Section 23 intersection was established by prorating using the measured distances against GLO record distances between the SW Corner of Section 23 (Pt. 7055) and the W1/4 Corner of Section 23 (Pt. 2604). The Rancho boundary located within Sections 23 and 26 was then adjusted between these two prorated positions.

115
Sec. Cor.
Fd. 2" B.C.
In HH
6" down
Stamped
"PE 1322"

See Detail 'D' on Sheet RS-3

SHEET RS-3

CITY

12th Ave

1478
1/4 Cor.
Fd. 2" B.C.
Flush
Added stamp
"RLS 21782"

N00°51'24"W 2627.02'

N00°50'28"W 2638.44'

114
Sec. Cor.
Fd. 2" B.C. in HH,
Added stamp
"RLS 21782"

N88°48'42"E 1305.55'

1379
E1/16 Cor.
Fd. 2" B.C.
Flush, Stamped
"C.O.T. RLS 23956"

See Detail 'B'

N88°54'01"E 1320.49'

TOHONO OF

1463
E1/16 Cor.
Fd. 12"x12" Concrete Square
With Brass stem, cap is missing

N88°46'31"E 1305.41'

Elvira Rd

1499
C1/4 Cor.
Fd. 3" B.C.
4" up, Stamped
"T15S R13E
CENTER S14 1998
LS 12213"

Los Reales Rd

N88°53'29"E
1315.18'

1785*
1/4 Cor.
Fd. 3/4" Iron Bar in
Concrete Flush
Added tag stamped
"RLS 21782"

See Detail 'A'

106
1/4 Cor.
Fd. Broken Plug
Flush in Conc.
Unable to tag

N00°22'12"W
2630.70'

N00°18'12"W 2634.01'

N88°44'56"E
999.12'

MP 58

KM 94

TUCSON

N88°40'42"E 2643.06'

1435
1/256 Cor.
Fd. AHD BC
In HH 12" down

N88°51'25"E
329.53'

1439
W1/16 Cor.
Fd. 2 1/2" GLO BC
on 1" Iron Pipe
12" Down
Stamped "E 1/16 S14
S23 PIR 1915"

I-10

KM 93

SANTA CRUZ

N88°54'19"E
1322.41'

SHEET RS-8

1460
Sec. Cor.
Fd. 2" B.C.
In HH 8" down
Added stamp
"RLS 21782"

See Detail 'C' on Sheet RS-3

MATCH LINE

N00°06'54"W 2628.78'

N00°07'34"W 2626.67'

N00°57'23"W 2640.07'

N00°57'16"W 2640.12'

1461
1/4 Cor.
Fd. 3" B.C. 4" down,
Stamped "T15S R13E
1/4 COR S15 S14 1998
LS 12213"

1441
Sec. Cor.
Fd. 1 1/2" A.C.
on 5/8" rebar
6" up
Stamped "RLS 39333
15 14 22 23 MMLA"

SHEET RS-7

See Detail 'C'

2604
1/4 Cor.
Fd. 1 1/2" A.C.
on 5/8" rebar
18" down
Stamped "RLS 39333
1/4 S22 S23 MMLA"

KM 92

T.15S. R.13E.

PIMA COUNTY

2602
1/256 Cor.
Fd. 2 1/2" GLO B.C.
on 1" Iron Pipe
Stamped "1/256 S23 1915"
(bent to east; shot at POE)

O'ODHAM

MP 57

SAN XAVIER ROAD

N88°54'52"E
1648.45'

N89°04'27"E
988.49'

RIVER

2624
1/256 Cor.
Fd. 2 1/2" GLO B.C.
on 1" Iron Pipe 24" up
Stamped "1/256 S23 S26 1915"
(leaning to south; shot at base of pipe)

2616
1/64 Cor.
Fd. 2 1/2" GLO B.C.
on 1" Iron Pipe 3" up
Stamped "1/64 S26 1915"

N89°08'41"E
661.32'

See Detail 'D'

N00°34'37"E 1650.56'

2609
1/256 Cor.
Fd. GLO Concrete filled
1" Iron Pipe 3" Down
(bent to north, shot at POE)

N00°40'58"E
993.09'

2610
1/4 Cor.
Fd. 2 1/2" GLO B.C.
on 1" Iron Pipe 8" down
Stamped "1/4 S27 S26 1915"

RESERVATION

7055
Sec. Cor.
SFNF
Re-established at proportionate distance and on line between reference monuments (Pts. 1534 and 2622 set per unrecorded Farm Allotment Survey by MMLA, Project No. 03076-01, Dated 1-22-04.

SHEET RS-6

RANCHO DE MARTINEZ

1947
Fd. 1/2" Rebar
Bent to NE
No tag or cap

1463

1949
Fd. 1-1/2" A.C. on
5/8" Rebar Stamped
"CITY OF TUCSON R.P."
2" up

N41°56'10"E 81.99'

N22°24'04"W 80.41'

S22°24'00"E 30.17'

S41°48'06"W 38.15'

1951
Fd. 1/2" Rebar
Bent to SW
No tag or cap

1950
Fd. 5/8" Rebar
2" up
No tag or cap

DETAIL 'B'
Reference monuments per Record of Survey Bk 35, Pg 20.

1954
Fd. 3/4" Iron Bar
3" down
Not Accepted

N10°26'27"E 3.05'

S54°57'44"E 3.16'

S06°39'46"W 1.96'

1440
Fd. 1/2" Rebar
No tag or cap
3" up
Not Accepted

*1785

1953
Fd. 1-1/2" ACP
Illegible 5" down
Not Accepted

DETAIL 'A'

2605
Fd. 1 1/2" A.C.
on 5/8" rebar flush
Stamped "RM RLS
39333 MMLA"

N42°30'59"W
273.82'

S42°30'19"E
815.84'

2606
Fd. 5/8" rebar
No tag or cap
8" down

2604

DETAIL 'C'

2622
Fd. 1 1/2" A.C.
on 5/8" rebar flush
Stamped "RM RLS
39333 MMLA"

N33°31'17"E 560.55'

N11°49'11"W 0.80'

7055

S33°31'17"W 140.35'

2608*
Fd. 3" A.C. on 5/8"
rebar 12" down
Stamped "T15S R13E
S22 S23 S27 S26
15573 2008"
Not Accepted

1534
Fd. 1 1/2" A.C.
on 5/8" rebar flush
Stamped "RM RLS
39333 MMLA"

DETAIL 'D'

* Four monuments were found in the area of the S1/4 corner of Section 14. Based on found recorded and unrecorded surveys and plats, three of the monuments have been accepted as the 1/4 corner.
A 3/4" Iron Bar in Concrete (Pt 1785) has been accepted as the corner for this survey. This monument is noted on an unrecorded survey (00-134) dated 1958 and whose position agrees with the GLO Capped Pipe shown on an unrecorded survey (00-599) dated 1946. ADOT R/W Plans I-19-1(4)58 and I-19-1(8)49, dated 1960 and 1962 respectively, and Record of Survey 24-53, dated 2001, accepted this monument as the corner.
An unrecorded survey (00-35) dated 1967 notes the GLO post was found out of the ground at a fence corner and this position was accepted. City of Tucson survey field notes (Book 1187, pages 66-67) dated 1971 note accepting this position. They found the GLO post out of the ground tied to a fence corner and set a 5/8" A.C.P. (position of Pt 1440). It appears that all surveys and plats, dated 1971 to present, located in the SE1/4 of Section 14 are based on this position.
An unrecorded survey (00-16) dated 1970, located in the SW1/4 of Section 14, appears to have accepted the 3/4" Iron Bar (Pt 1954) as the corner.

* Pt. 2608 was set per ADOT Results of Survey Project 019 PM 049 H7449 01R in 2008. The corner location is in loose sandy soil in the Santa Cruz river bottom. It appears the found monument has shifted downstream 0.8' since being set in 2008 and has not been accepted as the corner for this survey.

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument

0 300 600
Scale

019rw057_rs04.dgn

Click here for I 10 Index

SECTIONAL CONTROL & KEY MAP LAYOUT

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelson@hubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R

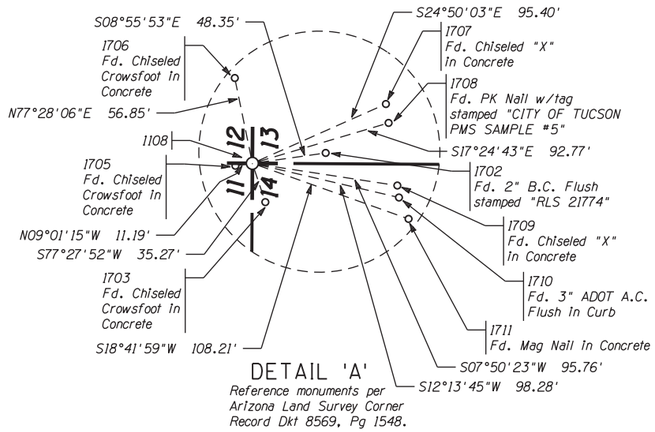
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

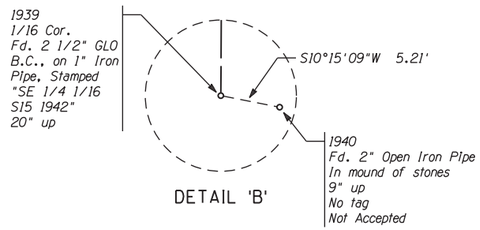
Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:42:53 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

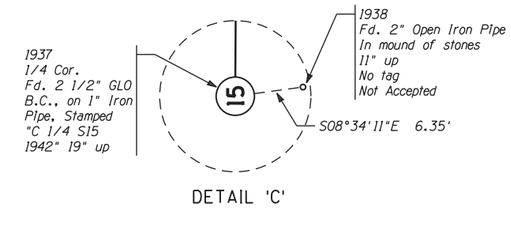
SHEET RS-4

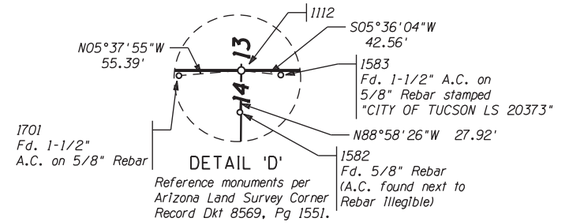
RESULTS OF SURVEY

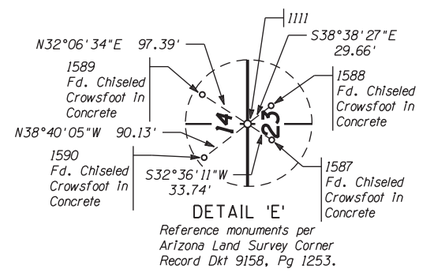
Click here for I 10 Index

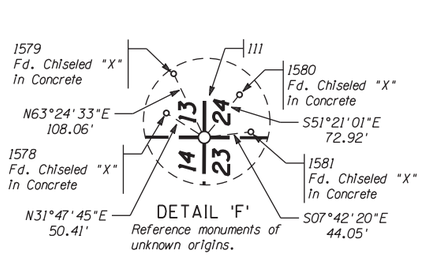


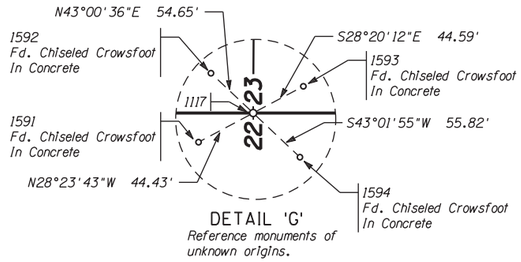


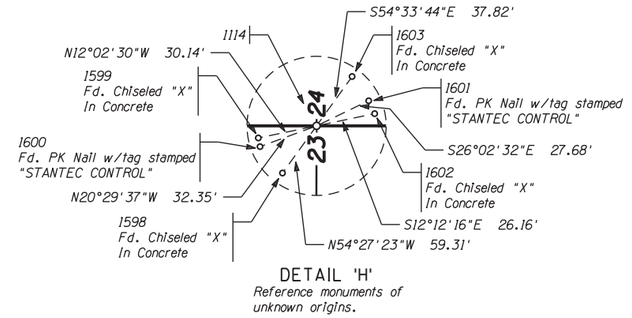


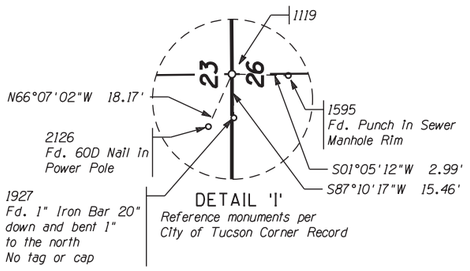


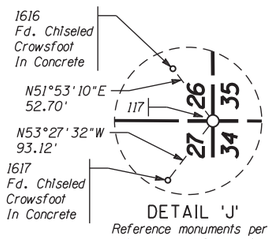


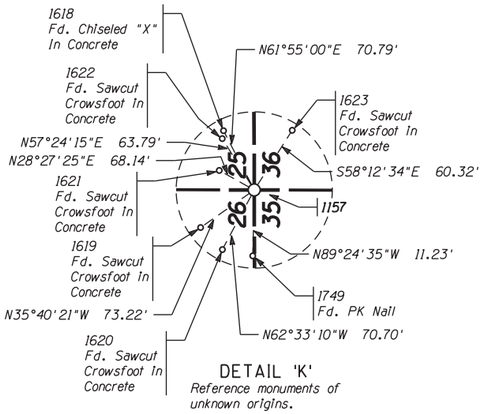


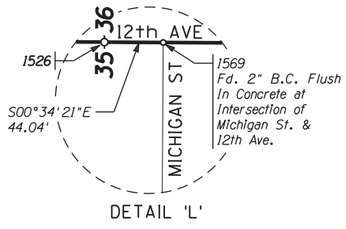


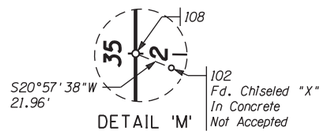


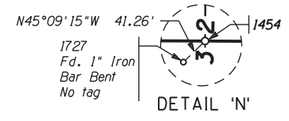


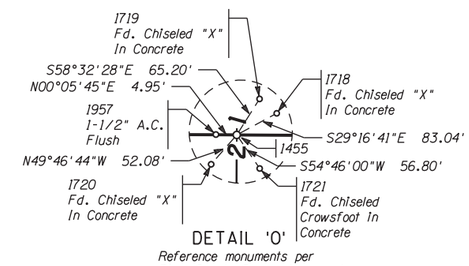


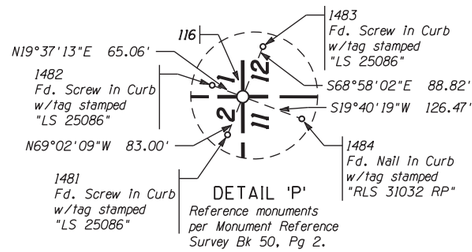












LEGEND

302 Set Monument

300 Found Monument

301 Calculated position

Existing ADOT R/W monument

N.T.S.

019rw057_rs05.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ROUTE NO.: I-19

LOCATION: SAN XAVIER RD - JCT I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

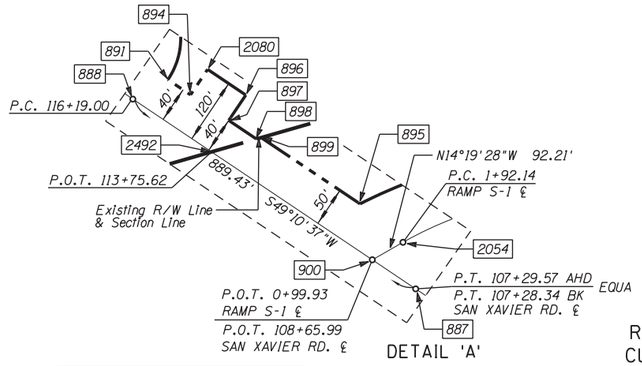
FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

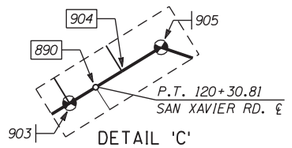
SHEET RS-5

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:43:18 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY



DETAIL 'A'



DETAIL 'C'

1	N56°36'39"W 263.67'
2	N26°49'09"W 402.35'
3	S42°11'22"W 838.14'

BASIS OF STATIONING

SAN XAVIER RD. ℄ STATIONING FROM P.T. 107+29.57 AHD TO P.T. 120+30.81 IS BASED ON P.T. 120+30.81 AT ADOT MONUMENT (PT. 903) AS SHOWN ON ADOT R/W PLANS I-19-1(8)49

BASIS OF STATIONING

RAMP S-4 ℄ STATIONING FROM P.C. 3+01.46 TO P.O.T. 15+30.74 IS BASED ON P.C. 9+50.58 AT ADOT MONUMENT (PT. 1557) AS SHOWN ON ADOT R/W PLANS ER-19-1(97)

TOHONO

(C-1)
RAMP S-4 ℄
CURVE DATA
PI 6+39.13 ← 2057
Δ=38°56'51" LT
D=6°00'00"
T=337.67'
L=649.12'
R=954.93' ← 928

7055
Sec. Cor.
SFNF
Re-established at proportinate distance and on line between reference monuments (Pts. 1534 and 2622) set per unrecorded Farm Allotment Survey by MMLA, Project No. 03076-01, Dated 1-22-04.

(C-2)
RAMP S-4 ℄
CURVE DATA
PI 11+10.29 ← 2058
Δ=18°59'22" LT
D=6°00'00"
T=159.71'
L=316.49'
R=954.93' ← 928

(C-7)
SAN XAVIER RD. ℄
CURVE DATA
PI 118+28.15 ← 2081
Δ=24°42'30" RT
D=6°00'00"
T=209.15'
L=411.81'
R=954.93' ← 889

KM 92

(C-3)
RAMP S-1 ℄
CURVE DATA
PI 4+68.74 ← 2053
Δ=32°18'27" RT
D=6°00'00"
T=276.60'
L=538.46'
R=954.93' ← 941

SANTA CRUZ RIVER → RESERVATION

See Detail 'E' on Sheet RS-4

BASIS OF STATIONING

RAMP S-1 ℄ STATIONING FROM P.O.T. 0+99.93 TO P.O.T. 22+30.62 IS BASED ON P.T. 7+30.60 AT ADOT MONUMENT (PT. 1515) AS SHOWN ON ADOT R/W PLANS I-19-1(8)49

PIMA COUNTY

T.15S. R.13E.

SHEET RS-7

15 14 22 23

N00°57'23"W 2640.07'

2604
1/4 Cor.
Fd. 1 1/2" A.C.
on 5/8" rebar
18" down
Stamped "RLS 39333 1/4 S22 S23 MMLA"

1441
Sec. Cor.
Fd. 1 1/2" A.C.
on 5/8" rebar
6" up
Stamped "RLS 39333 15 14 22 23 MMLA"

951.93'

EXIST DRAIN ESMT

RANCHO DE MARTINEZ

See Detail 'C'
See Detail 'D' on Sheet RS-4
See Detail 'A'
See Detail 'B'

P.O.T. 15+30.75
RAMP S-4 ℄
P.O.C. 118+12.62
L.T.B. S60°47'39"W
SAN XAVIER RD. ℄
RP 2164
RP 933
7076
P.T. 12+67.08
P.O.C. 11+08.71
271.25'
San Xavier Rd. ℄
N00°57'16"W 2640.12'
P.T. 22+30.62
RAMP S-1 ℄
66.00' LT
P.O.C. 3034+86.95
2011 SURVEY ℄
N17°58'59"E 1500.02'
Ramp S-1 ℄
P.O.C. 3035+09.20
P.T. 7+30.60
P.O.C. 3015+67.96
L.T.B. N07°43'34"W
2011 SURVEY ℄
P.O.C. 106+41.61
L.T.B. S48°18'35"W
SAN XAVIER RD. ℄
75'
200'
150'
MATCH LINE

2609
1/256 Cor.
Fd. GLO Concrete filled
1" Iron Pipe 3" Down
(bent to north, shot at POE)

2610
1/4 Cor.
Fd. 2 1/2" GLO B.C.
on 1" Iron Pipe 8" down
Stamped "1/4 S27 S26 1915"

N00°40'58"E 993.09'

P.C. 3+01.46
L.T.B. N01°19'34"E
RAMP S-4 ℄=
92.88' LT
P.O.C. 2998+42.26
2011 SURVEY ℄

N00°34'37"E
1650.56'
35'
463.58'
P.C.C. 9+50.58
Not Part of Current Ex. R/W
Ramp S-4 ℄
P.O.C. 3008+19.70
Ramp S-2 ℄
P.C. 5+01.69
N88°54'52"E 1648.45'

* 2011 SURVEY ℄
I-19

N89°08'41"E 416.76'
N01°04'24"W 5099.35'
150'
150'

EXIST DRAIN ESMT

EXIST DRAIN ESMT

2624
1/256 Cor.
Fd. 2 1/2" GLO B.C.
on 1" Iron Pipe 24" up
Stamped "1/256 S23 S26 1915"
(leaning to south; shot at base of pipe)

N89°04'27"E
988.49'

O'ODHAM

2602
1/256 Cor.
Fd. 2 1/2" GLO B.C.
on 1" Iron Pipe
Stamped "1/256 S23 1915"
(bent to east; shot at POE)

P.T. 11+45.36
RAMP S-2 ℄
93.34' RT
P.O.C. 3032+83.59
2011 SURVEY ℄

P.C. 100+29.57
P.O.T. 00+99.34
RAMP S-2 ℄
P.O.T. 96+91.17
SAN XAVIER RD. ℄
P.T. 91+91.43

2661.32'
P.O.T. 2981+68.03
P.O.T. 2935+32.04
2616
1/64 Cor.
Fd. 2 1/2" GLO B.C.
on 1" Iron Pipe 3" up
Stamped "1/64 S26 1915"
P.O.T. 2986+31.39 BK
P.O.T. 2986+35.40 AHD
EQUA. P.C. 2986+35.40

(C01)
2011 SURVEY ℄
CURVE DATA
PI 3014+97.75 ← 959
Δ=17°03'01" RT
D=00°18'00"
T=2862.35'
L=5682.40'
R=19095.08' ← 553

(C-6)
SAN XAVIER RD. ℄
CURVE DATA
PI 103+79.39 ← 2082
Δ=6°59'16" RT
D=1°00'00"
T=349.82'
L=698.77'
R=5729.58' ← 886

(C-5)
SAN XAVIER RD ℄
CURVE DATA
PI 85+97.08 ← 2216
Δ=37°00'13" LT
D=3°00'00"
T=639.10'
L=1233.45'
R=1909.86' ← 2212

(C-4)
RAMP S-2 ℄
CURVE DATA
PI 8+36.29 ← 2059
Δ=38°37'12" RT
D=6°00'00"
T=334.60'
L=643.67'
R=954.93' ← 932

P.O.C. 79+57.98

0 100 200
Scale

Ø19rw057_rs06.dgn

BASIS OF STATIONING

SAN XAVIER RD. ℄ STATIONING FROM P.O.C. 79+57.98 TO P.T. 107+28.34 BK IS BASED ON P.C. 100+29.57 AT ADOT MONUMENT (PT. 1549) AS SHOWN ON ADOT R/W PLANS I-19-1(8)49

BASIS OF STATIONING

RAMP S-2 ℄ STATIONING FROM P.O.T. 0+99.34 TO P.T. 11+45.36 IS BASED ON P.C. 5+01.69 AT ADOT MONUMENT (PT. 934) AS SHOWN ON ADOT R/W PLANS I-19-1(8)49

SEE ADOT R/W PROJECT 019 PM 049 H7449 01R SHEETS RS-10 & RS-11 FOR ADDITIONAL SURVEY INFORMATION IN THIS AREA

Click here for I 10 Index

BASIS OF STATIONING

2011 SURVEY ℄ STATIONING FROM P.O.T. 2935+32.04 TO P.O.T. 2986+31.39 BK IS BASED ON P.O.T. 2632+10.44 AT THE EXISTING R/W CENTERLINE INTERSECTION WITH THE COMMON LINE OF SECTIONS 26 & 35, T16S, R13E AS SHOWN ON ADOT R/W PROJECTS I-19-1(8)49 & 019 PM 049 H7449 01R

BASIS OF STATIONING

2011 SURVEY ℄ STATIONING FROM P.C. 2986+35.40 AHD TO P.O.C. 3098+59.97 BK IS BASED ON P.O.C. 3016+31.31 AT ADOT R/W MONUMENT (PT. 1550) AS SHOWN ON ADOT R/W PLANS I-19-1(8)49

* THE CENTERLINE LABELED 2011 SURVEY ℄' IS DESIGNATED AS "SURVEY ℄" ON ADOT R/W PLANS I-19-1 (8)49.

LEGEND

- 302 Set Monument
- 300 Found Monument
- 23 Point numbers as shown on ADOT R/W Project 019 PM 049 H7499 01R Results of Survey
- 301 Calculated position
- Existing ADOT R/W monument

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker
	HUBBARD ENGINEERING 480-892-3313 Mesa, AZ snelson@hubbardengineering.com Job # 10210
ROUTE NO.:	I-19
LOCATION:	SAN XAVIER RD - JCT I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

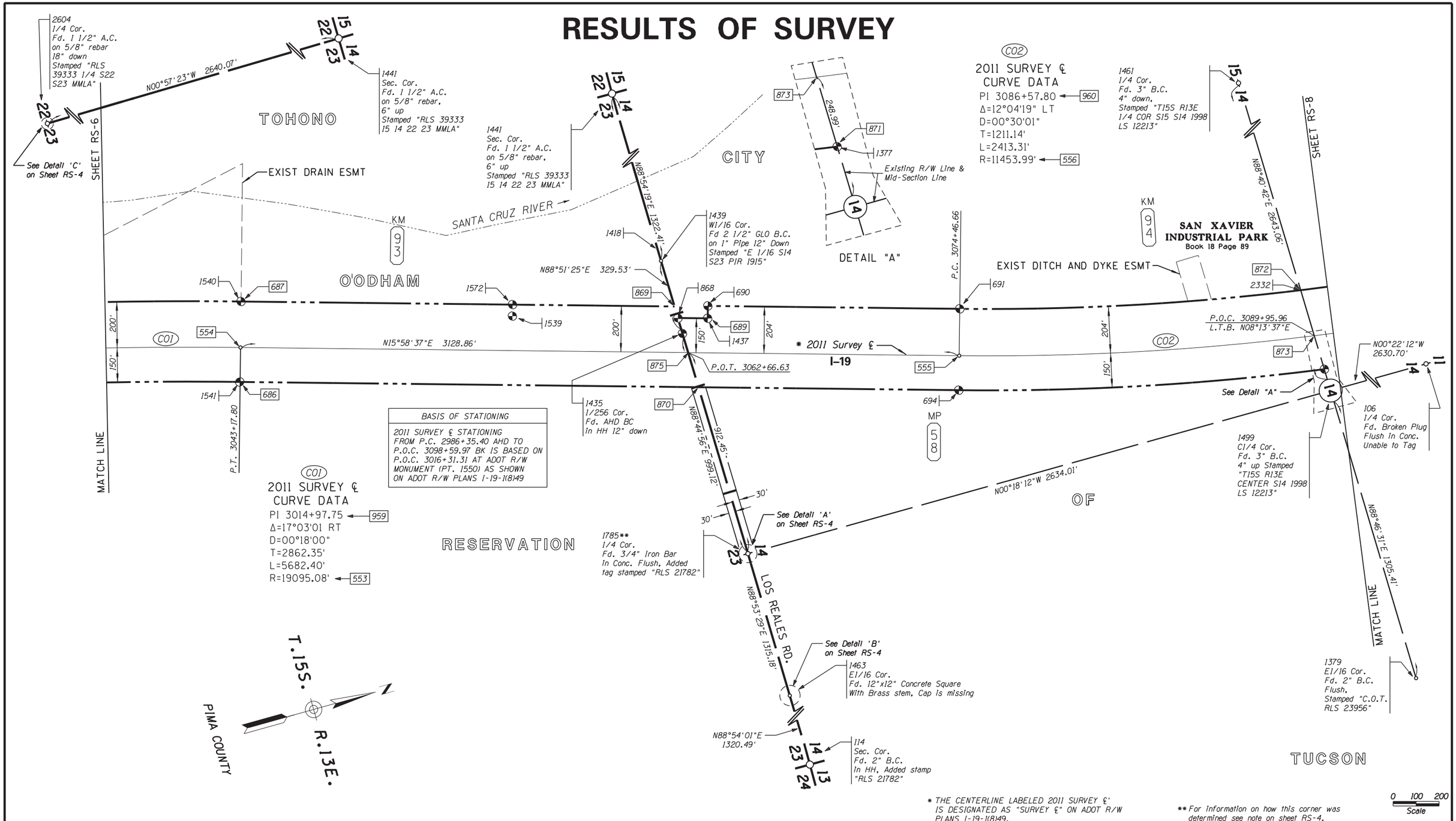
FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

SHEET RS-6

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:43:36 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY



* THE CENTERLINE LABELED 2011 SURVEY ℄' IS DESIGNATED AS "SURVEY ℄" ON ADOT R/W PLANS I-19-1(8)49.

** For information on how this corner was determined see note on sheet RS-4.

0 100 200
Scale

019rw057_rs07.dgn

LEGEND

302 Set Monument

300 Found Monument

301 Calculated position

Existing ADOT R/W monument

Click here for I 10 Index

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19

LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:43:54 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-7

Click here for I 10 Index

RESULTS OF SURVEY

DETAIL 'A'

DETAIL 'B'

DETAIL 'C'

CITY

SHEET RS-7

SHEET RS-9

MATCH LINE

MATCH LINE 'A' SEE RIGHT

MATCH LINE 'A' SEE LEFT

MATCH LINE 'B' SEE LEFT

MATCH LINE 'B' SEE RIGHT

SAN XAVIER INDUSTRIAL PARK
Book 18 Page 89

MISSION MANOR NO.3
Book 9 Page 118

MISSION MANOR
Book 9 Page 84

KING WHEELER CENTER
Book 20 Page 90

SANTA CRUZ INDUSTRIAL PARK
Book 24 Page 15

MISSION MANOR NO. 5
Book 9 Page 119

PARQUE DE SANTA CRUZ
Book 32 Page 38

MISSION MANOR NO. 6
Book 10 Page 2

MISSION MANOR NO. 2
Book 9 Page 89

MISSION MANOR NO. 4
Book 9 Page 97

VALENCIA ROAD
N88°37'54"E 2631.39'

VALENCIA ROAD
N88°52'12"E 2588.60'

VALENCIA ROAD
N88°46'31"E 1305.41'

VALENCIA ROAD
N88°49'44"E 2618.94'

VALENCIA ROAD
N88°46'43"E 1319.94'

Frontage Road (F-1) R/W Line

Valencia Rd ℄
N87°42'01"E 599.25'

Calle Santa Cruz

Santa Clara

Pacheco Ave

12th Ave

TUCSON

I-19

P.C. 4+66.62 F-1 R/W LINE

P.T. 6+99.94 F-1 R/W LINE

P.C. 12+34.96 F-1 R/W LINE

P.C.C. 17+65.72 F-1 R/W LINE

P.C. 25+33.17

P.T. 24+92.03

P.T. 30+73.32

P.T. 3108+53.17

P.O.T. 3116+42.77

P.O.T. 3116+93.49

P.O.T. 32+80.98 Valencia Rd ℄

P.C. 34+60.35

P.T. 40+58.31

P.C. 41+01.09

P.T. 46+64.09

P.O.T. 3126+39.22 BK

P.O.T. 3126+32.90 AHD

P.C. 54+07.84

P.O.T. 11+00.00

P.O.T. 11+59.68

P.C. 16+99.25

P.T. 18+57.88

P.C. 19+15.84

P.T. 56+61.17

P.C. 56+79.81

P.T. 59+33.00

P.O.T. 60+01.09

P.O.T. 3142+77.13

2011 SURVEY ℄ CURVE DATA

PI 3086+57.80 ← 960
Δ=12°04'19" LT
D=00°30'01"
T=1211.14'
L=2413.31'
R=11453.99' ← 556

2011 SURVEY ℄ CURVE DATA

PI 3103+60.75 ← 961
Δ=04°55'46" LT
D=00°30'01"
T=493.03'
L=985.45'
R=11453.99' ← 556

VALENCIA RD ℄ CURVE DATA

PI 17+78.57 ← 2026
Δ=01°11'23" RT
D=00°45'00"
T=79.32'
L=158.63'
R=7639.44' ← 769

VALENCIA RD ℄ CURVE DATA

PI 22+04.07 ← 2027
Δ=04°19'17" LT
D=00°45'00"
T=288.23'
L=576.19'
R=7639.44' ← 771

VALENCIA RD ℄ CURVE DATA

PI 28+03.36 ← 2028
Δ=04°03'04" RT
D=00°45'00"
T=270.19'
L=540.15'
R=7639.44' ← 774

VALENCIA RD ℄ CURVE DATA

PI 37+59.48 ← 2029
Δ=04°29'05" RT
D=00°45'00"
T=299.13'
L=597.96'
R=7639.44' ← 777

VALENCIA RD ℄ CURVE DATA

PI 43+82.72 ← 2030
Δ=04°13'21" LT
D=00°45'00"
T=281.63'
L=563.00'
R=7639.44' ← 780

F-1 R/W LINE CURVE DATA

PI 5+93.76 ← 2221
Δ=56°31'47" RT
D=24°13'43"
T=127.14'
L=233.32'
R=236.48 ← 801

F-1 R/W LINE CURVE DATA

PI 15+06.86 ← 2220
Δ=30°39'49" RT
D=5°46'38"
T=271.90'
L=530.76'
R=991.74' ← 802

F-1 R/W LINE CURVE DATA

PI 20+31.97 ← 2219
Δ=08°04'48" RT
D=1°31'12"
T=266.25'
L=531.62'
R=3769.72' ← 810

VALENCIA RD ℄ CURVE DATA

PI 55+34.52 ← 2031
Δ=01°54'00" LT
D=00°45'00"
T=126.68'
L=253.33
R=7639.44' ← 783

VALENCIA RD ℄ CURVE DATA

PI 58+06.41 ← 2032
Δ=01°53'56" RT
D=00°45'00"
T=126.60'
L=253.19
R=7639.44' ← 786

BASIS OF STATIONING

F-1 R/W LINE STATIONING FROM P.C. 4+66.62 TO P.O.C. 22+97.34 BK IS BASED ON P.O.C. 22+97.34 AT ADOT R/W MONUMENT (PT. 791) AS SHOWN ON ADOT R/W PLANS I-19-1(4)58

BASIS OF STATIONING

2011 SURVEY ℄ STATIONING FROM P.C. 3098+67.72 AHD TO P.O.T. 3126+39.22 BK IS BASED ON P.O.T. 3118+48.41 AT ADOT R/W MONUMENT (PT. 705) AS SHOWN ON ADOT R/W PLANS I-19-1-800

BASIS OF STATIONING

VALENCIA ROAD ℄ STATIONING FROM P.O.T. 11+00.00 TO P.O.T. 60+01.09 IS BASED ON P.O.C. 22+96.00 AT ADOT R/W MONUMENT (PT. 812) AS SHOWN ON ADOT R/W PLANS I-19-1-800

BASIS OF STATIONING

2011 SURVEY ℄ STATIONING FROM P.O.T. 3126+32.90 AHD TO P.O.T. 3283+93.01 BK IS BASED ON P.O.C 3223+34.94 AT SECTION LINE TIE (PT. 882) AS SHOWN ON ADOT R/W PLANS I-19-1(4)58.

BASIS OF STATIONING

2011 SURVEY ℄ STATIONING FROM P.C. 2986+35.40 AHD TO P.O.C. 3098+59.97 BK IS BASED ON P.O.C. 3016+31.31 AT ADOT R/W MONUMENT (PT. 1550) AS SHOWN ON ADOT R/W PLANS I-19-1(8)49

1 N88°53'24"E 57.96'
2 N84°34'07"E 41.14'

1499 C1/4 Cor. Fd. 3" B.C. 4" up, Stamped "T15S R13E CENTER S14 1998 LS 12213"

1478 1/4 Cor. Fd. 2" B.C. Flush, Added Stamp "RLS 21782"

1379 E1/16 Cor. Fd. 2" B.C. Flush Stamped "C.O.T. RLS 23956"

115 Sec. Cor. Fd. 2" B.C. In HH 6" Down Stamped "PE 1322"

1460 Sec. Cor. Fd. 2" B.C. In HH 8" Down Added stamp "RLS 21782"

1502 1/4 Cor. Fd. 3-1/2" A.C. In Concrete 42" Down Stamped "1/4 PE 5955 T15S R13E"

1459 E1/16 Cor. Fd. 1-1/2" A.C. Flush at Intersection of Santa Clara & Santa Rosa Stamped "CITY OF TUCSON"

1444

1458 1/4 Cor. Fd. 2" B.C. In HH 12" down Stamped "RLS 23956 1/4 S11 S12 T15S R13E"

2206** C1/4 Cor. SFNF Set 3" A.C. on 5/8" Rebar Flush, Stamped "T15S R13E C1/4 S11 2012 RLS 21782"

2209** 1/4 Cor. SFNF Set 3" A.C. epoxied In concrete Flush, Stamped "T15S R13E 1/4 S2 S11 2012 RLS 21782"

* THE CENTERLINE LABELED '2011 SURVEY ℄' IS DESIGNATED 'SURVEY ℄' ON ADOT R/W PLANS I-19-1(8)49, 'MEDIAN ℄' ON ADOT R/W PLANS I-19-1(8)58 & 'CONSTR ℄' ON ADOT R/W PLANS I-19-1-800.

** For information on how this corner was determined see note on sheet RS-3.

T.15S. R.13E.

PIMA COUNTY

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument
Control Point

0 100 200 Scale

019rw057_rs08.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10
SHEET RS-8

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:44:15 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY

Click here for I 10 Index

T.15S. R.13E.

PIMA COUNTY

CITY

SHEET RS-8

MATCH LINE

KM 05 LO

KM 97

MP 60

1571
Sec. Cor.
Fd. 3" ADOT B.C.
In Concrete 42" down
Stamped "S3 S2 S10
S11 1998 LS 12213"

1503

721 — 75' — 3225

720 — 75'

N88°03'47"E 2606.97'

VARIES — 3226

719 — 2326

718 — 2327

RP 3227

3228 — 2324 — 3197 — 2328 — 3196 — 716

3229

85'

See Detail 'B' on Sheet RS-3

PARQUE DE SANTA CRUZ
Book 32 Page 38

150'

VARIES

N01°01'28"W 4490.94'

* 2011 Survey ℄

I-19

P.O.T. 3169+58.77

2033

P.C. 3171+23.84

1828 — 130.04' — 2325 — 558

OF

1500

1335

N01°02'00"W 2683.38'

Existing R/W Line & Mid-Section Line

2400

2399

RP 2398

2397

3198

85'

761

3199

DREXEL ROAD

75' 75'

N87°59'04"E 1346.59'

2209 **
1/4 Cor.
SFNF
Set 3" A.C. epoxied
In concrete Flush,
Stamped "T15S R13E
1/4 S2 S11 2012
RLS 21782"
See Detail 'A' on
Sheet RS-3

RESUBDIVISION NO.2 OF DREXEL TERRACE NO.2
LOTS 27 THRU 38
Book 21 Page 90

724

725

RESUBDIVISION NO.1 OF DREXEL TERRACE NO.2
Book 21 Page 39

2396

1829

1830

728

1445
E1/16 Cor.
Fd. 2" B.C.
Flush at Intersection
Of Santa Clara &
Drexel Rd. Stamped
"RLS 25086"

1446

1685 — N87°59'04"E 1346.50'

116
Sec. Cor.
Fd. 2" B.C. Flush
Stamped "RLS 25086"

See Detail 'P' on Sheet RS-5

2206**
C1/4 Cor.
SFNF
Set 3" A.C. on
5/8" Rebar Flush,
Stamped "T15S R13E
C1/4 S11 2012 RLS 21782"

MISSION MANOR NO.6
Book 10 Page 2

MISSION MANOR NO.7
Book 10 Page 20

NOTE:
NO EXISTING R/W REPORT WAS PROVIDED FOR DREXEL RD. THE EXISTING R/W SHOWN FOR DREXEL RD. IS PER ADOT R/W PLAN I-19-1(4)58 AND MISSION MANOR #7, BK. 10 PG. 20, RESUBDIVISION NO. 2 OF DREXEL TERRACE NO. 2 LOTS 27 THRU 38, BK. 21 PAGE 90 AND RESUBDIVISION NO. 1 OF DREXEL TERRACE NO. 2, BK. 21 PG. 39, PIMA COUNTY RECORDER.

** For Information on how this corner was determined see note on sheet RS-3.

REVISIONS
DATED 9/29/14
FOR MICHAEL
BAKER JR., INC.
Professional Land
Surveyor AZ No. 21782
Digitally signed by
Scott A. Nelson
Date: 2015.06.22
17:39:49 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

LEGEND

302 Set Monument
300 Found Monument
SFNF Searched For Not Found
301 Calculated position
Existing ADOT R/W monument

P.O.T. 3196+44.17

571

N88°21'33"E 44.86'

2

2003

DETAIL 'A'

See Detail 'N' on Sheet RS-5

1454
1/4 Cor.
Fd. 1/2" Rebar
12" down
Added tag stamped
"RLS 21782"

N88°21'33"E 2627.62'

2582.72'

WESTPOINT CROSSING
LOTS 1 THRU 10
Book 53 Page 80

P.T. 3193+29.40

879

766

1845

765

AIRPORT WASH

764

2105.67'

SHEET RS-10

883

1846

560

1848

1847

TUCSON SPECTRUM
Book 63 Page 54

C04

See Detail 'A'

881

N04°29'22"E 1791.26'

N00°02'43"E 2681.29'

P.O.T. 3202+22.85

150'

VARIES

35

N00°04'07"E 2679.43'

RP 762

DREXEL TERRACE NO.2
LOTS 1 THRU 107
Book 19 Page 96

1369

DREXEL TERRACE NO.1
LOTS 232 THRU 504
Book 14 Page 62

DRAINAGEWAY

2329

DREXEL TERRACE NO.1
Book 14 Page 30

108
1/4 Cor.
Fd. Chiseled "X"
In Concrete

See Detail 'M' on Sheet RS-5

880
Set Witness Corner
5/8" Rebar with Cap
stamped "WC 185.00'
West C1/4 S2
T.15S. R.13E.
RLS 21782"

MATCH LINE

NEBRASKA STREET

2483.27'

N88°47'51"E 2668.27'

2003**
C1/4
SFNF
Falls In northbound
travel lane of Interstate 19

TUCSON

1455
1/4 Cor.
Fd. 1/2" Rebar
In HH 16" down
Added cap stamped
"RLS 21782"

See Detail 'O' on Sheet RS-5

C04
2011 SURVEY ℄
CURVE DATA
PI 3182+27.47 — 962
Δ=05°30'50" RT
D=00°15'00"
T=1103.63'
L=2205.56'
R=22918.31' — 559

* THE CENTERLINE LABELED '2011 SURVEY ℄' IS DESIGNATED 'MEDIAN ℄' ON ADOT R/W PLANS I-19-1(4)58

BASIS OF STATIONING

2011 SURVEY ℄ STATIONING FROM P.O.T. 3126+32.90 AHD TO P.O.T. 3283+93.01 BK IS BASED ON P.O.C 3223+34.94 AT SECTION LINE TIE (PT. 882) AS SHOWN ON ADOT R/W PLANS I-19-1(4)58.

0 100 200
Scale

019rw057_rs09.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9-29-14	SAN	SET WITNESS CORNER FOR CENTER
			SECTION 2 AT PT 880; ADD DIMENSION
			FROM E 1/4 CORNER SEC. 2 TO PT
			880.

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker
HUBBARD ENGINEERING	480-892-3313 Mesa, AZ snelsonehubbardengineering.com Job # 10210
ROUTE NO.:	I-19
LOCATION:	SAN XAVIER RD - JCT I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

ORIGINALLY SEALED BY SCOTT A. NELSON R.L.S. NO. 21782 1/30/14 FOR HUBBARD ENGINEERING

SHEET RS-9

H:\PDATA\40212_H8467 Ajo Way TI\CADD\Mapping\Hubbard ROS\019rw057_rs09.dgn 6/22/2015 5:27:42 PM

RESULTS OF SURVEY

Click here for I 10 Index

CITY

DETAIL 'B'

WESTPOINT CROSSING
LOTS 1 THRU 10
Book 53 Page 80

2003 *
C1/4 Cor.
SFNF
Land In nothbound
travel lane of Interstate 19

SHEET RS-9

1453
Sec. Cor.
Fd. 2" C.O.T. B.C. In HH.
12" down, Stamped "34 35 3 2
RLS 20373"

See Detail 'B'

See Detail 'M' on Sheet RS-5

N89°10'49"E 2650.10'

N00°02'43"E 2681.29'

N04°29'22"E 1791.26'

P.C. 3211+20.66

P.O.C. 3223+34.94
L.T.B. N01°27'04"E

108
1/4 Cor.
Fd. Chiseled "X"
In Concrete

IRVINGTON ROAD

N89°10'30"E 2645.00'

NATIONAL CITY NO.9
Book 8 Page 85

NATIONAL CITY NO.8
Book 8 Page 47

17TH AVE

60' 60'

PLACITA DEL RIO, LOTS 1-3
Book 43 Page 84

PLACITA DEL RIO, LOTS 4&5
Book 61 Page 73

PARQUE DE SANTA CRUZ
BLOCKS 1 & 2
Book 29 Page 48

754
S1/16 Cor.
SFNF
Position established at
Intersection of north-south
mid-section line & a line
projected from Pt. 2363
through Pt. 1309

Existing R/W Line &
Mid-Section Line

P.O.T. 3236+62.73

P.T. 3231+28.44

131.54'

1327.82'

145.30' VARIES

145.32' VARIES

* 2011 Survey ℄
I-19

P.O.T. 3249+89.67

N00°32'06"W 2655.02'
1327.20'

1567
1/4 Cor.
Fd. 3" A.C. flush
Stamped "T14S R13E
1/4 S34 S35 2009
RLS 37172"

3194
W1/16 Cor.
SFNF
Position established on line
and at midpoint between
Pts. 1567 and 2310

N89°31'25"E 2642.20'
1321.10'

Existing R/W Line &
Mid-Section Line

DETAIL 'A'

LAMAR CITY ACRES
Book 8 Page 33

See Detail 'A'

N00°31'45"W 2661.27'

N00°32'03"W 5264.57'

199.94'

125'

117.37'

MICHIGAN ST

MICHIGAN MANOR
Book 14 Page 20

N89°16'38"E 1321.63'

N89°22'44"E 2641.71'

2310
C1/4 Cor.
Fd. 1-1/2" Capped Pipe
In Conc. 4" up
Stamped "CEN OF SEC
1/4 CITY"

1307
1/4 Cor.
Fd. 1/2"
Rebar
2" up
Added tag
Stamped
"RLS
21782"

SHEET RS-11

MATCH LINE

MATCH LINE

PIMA COUNTY

TUCSON

T.14S. R.13E.
T.15S. R.13E.

1570
Fd. 2" B.C. In HH
12" Down
Added stamp
"RLS 21782"

1526
Fd. 2" B.C. In HH
12" down
Added stamp
"RLS 21782"

See Detail 'L' on Sheet RS-5

C05
2011 SURVEY ℄
CURVE DATA
PI 3221+25.19 ← 963
Δ=05°01'25" LT
D=00°15'01"
T=1004.53'
L=2007.78'
R=22899.58' ← 562

BASIS OF STATIONING

2011 SURVEY ℄ STATIONING FROM P.O.T. 3126+32.90 AHD TO P.O.T. 3283+93.01 BK IS BASED ON P.O.C 3223+34.94 AT SECTION LINE TIE (PT. 882) AS SHOWN ON ADOT R/W PLANS I-19-I(4)58.

* THE CENTERLINE LABELED '2011 SURVEY ℄' IS DESIGNATED 'MEDIAN ℄' ON ADOT R/W PLAN PLANS I-19-I(4)58 AND 'AS BLT MEDIAN ℄' ON ADOT R/W PLANS IR-19-I(88).

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument
Control Point

0 100 200
Scale

019rw057_rs10.dgn

* See note on reestablishment of corner on sheet RS-3

REVISIONS DATED 9/29/14 FOR MICHAEL BAKER JR., INC.
Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson Date: 2015.06.22 17:41:00 -07'00'
(Expires 9-30-15) ELECTRONIC SEAL
http://www.btr.state.az.us/

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9-29-14	SAN	DELETE PT 1315; CHANGE PT 2381 TO FOUND PT.

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

ORIGINALLY SEALED BY SCOTT A. NELSON R.L.S. NO. 21782 1/30/14 FOR HUBBARD ENGINEERING

SHEET RS-10

6/22/2015 5:38:12 PM H:\PDATA\140212.H8467 Ajo Way TI\CADD\Mapping\Hubbard RDS\019-057_rs10.dgn

Click here for I 10 Index

RESULTS OF SURVEY

C-1 F-5 ℄ CURVE DATA
PI 1+23.00 ← 2422
Δ=90°00'00" RT
D=114°35'30"
T=50.00'
L=78.54'
R=50.00' ← 2401

C-2 F-5 ℄ CURVE DATA
PI 4+75.58 ← 2421
Δ=54°34'29" LT
D=20°00'00"
T=147.78'
L=272.88'
R=286.48' ← 2007

C-3 F-5 ℄ CURVE DATA
PI 13+71.59 ← 2420
Δ=25°43'09" LT
D=6°36'05"
T=198.14'
L=389.60'
R=867.93' ← 2010

C02 2011 SURVEY RAMP ℄ CURVE DATA
PI 74+98.31 ← 2052
Δ=03°49'03" LT
D=01°15'00"
T=152.76'
L=305.41'
R=4583.66' ← 638

C06 2011 SURVEY ℄ CURVE DATA
PI 3308+04.11 ← 964
Δ=55°29'20" RT
D=01°15'00"
T=2411.01'
L=4439.10'
R=4583.66' ← 565

C-4 RAMP "M" ℄ CURVE DATA
PI 3+26.66 ← 2461

TOTAL CURVE
Δ=75°58'59" RT
T=372.58'
L=581.50'

MAIN CURVE
PI 3+92.06 ← 2430
Δ=64°43'29" RT
D=15°00'00"
L=431.50'
R=381.97' ← 2426

SPIRAL
a=10
Δ=11°15'30"
L=150.00'
2431 → SPI=150.00'

C-5 RAMP "M" ℄ CURVE DATA
PI 11+56.24 ← 2429
Δ=22°41'17" RT
D=2°00'00"
T=574.74'
L=1134.41'
R=2864.82' ← 2424

BASIS OF STATIONING
F-5 ℄ STATIONING FROM P.O.T. 0+00.00 TO P.O.T. 20+66.01 IS BASED ON P.O.T. 0+00.00 AT THE INTERSECTION OF F-5 ℄ AND THE SOUTH LINE OF SECTION 26 AS SHOWN ON ADOT R/W PLANS I-19-1(4)58

BASIS OF STATIONING
2011 SURVEY RAMP ℄ STATIONING FROM P.O.T. 10+00.00 TO P.T. 76+50.96 IS BASED ON P.O.T 13+70.22 AT MID-SECTION LINE TIE (PT. 2050) AS SHOWN ON ADOT R/W PLANS I-10-4-808

** THE CENTERLINE LABELED '2011 SURVEY RAMP ℄' IS DESIGNATED 'RAMP ES CONTROL ℄" AND I-19 SB ℄' ON ADOT R/W PLANS I-10-4-808

BASIS OF STATIONING
2011 SURVEY ℄ STATIONING FROM P.C. 3283+93.10 AHD TO P.O.T. 3334+48.25 IS BASED ON P.O.C 3315+93.54 AT ADOT R/W MONUMENT (PT. 1747) AS SHOWN ON ADOT R/W PLANS I-19-1(4)58.

BASIS OF STATIONING
RAMP "M" ℄ STATIONING FROM T.S. 0+00.00 TO P.O.C. 17+15.91 IS BASED ON S.C. 1+50.00 AT ADOT R/W MONUMENT (PT. 1286) AS SHOWN ON ADOT R/W PLANS I-19-1(4)58

BASIS OF STATIONING
2011 SURVEY ℄ STATIONING FROM P.O.T. 3126+32.90 AHD TO P.O.T. 3283+93.01 BK IS BASED ON P.O.C 3223+34.94 AT SECTION LINE TIE (PT. 882) AS SHOWN ON ADOT R/W PLANS I-19-1(4)58.

* THE CENTERLINE LABELED '2011 SURVEY ℄' IS DESIGNATED 'MEDIAN ℄' ON ADOT R/W PLANS I-19-1(4)58

BASIS OF STATIONING
AJO WAY EXIST R/W ℄ STATIONING FROM P.O.T. 00+86.57 TO P.O.T. 18+12.15 IS BASED ON P.O.T 12+00.00 AT 2011 SURVEY ℄ - SECTION LINE INTERSECTION (PT. 2038) AS SHOWN ON ADOT R/W PLANS I-19-1(4)58.

*** THE CENTERLINE LABELED 'AJO WAY EXIST R/W ℄' IS DESIGNATED 'AJO WAY ℄' ON ADOT R/W PLANS I-19-1(4)58

LEGEND
302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelson@hubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:45:19 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-11

RESULTS OF SURVEY

T.14S. R.13E.

PIMA COUNTY

HOME ADDITION
The Existing Right of Way of I-10 within the Home Addition is located along lot lines which were reestablished as follows: The centerlines of 30th Street through 35th Street were established by prorating record dimensions along the west line of Section 24 and found monuments along the centerline of 10th Street. The centerline of 11th Avenue was established by prorating record dimensions between 12th Avenue and 10th Avenue.
The blocks were created by holding the record dimensions street widths from the reestablished centerlines. The south line of Blocks 37 through 42 were reestablished by holding record offsets of 30' and 49.64' from the south and west lines of Section 24 to establish the SW corner of Block 37 and holding a found chiseled 'x' at the SE corner of Block 42 (Pt 1752). The lots were established by prorating record dimensions within each block.

It should be noted that a field survey within the existing lots of the Home Addition lying east of I-10 may result in alternate locations of the existing R/W of I-10 based on found monuments not searched for during this survey.

339
1/4 Cor.
Set 3" A.C. on 5/8" Rebar
Flush, Stamped "T14S R13E
1/4 S24 S25 2012 RLS 21782"
Re-established by Modified
Single Proportionate methods
from points 110 & 1152 using
record information as shown on
ADOT R/W project NH-10-4(142)

See Detail 'A' on Sheet RS-2

* THE CENTERLINE LABELED 'EB 2011 SURVEY ℄' AND 'WB 2011 SURVEY ℄' IS DESIGNATED 'E.B. CONSTR. BASELINE' AND 'W.B. CONSTR. BASELINE' ON ADOT R/W PLANS IR-10-5(64).

** THE CENTERLINE LABELED '2011 SURVEY ℄' IS DESIGNATED 'MEDIAN ℄' ON ADOT R/W PLANS I-19-I(4)58.

***** THE CENTERLINE LABELED 'I-10 WB ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAPS E-10-T-268A(1949), C-10-T-264 AND ADOT AS-BUILT U.I. 141(4).

****** THE CENTERLINE LABELED 'I-10 WB 1949 ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAP E-10-T-268A(1949).

BASIS OF STATIONING
2011 SURVEY ℄ STATIONING FROM P.C. 3283+93.10 AHD TO P.O.T. 3334+48.25 IS BASED ON P.O.C 3315+93.54 AT ADOT R/W MONUMENT (PT. 1747) AS SHOWN ON ADOT R/W PLANS I-19-I(4)58.

2210
1/4 Cor.
SFNF
Position calculated
by projecting a line
from Pt. 110 through
Pt. 1577 5.00' south

110
Sec. Cor.
Fd. 2" A.C. Flush
Stamped "ADOT
ROW T14S R13E
S23 S24 S26 S25
LS18222 2008"

1113
N1/16 Cor.
Fd. 5/8" Rebar
6" down
Added tag
Stamped
"RLS 21782"

1114
1/4 Cor.
Fd. 2" B.C. Flush
In concrete, Stamped
"LS 36786"

1115
C1/4 Cor.
Fd. 2" B.C. In
HH, 14" Down
Stamped "COT
1999 T14S R13E
C1/4 S23
RLS 23956"

1119
1/4 Cor.
Fd. 2" A.C.
Flush, stamped
"CITY OF TUCSON
RLS 31032"

HOME ADDITION
Book 4 Page 93

INTERSTATE COMMERCE CENTER
Book 42 Page 75

SUNSET VILLA ADDITION
Book 5 Page 71

BLOCK 26
HOME ADDITION
Book 4 Page 93

DETAIL 'A'
DETAIL 'B'
DETAIL 'C'

SHEET RS-13
SHEET RS-14
SHEET RS-11

CITY OF SOUTH TUCSON
CITY OF TUCSON

36TH ST
29TH ST
12TH AVE
10th Ave ℄
40TH ST
10TH AVE
33RD ST
SILVERLAKE ROAD

I-10
MATCH LINE
EXIST DRAIN ESMT
EXIST INGRESS/EGRESS ESMT
UNION PACIFIC RAILROAD
Tucson Diversion Channel

* WB 2011 Survey ℄
* EB 2011 Survey ℄
** 2011 Survey ℄
*** 2011 Survey Ramp ℄
**** I-10 EB ℄
I-10 WB 1949 ℄ *****
I-10 WB ℄ *****

N89°16'57"E 2631.87'
N00°36'48"W 2613.94'
N00°51'51"W 1320.12'
N00°31'06"W 2643.28'
N89°15'14"E 2654.42'
S03°58'24"E 1291.65'
N89°45'27"E 2673.73'
S27°02'27"W 2045.55'
N54°57'17"E 616.05'
400.66'
574.81'
810.86'
150'
70'
55'
30'
50'

P.O.T. 3334+48.25
P.C. 22+91.65
P.O.T. 10+00.00
P.O.T. 13+70.22
P.T. 3328+32.20
P.O.C. 40+30.90
L.T.B. S22°06'56"W
P.T. 43+59.26
P.O.T. 46+42.29 BK
P.O.T. 53+00.00 AHD EQUA

RP 2169
MP CV.00
OF

See Detail 'A' on Sheet RS-17
See Detail 'H' on Sheet RS-5
See Detail 'B'
See Detail 'A' on Sheet RS-18
See Detail 'C'
See Detail 'I' on Sheet RS-5

Existing R/W Line & Section Line/City Boundary To South line of 29th Street

For additional and more current information regarding ADOT Existing R/W lying west of I-10 within the south half of Section 23 and along Santa Cruz Lane, Flandaca Boulevard and El Puente Lane, see R/W Plans Project I-10-4-808.

C01
2011 SURVEY RAMP ℄ CURVE DATA
PI 33+51.46 ← 2051
Δ=31°00'51" RT
D=01°30'00"
T=1059.81'
L=2067.61'
R=3819.72' ← 633

C06
2011 SURVEY ℄ CURVE DATA
PI 3308+04.11 ← 964
Δ=55°29'20" RT
D=01°15'00"
T=2411.01'
L=4439.10'
R=4583.66' ← 565

BASIS OF STATIONING
2011 SURVEY RAMP ℄ STATIONING FROM P.O.T. 10+00.00 TO P.T. 76+50.96 IS BASED ON P.O.T 13+70.22 AT MID-SECTION LINE TIE (PT. 2050) AS SHOWN ON ADOT R/W PLANS I-10-4-808

**** THE CENTERLINE LABELED 'I-10 EB ℄' IS DESIGNATED 'EB CONSTR. ℄' ON ADOT R/W PLANS NH-10-4(142) AND 'SOUTHBOUND ℄' ON ADOT R/W STRIP MAPS E-10-T-268(1949), C-10-T-264 AND ADOT AS-BUILT U.I. 141(4).

*** THE CENTERLINE LABELED '2011 SURVEY RAMP ℄' IS DESIGNATED 'RAMP ES CONTROL ℄" AND 'I-19 SB ℄' ON ADOT R/W PLANS I-10-4-808.

LEGEND
302 Set Monument
300 Found Monument
SFNF Searched For Not Found
301 Calculated position
Existing ADOT R/W monument

Click here for I 10 Index

0 100 200
Scale

019rw057.rs12.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

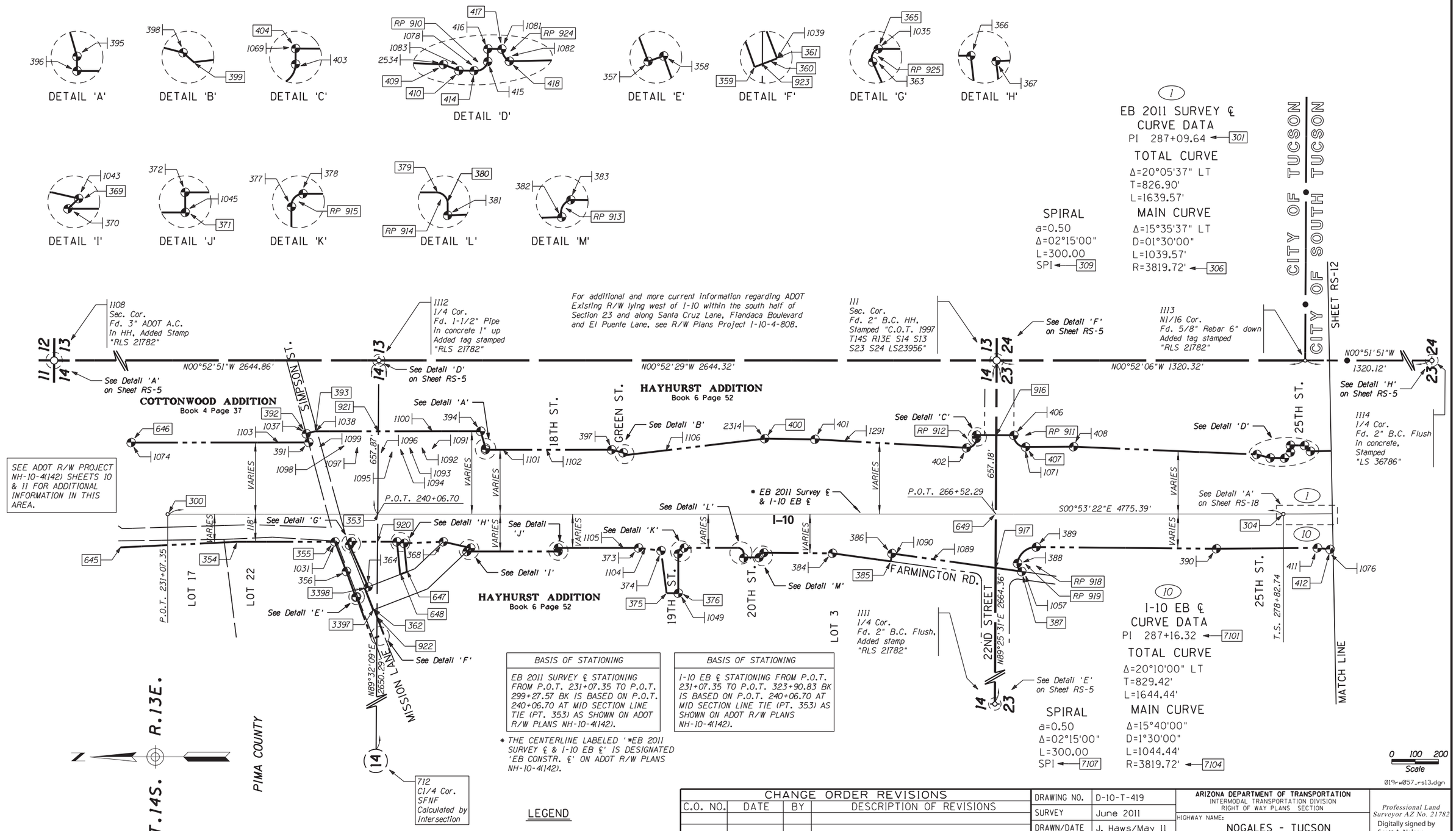
DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker
HUBBARD ENGINEERING	480-892-3313 Mesa, AZ snelsonehubbardengineering.com Job # 10210
ROUTE NO.:	I-19
LOCATION:	SAN XAVIER RD - JCT I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
SHEET RS-12

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:45:46 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY



BASIS OF STATIONING
EB 2011 SURVEY ℄ STATIONING FROM P.O.T. 231+07.35 TO P.O.T. 299+27.57 BK IS BASED ON P.O.T. 240+06.70 AT MID SECTION LINE TIE (PT. 353) AS SHOWN ON ADOT R/W PLANS NH-10-4(142).

BASIS OF STATIONING
I-10 EB ℄ STATIONING FROM P.O.T. 231+07.35 TO P.O.T. 323+90.83 BK IS BASED ON P.O.T. 240+06.70 AT MID SECTION LINE TIE (PT. 353) AS SHOWN ON ADOT R/W PLANS NH-10-4(142).

* THE CENTERLINE LABELED '*EB 2011 SURVEY ℄ & I-10 EB ℄' IS DESIGNATED 'EB CONSTR. ℄' ON ADOT R/W PLANS NH-10-4(142).

LEGEND

302 Set Monument
300 Found Monument
SFNF Searched For Not Found
301 Calculated position
Existing ADOT R/W monument

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:46:08 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-13

Click here for I 10 Index

RESULTS OF SURVEY

Click here for I 10 Index

NOTE:
THE RAILROAD R/W ALIGNMENT WAS CALCULATED ALONG THE CENTERLINE OF THE MAIN TRACK AS SHOWN ON THE UNION PACIFIC STRIP MAP SHEET V-17 / 1. SURVEY MEASUREMENTS WERE MADE FOR SAID CENTERLINE BY SPLITTING THE RAILS AT POINTS 1633 & 1634.

PIMA COUNTY

SHEET RS-12

DETAIL 'E'

DETAIL 'A'

DETAIL 'B'

DETAIL 'C'

DETAIL 'D'

DATA TABLE	
1	S00°54'37"E 2099.22'
2	S00°52'55"E 553.19'

36TH STREET

N89°16'57"E 2631.87'

N89°22'45"E 2629.40'

N00°39'36"W 2651.59'

1152 Sec. Cor. Fd. 2" B.C. In HH 14" down Stamped "T14S R13E S24 S19 S25 S30"

339 1/4 Cor. SFNF Set 3" A.C. on 5/8" Rebar Flush, Stamped "T14S R13E 1/4 S24 S25 2011 RLS 21782" by Modified Single Proportionate methods from Points 110 & 1152 using record information as shown on ADOT R/W project NH-10-4(142)

110 Sec. Cor. Fd. 2" A.C. Flush Stamped "ADOT ROW T14S R13E S23 S24 S26 S25 LS 18222 2008"

T.14S. R.14E.
T.14S. R.13E.

CITY OF SOUTH TUCSON
CITY OF TUCSON

HOME ADDITION
Book 4 Page 93

SUNSET VILLA ADDITION
Book 5 Page 71

VALLE DEL SUR CONDOMINIUMS
Book 60 Page 51

SOUTHGATE ADDITION
Book 7 Page 18

CIRCLE K I-10 AND 6TH AVENUE
Book 64 Page 50

THE BRIDGES
Book 65 Page 2

10th Ave ℄
4th Ave
6th Ave ℄
6th Ave

I-10

WB 2011 Survey ℄ *
I-10 WB ℄ ***
I-10 WB 1949 ℄ *****
EB 2011 Survey ℄ *
I-10 EB ℄ **
I-10 EB 1949 ℄ ******
* WB 2011 Survey ℄
* EB 2011 Survey ℄
**** I-10 Median ℄

EXIST DRAIN ESMT
N00°55'35"W 2639.97'
N00°52'46"W UNION PACIFIC RAILROAD

N00°35'14"W 2635.01'
N89°21'41"E 2625.32'

Ex US80 ℄

MATCH LINE

*** THE CENTERLINE LABELED 'I-10 WB ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAPS, E-10-T-268A(1949), C-10-T-264. AND ADOT AS-BUILT U.I. 141(4).

***** THE CENTERLINE LABELED 'I-10 WB 1949 ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAP E-10-T-268A(1949).

**** THE CENTERLINE LABELED 'MEDIAN ℄' IS DESIGNATED 'OFFICE ℄' ON ADOT R/W PLANS I-10-5(3)261.

* THE CENTERLINE LABELED 'EB 2011 SURVEY ℄' AND 'WB 2011 SURVEY ℄' IS DESIGNATED E.B. CONSTR. BASELINE AND W.B. CONSTR. BASELINE ON ADOT R/W PLANS IR-10-5(64).

** THE CENTERLINE LABELED 'I-10 EB ℄' IS DESIGNATED 'SOUTHBOUND ℄' ON ADOT R/W STRIP MAPS E-10-T-268A(1949), C-10-T-264 AND ADOT AS-BUILT U.I. 141(4).

***** THE CENTERLINE LABELED 'I-10 EB 1949 ℄' IS DESIGNATED 'SOUTHBOUND ℄' ON ADOT R/W STRIP MAP E-10-T-268A(1949).

P.O.T. 39+30.56

P.O.T. 65+82.97

P.I 60+29.78
N00°54'37"W
DEF =00°01'42" RT
S00°52'55"E
1017

1154 C1/4 Cor. Fd. 2" B.C. In HH, 10" down stamped "C.O.T. T14S R13E C1/4 25 LS 23956 1999"

N00°31'57"W 2628.30'

1156 1/4 Cor. Fd. 2" C.O.T. B.C. In HH 6" down Stamped "T14S R13E S25 S36 1999 RLS 23956"

N89°27'48"E 2638.40'

2210 1/4 Cor. SFNF Position Calculated by projecting a line from Pt. 110 through Pt. 1577 5.00' south

1282 Sec. Cor. Fd. 3" AHD B.C. In HH 12" down Added stamp "RLS 21782"

2075 C1/4 Cor. SFNF Position Calculated By Intersection

N89°01'03"E 2626.10'

Not part of Current Existing R/W

BASIS OF STATIONING
6TH AVE. ℄ STATIONING FROM P.O.T. 39+30.56 TO P.O.T. 65+82.97 IS BASED ON P.O.T. 60+29.78 AT FOUND B.C.FLUSH (PT. 1017) AS SHOWN ON ADOT R/W PLANS I 010-E-800

LEGEND

302 Set Monument
300 Found Monument
SFNF Searched For Not Found
301 Calculated position
Existing ADOT R/W monument

0 100 200
Scale

019rw057_rs14.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:46:34 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-14

RESULTS OF SURVEY

P.O.T. 91+72.01
1764
40'
40'
606
605
2085
87.5'
N00°48'49"W PARK AVE
604
CITY
THE BRIDGES
Book 65 Page 2
474
1/4 Cor.
SFNF
Position calc'd by Modified Single Proportionate methods from Points 1282 & 1152 using record information as shown on ADOT R/W project IR-10-5(64)
SHEET RS-14
THE BRIDGES
Book 65 Page 2
479
480
466
489
467
120'
468
2076
469
P.O.T. 76+42.31
PARK AVE. ℄
DEF =00°08'09" LT
2087
652
1194
465
P.I. 74+63.43
P.C.C. 390+00.30
L.T.B. S66°02'17"E
P.C.C. 390+48.70
L.T.B. S64°53'06"E
RP 2432
326
327
25+30
Ex US80 ℄
7
17
6
8
9
* WB 2011 Survey ℄
*** I-10 Median ℄
See Detail 'A'
I-10
18
2647
609
1824
1825
610
2651
200'
P.T. 37+97.30
50'
50'
617
618
640
619
641
522
75'
1230
1229
2630
3399
505
504
1228
3400
3401
56'
3402
3403
2634
1844
654
3405
2652
3404
1767
2639
3406
50'
3420
3421
1768
1758
3422
3423
3424
3425
3429
3428
3427
3426
106'
EVANS BLVD
46TH ST
44TH ST
BROADWAY OF AMERICA
Book 6 Page 81
MATCH LINE
P.O.T. 48+52.27
Ex US80 ℄
P.O.T. 64+12.76
Park Ave ℄
Park Ave ℄
N00°40'40"W
1321.08'
N89°21'41"E 2625.32'
1279
1/4 Cor.
Fd. 1/2" Rebar in HH 6" down
Added tag Stamped "RLS 21782"
19
30
See Detail 'C' on Sheet RS-2
N00°40'15"W 2638.27'
See Detail 'D' on Sheet RS-2
2075
C1/4 Cor.
SFNF
Position Calculated by Intersection
30
N89°21'41"E 2639.21'
1280
1/4 Cor.
Fd. 3" C.O.T. A.C. Flush Stamped "RLS 20373"
See Detail 'E' on Sheet RS-2
30
29
1310
N00°40'15"W 2641.94'
MP 2002
THE BRIDGES
470
471
2529
628
P.T. 401+95.46
329
3319
330
3
1
108'
42'
2009
2
108'
42'
508
2530
611
2536
328
507
506
40'
VARIES
641
522
75'
619
654
3405
3429
3428
3427
3426
3425
3424
P.T. 400+93.44
P.T. 53+69.00
P.O.T. 56+79.82 BK Median ℄
P.O.T. 56+90.75 AHD EB Exist R/W ℄
P.O.T. 59+95.13 EB Exist R/W ℄
P.O.T. 407+99.26 EB 2011 Survey ℄
1275.98'
OF
*** EB Exist R/W ℄
S57°03'39"E 2705.46'
P.O.T. 407+17.01
WB 2011 Survey ℄
332
50.43'
620
600
50.43'
331
BASIS OF STATIONING
PARK AVE. ℄ STATIONING FROM P.O.T. 50+01.38 TO P.O.T. 91+72.01 IS BASED ON P.O.T. 71+72.16 AT INTERSECTION OF WB 2011 SURVEY ℄ AND PARK AVE ℄ (PT. 621) AS SHOWN ON ADOT R/W PLANS IR-10-5(64)
BASIS OF STATIONING
WB 2011 SURVEY ℄ STATIONING FROM P.O.T. 321+24.29 AHD TO P.O.T. 407+17.01 IS BASED ON P.O.T. 366+72.71 AT ADOT R/W MONUMENT (PT. 455) AS SHOWN ON ADOT R/W PLANS IR-10-5(64)
BASIS OF STATIONING
EB 2011 SURVEY ℄ STATIONING FROM P.O.T. 321+06.09 AHD TO P.O.T. 407+99.26 IS BASED ON P.O.T. 359+50.02 AT ADOT R/W MONUMENT (PT. 1216) AS SHOWN ON ADOT R/W PLANS IR-10-5(64)
BASIS OF STATIONING
I-10 MEDIAN ℄ STATIONING FROM P.O.T. 15+00.33 AHD TO P.O.T. 56+79.82 BK IS BASED ON P.O.T. 15+00.33 AHD AS SHOWN ON ADOT R/W PLANS I-10-5(3)261.
BASIS OF STATIONING
EX US80 ℄ STATIONING FROM P.C. 29+79.61 TO P.O.T. 48+52.27 IS BASED ON P.T. 37+97.30 AT EX US80 ℄ - NORTHWEST LINE OF BLOCK 1 OF BROADWAY OF AMERICA ADDITION INTERSECTION AS SHOWN ON ADOT R/W PLANS I-10-5(4)262.
BASIS OF STATIONING
EB EXIST R/W ℄ STATIONING FROM P.O.T. 56+90.75 AHD TO P.O.T. 83+96.21 IS BASED ON P.O.T. 83+96.21 AT SECTION LINE TIE AT SOUTH LINE OF SECTION 30 (PT. 333) AS SHOWN ON ADOT R/W PLANS I 010-E-701
SEE ADOT R/W PROJECT I-010-E-701 SHEET RS-3 FOR ADDITIONAL SURVEY INFORMATION IN THIS AREA
1310
See Detail 'E' on Sheet RS-2
1280
1/4 Cor.
Fd. 3" C.O.T. A.C. Flush, Stamped "RLS 20373"
30
29
100
P.O.C. 391+73.70
L.T.B. S64°44'08"E
WB 2011 Survey ℄
P.O.T. 71+72.16
Park Ave. ℄
621
3333
622
P.O.C. 44+34.16
L.T.B. S64°04'20"E
I-10 Median ℄
P.O.T. 71+35.18
Park Ave. ℄
P.O.C. 392+43.21
L.T.B. S63°25'42"E
EB 2011 Survey ℄
P.O.T. 70+96.67
Park Ave. ℄
DETAIL 'A'
* THE CENTERLINE LABELED 'EB 2011 SURVEY ℄' AND 'WB 2011 SURVEY ℄' IS DESIGNATED 'E.B. CONSTR BASELINE' AND 'W.B. CONSTR BASELINE' ON ADOT R/W PLANS IR-10-5(64).
** THE CENTERLINE LABELED 'EB EXIST R/W ℄' IS DESIGNATED 'MEDIAN ℄' ON ADOT R/W PLANS I-10-5(4)262.
N00°43'56"W 2643.97'
1475
Sec. Cor.
Fd. 2" B.C. Flush
Stamped "RLS 31591"
30
29
31
32
5
See Detail 'I' on Sheet RS-2
P.O.T. 83+96.21
642.37'
601
333
N89°24'19"E 2642.05'
TUCSON
T.14S.
R.14E.
PIMA COUNTY
DATA TABLE
1 S57°03'39"E 521.55'
2 S57°03'39"E 705.82'
3 S57°03'39"E 310.82'
LEGEND
302 Set Monument
300 Found Monument
SFNF Searched For Not Found
301 Calculated position
Existing ADOT R/W monument
3 Point numbers as shown on ADOT R/W Project I-010-E-701 Results of Survey
0 100 200
Scale
019rw057_rs15.dgn
SEE SHEET RS-20 FOR CENTERLINE CURVE AND SPIRAL DATA
4
See Detail 'H' on Sheet RS-2
1281
1/4 Cor.
Fd. 3" AHD B.C.
In HH 6" down
Added stamp
"RLS 21782"
N89°24'19"E 2613.56'
2482
See Detail 'B'
P.O.T. 50+01.38
1282
Sec. Cor.
Fd. 3" AHD B.C.
In HH, 12" down
Added stamp
"RLS 21782"
25
30
36
31
See Detail 'G' on Sheet RS-2
2482
P.O.T. 50+01.38
N00°40'40"W 0.54'
112
Fd. 2" B.C. Flush
Stamped "COT
RLS 31032"
DETAIL 'B'

Click here for I 10 Index

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker
HUBBARD ENGINEERING 480-892-3313 Mesa, AZ snelsonehubbardengineering.com Job # 10210	
ROUTE NO.: I-19	LOCATION: SAN XAVIER RD - JCT I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION
HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
SHEET RS-15

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:47:00 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY

Click here for I 10 Index

MATCH LINE SHEET RS-12

T.14S. R.13E.

PIMA COUNTY

For additional and more current information regarding ADOT Existing R/W lying west of I-10 within the south half of Section 23 and along Santa Cruz Lane, Flandaca Boulevard and El Puente Lane, see R/W Plans Project I-10-4-808.

* There are two alternate locations for the S1/4 corner of Section 23. The east location (Point 1119) is supported by City of Tucson (C.O.T.) Plans R-75-3, Recorded Surveys 5-60, 7-7, 8-34 and 8-63 and Misc. Surveys 0-492 and 0-494. The west location (Point 1927) is supported by C.O.T. Plans R-95-05, Recorded Surveys 7-51, 19-100 and 27-30 and Misc. Surveys 0-495 and 0-496. The relationship between the alternate locations is shown on ADOT R/W Plans I-10-4-808 and Recorded Surveys 29-32 and 55-58. This Results of Survey has held both locations in order to reestablish the ADOT Existing R/W along Santa Cruz Lane as shown on ADOT R/W Plans I-10-4-808. Point 1119 has been held to establish the north-south mid-section line of Section 19 as shown on this survey and to establish the east ADOT Existing R/W along Santa Cruz Lane between Points 1119 and 2110 and between Points 2015 and 2013. Point 1927 has been held to establish the east ADOT Existing R/W along Santa Cruz Lane between Points 2109 and 2020. See Detail 'I' on Sheet RS-5 for a mathematical relationship between the 2 monuments.

SEE R/W PROJECT I-10-4-808 SHEETS 11 & 12 OF 14 FOR ADDITIONAL INFORMATION IN THIS AREA

BASIS OF STATIONING

SANTA CRUZ LANE ℄ STATIONING FROM P.O.T. 10+00.00 TO P.O.T. 35+77.02 IS BASED ON P.O.T 10+00.00 AT B.C. IN HH AT CENTER OF SECTION 23 (PT. 1115) AS SHOWN ON ADOT R/W PLANS I-10-4-808.

1114
1/4 Cor.
Fd. 2" B.C. Flush
In Concrete stamped
"LS 36786"

See Detail 'H' on Sheet RS-5

C01
SANTA CRUZ LANE ℄
CURVE DATA
PI 11+12.32 ← 2095
Δ=04°04'15" RT
D=03°30'00"
T=58.18'
L=116.31'
R=1637.02' ← 2089

C02
SANTA CRUZ LANE ℄
CURVE DATA
PI 16+78.46 ← 2096
Δ=04°38'49" LT
D=01°45'00"
T=132.84'
L=265.54'
R=3274.04' ← 2090

CITY OF TUCSON

1115
C1/4 Cor
Fd. 2" B.C.
In HH
14" down
Stamped
"COT 1999
T14S R13E
C1/4 S23
RLS 23956"

N89°45'27"E 2673.73'

2434 2435 2014 2017 2016 2018 2019

P.O.T. 10+00.00

S00°27'20"E 54.14'

P.C. 10+54.14

P.T. 11+70.45

DETAIL 'A'

55'

SILVERLAKE ROAD

See Detail 'A'

2098 2099 2100 2103 2015 2125

Existing R/W Line & Mid-Section Line

P.C. 15+45.62

P.T. 18+11.16

EL PUENTE LANE

VARIES

32'

S03°36'55"W 375.17'

2091 C02 2092 2020

N01°01'54"W 2637.46'

Santa Cruz Lane ℄

2097 2101 2102 2105 2106

50'

2619.71'

N89°12'21"E

1117
1/4 Cor.
Fd. 2" B.C.
In HH 12" down
Stamped "COT T14S R13E
1/4 S22 S23 RLS 23956 1999"

See Detail 'G' on Sheet RS-5

← SANTA CRUZ RIVER

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument

P.O.T. 35+77.02
S88°58'06"W 30.00'
30.00' RT
P.O.T. 35+77.02
2093 2094 1189

DETAIL 'B'

34TH STREET

OF

VARIES

2112 2111 2110 2109 2113 2114

47' 57'

1982 1981 1188

EXIST DRAIN ESMT

SANTA CRUZ LANE

S01°01'54"E 1765.86'

47' 32'

Existing R/W Line & Mid-Section Line

See Detail 'B'

2116 RP 2121 2115 RP 2094

*1119
1/4 Cor.
Fd. 2" A.C.
Flush, stamped
"CITY OF TUCSON
RLS 31032"

See Detail 'I' on Sheet RS-5

1305
C1/4 Cor.
Fd. 3" Lead Cap
on 2-1/2" Iron
Pipe 4" up; Pipe
bent to NW, shot
at base of pipe at
ground. Added tag
stamped
"RLS 21782"

N00°42'08"W 2629.65'

2163

N89°45'56"E 2652.35'

1120
Sec. Cor.
Fd. 3" BLM B.C. on
2-1/2" I.P. 12" up
Stamped "T14S R13E
S22 S23 S27 S26 1952"

110
Sec. Cor.
Fd. 2" A.C. Flush
Stamped "ADOT
ROW T14S R13E
S23 S24 S26 S25
LS 18222 2008"

INGRESS/EGRESS EASEMENT

N89°15'14"E 2654.42'

30'

0 50 100
Scale

019rw057_rs16.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ROUTE NO.: I-19

LOCATION: SAN XAVIER RD - JCT I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:47:26 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-16

Click here for I 10 Index

RESULTS OF SURVEY

MATCH LINE SHEET RS-12

MATCH LINE SHEET RS-14

MATCH LINE SHEET RS-11

T.14S. R.13E.

23 / 26 — See Detail 'I' on Sheet RS-5

1119 1/4 Cor. Fd. 2" A.C. Flush, stamped "CITY OF TUCSON RLS 31032"

16th Ave. ℄ — 30' — 44th St. ℄ — 1576 — N89°24'24"E 1321.80' — 1261 — 1260

DETAIL 'B'

2211 E1/16 Cor. SFNF Position calculated by projecting a line from Pt. 1305 through Pt.1260 30.00' east

110 Sec. Cor. Fd. 2" A.C. Flush Stamped "ADOT ROW T14S R13E S23 S24 S26 S25 LS 18222 2008"

23 24 / 26 25

CITY

CITY

** THE CENTERLINE LABELED '2011 SURVEY ℄' IS DESIGNATED 'MEDIAN ℄' ON ADOT R/W PLANS I-19-1(4)58

** 2011 Survey ℄ — 150' — I-19

N00°42'08"W 1314.82'

2458 NE1/16 Cor. Not searched for Position calculated at intersection of west line of Sunset Villa Addition and south line of N1/2 NE1/4 Section 26

N89°20'49"E 1327.55'

2459 N1/16 Cor. Not searched for Position calculated by single proportionate methods

2462 N1/16 Cor. SFNF Position calculated at mid-point between Pts. 110 & 1577

Tucson

N00°31'06"W 1319.14'

38th Street

39th Street

40th Street

41st Street

42nd Street

43rd Street

44th St. ℄

BLOCK 15

BLOCK 17

S89°20'49"W 1322.64'

SUNSET VILLA ADDITION
BOOK 5 PAGE 71

Sunset Villa

16th Ave

12th Ave

11th Ave

10th Ave

N00°30'26"W 1317.75'

N00°31'06"W 1324.14'

Shown for graphical purposes only

* WB 2011 Survey ℄

* EB 2011 Survey ℄

I-10 WB ℄ ***

I-10 EB ℄ **

RP 3377

OF

PIMA COUNTY

SOUTH TUCSON

BLOCK 11

BLOCK 10

I-10

Diversion

See Detail 'C'

**** I-10 EB 1949 ℄

***** I-10 WB 1949 ℄

Channel

TUCSON

SOUTHGATE
BOOK 7 PAGE 18

N89°28'25"E 1323.07'

N89°24'24"E 1321.80'

See Detail 'B'

N89°37'25"E 1322.90'

See Detail 'A'

N89°27'48"E 2638.40'

1577 N00°31'06"W 5.00'

1576 N90°00'00"W 1.10'

26 25 S00°25'03"E 9.02'

1639

2210

1154 C1/4 Cor. Fd. 2" B.C. in HH 10" down Stamped "C.O.T. T14S R13E C1/4 25 LS 23956"

2313 2312 N00°31'13"W 2638.04'

1157 Sec. Cor. Fd. 3" AHD B.C. In HH 12" down Added stamp "RLS 21782"

See Detail 'L' on Sheet RS-5

35 36

SURVEY NOTES

1. The East 1/4 Corner of Section 26 was established by projecting a line from Pt. 110 (NE Corner Section 26) through Pt. 1577 (Found brass cap flush) 5.00' south. This decision is based on and supported by Recorded Survey 29-93, C.O.T. Plans 1-68-39, 1-591 and R-68-005 and found monuments (Pts. 1240, 1242-1245 and 1248) to the east along 44th Street to the Center Section 25. It is noted that the Found Brass Caps Flush at Pts. 1576 and 1577 have also been held as the East 1/4 Corner of Section 26 on numerous recorded and unrecorded surveys.
2. The 1/16 Corner at 16th Avenue and 44th Street was established by projecting a line from Pt. 1305 (Center Section 26) through Pt. 1260 (Found Brass Cap Flush) 30.00' east. This decision is based on and supported by Freeway Acres Blocks 1, 2 & 3 17-38, Recorded Surveys 6-87, 10-19 and 14-82 and C.O.T. Plans S-69-8. The 1/16 Corner is also the southwest corner of Sunset Villa Addition.
3. It was necessary to survey the southern portion of Sunset Villa Addition in order to determine portions of the Existing R/W of I-19 and I-10. The following decisions were made to determine said Existing R/W:
   - A. The west line of Sunset Villa Addition was established by offsetting the 16th Avenue ℄ 30.00' east. Said centerline was established between Pts. 1260 and 1852 and is supported by Recorded Surveys 10-19 and 14-82 and C.O.T. Plans S-69-8.
   - B. Centerline monuments found within the subdivision are set 5.00' north of the intersections due to sewer lines running along the east-west centerlines. Exceptions to this were found along 10th Avenue and east of 10th Avenue. The centerlines were calculated based on this determination.
   - C. Pt. 1576 (Found brass cap flush) is a corner of Sunset Villa Addition and controls the centerline of 12th Avenue to the north and 44th Street to the west (for north side only). This is supported by found monuments north and west of Pt. 1576.
   - D. The centerline of 39th Street between 10th Avenue and 12th Avenue was established per Recorded Survey 48-84.
   - E. The centerlines of 39th Street and 40th Street east of 10th Avenue were established on an easterly projection of the centerlines west of 10th Avenue due to the lack of centerline monuments east of 10th Avenue.
   - F. Blocks and Lots within Sunset Villa Addition were established based on proportioning record data between the re-established centerlines.

23 24 / 26 25

110 — 12th Ave ℄ — N00°29'40"W 2638.27' — 1576 Fd. 2" B.C. Flush — 1577 Fd. 2" B.C. Flush — 44th St. ℄ — N00°31'06"W 5.00'

2211 1/16 Cor. — N89°24'24"E 1321.80' — 1639 Fd. 2" B.C. Flush

2210 1/4 Cor. SFNF Position Calculated by projecting a line from Pt. 110 through Pt. 1577 5.00' south

DETAIL 'A'

515 — 1169 — 514 — 1987 — 513 — 1168

DETAIL 'C'

* THE CENTERLINE LABELED 'EB 2011 SURVEY ℄' AND 'WB 2011 SURVEY ℄' IS DESIGNATED 'E.B. CONSTR. BASELINE' AND 'W.B. CONSTR. BASELINE' ON ADOT R/W PLANS IR-10-5(64).

** THE CENTERLINE LABELED 'I-10 EB ℄' IS DESIGNATED 'SOUTHBOUND ℄' ON ADOT R/W STRIP MAP C-10-T-264 AND ADOT AS-BUILT U.I. 141(4).

*** THE CENTERLINE LABELED 'I-10 WB ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAP C-10-T-264 AND ADOT AS-BUILT U.I. 141(4).

**** THE CENTERLINE LABELED 'I-10 EB 1949 ℄' IS DESIGNATED 'SOUTHBOUND ℄' ON ADOT R/W STRIP MAP E-10-T-268A(1949).

***** THE CENTERLINE LABELED 'I-10 WB 1949 ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAP E-10-T-268A(1949).

0 75 150 Scale

Ø19rw057_rs17.dgn

1305 C1/4 Cor. Fd. 3" Lead Cap on 2-1/2" Iron Pipe 4" up; Pipe bent to NW shot at base of pipe at ground. Added tag stamped "RLS 21782"

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ snelsonehubbardengineering.com Job # 10210

ROUTE NO.: I-19

LOCATION: SAN XAVIER RD - JCT I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

SHEET RS-17

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:47:52 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY

DETAIL 'A'

(FROM SHEETS RS-12 & RS-14)

T.14S. R.13E.

PIMA COUNTY

CITY OF TUCSON

SOUTH TUCSON CITY

BASIS OF STATIONING
EB 2011 SURVEY ℄ STATIONING FROM P.O.T. 231+07.35 TO P.O.T. 299+27.57 BK IS BASED ON P.O.T. 240+06.70 AT MID-SECTION LINE TIE (PT. 353) AS SHOWN ON ADOT R/W PLANS NH-10-4(142).

BASIS OF STATIONING
WB 2011 SURVEY ℄ STATIONING FROM P.O.T. 299+30.00 AHD TO P.O.T. 321+25.13 BK AND EB 2011 SURVEY ℄ FROM P.O.T. 299+30.00 AHD TO P.O.T. 321+07.56 BK IS BASED ON P.O.T. 317+91.22 AT ADOT R/W MONUMENT (PT. 1141) AS SHOWN ON ADOT R/W PLANS IR-10-5(64).

BASIS OF STATIONING
I-10 WB 1949 ℄ STATIONING FROM P.O.T. 317+65.23 TO S.T. 335+42.24 IS BASED ON T.S. 320+19.21 AHD AS SHOWN ON ADOT R/W PLANS F.I. 141, E-10-T-268A(1949).

BASIS OF STATIONING
I-10 WB ℄ STATIONING FROM P.O.T. 317+65.23 TO P.O.T. 320+18.92 BK IS BASED ON P.O.T. 317+65.23 AT SECTION LINE TIE (PT. 3241) AS SHOWN ON ADOT R/W PLANS AS-BUILT U.I.141(4).

BASIS OF STATIONING
I-10 EB ℄ STATIONING FROM P.O.T. 231+07.35 TO P.O.T. 323+90.83 BK IS BASED ON P.O.T. 240+06.70 AT MID SECTION LINE TIE (PT. 353) AS SHOWN ON ADOT R/W PLANS NH-10-4(142).

BASIS OF STATIONING
EB 2011 SURVEY ℄ STATIONING FROM P.O.T. 321+06.09 AHD TO P.O.T. 407+99.26 IS BASED ON P.O.T. 359+50.02 AT ADOT R/W MONUMENT (PT. 1216) AS SHOWN ON ADOT R/W PLANS IR-10-5(64)

BASIS OF STATIONING
WB 2011 SURVEY ℄ STATIONING FROM P.O.T. 321+24.29 AHD TO P.O.T. 407+17.01 IS BASED ON P.O.T. 366+72.71 AT ADOT R/W MONUMENT (PT. 455) AS SHOWN ON ADOT R/W PLANS IR-10-5(64)

339
1/4 Cor.
Set 3" A.C. on 5/8" Rebar
Flush, Stamped "T14S R13E
1/4 S24 S25 2012 RLS 21782"
Re-established by Modified
Single Proportionate methods
from points 110 & 1152 using
record information as shown on
ADOT R/W project NH-10-4(142)

1114
1/4 Cor.
Fd. 2" B.C. Flush
In concrete, Stamped
"LS 36786"

110
Sec. Cor.
Fd. 2" A.C. Flush
Stamped "ADOT
ROW T14S R13E
S23 S24 S26 S25
LS18222 2008"

1115
C1/4 Cor.
Fd. 2" B.C. In
HH, 14" Down
Stamped "COT
1999 T14S R13E
C1/4 S23
RLS 23956"

(1)
EB 2011 SURVEY ℄
CURVE DATA
PI 287+09.64 ← 301
TOTAL CURVE
Δ=20°05'37" LT
T=826.90'
L=1639.57'

SPIRAL	MAIN CURVE	SPIRAL
a=0.50	Δ=15°35'37" LT	a=0.50
Δ=02°15'00"	D=01°30'00"	Δ=02°15'00"
L=300.00	L=1039.57'	L=300.00
SPI ← 309	R=3819.72' ← 306	SPI ← 310

(10)
I-10 EB ℄
CURVE DATA
PI 287+16.32 ← 7101
TOTAL CURVE
Δ=20°10'00" LT
T=829.42'
L=1644.44'

SPIRAL	MAIN CURVE	SPIRAL
a=0.50	Δ=15°40'00" LT	a=0.50
Δ=02°15'00"	D=01°30'00"	Δ=02°15'00"
L=300.00	L=1044.44'	L=300.00
SPI ← 7107	R=3819.72' ← 7104	SPI ← 7108

* THE CENTERLINE LABELED 'EB 2011 SURVEY ℄' AND 'WB 2011 SURVEY ℄' IS DESIGNATED 'E.B. CONSTR. BASELINE' AND 'W.B. CONSTR. BASELINE' ON ADOT R/W PLANS IR-10-5(64).

** THE CENTERLINE LABELED 'I-10 EB ℄' IS DESIGNATED 'EB CONSTR. ℄' ON ADOT R/W PLANS NH-10-4(142) AND 'SOUTHBOUND ℄' ON ADOT R/W STRIP MAPS E-10-T-268A(1949), C-10-T-264 AND ADOT AS-BUILT U.I. 141(4).

*** THE CENTERLINE LABELED 'I-10 WB ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAPS E-10-T-268A(1949), C-10-T-264 AND ADOT AS-BUILT U.I. 141(4).

**** THE CENTERLINE LABELED 'I-10 WB 1949 ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAP E-10-T-268A(1949).

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument

Click here for I 10 Index

N.T.S.

Ø19rw057_rs18.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker
HUBBARD ENGINEERING Mesa, AZ snelson@hubbardengineering.com Job # 10210	
ROUTE NO.: I-19	LOCATION: SAN XAVIER RD - JCT I-10

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:48:18 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-18

Click here for I 10 Index

RESULTS OF SURVEY

PIMA COUNTY

SHEET RS-11

MATCH LINE

CITY OF SOUTH TUCSON

CITY OF TUCSON

I-10

6th Ave

10th Ave

DETAIL 'A'
(FROM SHEET RS-14)

DETAIL 'B'

DETAIL 'C'

DETAIL 'D'

DETAIL 'E'

DETAIL 'F'

DETAIL 'G'

DETAIL 'H'

DATA TABLE		
1	S53°14'48"E	220.96'
2	S53°14'48"E	219.58'
3	S76°43'09"E	401.60'
4	S76°43'09"E	452.75'
5	S82°35'01"E	91.89'
6	S82°35'01"E	71.25'
7	S73°35'48"E	139.66'
8	S73°35'48"E	50.92'

* THE CENTERLINE LABELED 'EB 2011 SURVEY ℄' AND 'WB 2011 SURVEY ℄' IS DESIGNATED E.B. CONSTR. BASELINE AND W.B. CONSTR. BASELINE ON ADOT R/W PLANS IR-10-5(64).

** THE CENTERLINE LABELED 'I-10 EB ℄' IS DESIGNATED 'SOUTHBOUND ℄' ON ADOT R/W STRIP MAPS E-10-T-268A (1949), C-10-T-264 AND ADOT AS-BUILT U.I. 141(4).

*** THE CENTERLINE LABELED 'I-10 WB ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAPS E-10-T-268A (1949), C-10-T-264 AND ADOT AS-BUILT U.I. 141(4).

**** THE CENTERLINE LABELED 'MEDIAN ℄' IS DESIGNATED 'OFFICE ℄' ON ADOT R/W STRIP MAP, C-10-T-264.

***** THE CENTERLINE LABELED 'I-10 WB 1949 ℄' IS DESIGNATED 'NORTHBOUND ℄' ON ADOT R/W STRIP MAP E-10-T-268A(1949).

****** THE CENTERLINE LABELED 'I-10 EB 1949 ℄' IS DESIGNATED 'SOUTHBOUND ℄' ON ADOT R/W STRIP MAP E-10-T-268A(1949).

BASIS OF STATIONING
I-10 WB 1949 ℄ STATIONING FROM P.O.T. 317+65.23 TO S.T. 335+42.24 IS BASED ON T.S. 320+19.21 AHD AS SHOWN ON ADOT R/W STRIP MAP E-10-T-268A(1949).

BASIS OF STATIONING
I-10 WB ℄ STATIONING FROM T.S. 320+19.21 AHD TO P.O.T. 336+11.82 BK IS BASED ON T.S. 320+19.21 AHD AS SHOWN ON ADOT R/W STRIP MAP E-10-T-268 (AMENDED 1951).

BASIS OF STATIONING
I-10 WB ℄ STATIONING FROM T.S. 336+16.51 AHD TO P.O.T. 359+15.25 BK IS BASED ON T.S. 336+16.51 AHD AS SHOWN ON ADOT R/W PLANS I-10-4(3)260, C-10-T-264.

BASIS OF STATIONING
I-10 EB ℄ STATIONING FROM T.S. 320+03.61 AHD TO P.O.T. 335+97.60 BK IS BASED ON T.S. 320+03.61 AHD AS SHOWN ON ADOT R/W STRIP MAP E-10-T-268A(1949).

BASIS OF STATIONING
I-10 EB ℄ STATIONING FROM T.S. 336+00.25 AHD TO P.O.T. 359+26.68 BK IS BASED ON T.S. 336+00.25 AHD AS SHOWN ON ADOT R/W STRIP MAP C-10-T-264.

BASIS OF STATIONING
I-10 EB 1949 ℄ STATIONING FROM T.S. 320+03.61 AHD TO S.T. 335+26.64 IS BASED ON T.S. 320+03.61 AHD AS SHOWN ON ADOT R/W STRIP MAP E-10-T-268A(1949).

BASIS OF STATIONING
WB 2011 SURVEY ℄ STATIONING FROM P.O.T. 321+24.29 AHD TO P.O.T. 407+17.01 IS BASED ON P.O.T. 366+72.71 AT ADOT R/W MONUMENT (PT. 455) AS SHOWN ON ADOT R/W PLANS IR-10-5(64).

BASIS OF STATIONING
EB 2011 SURVEY ℄ STATIONING FROM P.O.T. 321+06.09 AHD TO P.O.T. 407+99.26 IS BASED ON P.O.T. 359+50.02 AT ADOT R/W MONUMENT (PT. 1216) AS SHOWN ON ADOT R/W PLANS IR-10-5(64).

BASIS OF STATIONING
EX US80 ℄ STATIONING FROM P.C. 29+79.61 TO P.O.T. 48+52.27 IS BASED ON P.T. 37+97.30 AT EX US80 ℄ - NORTHWEST LINE OF BLOCK 1 OF BROADWAY OF AMERICA ADDITION INTERSECTION AS SHOWN ON ADOT R/W PLANS I-10-5(4)262.

BASIS OF STATIONING
I-10 MEDIAN ℄ STATIONING FROM P.O.T. 15+00.33 AHD TO P.O.T. 56+79.82 BK IS BASED ON P.O.T. 15+00.33 AHD AS SHOWN ON ADOT R/W PLANS I-10-5(3)261.

BASIS OF STATIONING
6TH AVE. ℄ STATIONING FROM P.O.T. 39+30.56 TO P.O.T. 65+82.97 IS BASED ON P.O.T. 60+29.78 AT FOUND B.C.FLUSH (PT. 1017) AS SHOWN ON ADOT R/W PLANS I 010-E-800.

339 1/4 Cor. SFNF Set 3" A.C. on 5/8" Rebar Flush, Stamped "T14S R13E 1/4 S24 S25 2011 RLS 21782" by Modified Single Proportionate methods from Points 110 & 1152 using record information as shown on ADOT R/W project NH-10-4(142)

1154 C1/4 Cor. Fd. 2" B.C. In HH, 10" down stamped "C.O.T. T14S R13E C1/4 25 LS 23956 1999"

1152 Sec. Cor. Fd. 2" B.C. In HH 14" down Stamped "T14S R13E S24 S19 S25 S30"

474 1/4 Cor. SFNF Position calc'd by Modified Single Proportionate Method from points 1282 & 1152 using record information as shown on ADOT R/W project IR-10-5(64).

2075 C1/4 Cor. SFNF Position Calculated By Intersection

1282 Sec. Cor. Fd. 3" AHD B.C. In HH 12" down Added stamp "RLS 21782"

SEE SHEET RS-20 FOR CENTERLINE CURVE AND SPIRAL DATA

LEGEND
302 Set Monument
300 Found Monument
SFNF Searched For Not Found
301 Calculated position
Existing ADOT R/W monument

0 100 200 Scale

Ø19rw057.rs19.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

SHEET RS-19

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:48:46 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

RESULTS OF SURVEY

(2)
EB 2011 Survey ℄
CURVE DATA
PI 337+08.82 ← 335

SPIRAL
a=0.70
Δ=4°11'34"
L=345.00'
SPI ← 349

TOTAL CURVE
Δ=55°44'10" LT
T=in 1427.83' out 1590.67'
L=2813.39'

MAIN CURVE
Δ=43°05'28" LT
D=2°25'50"
L=1772.89'
R=2357.31' ← 337

SPIRAL
a=0.35
Δ=8°27'08"
L=695.50'
SPI ← 347

SPIRAL
a=0.50
Δ=6°12'30"
L=500.00'
SPI ← 350

(3)
WB 2011 Survey ℄
CURVE DATA
PI 336+74.11 ← 336

TOTAL CURVE
Δ=55°44'10" LT
T=in 1469.86' out 1411.15'
L=2681.91

MAIN CURVE
Δ=44°52'17" LT
D=2°29'00"
L=1806.91'
R=2307.21' ← 338

SPIRAL
a=0.66
Δ=4°39'23"
L=375.00'
SPI ← 348

(11)
I-10 EB ℄
CURVE DATA
PI 327+05.23 ← 3247

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3347

TOTAL CURVE
Δ=32°11'27" LT
T=701.62'
L=1373.03'

MAIN CURVE
Δ=23°11'27" LT
D=3°00'00"
L=773.03'
R=1909.86' ← 3344

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3348

(12)
I-10 WB ℄
CURVE DATA
PI 327+20.83 ← 3249

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3287

TOTAL CURVE
Δ=32°11'27" LT
T=701.62'
L=1373.03'

MAIN CURVE
Δ=23°11'27" LT
D=3°00'00"
L=773.03'
R=1909.86' ← 3284

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3288

(13)
I-10 EB ℄
CURVE DATA
PI 342+50.65 ← 3251

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3273

TOTAL CURVE
Δ=29°20'13" LT
T=650.40'
L=1277.89'

MAIN CURVE
Δ=20°20'13" LT
D=3°00'00"
L=677.89'
R=1909.86' ← 3270

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3274

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3314

(14)
I-10 WB ℄
CURVE DATA
PI 342+66.91 ← 3252

TOTAL CURVE
Δ=29°20'13" LT
T=650.40'
L=1277.89'

MAIN CURVE
Δ=20°20'13" LT
D=3°00'00"
L=677.89'
R=1909.86' ← 3311

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3315

(4)
EB 2011 Survey ℄
CURVE DATA
PI 357+03.64 ← 578
Δ=3°06'51" RT
D=0°45'00"
T=207.66'
L=415.22'
R=7639.44' ← 318

(5)
WB 2011 Survey ℄
CURVE DATA
PI 355+46.57 ← 579
Δ=3°06'51" RT
D=0°45'00"
T=207.66'
L=415.22'
R=7639.44' ← 315

(6)
EB 2011 Survey ℄
CURVE DATA
PI 384+90.61 ← 580
Δ=08°43'12" RT
D=00°46'47"
T=560.26'
L=1118.35'
R=7348.23' ← 322

(7)
WB 2011 Survey ℄
CURVE DATA
PI 384+70.89 ← 581
Δ=07°34'01" RT
D=00°42'49"
T=530.96'
L=1060.37'
R=8028.99' ← 324

(8)
EB 2011 Survey ℄
CURVE DATA
PI 395+71.88 ← 582
Δ=07°49'26" RT
D=00°44'56"
T=523.18'
L=1044.74'
R=7650.77' ← 323

(9)
WB 2011 Survey ℄
CURVE DATA
PI 395+99.11 ← 583
Δ=08°58'37" RT
D=00°45'04"
T=598.81'
L=1195.16'
R=7628.14' ← 325

(15)
I-10 EB ℄
CURVE DATA
PI 353+79.37 ← 3306
Δ=08°59'12" RT
D=01°06'00"
T=409.33'
L=816.98'
R=5208.71' ← 3279

(16)
I-10 WB ℄
CURVE DATA
PI 354+15.91 ← 3308
Δ=08°59'12" RT
D=01°00'00"
T=450.26'
L=898.68'
R=5729.58' ← 3301

(17)
I-10 MEDIAN ℄
CURVE DATA
PI 42+74.32 ← 3332
Δ=16°32'09" RT
D=00°45'00"
T=1110.11'
L=2204.79'
R=7639.44' ← 3318

(18)
EX US80 ℄
CURVE DATA
PI 33+99.89 ← 2648
Δ=32°38'54" RT
D=03°59'34"
T=420.28'
L=817.69'
R=1434.99' ← 2646

(19)
I-10 WB 1949 ℄
CURVE DATA
PI 328+03.14 ← 3350

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3287

TOTAL CURVE
Δ=36°41'27" LT
T=783.93'
L=1523.03'

MAIN CURVE
Δ=27°41'27" LT
D=3°00'00"
L=923.03'
R=1909.86' ← 3284

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3358

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3380

(20)
I-10 EB 1949 ℄
CURVE DATA
PI 327+87.54 ← 3359

TOTAL CURVE
Δ=36°41'27" LT
T=783.93'
L=1523.03'

MAIN CURVE
Δ=27°41'27" LT
D=3°00'00"
L=923.03'
R=1909.86' ← 3377

SPIRAL
a=1.00
Δ=4°30'00"
L=300.00'
SPI ← 3381

Click here for I 10 Index

019rw057_rs20.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelson@hubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:49:20 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-20

RESULTS OF SURVEY

GENERAL NOTES

THREE NGS STATIONS WERE USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY AND THEY ARE AS FOLLOWS:

X 419 NAD 83 (1992) 32°10'55.93347"(N) 110°56'35.74365"(W)
Grid Coordinates N 431379.91566 E 1001149.73864
Ground Coordinates (Pt. 100) N 431430.25338 E 1001266.56280

N 419 NAD 83 (1992) 32°12'48.50741"(N) 110°59'17.66498"(W)
Grid Coordinates N 442633.044 E 987135.722
Ground Coordinates (Pt. 101) N 442684.69485 E 987250.91087

DOUBLE RESET NAD 83 (1992) 32°08'11.37790"(N) 110°59'09.23583"(W)
Grid Coordinates N 414634.10 E 988102.17
Ground Coordinates N 414682.48365 E 988217.47164
Adjusted Ground Coordinates (Pt. 103) N414682.52186 E 988217.36083

THE FOLLOWING PARAMETERS WERE SET FOR THE BASIS OF THIS SURVEY:

SYSTEM: UNITED STATES STATE PLANE 1983
ZONE: ARIZONA CENTRAL 0202
DATUM: NORTH AMERICAN 1983 (CONUS)
GEOID MODEL: GEOID03 (CONTINENTAL US)

UNITS = INTERNATIONAL FEET (1 FOOT = 0.3048 METERS EXACTLY)

DIRECT SATELLITE MEASUREMENTS WERE MADE ON EACH POINT ON THE NORTH AMERICAN DATUM OF 1983 WITH AUTOMATIC TRANSLATIONS MADE TO THE STATE PLANE GRID SYSTEM.

GPS CALIBRATION AND TRANSLATION TO THE SURFACE WAS PERFORMED BY GPS SURVEY SOFTWARE. PER THE SCOPE OF WORK AND IN ORDER TO MATCH THE GRID ADJUSTMENT FACTOR DERIVED BY HDR FOR THE DEVELOPMENT OF THE DESIGN CONCEPT REPORT (DCR) A GRID ADJUSTMENT FACTOR OF 1.00011669 AND SCALE ORIGIN VALUES OF N=0.00, E=0.00, WERE USED FOR THE TRANSLATION TO THE SURFACE.

ALL BEARINGS ARE GRID BEARINGS, DISTANCES ARE GROUND DISTANCES AND COORDINATES ARE GROUND COORDINATES.

THE INFORMATION SHOWN ON THIS RESULTS OF SURVEY WAS BASED ON AN OBSERVATION AND EVALUATION OF PHYSICAL CORROBORATING EVIDENCE IN THE FIELD AND A REVIEW AND ANALYSIS OF EXISTING DRAWINGS, PLATS AND NOTES AVAILABLE AT THE TIME THE SURVEY WAS PREPARED.

THIS RESULTS OF SURVEY IS ON FILE IN THE FILE ROOM OF THE RIGHT OF WAY PLANS SECTION OF THE ARIZONA DEPARTMENT OF TRANSPORTATION, 205 SOUTH 17TH AVE, MD 612E, PHOENIX, AZ 85007. (602) 712-7270 SEE ADOT R/W FILE COPY FOR MOST CURRENT ADDITIONS OR REVISIONS.

FOR ADDITIONAL INFORMATION ON SECTION CORNER DESCRIPTIONS, SEE CORNER RECOVERY SHEETS IN THE ADOT R/W PLANS SECTION RECORDS.

SEE EXISTING R/W EXHIBIT MAPS IN THE PROJECT CALCULATION BOOK.

ADOT RIGHT OF WAY PLANS

PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE
F.I.-90	10-T-230	---	TUCSON - BENSON HWY.	1948
F.I.-141	E-10-T-268	---	TUCSON - ARIZONA HWY.	1951
I-10-4(3)260 &	10-T-264	---	TUCSON - FREEWAY	1957
I-10-5(3)261	---	---	---	---
I-10-4(23)260	10-T-281	---	CASA GRANDE - TUCSON HWY.	1959
I-10-4(20)	D-10-T-292	---	CASA GRANDE - TUCSON HWY.	1960
I-10-4(23)259	D-10-T-296	---	CASA GRANDE - TUCSON HWY.	1960
I-10-5(4)262	D-10-T-290	---	TUCSON - BENSON HWY.	1963
I-10-4-940	D-10-T-352	---	CASA GRANDE - TUCSON HWY.	1986
IR-10-5(64)	D-10-T-362	10 PM 260 H0164 03R	TUCSON - BENSON HWY.	1988
NH-10-4(142)	D-10-T-374	10 PM 258 H3189 01R	CASA GRANDE - TUCSON HWY.	1994
I-10-4-808	D-10-T-383	010 PM 260 H3190 02R	CASA GRANDE - TUCSON HWY.	1999
I 010-E-800	D-10-T-395	010 PM 261 H6348 01R	TUCSON - BENSON HWY.	2004
I 010-E-701	D-10-T-394	010 PM 265 H6373 01R	TUCSON - BENSON HWY.	2006
I-19-1(4)58	D-10-T-282	---	TUCSON - NOGALES HWY	1960
I-19-1(8)49	D-10-T-300	---	TUCSON - NOGALES HWY.	1961
ER-19-1(83)	D-10-T-334	---	NOGALES - TUCSON HWY	1978
ER-19-1(97)	D-10-T-350	---	NOGALES - TUCSON HWY	1984
IR-19-1(88)	D-10-T-341	---	NOGALES - TUCSON HWY	1988
I-19-1-800	D-10-T-381	019 PM 059 H2609 01R	NOGALES - TUCSON HWY	1999
019 PM 049 H7449 01R	D-10-T-400	019 PM 049 H7449 01R	NOGALES - TUCSON HWY	2008

ADOT AS-BUILT PLANS

PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE
U.I. 141(4)	---	---	TUCSON - FREEWAY	1955
F.G.I. 002-4(1)	---	---	TUCSON - BENSON HWY.	1957
U.I. 141(3)	---	---	TUCSON - FREEWAY	1958
I-10-4(22)	---	---	CASA GRANDE - TUCSON HWY.	1963
I-10-5(16)	---	---	TUCSON - BENSON HWY.	1964
I-10-5(28)	---	---	TUCSON - BENSON HWY.	1968
IR-10-5(54)	---	H0164 04 C	TUCSON - BENSON HWY.	1988
I-19-1(5)	---	---	NOGALES - TUCSON HWY.	1965
I-19-1(9)	---	---	NOGALES - TUCSON HWY.	1967
ACNH-19-1(127)	---	019 PM 058	NOGALES - TUCSON HWY.	2003

GLO & BLM PLATS

PLAT NO.	DESCRIPTION	DATE
2048	T.14S. R.13E. ORIGINAL TOWNSHIP SURVEY	1871
2047	T.14S. R.13E. ORIGINAL TRACT SURVEY SECTIONS 2, 3, 10, 11, 14 & 15	---
2045G	T.14S. R.13E. SECTION 14 SURVEY	1875
2040	T.14S. R.13E. DEPENDENT RESURVEY SECTIONS 10, 11, 15, 16 & TRACT 37	1945
2038	T.14S. R.13E. SUBDIVISION OF SECTIONS 27 AND 28	1955
2050	T.14S. R.14E. ORIGINAL TOWNSHIP SURVEY	1876
2117	T.15S. R.13E. ORIGINAL TOWNSHIP SURVEY	1871
2110	T.15S. R.13E. SURVEY OF "RANCHO DE MARTINEZ" AND SURROUNDING LOTS	1891
2108	T.15S. R.13E. RESURVEY OF PAPAGO INDIAN RESERVATION	1921
2107	T.15S. R.13E. SUDIVISION OF PAPAGO INDIAN RESERVATION	1921

UNION PACIFIC RAILROAD

		DATE
	STRIP MAP V - 17 / 1	1881

DUAL COORDINATES FOR ADJACENT R/W PROJECTS TO THE SOUTH AND EAST

I-010-E-701 GAF = 1.00010796			019 PM 057 H5105 01R GAF = 1.00011669			
PT.	NORTHING	EASTING	PT.	NORTHING	EASTING	DESCRIPTION
3	432476.05308	998511.37718	2075	432473.34848	998537.34691	C1/4 COR SEC 30
4	429827.89217	998559.66336	1281	429831.58817	998568.28374	S1/4 COR SEC 30
5	429855.33057	1001201.56555	1475	429859.01040	1001210.18759	SE CORNER SEC 30
600	431159.90602	998535.37561	620	431157.92095	998552.75147	EXIST R/W ℄
601	429848.65933	1000559.22620	333	429852.34313	1000567.85219	EXIST R/W ℄
1310	432499.01786	1001167.79154	1280	432502.76690	1001176.39749	E1/4 COR SEC 30
2009	431319.74640	998288.66914	330	431323.42904	998297.29718	EXIST R/W ℄
019 PM 049 H7449 01R GAF = 1.0001281						
PT.	NORTHING	EASTING				
23	400957.45052	986032.67515	552	400952.86173	986021.23265	EXIST R/W ℄
26	400494.10310	986041.35567	2498	400489.59015	986029.91222	EXIST R/W ℄
133	400487.90548	985624.51246	2610	400483.36994	985613.20052	W1/4 COR SEC 26
1017	400960.24798	986182.47284	677	400955.67155	986171.20633	EXIST R/W RT
1018	400954.64755	985882.58235	678	400950.05192	985871.25897	EXIST R/W LT
2032	400497.73758	986285.80550	2616	400493.24026	986274.44464	1/64 COR SEC 26

ADDITIONAL HUBBARD BASE POINTS

PT.	NORTHING	EASTING	DESCRIPTION
107	413776.08740	988486.97899	SET 1/2" REBAR
1194	432476.82077	996616.21650	FD BCFL PIMA CO
1294	424026.61932	988208.01063	SET 1/2" REBAR

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CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:49:50 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-21

RESULTS OF SURVEY

PUBLIC INFORMATION USED IN PREPARATION OF SURVEY

PIMA COUNTY RECORDER'S OFFICE

TYP.	SEC.	TWP.	RNG.	BOOK	PAGE	DESCRIPTION
RS	11	14S	13E	71	86	AMENDED RECORD OF SURVEY
RS	13	14S	13E	6	17	ALTA SURVEY
RS	13	14S	13E	9	41	RECORD OF SURVEY
RS	13	14S	13E	15	99	RECORD OF SURVEY
RS	13	14S	13E	16	31	RIGHT OF WAY SURVEY
RS	13	14S	13E	39	87	ALTA SURVEY
RS	13	14S	13E	52	46	ALTA SURVEY
MP	14	14S	13E	19	88	ESTABLISHMENT OF SOUTH MISSION ROAD
MP	14	14S	13E	32	62	SENTINEL PEAK MANOR
MP	14	14S	13E	40	66	SENTINEL SHADOWS
MP	14	14S	13E	59	47	PASEO ESTRELLA
MP	14	14S	13E	60	83	MERCADO DISTRICT OF MENLO PARK
RS	14	14S	13E	5	100	RECORD OF SURVEY
RS	14	14S	13E	6	7	RECORD OF SURVEY
RS	14	14S	13E	6	16	ALTA SURVEY
RS	14	14S	13E	23	30	RESULTS OF SURVEY
RS	14	14S	13E	28	7	RECORD OF SURVEY
RS	14	14S	13E	33	81	RESULTS OF SURVEY
RS	14	14S	13E	53	59	RECORD OF SURVEY
RS	14	14S	13E	55	44	ALTA SURVEY
MS	14	14S	13E	0	139	SURVEY MAP
MS	14	14S	13E	0	140	SURVEY MAP
MP	15	14S	13E	8	40	PANORAMA ESTATES "A"
RS	15	14S	13E	6	3	RECORD OF SURVEY
MP	23	14S	13E	18	86	ESTABLISHMENT OF SOUTH MISSION ROAD
MP	23	14S	13E	21	40	COTTONWOOD PARK
MP	23	14S	13E	26	88	STATE INDUSTRIES
MP	23	14S	13E	36	66	COTTONWOOD ESTATES
MP	23	14S	13E	42	75	INTERSTATE COMMERCE CENTER
MP	23	14S	13E	59	21	STARR PASS HEIGHTS SUBDIVISION
RS	23	14S	13E	5	60	RECORD OF SURVEY
RS	23	14S	13E	7	47	RECORD OF SURVEY
RS	23	14S	13E	7	51	RECORD OF SURVEY
RS	23	14S	13E	8	34	RECORD OF SURVEY
RS	23	14S	13E	19	100	RESULTS OF SURVEY
RS	23	14S	13E	21	81	PIMA COUNTY YARD SURVEY
RS	23	14S	13E	23	29	RESULTS OF SURVEY
RS	23	14S	13E	27	8	RECORD OF SURVEY
RS	23	14S	13E	27	30	RECORD OF SURVEY
RS	23	14S	13E	29	32	RECORD OF SURVEY
RS	23	14S	13E	33	56	RECORD OF SURVEY
RS	23	14S	13E	55	58	RECORD OF SURVEY
RS	23	14S	13E	55	76	RECORD OF SURVEY
RS	23	14S	13E	57	89	RECORD OF SURVEY
RS	23	14S	13E	69	86	RECORD OF SURVEY
RS	23	14S	13E	72	72	RECORD OF SURVEY
MS	23	14S	13E	0	492	RESULTS OF SURVEY
MS	23	14S	13E	0	493	SURVEY MAP
MS	23	14S	13E	0	636	RECORD OF SURVEY
MS	23	14S	13E	0	33	SURVEY MAP
MS	23	14S	13E	0	105	SURVEY MAP
MP	24	14S	13E	4	93	HOME ADDITION
MP	24	14S	13E	5	22	HOME ADDITION NO. 2
RS	24	14S	13E	8	43	RECORD OF SURVEY
RS	24	14S	13E	8	73	RIGHT OF WAY SURVEY
RS	24	14S	13E	21	91	RECORD OF SURVEY
RS	24	14S	13E	23	32	RECORD OF SURVEY
MP	25	14S	13E	5	66	VETERAN'S ADDITION
MP	25	14S	13E	6	16	THE RAINBOW ADDITION
MP	25	14S	13E	6	81	BROADWAY OF AMERICA ADDITION
MP	25	14S	13E	6	97	LEE ADDITION
MP	25	14S	13E	7	18	SOUTHGATE
MP	25	14S	13E	7	54	ROSEMARY ADDITION
MP	25	14S	13E	7	97	TALISMAN ADDITION
MP	25	14S	13E	16	22	SOLOMON INDUSTRIAL PARK
MP	25	14S	13E	64	50	CIRCLE K I-10 AND 6TH AVENUE
MP	25	14S	13E	65	2	THE BRIDGES BLOCKS 1-15
RS	25	14S	13E	7	26	RECORD OF SURVEY
RS	25	14S	13E	8	22	ALTA SURVEY
RS	25	14S	13E	14	90	RECORD OF SURVEY
RS	25	14S	13E	20	71	RECORD OF SURVEY
RS	25	14S	13E	20	76	MONUMENT RE-ESTABLISHMENT 6TH AVENUE

PUBLIC INFORMATION USED IN PREPARATION OF SURVEY

PIMA COUNTY RECORDER'S OFFICE

TYP.	SEC.	TWP.	RNG.	BOOK	PAGE	DESCRIPTION
RS	25	14S	13E	46	34	RECORD OF SURVEY
RS	25	14S	13E	48	84	RECORD OF SURVEY
RS	25	14S	13E	56	78	RECORD OF SURVEY
RS	25	14S	13E	62	54	RESULTS OF SURVEY
RS	25	14S	13E	27	64	ALTA SURVEY
RS	25	14S	13E	60	6	RECORD OF SURVEY
MS	25	14S	13E	0	289	PLAT OF SURVEY
MS	25	14S	13E	0	447	BOUNDARY & TOPOGRAPHIC SURVEY
COT	25	14S	13E	I-68-39		C.O.T. 10TH AVE TO 12TH AVE TRANSITION JOB NO. 251
COT	25	14S	13E	I-591		WAKEFIELD IMPROVEMENT DISTRICT 44TH STREET
MP	26	14S	13E	5	71	SUNSET VILLA ADDITION
MP	26	14S	13E	9	28	HI-SCHOOL ADDITION
MP	26	14S	13E	16	27	RIGHT OF WAY DEDICATION PLAT
MP	26	14S	13E	17	38	FREEWAY ACRES BLOCKS 1, 2 & 3
MP	26	14S	13E	35	85	SANTA CRUZ PLAZA LOTS 1 THRU 10
MP	26	14S	13E	37	43	SANTA CRUZ PLAZA LOTS 11 THRU 14
RS	26	14S	13E	6	87	RECORD OF SURVEY
RS	26	14S	13E	7	7	RECORD OF SURVEY
RS	26	14S	13E	10	19	MARSHALL HOME FOR MEN SURVEY
RS	26	14S	13E	13	80	RECORD OF SURVEY
RS	26	14S	13E	14	82	PROPERTY SURVEY
RS	26	14S	13E	14	91	RECORD OF SURVEY
RS	26	14S	13E	29	93	RECORD OF SURVEY
RS	26	14S	13E	58	67	RECORD OF SURVEY
MS	26	14S	13E	0	441	SURVEY MAP
COT	26	14S	13E	S-69-8		MAP OF PROPOSED WIDENING OF 44TH ST.
COT	26	14S	13E	I-70-20		C.O.T. 12TH AVE. 40TH ST TO 44TH ST
MP	35	14S	13E	7	62	NATIONAL CITY ANNEX
MP	35	14S	13E	8	33	LAMAR CITY ACRES
MP	35	14S	13E	9	3	SERRANO VILLA
MP	35	14S	13E	9	11	LA MAR CITY ACRES NO. 2
MP	35	14S	13E	10	10	NATIONAL CITY NO. 12
MP	35	14S	13E	12	67	LAS CASITAS ADDITION
MP	35	14S	13E	14	20	MICHIGAN MANOR
MP	35	14S	13E	22	15	CASITAS DEL SOL
MP	35	14S	13E	22	85	PLAZA DEL SOL
MP	35	14S	13E	29	48	PARQUE DE SANTA CRUZ
MP	35	14S	13E	42	41	IRVINGTON PLAZA
MP	35	14S	13E	43	84	PLACITA DEL RIO
MP	35	14S	13E	54	7	RANCHO RIO II
MP	35	14S	13E	64	94	RIVERFRONT PLAZA
RS	35	14S	13E	19	26	RECORD OF SURVEY
RS	35	14S	13E	33	100	RECORD OF SURVEY
RS	35	14S	13E	43	63	RECORD OF SURVEY
RS	35	14S	13E	53	77	RECORD OF SURVEY
RS	35	14S	13E	63	88	RESULTS OF SURVEY
RS	35	14S	13E	74	67	AMENDED RESULTS OF SURVEY
MP	30	14S	14E	28	25	SOLOMON INDUSTRIAL PARK LOTS 13 THRU 21
MP	30	14S	14E	42	20	INTERSTATE BUSINESS PARK
MP	30	14S	14E	62	70	SOUTH GATE BUSINESS PARK CONDOMINIUMS
RS	30	14S	14E	1	6	RECORD OF SURVEY
RS	30	14S	14E	52	97	RECORD OF SURVEY
RS	30	14S	14E	53	37	RECORD OF SURVEY
RS	30	14S	14E	56	29	RECORD OF SURVEY
RS	30	14S	14E	64	89	RECORD OF SURVEY
MS	30	14S	14E	0	18	PREMINARY MAP FOR DOWNTOWN TUCSON AIRPORT
RM	30	14S	14E	6	25	SOUTH PARK AVENUE ROAD MAP
MP	2	15S	13E	8	47	NATIONAL CITY NO. 8
MP	2	15S	13E	8	85	NATIONAL CITY NO. 9
MP	2	15S	13E	14	30	DREXEL TERRACE NO. 1
MP	2	15S	13E	14	62	DREXEL TERRACE NO. 1 LOTS 232-504
MP	2	15S	13E	19	96	DREXEL TERRACE NO. 2
MP	2	15S	13E	32	38	PARQUE DE SANTA CRUZ RESUBDIVISION
MP	2	15S	13E	53	80	WESTPOINT CROSSING

PUBLIC INFORMATION USED IN PREPARATION OF SURVEY

PIMA COUNTY RECORDER'S OFFICE

TYP.	SEC.	TWP.	RNG.	BOOK	PAGE	DESCRIPTION
MP	2	15S	13E	63	54	TUCSON SPECTRUM
RS	2	15S	13E	6	29	SURVEY OF PART OF NATIONAL CITY NO. 8&9
RS	2	15S	13E	7	68	SURVEY OF INTERSECTION OF 12TH AVE & NEBRASKA
RS	2	15S	13E	35	28	RECORD OF SURVEY
RS	2	15S	13E	37	86	RECORD OF SURVEY
RS	2	15S	13E	62	14	RECORD OF SURVEY
RS	2	15S	13E	71	25	RESULTS OF SURVEY
RS	2	15S	13E	71	83	RECORD OF SURVEY
MP	11	15S	13E	6	38	EL DORADO ACRES
MP	11	15S	13E	9	97	MISSION MANOR NO. 4
MP	11	15S	13E	9	125	AMENDED MAP OF MISSION MANOR NO. 5
MP	11	15S	13E	10	7	AMENDED MAP OF MISSION MANOR NO. 6
MP	11	15S	13E	10	20	MISSION MANOR NO. 7
MP	11	15S	13E	10	27	MISSION MANOR NO. 8
MP	11	15S	13E	11	34	VERANO VISTA
MP	11	15S	13E	20	90	KING-WHEELER CENTER
MP	11	15S	13E	24	15	SANTA CRUZ INDUSTRIAL PARK
MP	11	15S	13E	35	63	CASAS DE SANTA MARIA
RS	11	15S	13E	8	47	RECORD OF SURVEY
RS	11	15S	13E	19	54	RECORD OF SURVEY
RS	11	15S	13E	23	72	RECORD OF SURVEY
RS	11	15S	13E	32	98	RECORD OF SURVEY
RS	11	15S	13E	70	99	RECORD OF SURVEY
MP	14	15S	13E	8	98	MANN ADDITION
MP	14	15S	13E	9	84	MISSION MANOR
MP	14	15S	13E	9	89	MISSION MANOR NO. 2
MP	14	15S	13E	9	118	MISSION MANOR NO. 3
MP	14	15S	13E	14	33	RITA MANOR
MP	14	15S	13E	18	89	SAN XAVIER INDUSTRIAL PARK
MP	14	15S	13E	22	3	LOS REALES HEIGHTS
MP	14	15S	13E	24	9	LOS REALES HEIGHTS NO. 2
MP	14	15S	13E	35	9	OLD MISSION VIEW
MP	14	15S	13E	50	59	LOS SANTOS REALES
MP	14	15S	13E	58	63	HIGH SIERRA ESTATES
RS	14	15S	13E	13	56	MONUMENT REPLACEMENT SURVEY
RS	14	15S	13E	17	30	RECORD OF SURVEY
RS	14	15S	13E	23	10	RECORD OF SURVEY
RS	14	15S	13E	25	11	RECORD OF SURVEY
RS	14	15S	13E	35	20	RECORD OF SURVEY
MS	14	15S	13E	0	599	SURVEY MAP
MS	14	15S	13E	0	598	SURVEY MAP
MS	14	15S	13E	0	134	SURVEY MAP
MS	14	15S	13E	0	37	BOUNDARY SURVEY
MS	14	15S	13E	0	35	SURVEY MAP
MS	14	15S	13E	0	16	SURVEY MAP
MS	14	15S	13E	0	17	SURVEY MAP
COT	14	15S	13E	910	69	C.O.T. FIELD NOTES BOOK 910 PAGE 69
COT	14	15S	13E	1187	66	C.O.T. FIELD NOTES BOOK 1187 PAGES 66-67
MP	15	15S	13E	31	56	AMENDED PLAT OF MIDVALE PARK COMMERCE CENTER
RS	23	15S	13E	24	53	RECORD OF SURVEY
	23	15S	13E			FARM BOUNDARY/ALLOTMENT CORNER SURVEY
	27	15S	13E			PLAT OF SURVEY

RS= RECORD OF SURVEY
MS= MISCELLANEOUS SURVEY
MP= SUBDIVISION MAPS AND PLATS
COT= CITY OF TUCSON

ALL RECORDS NOTED OBTAINED FROM THE CITY OF TUCSON DEPARTMENT OF TRANSPORTATION MAPS AND RECORDS WEBSITE LOCATED AT:
http://tdotmaps/transview.org/MandR/

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelson@hubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:50:21 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-22

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RESULTS OF SURVEY

I-10 EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
646	Note 1	---	645	Note 1	---
391	237+11.68	307.10 LT	354	234+04.41	118.00 RT
392	237+01.13	344.12 LT	355	238+23.21	118.00 RT
393	237+38.26	354.71 LT	356	238+72.21	244.82 RT
921	240+09.33	354.76 LT	357	239+12.59	354.84 RT
394	244+47.26	354.84 LT	358	239+16.10	353.58 RT
395	244+68.00	282.10 LT	359	239+81.08	533.99 RT
396	244+68.00	275.39 LT	923	240+02.80	525.65 RT
397	250+07.41	275.49 LT	360	240+22.48	518.10 RT
398	250+57.42	262.65 LT	361	240+32.12	514.40 RT
399	250+68.59	252.72 LT	922	240+03.44	439.67 RT
400	256+62.97	322.88 LT	362	239+91.36	408.21 RT
401	258+77.68	319.81 LT	3397	239+86.90	409.94 RT
402	265+26.83	283.43 LT	3398	239+50.90	316.83 RT
912-	Radius Pt.	---	364	239+65.54	311.15 RT
403	265+69.06	323.15 LT	363	238+85.77	132.07 RT
404	265+69.15	338.21 LT	925+	Radius Pt.	---
916	266+54.15	337.75 LT	365	238+94.90	118.00 RT
406	267+29.15	337.34 LT	920	240+05.82	118.00 RT
911-	Radius Pt.	---	366	240+88.90	118.00 RT
407	267+79.38	287.06 LT	648	241+02.34	258.06 RT
408	269+84.75	288.02 LT	647	241+31.34	246.81 RT
409	277+68.98	254.73 LT	367	241+19.60	124.53 RT
410	278+26.69	239.74 LT	368	242+87.24	118.00 RT
(7) 414	278+87.85	239.16 LT	369	244+04.29	144.76 RT
910-	Radius Pt.	---	370	243+88.48	159.76 RT
(7) 415	279+13.09	263.95 LT	371	247+78.95	159.67 RT
(7) 416	279+13.34	293.86 LT	372	247+78.95	144.67 RT
(7) 417	279+73.34	293.35 LT	373	251+22.84	144.59 RT
924-	Radius Pt.	---	374	252+19.24	156.47 RT
(7) 418	279+98.84	268.14 LT	375	252+42.84	338.18 RT
423	284+46.98	255.13 LT	376	252+92.84	338.17 RT
424	284+95.64	632.56 LT	377	252+92.81	169.54 RT
1114	294+71.94	415.89 LT	915+	Radius Pt.	---
2433	295+56.92	384.49 LT	378	253+17.80	144.54 RT
660	295+31.34	323.97 LT	379	255+48.02	144.49 RT
(2) 660	14+93.26	503.71 LT	914+	Radius Pt.	---
(2) 661	15+61.27	515.72 LT	380	255+73.03	169.49 RT
(2) 662	17+06.89	526.27 LT	381	255+73.03	185.67 RT
(2) 663	18+69.61	516.70 LT	382	256+38.73	185.66 RT
(2) 2071	19+36.40	542.55 LT	913+	Radius Pt.	---
(2) 664	21+61.68	629.75 LT	383	256+58.88	165.65 RT
664	302+09.87	248.09 LT	384	259+53.07	167.79 RT
426	304+10.85	368.01 LT	385	262+02.65	202.42 RT
427	304+48.79	413.26 LT	386	262+07.32	168.74 RT
2169-	Radius Pt.	---	917	266+51.03	230.30 RT
472	310+75.99	605.53 LT	387	267+63.01	245.84 RT
428	310+68.34	584.69 LT	919+	Radius Pt.	---
429	312+16.15	530.35 LT	388	267+44.94	210.21 RT
430	312+71.70	536.57 LT	918+	Radius Pt.	---
431	312+97.37	548.43 LT	389	268+24.94	141.21 RT
432	314+35.80	497.55 LT	390	275+95.89	148.56 RT
1993	315+07.64	519.08 LT	411	280+27.35	145.56 RT
433	316+46.03	468.19 LT	(7) 411	280+28.55	145.11 RT
434	316+52.72	428.44 LT	(7) 412	280+82.90	151.41 RT
435	317+87.66	368.16 LT	(7) 413	281+64.52	139.34 RT
436	319+82.41	296.57 LT	419	285+33.87	147.72 RT
437	319+80.47	233.35 LT	420	287+85.43	182.33 RT
438	320+40.52	179.31 LT	421	289+88.81	229.26 RT
439	321+08.55	154.30 LT	422	291+52.28	265.40 RT
440	320+97.23	123.50 LT	2132	291+29.01	346.61 RT
2072	321+51.93	123.50 LT	2133	291+94.40	369.19 RT
(8) 2072	317+93.59	76.50 LT	2208	292+59.18	392.98 RT
(8) 481	319+64.43	76.50 LT	665	292+75.84	340.72 RT
(8) 482	319+82.53	125.73 LT	(2) 665	14+31.83	207.85 RT
(8) 483	321+16.25	76.50 LT	(2) 666	22+47.83	255.82 RT
(8) 484	321+93.09	76.50 LT	(2) 667	22+19.27	725.95 RT
(8) 485	322+01.78	97.66 LT	(2) 668	27+19.09	731.17 RT
(8) 486	322+54.78	76.50 LT	(2) 669	27+24.43	813.13 RT
(8) 596	323+19.21	76.50 LT	(2) 670	31+41.14	775.74 RT

I-10 EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
3284-	Radius Pt.	---	(2) 671	35+36.67	875.89 RT
(8) 598	324+41.95	76.50 LT	(2) 672	43+46.86	616.72 RT
(8) 597	323+81.39	106.49 LT	(6) 2411	320+84.47	705.46 RT
(8) 599	324+15.73	168.82 LT	(6) 2070	320+79.81	671.67 RT
(8) 600	325+64.11	102.45 LT	(6) 2069	321+29.21	527.29 RT
(8) 657	326+06.53	76.50 LT	(6) 2068	320+86.48	509.57 RT
3284-	Radius Pt.	---	(6) 518	322+48.29	76.50 RT
3394	332+42.24	76.50 LT	(6) 3382	323+03.61	76.50 RT
(8) 441	334+53.76	76.50 LT	(6) 3377-	Radius Pt.	---
(10) 442	334+60.41	96.50 LT	(6) 590	327+16.96	76.50 RT
(10) 443	336+10.34	96.50 LT	(6) 591	327+87.78	135.26 RT
(10) 444	337+87.06	99.52 LT	(6) 592	328+33.37	169.91 RT
(1) 444	341+61.40	86.97 LT	(6) 593	328+84.14	212.41 RT
(1) 523	347+41.02	121.58 LT	(6) 655	329+27.44	161.01 RT
(1) 524	347+46.15	102.64 LT	(6) 594	329+20.70	154.14 RT
(10) 524	343+93.96	187.99 LT	(6) 595	328+83.21	109.08 RT
(10) 2073	346+72.08	251.85 LT	(6) 656	329+11.67	76.50 RT
(10) 445	348+08.28	272.70 LT	(6) 3377-	Radius Pt.	---
(4) 445	55+92.00	83.88 RT	(6) 517	331+48.77	76.50 RT
(4) 487	55+50.16	50.00 RT	516	332+00.01	138.98 RT
(4) 602	55+05.60	50.00 RT	515	332+75.54	76.50 RT
(4) 603	55+05.60	40.00 RT	514	333+30.03	76.50 RT
(4) 3395	55+05.60	51.19 LT	513	333+45.28	96.50 RT
(4) 446	55+87.25	59.51 LT	527	343+57.28	204.36 RT
(4) 447	56+02.17	75.95 LT	526	343+86.13	194.00 RT
(10) 447	349+69.47	285.96 LT	525	344+79.01	232.55 RT
(10) 448	351+38.72	314.71 LT	2170	347+69.51	184.45 RT
2483-	Radius Pt.	---	494	347+92.37	182.16 RT
(10) 449	351+70.18	290.26 LT	495	348+04.02	261.22 RT
(10) 450	353+24.96	251.38 LT	496	349+92.37	233.34 RT
(10) 451	354+20.32	217.14 LT	3335	350+60.98	222.96 RT
(10) 452	356+18.14	108.89 LT	497	350+53.88	158.73 RT
(11) 455	19+21.31	125.00 LT	498	352+64.60	120.87 RT
(1) 455	366+72.71	100.61 LT	499	355+75.66	99.29 RT
(1) 456	368+19.60	138.11 LT	(11) 500	16+94.75	125.00 RT
(1) 457	368+04.06	175.59 LT	(3) 501	367+22.09	128.49 RT
(11) 457	20+52.66	200.00 LT	(3) 2416	367+30.27	154.74 RT
(11) 459	22+16.39	200.00 LT	(3) 2074	370+16.18	231.72 RT
(1) 459	369+67.80	175.57 LT	(3) 958	370+84.66	250.16 RT
(1) 473	373+51.27	273.19 LT	(3) 502	371+69.47	224.22 RT
(1) 2417	374+13.00	192.55 LT	(3) 528	374+37.52	282.51 RT
(1) 2418	374+24.68	155.00 LT	(3) 529	375+66.89	242.28 RT
(1) 2419	375+45.11	155.00 LT	(3) 530	375+81.37	153.32 RT
(1) 462	375+34.01	190.72 LT	(3) 531	376+80.85	153.32 RT
(1) 463	379+14.86	189.89 LT	(3) 520	377+03.49	226.11 RT
(1) 464	379+14.83	174.89 LT	(3) 519	377+22.59	220.17 RT
2432+	Radius Pt.	---	(3) 503	377+08.39	174.53 RT
(1) 465	383+85.95	173.85 LT	(11) 503	29+11.79	174.53 RT
(1) 466	388+56.30	368.66 LT	(11) 511	29+78.09	200.00 RT
(1) 480	388+80.88	434.50 LT	(11) 2651	40+53.54	287.93 RT
(1) 479	389+24.12	454.66 LT	(11) 609	39+48.99	150.00 RT
(9) 479	76+92.81	40.00 LT	(11) 610	44+52.72	147.96 RT
(9) 2085	84+60.28	40.00 LT	(9) 610	69+94.72	50.00 LT
(9) 606	84+60.28	40.00 RT	(9) 617	67+55.84	50.00 LT
(9) 605	84+12.77	87.50 RT	(9) 618	67+59.51	40.00 LT
(9) 604	81+11.05	87.50 RT	(9) 619	65+81.71	40.00 LT
(9) 489	77+99.29	120.00 RT	(9) 3406	63+56.42	50.00 LT
(9) 467	76+71.47	120.00 RT	(9) 3420	59+66.00	50.00 LT
(1) 467	390+69.47	502.28 LT	(9) 3421	59+47.14	90.29 LT
(1) 468	394+47.06	705.23 LT	(9) 3422	58+99.61	50.00 LT
(1) 2076	394+89.74	697.26 LT	(9) 3423	58+30.10	0.00 RT

I-10 EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
(1) 469	397+74.56	651.08 LT	(9) 3424	57+46.69	60.00 RT
(1) 470	400+98.49	319.06 LT	(9) 3425	57+32.19	72.29 RT
(5) 471	57+51.35	150.00 LT	(9) 3426	60+07.60	106.00 RT
(5) 628	58+95.44	150.00 LT	(9) 3427	61+07.60	106.00 RT
			(9) 3428	61+34.40	137.53 RT
			(9) 3429	62+49.52	40.00 RT
			(9) 641	64+81.57	40.00 RT
			(9) 522	63+77.82	127.89 RT
			(9) 506	67+85.19	127.93 RT
			(3) 506	395+06.98	213.92 RT
			(3) 507	395+06.16	181.93 RT
			(11) 508	56+79.82	150.00 RT
			EQUA	56+79.82 BK	---
				56+90.75 AHD	---
			(5) 508	56+90.75	150.00 RT
			(5) 611	60+94.83	150.00 RT

STATIONS AND OFFSETS ARE FROM THE I-10 EB CENTERLINE UNLESS OTHERWISE NOTED
(1) STATIONS AND OFFSETS ARE FROM THE WB 2011 SURVEY CENTERLINE
(2) STATIONS AND OFFSETS ARE FROM THE 2011 SURVEY RAMP CENTERLINE
(3) STATIONS AND OFFSETS ARE FROM THE EB 2011 SURVEY CENTERLINE
(4) STATIONS AND OFFSETS ARE FROM THE 6TH AVENUE CENTERLINE
(5) STATIONS AND OFFSETS ARE FROM THE EB EXIST R/W CENTERLINE
(6) STATIONS AND OFFSETS ARE FROM THE I-10 EB 1949 CENTERLINE
(7) STATIONS AND OFFSETS ARE FROM THE I-10 EB CENTERLINE SPIRAL TANGENT (POST)
(8) STATIONS AND OFFSETS ARE FROM THE I-10 WB 1949 CENTERLINE
(9) STATIONS AND OFFSETS ARE FROM THE PARK AVENUE CENTERLINE
(10) STATIONS AND OFFSETS ARE FROM THE I-10 WB CENTERLINE
(11) STATIONS AND OFFSETS ARE FROM THE I-10 MEDIAN CENTERLINE

\+ = RIGHT CURVE
\- = LEFT CURVE

Note 1: POINT FALLS OUTSIDE DEFINED CENTERLINE

30' ACCESS ROAD EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
3413	311+38.07	600.49 LT			
3414	311+52.75	640.44 LT			
2169-	Radius Pt.	---			
3415	312+79.50	704.25 LT			
3409	313+17.04	690.45 LT			
2169+	Radius Pt.	---			
3413	311+38.07	600.49 LT			

STATIONS AND OFFSETS ARE FROM THE I-10 EB CENTERLINE UNLESS OTHERWISE NOTED

\+ = RIGHT CURVE
\- = LEFT CURVE

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REVISIONS	CHANGE ORDER REVISIONS			
DATED 2/27/15 FOR MICHAEL BAKER JR., INC.	C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
Professional Land Surveyor AZ No. 21782	N/A	2-27-15	SAN	REVISE OFFSET FOR PT 668
Digitally signed by Scott A. Nelson Date: 2015.06.22 17:41:54 -07'00'				
(Expires 9-30-15) ELECTRONIC SEAL *http://www.btr.state.az.us/*				

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

ORIGINALLY SEALED BY SCOTT A. NELSON R.L.S. NO. 21782 1/30/14 FOR HUBBARD ENGINEERING

SHEET RS-23

6/22/2015 5:31:48 PM H:\PDATA\140212_H8467 Ajo Way TI\CADD\Mapping\Hubbard RDS\019rw057_rs23.dgn

RESULTS OF SURVEY

I-19 EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
678	2986+31.39	150.00 LT	677	2986+31.39	150.00 RT
553+	Radius Pt.	---	553+	Radius Pt.	---
679	3000+18.30	150.00 LT	680	3008+36.68	150.00 RT
(6) 679	4+88.02	35.00 LT	681	3013+00.11	180.00 RT
928-	Radius Pt.	---	682	3016+31.20	150.00 RT
(6) 1557	9+50.58	35.00 LT	(3) 682	104+98.18	75.00 LT
(6) 929	9+50.58	100.00 LT	886-	Radius Pt.	---
928-	Radius Pt.	---	(3) 940	100+29.57	75.00 LT
(6) 2497	10+01.30	100.00 LT	(3) 939	98+29.57	50.00 LT
928-	Radius Pt.	---	(3) 938	95+69.17	50.00 LT
(6) 927	12+67.08	100.00 LT	(3) 937	95+69.17	40.00 LT
(6) 926	14+71.99	100.00 LT	(3) 936	95+69.17	40.00 RT
(3) 926	118+68.53	100.00 LT	(5) 936	1+80.39	99.58 RT
889+	Radius Pt.	---	(5) 1544	2+32.07	34.00 RT
(3) 902	120+30.81	100.00 LT	(5) 934	5+01.69	34.00 RT
(3) 903	120+30.81	40.00 LT	932+	Radius Pt.	---
(3) 904	120+30.81	40.00 RT	(5) 685	9+45.78	34.00 RT
(3) 905	120+30.81	100.00 RT	685	3030+92.06	150.00 RT
(3) 892	118+09.34	220.73 RT	553+	Radius Pt.	---
(3) 893	117+49.56	219.74 RT	2490	3035+48.69	150.00 RT
2164+	Radius Pt.	---	553+	Radius Pt.	---
(3) 891	115+65.00	40.00 RT	686	3043+17.80	150.00 RT
(3) 894	115+00.00	40.00 RT	870	3063+13.14	150.00 RT
(3) 2080	115+00.00	120.00 RT	694	3074+46.66	150.00 RT
(3) 896	113+80.00	120.00 RT	556-	Radius Pt.	---
(3) 897	113+80.00	40.00 RT	871	3090+20.86	150.00 RT
(3) 898	113+42.21	40.00 RT	1499	3090+36.39	245.61 RT
(3) 899	113+33.86	50.00 RT	EQUA	3098+59.97 BK	---
(3) 895	109+74.02	50.00 RT		3098+67.72 AHD	---
(4) 895	Note 1	---	696	3104+52.19	123.48 RT
933+	Radius Pt.	---	697	3104+52.48	135.94 RT
(4) 683	3+12.64	96.80 LT	2218+	Radius Pt.	---
933+	Radius Pt.	---	698	3105+21.37	142.12 RT
(4) 1515	7+30.60	75.00 LT	699	3105+22.98	126.27 RT
(4) 693	16+02.64	75.00 LT	2217+	Radius Pt.	---
693	3028+73.11	200.00 LT	700	3106+57.75	134.98 RT
553+	Radius Pt.	---	701	3106+57.34	141.47 RT
2489	3034+57.53	200.00 LT	702	3110+36.16	170.31 RT
553+	Radius Pt.	---	703	3111+73.29	198.52 RT
687	3043+17.80	200.00 LT	704	3115+62.74	229.61 RT
869	3062+04.86	200.00 LT	866+	Radius Pt.	---
868	3062+20.26	150.00 LT	814	3116+13.36	284.43 RT
689	3063+50.00	150.00 LT	(2) 814	35+66.04	81.17 RT
690	3063+50.00	204.00 LT	(2) 815	37+61.24	77.21 RT
691	3074+46.66	204.00 LT	(2) 816	38+96.85	77.21 RT
556-	Radius Pt.	---	(2) 817	39+03.31	77.08 RT
872	3089+61.01	204.00 LT	(2) 818	40+29.52	69.35 RT
556-	Radius Pt.	---	(2) 820	42+78.47	64.56 RT
791	3098+59.97	204.00 LT	(2) 821	43+27.65	62.22 RT
EQUA	3098+59.97 BK	---	(2) 822	44+69.30	57.25 RT
	3098+67.72 AHD	---	(2) 823	45+45.92	55.71 RT
(9) 791	22+97.34	0.00 RT	(2) 824	46+34.30	55.71 RT
810-	Radius Pt.	---	(2) 853	46+51.12	55.83 RT
(9) 804	17+65.72	0.00 RT	(2) 2139	46+51.03	6.18 RT
802-	Radius Pt.	---	(2) 2223	46+50.83	93.28 LT
(9) 805	12+34.96	0.00 RT	(2) 861	46+39.07	93.25 LT
(9) 806	6+99.94	0.00 RT	860+	Radius Pt.	---
801-	Radius Pt.	---	(2) 859	46+13.94	68.66 LT
(9) 807	4+66.62	0.00 RT	(2) 826	45+16.00	67.38 LT
(2) 807	23+68.93	194.12 RT	(2) 825	42+59.00	114.00 LT
(2) 808	19+64.18	182.38 RT	(2) 819	39+58.63	129.00 LT
(2) 793	19+64.34	94.38 RT	819	3118+10.23	684.99 RT
(2) 792	15+70.59	107.01 RT	1365	3119+74.04	531.03 RT
(2) 2241	15+69.16	86.67 RT	2357	3123+05.53	324.70 RT
(2) 2409	15+70.46	6.68 RT	831	3126+34.41	163.69 RT
(2) 2230	15+72.09	93.31 LT	EQUA	3126+39.22 BK	---
(2) 2233	19+72.19	90.61 LT		3126+32.90 AHD	---
(2) 2238	20+56.31	104.91 LT	709	3129+57.65	130.24 RT
2239-	Radius Pt.	---	2206	3142+77.47	130.44 RT
(2) 811	20+68.21	75.99 LT	2209	3169+60.84	130.02 RT
(2) 812	22+96.00	83.00 LT	3198	3169+61.19	150.02 RT
(2) 813	28+15.00	143.00 LT	761	3171+12.70	149.99 RT

I-19 EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
(2) 705	29+92.60	157.16 LT	762+	Radius Pt.	---
705	3118+48.41	291.00 LT	1369	3192+83.53	150.63 RT
706	3121+10.00	263.00 LT	2329	3195+00.40	245.27 RT
707	3124+44.42	166.72 LT	880	3196+67.31	228.69 RT
708	3126+39.22	150.00 LT	734	3204+59.11	150.00 RT
EQUA	3126+39.22 BK	---	735	3206+00.00	150.00 RT
	3126+32.90 AHD	---	736	3212+31.33	197.82 RT
878	3142+76.75	150.00 LT	737	3214+05.40	256.55 RT
3197	3169+56.38	150.00 LT	738	3215+79.64	353.06 RT
716	3171+23.84	150.00 LT	739	3218+00.22	531.44 RT
559+	Radius Pt.	---	867-	Radius Pt.	---
883	3193+29.40	150.00 LT	740	3221+88.81	661.24 RT
766	3195+49.36	150.00 LT	741	3222+44.18	658.68 RT
879	3196+24.19	185.99 LT	742	3223+05.00	733.33 RT
765	3197+05.54	225.11 LT	2037	3223+09.68	851.70 RT
764	3197+41.66	150.00 LT	2406	3223+67.49	849.33 RT
2460	3207+34.53	150.00 LT	747	3224+25.30	847.11 RT
743	3211+20.66	152.15 LT	748	3224+69.60	659.67 RT
744	3219+13.43	225.50 LT	749	3227+79.12	616.81 RT
745	3222+09.87	294.08 LT	751	3232+81.69	281.03 RT
755	3222+15.12	795.75 LT	752	3234+95.69	194.00 RT
2386	3222+39.96	796.81 LT	753	3236+63.22	149.70 RT
2385	3222+36.32	876.79 LT	965	3249+89.90	149.68 RT
2405	3223+00.37	839.35 LT	966	3249+89.98	199.94 RT
756	3223+64.20	801.74 LT	967	3251+42.71	199.94 RT
746	3224+73.11	304.33 LT	968	3251+42.68	127.33 RT
750	3227+58.80	237.94 LT	969	3252+07.24	117.37 RT
754	3236+62.25	145.30 LT	970	3262+10.45	117.37 RT
2310	3249+89.45	145.32 LT	971+	Radius Pt.	---
983	3249+89.47	159.98 LT	972	3264+12.38	126.19 RT
2381	3251+42.56	159.98 LT	973	3266+24.69	144.76 RT
2165	3251+42.57	145.31 LT	974+	Radius Pt.	---
984	3251+42.58	125.00 LT	975	3268+44.14	244.52 RT
986	3270+31.86	125.00 LT	976-	Radius Pt.	---
987-	Radius Pt.	---	977	3271+47.35	380.75 RT
988	3271+75.31	142.61 LT	978	3274+69.19	634.43 RT
989-	Radius Pt.	---	979+	Radius Pt.	---
2049	3271+84.66	145.19 LT	980	3275+85.95	876.56 RT
989-	Radius Pt.	---	(10) 980	20+76.85	60.00 RT
990	3272+66.03	193.94 LT	(10) 981	23+74.93	60.00 RT
991	3273+61.64	289.55 LT	(10) 982	23+74.93	0.00 RT
992-	Radius Pt.	---	(10) 2042	23+74.93	50.00 LT
993	3275+35.31	706.10 LT	(10) 2207	16+74.44	96.64 LT
(10) 993	4+94.44	118.00 RT	(7) 2207	1+50.00	60.00 RT
(10) 994	1+16.57	118.00 RT	2426+	Radius Pt.	---
(10) 995	1+16.57	160.00 RT	(7) 2045	5+81.50	60.00 RT
(10) 996	Note 1	---	2424+	Radius Pt.	---
(8) 998	0+74.25	30.02 LT	(7) 2047	11+00.47	60.00 RT
(8) 3081	0+85.25	32.46 LT	2047	3284+88.39 AHD	150.00 RT
(8) 3080	3+27.80	30.00 RT	565+	Radius Pt.	---
2007-	Radius Pt.	---	2048	3304+08.40	150.00 RT
(8) 3079	6+00.67	30.00 RT	565+	Radius Pt.	---
(8) 3078	11+73.44	30.00 RT	2000	3315+67.27	150.00 RT
2010-	Radius Pt.	---	2001	3315+92.42	129.68 RT
(8) 2166	15+19.73	30.00 RT	2004	3317+78.75	146.61 RT
2010-	Radius Pt.	---	2005	3318+49.59	220.14 RT
(8) 3077	15+63.04	30.00 RT	2006	3319+43.40	133.70 RT
(8) 3076	20+66.01	30.00 RT	2002	3320+92.89	150.00 RT
EQUA	3283+93.01 BK	---	565+	Radius Pt.	---
	3283+93.10 AHD	---	2078	3328+32.20	150.00 RT

I-19 EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
3076	3291+90.75	123.00 LT	2411	3333+38.90	158.94 RT
565+	Radius Pt.	---			
2041	3302+84.16	123.00 LT			
2040	3302+58.95	183.00 LT			
676	3315+69.18	432.00 LT			
(1) 676	63+02.78	253.16 RT			
(1) 675	60+06.36	205.16 RT			
(1) 674	45+97.74	413.15 RT			
(1) 673	43+11.58	558.97 RT			

STATIONS AND OFFSETS ARE FROM THE 2011 SURVEY CENTERLINE UNLESS OTHERWISE NOTED
(1) STATIONS AND OFFSETS ARE FROM THE 2011 SURVEY RAMP CENTERLINE
(2) STATIONS AND OFFSETS ARE FROM THE VALENCIA ROAD CENTERLINE
(3) STATIONS AND OFFSETS ARE FROM THE SAN XAVIER ROAD CENTERLINE
(4) STATIONS AND OFFSETS ARE FROM THE RAMP S-1 CENTERLINE
(5) STATIONS AND OFFSETS ARE FROM THE RAMP S-2 CENTERLINE
(6) STATIONS AND OFFSETS ARE FROM THE RAMP S-4 CENTERLINE
(7) STATIONS AND OFFSETS ARE FROM THE RAMP M CENTERLINE
(8) STATIONS AND OFFSETS ARE FROM THE F-5 CENTERLINE
(9) STATIONS AND OFFSETS ARE FROM THE F-1 R/W LINE
(10) STATIONS AND OFFSETS ARE FROM THE AJO WAY EXIST R/W CENTERLINE

\+ = RIGHT CURVE
\- = LEFT CURVE

Note 1: POINT FALLS OUTSIDE DEFINED CENTERLINE

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REVISIONS DATED 9/29/14 FOR MICHAEL BAKER JR., INC.
Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2015.06.22 17:42:54 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9-29-14	SAN	REVISE STATION AND OFFSET FOR PTS 967 AND 968. REVISE STATION FOR PTS 2381, 2165 AND 984.

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

ORIGINALLY SEALED BY SCOTT A. NELSON R.L.S. NO. 21782 1/30/14 FOR HUBBARD ENGINEERING

SHEET RS-24

6/22/2015 5:33:07 PM H:\PDATA\140212_H8467 Ajo Way TI\CADD\Mapping\Hubbard RODS\019rw057_rs24.dgn

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RESULTS OF SURVEY

	I-10 EXIST ADOT R/W MONUMENTATION				
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
356	443040.79413	989611.28144	3" A.C. WITH PUNCH MARK	238+72.21	244.82 RT
357	442998.71137	989501.90144	3" A.C. STAMPED "ROW"	239+12.59	354.84 RT
358	442995.22135	989503.21576	3" A.C. WITH PUNCH MARK	239+16.10	353.58 RT
363	443028.98621	989724.22932	3" A.C. STAMPED "ROW"	238+85.77	132.07 RT
364	442946.44586	989546.40801	3" A.C. WITH PUNCH MARK	239+65.54	311.15 RT
366	442826.09861	989741.44942	3" A.C. STAMPED "ROW"	240+88.90	118.00 RT
367	442795.30095	989735.39670	3" A.C. STAMPED "ROW"	241+19.60	124.53 RT
368	442627.78250	989744.52786	3" A.C. STAMPED "ROW"	242+87.24	118.00 RT
370	442525.90653	989704.34424	3" A.C. STAMPED "ROW"	243+88.48	159.76 RT
372	442135.71778	989725.49292	3" A.C. WITH PUNCH MARK	247+78.95	144.67 RT
373	441791.87045	989730.91043	3" A.C. STAMPED "ROW"	251+22.84	144.59 RT
374	441695.29767	989720.52809	3" A.C. STAMPED "EL=2380.79 ROW"	252+19.24	156.47 RT
377	441621.53360	989708.59710	3" A.C. WITH PUNCH MARK	252+92.81	169.54 RT
378	441596.93014	989733.98648	3" A.C. STAMPED "ROW"	253+17.80	144.54 RT
381	441341.09707	989696.82279	3" A.C. STAMPED "ROW 255+73.03"	255+73.03	185.67 RT
382	441275.40514	989697.85252	3" A.C. WITH PUNCH MARK	256+38.73	185.66 RT
383	441255.57285	989718.17282	3" A.C. STAMPED "256+58.88"	256+58.88	165.65 RT
384	440961.38037	989720.59925	3" A.C. WITH PUNCH MARK	259+53.07	167.79 RT
386	440707.14625	989723.59559	3" A.C. WITH PUNCH MARK	262+07.32	168.74 RT
388	440168.95126	989690.47007	3" A.C. STAMPED "EL=2364.46"	267+44.94	210.21 RT
389	440090.02794	989760.70837	3" A.C. STAMPED "ROW"	268+24.94	141.21 RT
390	439319.05673	989765.32519	3" A.C. STAMPED "ROW"	275+95.89	148.56 RT
391	443209.87115	990160.64337	3" A.C STAMPED "EL=2353.53"	237+11.68	307.10 LT
394	442475.12074	990219.79458	3" A.C. WITH PUNCH MARK	244+47.26	354.84 LT
395	442453.25423	990147.38524	3" A.C. WITH PUNCH MARK	244+68.00	282.10 LT
396	441913.80662	990149.14824	3" A.C STAMPED "ROW EL=2354.52"	244+68.00	275.39 LT
397	441863.60335	990137.08599	3" A.C. WITH PUNCH MARK	250+07.41	275.49 LT
398	441852.28057	990127.33056	3" A.C. WITH PUNCH MARK	250+57.42	262.65 LT
401	441044.32934	990206.97038	3" A.C. STAMPED "ROW"	258+77.68	319.81 LT
402	440394.69548	990180.67067	3" ADOT A.C.	265+26.83	283.43 LT
403	440353.07946	990221.03918	3" A.C. WITH PUNCH MARK	265+69.06	323.15 LT
406	440193.23865	990237.71011	3" A.C. WITH PUNCH MARK	267+29.15	337.34 LT
408	439936.89928	990192.36708	3" A.C. STAMPED "ROW"	269+84.75	288.02 LT
(7) 411	438886.50239	989775.49010	3" A.C. WITH PUNCH MARK	280+28.55	145.11 RT
(7) 413	438750.63833	989783.36980	3" A.C. WITH PUNCH MARK	281+64.52	139.34 RT
(7) 415	439008.30049	990182.70464	3" A.C. WITH PUNCH MARK	279+13.09	263.95 LT
(7) 416	439008.50999	990212.61807	3" A.C. WITH PUNCH MARK	279+13.34	293.86 LT
419	438363.98415	989815.50913	3" A.C. STAMPED "EL=2374.42 ROW"	285+33.87	147.72 RT
423	438502.79826	990203.24167	3" ADOT A.C.	284+46.98	255.13 LT
(4) 445	433390.38019	993403.41439	3" ADOT A.C. STAMPED "762 351+19.56 PLS19817 2007"	55+92.00	83.88 RT
(4) 446	433397.40772	993546.71537	3" AHD B.C.	55+87.25	59.51 LT
(4) 447	433382.74659	993563.38310	3" AHD B.C.	56+02.17	75.95 LT
(10) 447	433382.74659	993563.38310	3" AHD B.C.	349+69.47	285.96 LT
(10) 448	433385.46969	993743.77660	3" AHD B.C.	351+38.72	314.71 LT
(10) 449	433355.99502	993772.50565	3" ADOT A.C. STAMPED "1992"	351+70.18	290.26 LT
(10) 450	433288.92491	993925.11513	3" AHD B.C.	353+24.96	251.38 LT
(10) 451	433235.61358	994015.56403	3" ADOT A.C. STAMPED "1992"	354+20.32	217.14 LT
(10) 452	433084.53062	994189.57046	A.C. STEM IN CONCRETE	356+18.14	108.89 LT
(11) 455	432880.44656	994882.84569	3" ADOT A.C. STAMPED "1992"	19+21.31	125.00 LT
(1) 456	432874.95838	995034.34923	3" ADOT A.C. STAMPED "1992"	368+19.60	138.11 LT
(11) 459	432869.06496	995187.09449	3" ADOT A.C. STAMPED "1992"	22+16.39	200.00 LT
(1) 462	432723.78195	995734.55247	3" ADOT A.C. STAMPED "1992"	375+34.01	190.72 LT
(1) 463	432615.48557	996099.68706	3" ADOT A.C. STAMPED "1992"	379+14.86	189.89 LT
(1) 464	432601.10397	996095.42438	3" ADOT A.C. STAMPED "1992"	379+14.83	174.89 LT
(1) 465	432452.32981	996552.56068	3" ADOT A.C. STAMPED "1992"	383+85.95	173.85 LT
(1) 466	432457.55276	997076.25270	3" ADOT A.C. STAMPED "1992"	388+56.30	368.66 LT
(4) 467	432489.48176	997335.92756	3" ADOT A.C. STAMPED "1992"	390+69.47	502.28 LT
(1) 468	432494.02138	997791.06218	3" ADOT A.C. STAMPED "1992"	394+47.06	705.23 LT
(1) 469	432276.05612	998078.42429	3" ADOT A.C. STAMPED "1992"	397+74.56	651.08 LT
(1) 470	431814.10425	998202.80340	3" ADOT A.C. STAMPED "1992"	400+98.49	319.06 LT
(1) 473	432854.48051	995582.52880	3" ADOT A.C. STAMPED "1992"	373+51.27	273.19 LT
(4) 479	432508.55380	997175.64061	3" ADOT A.C. STAMPED "1992"	389+24.12	454.66 LT
(1) 480	432508.05506	997125.75561	3" ADOT A.C. STAMPED "1992"	388+80.88	434.50 LT
(4) 487	433432.75321	993436.62534	3" ADOT A.C. STAMPED "761 351+42.18 PLS19817 2007"	55+50.16	50.00 RT
(4) 488	433588.54590	993524.16110	3" ADOT A.C. STAMPED "20 53+95.61 PLS 19817 2007"	53+95.78	40.00 LT

	I-10 EXIST ADOT R/W MONUMENTATION				
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
498	432901.61917	993773.59330	3" ADOT A.C. STAMPED "1992"	352+64.60	120.87 RT
499	432857.47609	994075.59183	3" ADOT A.C. STAMPED "1992"	355+75.66	99.29 RT
(11) 500	432704.60167	994594.90749	3" ADOT A.C. STAMPED "1992"	16+94.75	125.00 RT
(3) 502	432393.41476	995210.19103	3" ADOT A.C. STAMPED "1992"	371+69.47	224.22 RT
513	433625.32101	991987.97000	3" ADOT A.C. STAMPED "1992"	333+45.28	76.50 RT
518	434498.66846	991279.33498	3" ADOT A.C.	322+48.29	76.50 RT
(9) 522	431195.74650	997359.62318	3" ADOT A.C. STAMPED "1992"	63+77.86	127.89 RT
526	432989.18337	992873.18567	3" AHD B.C.	343+86.13	194.00 RT
527	432989.23992	992839.68580	CONCRETE REMAINS OF AHD MONUMENT	343+57.28	204.36 RT
(3) 528	432261.83594	995450.88610	3" ADOT A.C. STAMPED "1992"	374+37.52	282.51 RT
(4) 602	433477.30758	993435.91736	PK NAIL WITH TAG STAMPED "PLS 19817"	55+05.60	50.00 RT
(4) 603	433477.46647	993445.91610	CHISELED "X" IN CONCRETE	55+05.60	40.00 RT
(2) 660	437541.03209	990532.50504	3" ADOT A.C. STAMPED "501 14+93.25 LS18222 2008"	14+93.26	503.71 LT
(2) 661	437474.01401	990549.19790	3" ADOT A.C. STAMPED "226 15+61.27 LS18222 2008"	15+61.27	515.72 LT
(2) 662	437329.47506	990569.81292	3" ADOT A.C. STAMPED "223 17+06.89 LS18222 2008"	17+06.89	526.27 LT
(2) 663	437166.48304	990571.54121	3" ADOT A.C. STAMPED "4025 18+69.61 LS18222 2008"	18+69.61	516.70 LT
(2) 664	436882.94859	990704.55775	3" ADOT A.C. STAMPED "424 21+61.68 LS18222 2008"	21+61.68	629.75 LT
(2) 665	437553.00874	989818.39782	3" ADOT A.C. STAMPED "4009 14+31.83 LS18222 2008"	14+31.83	207.85 RT
(2) 670	435980.91907	989283.18748	3" ADOT A.C. STAMPED "1063 31+41.14 LS18222 2008"	31+41.14	775.74 RT
(2) 1005	436739.52205	989827.10495	3" ADOT A.C. STAMPED "60064 RM 4.00 LS18222 2008"	22+43.96	255.53 RT
(2) 1006	436735.47694	989823.09448	3" ADOT A.C. STAMPED "60064 RM 4.00 LS18222 2008"	22+47.72	259.81 RT
1012	435767.42455	991423.55440	3" AHD B.C.	315+09.23	518.29 LT
(1) 1014	433405.87966	993019.75458	3" ADOT A.C. STAMPED "1992"	347+41.16	122.07 LT
(1) 1015	433386.38096	993019.77429	3" ADOT A.C. STAMPED "1992"	347+45.97	103.16 LT
1018	436197.57671	991327.29366	3" AHD B.C.	310+73.21	583.01 LT
1031	443091.56110	989737.22406	3" A.C. STAMPED "ROW"	238+23.40	118.10 RT
1035	443019.89659	989738.30763	3" A.C. WITH PUNCH MARK	238+95.08	118.13 RT
1037	443220.89422	990197.33913	3" A.C. STAMPED "ROW"	237+01.23	343.96 LT
1043	442510.22423	989719.71342	3" A.C. STAMPED "EL=2356.67 ROW"	244+04.40	144.64 RT
1045	442135.63580	989710.58145	3" A.C. WITH PUNCH MARK	247+78.80	159.58 RT
1049	441618.56588	989540.14245	3" A.C. WITH PUNCH MARK	252+93.16	338.02 RT
1057	440150.41802	989655.30922	3" A.C. WITH PUNCH MARK	267+62.92	245.66 RT
1069	440353.15733	990235.88197	3" A.C. WITH PUNCH MARK	265+69.22	337.99 LT
1071	440142.09219	990187.96691	3" A.C. STAMPED "ROW"	267+79.51	286.81 LT
1074	443969.83443	990148.23907	3" A.C. WITH PUNCH MARK	Note 1	---
(7) 1076	438832.12080	989770.22877	3" A.C. WITH PUNCH MARK	280+82.84	151.21 RT
(7) 1078	439033.34196	990157.48037	3" A.C. WITH PUNCH MARK	278+87.66	239.11 LT
(7) 1081	438948.68277	990212.98801	3" A.C. WITH PUNCH MARK	279+73.17	293.30 LT
(7) 1082	438922.79633	990188.25827	3" A.C. WITH PUNCH MARK	279+98.67	268.17 LT
1083	439094.51267	990156.89852	3" A.C. WITH PUNCH MARK	278+26.48	239.48 LT
1085	438099.74622	989828.39159	3" A.C. STAMPED "ROW"	287+85.39	181.99 RT
1086	437880.42505	989833.56419	3" A.C. WITH PUNCH MARK	289+88.83	228.71 RT
1088	438509.02057	990582.95195	3" ADOT A.C.	284+95.36	632.49 LT
(2) 1134	435697.82867	989122.41740	3" ADOT A.C. STAMPED "4005 35+36.54 LS18222 2008"	35+36.65	875.71 RT
(2) 1135	434997.90602	989132.39690	3" ADOT A.C. STAMPED "4004 43+46.92 LS18222 2008"	43+47.03	616.61 RT
1137	436043.61744	991329.95333	3" AHD B.C.	312+17.85	530.17 LT
1139	435974.32867	991376.19303	3" AHD B.C.	312+99.12	548.43 LT
1140	435826.73449	991378.13505	3" AHD B.C.	314+37.56	497.22 LT
1141	435451.72944	991383.68379	3" AHD B.C.	317+89.52	367.66 LT
1144	435075.65593	991299.36866	3" AHD B.C.	321+10.19	153.86 LT
(6) 1151	434082.25433	991529.65455	3" ADOT A.C. STAMPED "1992"	327+16.88	75.84 RT
(8) 1159	433749.88202	992204.50803	3" ADOT A.C. STAMPED "1992"	334+51.85	75.28 LT
(10) 1160	433749.94351	992221.90581	3" ADOT A.C. STAMPED "1992"	334+60.18	96.33 LT
(1) 1161	433560.28310	992484.71120	3" ADOT A.C. STAMPED "1992"	341+61.35	87.56 LT
(10) 1162	433662.12024	992343.72775	3" ADOT A.C. STAMPED "1992"	336+10.34	98.86 LT
1168	433650.69104	991986.48131	3" ADOT A.C. STAMPED "1992"	333+29.06	77.10 RT
1169	433682.93124	991943.62932	3" ADOT A.C. STAMPED "1992"	332+75.96	77.18 RT
1170	433681.57572	991844.13228	3" ADOT A.C. STAMPED "1992"	332+00.14	139.15 RT
1195	432910.22141	993776.94664	3" ADOT A.C.	352+66.34	111.79 RT
(3) 1218	432262.74705	995541.25485	3" ADOT A.C. STAMPED "1992"	375+23.95	256.13 RT
(3) 1223	432389.16815	994811.52282	3" ADOT A.C. STAMPED "1992"	367+88.21	340.82 RT
(9) 1758	430762.66783	997146.87749	3" ADOT A.C. STAMPED "1992"	59+47.29	89.96 LT
(11) 1824	432008.94624	996721.31284	3" ADOT A.C. STAMPED "1992"	39+48.05	152.48 RT
(9) 1825	431810.58010	997174.16068	3" ADOT A.C. STAMPED "1992"	69+94.81	50.28 LT
(2) 1889	436317.85499	989278.40143	3" ADOT A.C. STAMPED "60061 RM 5.00 LS18222 2008"	27+18.10	813.42 RT

CONTINUED ON RS-28

STATIONS AND OFFSETS ARE FROM THE I-10 EB CENTERLINE UNLESS OTHERWISE NOTED

(1) STATIONS AND OFFSETS ARE FROM THE WB 2011 SURVEY CENTERLINE
(2) STATIONS AND OFFSETS ARE FROM THE 2011 SURVEY RAMP CENTERLINE
(3) STATIONS AND OFFSETS ARE FROM THE EB 2011 SURVEY CENTERLINE
(4) STATIONS AND OFFSETS ARE FROM THE 6TH AVENUE CENTERLINE
(5) STATIONS AND OFFSETS ARE FROM THE EB EXIST R/W CENTERLINE
(6) STATIONS AND OFFSETS ARE FROM THE I-10 EB 1949 CENTERLINE
(7) STATIONS AND OFFSETS ARE FROM THE I-10 EB CENTERLINE SPIRAL TANGENT (POST)
(8) STATIONS AND OFFSETS ARE FROM THE I-10 WB 1949 CENTERLINE
(9) STATIONS AND OFFSETS ARE FROM THE PARK AVENUE CENTERLINE
(10) STATIONS AND OFFSETS ARE FROM THE I-10 WB CENTERLINE
(11) STATIONS AND OFFSETS ARE FROM THE I-10 MEDIAN CENTERLINE

Note 1: POINT FALLS OUTSIDE DEFINED CENTERLINE

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:52:23 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-25

Click here for I 10 Index

RESULTS OF SURVEY

	I-19 EXIST ADOT R/W MONUMENTATION					
	PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
(1)	674	434683.85477	989200.54324	3" ADOT A.C. STAMPED "LS 18222 4002 45+97.74"	45+97.74	413.15 RT
(1)	675	433920.47459	989044.41391	3" ADOT A.C. STAMPED "LS 18222 4001 60+06.36"	60+06.36	205.16 RT
(1)	676	433678.28035	988866.90118	3" ADOT A.C. STAMPED "LS 18222 4000 63+02.78"	63+02.78	253.16 RT
	677	400955.67155	986171.20633	3" AHD B.C.	2986+31.39	150.00 RT
	678	400950.05192	985871.25897	3" AHD B.C.	2986+31.39	150.00 LT
	690	408576.35205	987118.72739	CONCRETE REMAINS OF AHD MONUMENT	3063+50.00	204.00 LT
	691	409630.65170	987420.58489	3" AHD B.C.	3074+46.66	204.00 LT
	694	409533.21271	987760.91068	3" AHD B.C.	3074+46.66	150.00 RT
	702	413118.02898	988224.32619	3" ADOT B.C. STAMPED "3110+36.16 2486.94 2002"	3110+36.16	170.31 RT
	703	413255.64145	988250.07981	3" ADOT B.C. STAMPED "3111+73.29 2488.84 2002"	3111+73.29	198.52 RT
	704	413645.58235	988274.20177	3" ADOT B.C. STAMPED "3115+62.86 2489.86 2002"	3115+62.74	229.61 RT
	705	413921.90096	987748.56700	3" ADOT B.C. STAMPED "3118+48.41 2484.46 2002"	3118+48.41	291.00 LT
	706	414183.94978	987771.88532	3" ADOT B.C. STAMPED "3121+10 2480.95 2002"	3121+10.00	263.00 LT
	707	414520.03780	987862.17054	3" ADOT B.C. STAMPED "3124+44.42 2485.44 2002"	3124+44.42	166.72 LT
	708	414715.10561	987875.40486	3" ADOT B.C.	3126+39.22	150.00 LT
	716	419205.32208	987795.10745	3" AHD B.C.	3171+23.84	150.00 LT
	744	423998.58083	987975.02481	3" ADOT A.C	3219+13.43	225.50 LT
	745	424294.00713	987917.41208	B.C STEM IN CONCRETE	3222+09.87	294.08 LT
	791	411961.08036	987829.02790	3" AHD B.C.	3098+59.97	204.00 LT
(2)	811	413778.76895	986828.85584	3" ADOT B.C. STAMPED "20+68.35 24xx.93 2002"	20+68.21	75.99 RT
(2)	812	413797.98171	987053.55588	3" ADOT B.C. STAMPED "22+96 2492.57 2002"	22+96.00	83.00 LT
(2)	813	413899.37905	987568.32413	3" ADOT B.C. STAMPED "28+15 2482.74 2002"	28+15.00	143.00 LT
(2)	814	413697.17762	988328.10822	3" ADOT B.C. STAMPED "35+66.05 2489.11 2002"	35+66.04	81.17 RT
(2)	815	413700.65067	988521.29323	3" ADOT B.C. STAMPED "37+61.24 2490.63 2002"	37+61.24	77.21 RT
(2)	819	413901.17407	988725.08490	3" ADOT B.C. STAMPED "39+58.63 2490.73 2002"	39+58.63	129.00 LT
(2)	825	413872.23191	989023.64171	3" ADOT B.C. STAMPED "42+59 2492.65 2002"	42+59.00	114.00 LT
	868	408436.75900	987134.93008	3" AHD B.C.	3062+20.26	150.00 LT
(3)	903	403005.76759	985104.85462	3" ADOT A.C. STAMPED "STA 120+30.81 1986"	120+30.81	40.00 LT
(3)	905	403140.26676	985065.99626	3" ADOT A.C. STAMPED "STA 120+30.81 1986"	120+30.81	100.00 RT
(6)	927	402899.47314	985459.77769	3" ADOT A.C. STAMPED "STA 12+67.08 PT 1986"	12+67.08	100.00 LT
(6)	929	402707.53051	985666.44893	3" ADOT A.C.	9+50.58	100.00 LT
(5)	934	404933.43213	986701.74935	3" AHD B.C.	5+01.69	34.00 RT
(3)	936	404676.40274	986905.21192	CONCRETE REMAINS OF AHD MONUMENT	95+69.17	40.00 RT
	983	427062.86263	988043.88861	3" AHD B.C.	3249+89.47	159.98 LT
(1)	1136	434998.76545	989197.37770	3" ADOT A.C. STAMPED "LS 18222 4005 43+11.63"	43+11.74	558.88 RT
(7)	1286	429823.48236	988653.01123	3" AHD B.C.	1+50.00	59.82 RT
(7)	1287	430563.96496	988322.31594	3" AHD B.C.	11+03.16	60.27 RT
	1295	432357.12581	988361.52213	3" ADOT A.C. STAMPED "LS 18222 632 77+00.55"	3302+59.43	182.67 LT
	1309	425735.85488	988071.94086	3" AHD B.C.	3236+62.26	144.30 LT
	1311	429212.87819	988614.62765	3" AHD B.C.	3271+34.07	430.78 RT
	1312	429253.96462	988656.31179	3" AHD B.C.	3271+74.77	472.84 RT
	1313	429304.61725	988735.00982	3" AHD B.C.	3272+24.68	552.01 RT
	1314	429360.65111	988734.44375	3" AHD B.C.	3272+80.72	551.97 RT
	1316	427216.59829	988077.56798	3" AHD B.C.	3251+42.88	124.87 LT
	1317	429073.09556	988059.69951	CONCRETE REMAINS OF AHD MONUMENT	3269+99.47	125.43 LT
	1318	429197.32893	988045.89893	3" AHD B.C.	3271+23.82	138.07 LT
	1319	429196.89936	987993.81247	3" AHD B.C.	3271+23.88	190.16 LT
	1321	429383.49245	987859.65869	3" AHD B.C.	3273+11.71	322.57 LT
(8)	1327	430450.72895	987829.38603	3" AHD B.C.	11+73.39	30.06 LT
(8)	1328	430795.73793	987971.02644	3" AHD B.C.	15+62.95	29.93 LT
	1329	431291.98040	988053.83327	3" AHD B.C.	3291+90.80	182.60 LT
	1333	422820.60918	987971.86799	3" AHD B.C.	3207+30.87	150.03 LT
	1337	423209.41254	988000.05327	3" AHD B.C.	3211+20.68	152.36 LT
	1339	424554.10244	987913.39516	3" ADOT A.C.	3224+73.23	304.61 LT
	1340	425739.73677	988367.78318	3" AHD B.C.	3236+63.38	151.57 RT
	1341	425359.39540	988500.69269	3" ADOT A.C.	3232+81.82	280.92 RT
	1342	424850.43801	988838.42609	3" ADOT A.C.	3227+79.12	616.63 RT
	1343	424531.82684	988877.25662	3" ADOT A.C.	3224+69.65	659.51 RT
	1344	424482.26506	989064.20944	3" ADOT A.C.	3224+25.37	847.43 RT
	1345	427066.22954	988355.07870	3" AHD B.C.	3249+89.93	151.23 RT
	1346	427219.49043	988402.17519	3" AHD B.C.	3251+42.75	199.75 RT
	1347	427219.06438	988368.22223	CONCRETE REMAINS OF AHD MONUMENT	3251+42.64	165.80 RT
	1351	428413.57175	988376.10515	3" AHD B.C.	3263+37.02	184.81 RT
	1352	428563.73127	988374.78700	3" AHD B.C.	3264+87.19	184.90 RT
	1353	428563.97830	988434.64498	CONCRETE REMAINS OF AHD MONUMENT	3264+86.88	244.75 RT

	I-19 EXIST ADOT R/W MONUMENTATION					
	PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
	1354	428363.68993	988376.53820	3" AHD B.C.	3262+87.14	184.78 RT
(2)	1363	413821.86824	989276.69923	3" ADOT B.C. STAMPED "45+16 2493+56 2002"	45+15.93	67.86 LT
	1365	414062.21228	988568.21557	3" AHD B.C.	3119+74.04	531.03 RT
	1369	421354.48312	988158.38575	3" AHD B.C.	3192+83.53	150.63 RT
	1370	422666.53820	988260.90971	3" ADOT A.C.	3205+99.89	150.19 RT
	1371	423293.12731	988357.73001	3" ADOT A.C.	3212+31.18	197.93 RT
	1372	423464.21927	988428.15722	3" ADOT A.C.	3214+05.04	256.27 RT
	1373	423634.87519	988535.47875	3" ADOT A.C.	3215+79.71	352.79 RT
	1374	423849.77826	988725.66294	3" ADOT A.C.	3218+00.21	531.21 RT
	1375	424243.02314	988871.33293	3" ADOT A.C.	3221+88.88	660.97 RT
	1376	424300.01679	988870.51084	3" ADOT A.C.	3222+44.23	658.41 RT
	1377	411092.23776	988093.43317	3" AHD B.C.	3090+21.38	150.05 RT
(2)	1401	413580.51909	986339.22747	3" ADOT B.C. STAMPED "15+70.94 2462.62 2002"	15+71.05	106.94 RT
	1426	412529.00837	988193.81787	3" ADOT B.C. STAMPED "3104+52.48 2481.32 2002"	3104+52.47	136.37 RT
	1428	412598.72750	988200.86669	3" ADOT B.C. STAMPED "3105+21.37 2480.83 2002"	3105+21.44	142.43 RT
	1429	412600.46170	988185.04584	3" ADOT B.C. STAMPED "3105+22.98 2002"	3105+22.98	126.59 RT
	1430	412736.75861	988194.47895	3" ADOT B.C. STAMPED "3106+57.75 2483.14 2002"	3106+57.78	135.34 RT
	1431	412736.41157	988200.81768	3" ADOT B.C. STAMPED "3106+57.34 2482.05 2002"	3106+57.44	141.67 RT
	1437	408561.30343	987170.58448	3" AHD B.C.	3063+49.81	150.00 LT
(4)	1515	404374.82599	985945.60557	3" AHD B.C.	7+30.60	75.00 LT
	1539	407744.13511	986936.54619	3" AHD B.C.	3054+99.78	150.08 LT
	1540	406620.61202	986562.89359	CONCRETE REMAINS OF AHD MONUMENT	3043+16.82	200.04 LT
	1541	406523.63671	986899.32785	3" AHD B.C.	3043+16.17	150.09 RT
(5)	1542	405344.79917	986603.12429	3" AHD B.C.	9+44.39	34.43 RT
(5)	1544	404692.81409	986823.39599	3" AHD B.C.	2+32.07	34.00 RT
(3)	1546	404622.84393	986964.69547	3" AHD B.C.	95+68.83	39.94 LT
(3)	1547	404616.08014	986971.72929	3" AHD B.C.	95+69.12	49.70 LT
(3)	1548	404423.31965	986796.95790	3" AHD B.C.	98+29.31	49.66 LT
(3)	1549	404258.22839	986680.90936	3" AHD B.C.	100+29.57	74.55 LT
	1550	403919.71389	986348.39256	3" AHD B.C.	3016+31.31	149.98 RT
	1551	403593.66585	986335.51406	3" AHD B.C.	3013+03.50	179.34 RT
(3)	1552	403655.09202	986011.40925	3" AHD B.C.	109+24.38	50.18 RT
	1553	403357.42229	986012.60039	3" AHD B.C.	3010+31.64	114.64 LT
	1554	403336.05279	985973.14278	3" AHD B.C.	3010+06.38	151.62 LT
	1555	402576.76720	985909.28233	3" AHD B.C.	3002+50.35	150.30 LT
	1556	402344.05005	985895.57573	3" AHD B.C.	3000+19.04	150.08 LT
(6)	1557	402747.20909	985717.93301	3" AHD B.C.	9+50.58	35.00 LT
(6)	1559	403014.61329	985284.55444	3" ADOT B.C. STAMPED "STA 14+80.33 1986"	14+76.74	100.29 LT
(3)	1560	402948.16153	985121.73544	3" ADOT A.C. STAMPED "STA 120+30.81 PT 1986"	120+30.60	100.03 LT
(3)	1563	403321.64611	985188.56124	3" ADOT B.C. STAMPED "STA 118+00 1986"	118+10.22	220.73 RT
(4)	1564	405204.52680	986214.97300	3" AHD B.C.	16+02.93	74.95 LT
	1572	407757.88372	986888.49358	3" AHD B.C.	3054+99.78	200.06 LT
	1573	403358.08836	986009.91307	3" AHD B.C.	3010+32.01	117.39 LT
	1656	425572.68628	988411.78831	3" ADOT A.C.	3234+95.93	194.01 RT
	1747	433342.11179	989317.05094	3" AHD B.C.	3315+93.54	129.26 RT
	1748	434140.38393	990210.57019	3" AHD B.C.	3328+32.98	150.45 RT
	1828	419008.83944	988078.66045	CONCRETE REMAINS OF AHD MONUMENT	3169+22.32	129.99 RT
	1829	419043.54849	989048.27258	CONCRETE REMAINS OF AHD MONUMENT	3169+39.68	1100.07 RT
	1830	419156.43266	989044.23511	CONCRETE REMAINS OF AHD MONUMENT	3170+52.62	1098.05 RT
(8)	2306	429873.50619	987290.26746	3" AHD B.C.	3+26.89	29.86 LT
(8)	2309	429794.23949	987034.31276	3" AHD B.C.	0+74.11	31.00 LT
(7)	2311	430059.96370	988402.54269	3" AHD B.C.	5+81.09	60.04 RT
	2324	418962.50718	987799.32195	3" AHD B.C.	3168+80.99	150.13 LT
	2325	419133.05041	988096.28318	3" AHD B.C.	3170+46.19	149.84 RT
	2326	419103.76483	987547.13389	3" AHD B.C.	3170+26.73	399.75 LT
	2327	419113.76050	987546.80041	CONCRETE REMAINS OF AHD MONUMENT	3170+36.73	399.90 LT
	2328	419122.51975	987796.50049	3" AHD B.C.	3170+41.02	150.09 LT
	2329	421562.97766	988269.64111	CONCRETE REMAINS OF AHD MONUMENT	3195+00.40	245.27 RT
	2357	414389.95611	988355.99900	3" AHD B.C.	3123+05.53	324.70 RT
	2375	424459.35133	987414.81794	ADOT ANGLE IRON	3223+65.09	801.02 LT
	2378	424835.54598	987983.61384	3" ADOT A.C.	3227+58.95	238.07 LT
	2381	427215.95930	988042.46128	3" AHD B.C.	3251+42.56	159.98 LT
	2382	424314.65218	987417.94314	ADOT ANGLE IRON	3222+15.32	793.95 LT
	2384	432362.49380	988727.04372	3" AHD B.C.	3304+10.97	149.80 RT

STATIONS AND OFFSETS ARE FROM THE 2011 SURVEY CENTERLINE UNLESS OTHERWISE NOTED

(1) STATIONS AND OFFSETS ARE FROM THE 2011 SURVEY RAMP CENTERLINE
(2) STATIONS AND OFFSETS ARE FROM THE VALENCIA ROAD CENTERLINE
(3) STATIONS AND OFFSETS ARE FROM THE SAN XAVIER ROAD CENTERLINE
(4) STATIONS AND OFFSETS ARE FROM THE RAMP S-1 CENTERLINE
(5) STATIONS AND OFFSETS ARE FROM THE RAMP S-2 CENTERLINE
(6) STATIONS AND OFFSETS ARE FROM THE RAMP S-4 CENTERLINE
(7) STATIONS AND OFFSETS ARE FROM THE RAMP M CENTERLINE
(8) STATIONS AND OFFSETS ARE FROM THE F-5 CENTERLINE

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REVISIONS DATED 9/29/14 FOR MICHAEL BAKER JR., INC.

Professional Land Surveyor AZ No. 21782

Digitally signed by Scott A. Nelson
Date: 2015.06.22 17:44:21 -07'00'

(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9-29-14	SAN	DELETE PT 1315; ADD PT 2381

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

ORIGINALLY SEALED BY SCOTT A. NELSON R.L.S. NO. 21782 1/30/14 FOR HUBBARD ENGINEERING

SHEET RS-26

6/22/2015 5:35:04 PM H:\PDATA\140212_H8467 Ajo Way TI\CADD\Mapping\Hubbard ROS\019rw057_rs26.dgn

RESULTS OF SURVEY

I-10 MISCELLANEOUS R/W MONUMENTATION

	PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
	426	436738.46800	990888.68168	1/2" REBAR W/ TAG STAMPED "RLS 26932"	304+10.85	368.01 LT
(11)	457	432915.30359	995030.02149	1" LEAD CAPPED PIPE	20+52.66	200.00 LT
(8)	481	434866.35694	991347.41097	1" IRON BAR IN 6"x6" CONCRETE MONUMENT	319+64.43	76.50 LT
(8)	482	434867.15874	991399.85990	1" IRON BAR IN 6"x6" CONCRETE MONUMENT	319+82.53	125.73 LT
	494	432909.30129	993304.24815	1" IRON BAR IN 6"x6" CONCRETE MONUMENT	347+92.37	182.16 RT
	495	432829.33618	993305.49957	1" IRON BAR NO TAG	348+04.02	261.22 RT
	525	432923.24425	992961.47848	1" IRON BAR NO TAG	344+79.01	232.55 LT
(6)	592	433926.80472	991536.49564	60D NAIL	328+33.37	169.91 RT
(6)	594	433867.95934	991612.39062	1/2" REBAR W/ TAG STAMPED "RLS 12537"	329+20.70	154.14 RT
(6)	595	433928.04435	991617.48616	1/2" REBAR W/ TAG STAMPED "RLS 12537" BENT 6" NE	328+83.21	109.08 RT
(11)	609	432010.89005	996723.10723	1/2" REBAR W/ TAG STAMPED "RLS 12122"	39+48.99	150.00 RT
(9)	619	431397.63064	997189.32786	1/2" REBAR W/ TAG STAMPED "LS 14974"	65+81.71	40.00 LT
(3)	958	432392.47009	995121.50640	1/2" REBAR NO TAG	370+84.66	250.16 RT
	1022	432898.35246	993579.03058	1/2" REBAR W/ CAP STAMPED "RLS 37172"	350+68.04	156.46 RT
	1024	432901.34257	993753.53825	1/2" REBAR W/ CAP STAMPED "RLS 37172"	352+44.46	124.81 RT
	1038	443183.88494	990208.58357	5/8" REBAR NO TAG W/ ADOT ANGLE IRON	237+38.41	354.63 LT
	1039	442876.33087	989344.19928	1/2" REBAR NO TAG BENT 6" SOUTH	240+32.51	514.42 RT
	1089	440530.54331	989701.93909	1/2" REBAR NO TAG	263+83.57	193.13 RT
	1090	440689.22329	989721.51063	60D NAIL W/ ORANGE FLAGGING	262+25.21	171.10 RT
	1100	442682.58052	990216.38610	1/2" REBAR W/ TAG STAMPED "RLS 29873"	242+39.77	354.65 LT
	1101	442377.48189	990141.81748	1/2" REBAR W/ TAG STAMPED "RLS 13178"	245+43.68	275.36 LT
	1102	442191.83546	990144.60739	1/2" REBAR NO TAG	247+29.34	275.26 LT
	1103	443340.91189	990158.48423	1/2" REBAR NO TAG	235+80.62	306.98 LT
	1104	441764.34325	989727.85441	1/2" REBAR W/ CAP STAMPED "TRIMBLE RLS 16912"	251+50.32	148.07 RT
	1105	441856.81528	989729.91983	1/2" REBAR W/ CAP STAMPED "TRIMBLE RLS 16912"	250+57.89	144.57 RT
	1106	441679.46244	990149.90506	1/2" REBAR NO TAG	252+41.74	272.61 LT
	1107	438729.02417	990195.10724	1/2" REBAR W/ TAG STAMPED "RLS 13187"	282+04.31	267.62 LT
	1121	432901.14145	993777.77712	1/2" REBAR W/ CAP STAMPED "RLS 37172"	352+68.90	120.56 RT
	1122	432898.36626	993579.96486	1/2" REBAR W/ CAP STAMPED "RLS 37172"	350+68.99	156.31 RT
(2)	1127	436736.00565	989827.13474	1/2" REBAR W/ TAG STAMPED "RLS 13557"	22+47.47	255.75 RT
(2)	1132	436302.62873	989376.83022	1/2" REBAR W/ TAG STAMPED "RLS 13557"	27+31.70	714.41 RT
	1138	435994.06171	991355.95522	60D NAIL W/ PINK FLAGGING	312+73.44	536.64 LT
	1142	435244.28909	991386.94127	60D NAIL W/ PINK FLAGGING	319+84.28	296.17 LT
	1145	432831.64501	993445.60248	1" IRON BAR NO TAG	349+41.39	240.73 RT
	1146	435391.96945	991384.57344	1/2" REBAR NO TAG BENT 2" NORTH	318+45.61	347.02 LT
(11)	1200	432903.47053	995070.04839	1/2" REBAR NO TAG	20+94.39	199.95 LT
(10)	1201	433009.42639	994445.13338	2" B.C. STAMPED "CL RW RLS 22759"	358+79.91	103.62 LT
(10)	1202	433006.34878	994455.58784	2" B.C. STAMPED "CL CONST 2986.88 RLS 22759"	358+90.81	103.62 LT
	1291	440916.63668	990202.17783	1/2" REBAR NO TAG	260+05.28	313.04 LT
	1779	432772.61482	994363.33966	1 1/2" A.C.	358+79.75	103.65 RT
(10)	1983	433387.00244	993083.94801	1/2" REBAR W/ TAG STAMPED "RLS 13187"	344+62.03	207.76 LT
(3)	2416	432584.04334	994808.45865	1/2" REBAR W/ TAG STAMPED "RLS 12537"	367+30.27	154.74 RT
(6)	2506	433928.85077	991536.89241	60D NAIL	328+32.20	168.26 RT
(6)	2508	433928.74392	991660.75592	1/2" REBAR W/ TAG STAMPED "RLS 12537"	329+11.06	77.14 RT
(8)	2516	434598.41536	991454.10694	1" IRON BAR NO TAG BENT 2" SOUTH	322+56.62	75.99 LT
	2523	435620.24943	991425.63749	CENTER OF CONCRETE BLOCK	316+47.32	467.36 LT
	2526	432829.54956	993305.46958	1/2" REBAR NO TAG	348+03.96	261.02 RT
(11)	2536	430978.72815	998554.55605	1/2" REBAR W/ TAG STAMPED "RLS 30736"	60+94.08	149.41 RT
(11)	2538	432915.28295	995029.94856	NAIL 0.3 DN	20+52.59	199.96 LT
(11)	2539	432915.50018	995030.00572	PKN FLUSH	20+52.58	200.18 LT
(9)	2639	431172.51200	997181.48300	1/2" REBAR NO TAG OR CAP	63+56.70	50.51 LT

STATIONS AND OFFSETS ARE FROM THE I-10 EB CENTERLINE UNLESS OTHERWISE NOTED
(1) STATIONS AND OFFSETS ARE FROM THE WB 2011 SURVEY CENTERLINE
(2) STATIONS AND OFFSETS ARE FROM THE 2011 SURVEY RAMP CENTERLINE
(3) STATIONS AND OFFSETS ARE FROM THE EB 2011 SURVEY CENTERLINE
(4) STATIONS AND OFFSETS ARE FROM THE 6TH AVENUE CENTERLINE
(5) STATIONS AND OFFSETS ARE FROM THE EB EXIST R/W CENTERLINE
(6) STATIONS AND OFFSETS ARE FROM THE I-10 EB 1949 CENTERLINE
(7) STATIONS AND OFFSETS ARE FROM THE I-10 EB CENTERLINE SPIRAL TANGENT (POST)
(8) STATIONS AND OFFSETS ARE FROM THE I-10 WB 1949 CENTERLINE
(9) STATIONS AND OFFSETS ARE FROM THE PARK AVENUE CENTERLINE
(10) STATIONS AND OFFSETS ARE FROM THE I-10 WB CENTERLINE
(11) STATIONS AND OFFSETS ARE FROM THE I-10 MEDIAN CENTERLINE

Note 1: POINT FALLS OUTSIDE DEFINED CENTERLINE

I-19 MISCELLANEOUS R/W MONUMENTATION

	PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
	766	421642.73303	987879.41450	CONCRETE NAIL W/ TAG STAMPED "RLS 27755"	3195+49.36	150.00 LT
(2)	805	412986.60145	987652.65307	1-1/2" A.C. ON 1/2" RBR STAMPED "S/S RLS 7599"	12+34.96	0.00 LT
(2)	806	413425.72412	987347.01620	1/2" RBR NO TAG/CAP	6+99+94	0.00 LT
(2)	807	413527.04363	987147.27444	1/2" RBR W/ SHEARED LEAD CAP	4+66.62	0.00 LT
	980	429668.89219	989056.18036	5/8" RBR NO TAG/CAP	3275+85.95	876.56 RT
(3)	996	429569.44470	987036.34607	5/8" RBR NO TAG/CAP	Note 1	---
(3)	1322	429559.97217	987094.60592	60D NAIL & WHISKER	1+14.78	159.75 RT
(3)	1325	429569.38599	987035.88572	2" B.C. IN CONCRETE	Note 1	---
(1)	1408	413516.99568	986730.68615	5/8" RBR NO TAG/CAP BENT 3" NORTH	19+62.35	182.47 RT
	1422	412429.08071	988179.24417	5/8" RBR NO TAG/CAP BENT 8" NORTH	3103+53.38	123.94 RT
	1427	412536.22821	988197.15626	1/2" RBR NO TAG/CAP BENT 6" WEST	3104+59.66	139.58 RT
	1500	417705.76640	988102.08818	1/2" RBR NO TAG/CAP	3156+19.03	130.12 RT
(1)	1508	413600.99147	986336.58119	PK NAIL W/ TAG STAMPED "RLS 12213 ANDREWS"	15+69.22	86.38 RT
(1)	1509	413595.95888	986337.13825	PK NAIL W/ TAG STAMPED "RLS 12213 ANDREWS"	15+69.58	91.43 RT
(2)	1514	413375.63517	987381.88715	1/2" RBR NO TAG/CAP	7+60.97	0.01 LT
	1666	424906.27653	988801.54779	5/8" RBR W/ TAG STAMPED "RLS 12122"	3228+33.37	579.49 RT
	1667	425647.53102	988391.99200	1-1/2" A.C. ON 1/2" RBR STAMPED "RLS 12122"	3235+70.95	174.91 RT
	1668	425679.49574	988383.44101	5/8" RBR W/ TAG STAMPED "RLS 12122"	3236+03.00	166.66 RT
	1746	432360.17822	988725.88096	1/2" RBR NO TAG/CAP	3304+80.30	149.71 RT
	1845	421634.84683	987878.83513	1/2" RBR W/ TAG STAMPED "RLS 14145"	3195+41.46	149.96 LT
	1846	421423.12113	987861.98317	1/2" RBR W/ TAG STAMPED "RLS 27755"	3193+29.06	150.19 LT
	1847	421218.78429	987846.89640	1/2" RBR W/ TAG STAMPED "RLS 27755"	3191+25.50	150.15 LT
	1848	421069.03381	987836.88124	1/2" RBR W/ TAG STAMPED "RLS 27755"	3189+76.39	150.23 LT
	1874	428700.56586	988333.90337	5/8" RBR NO TAG/CAP	3266+24.40	145.29 RT
	1875	429225.62096	988564.79311	5/8" RBR NO TAG/CAP IN CONCRETE DITCH	3271+47.28	381.06 RT
	1877	429105.68295	988060.25584	5/8" RBR NO TAG/CAP	3270+32.05	124.57 LT
	1878	429248.95863	988041.20213	5/8" RBR NO TAG/CAP	3271+75.49	142.29 LT
	1879	429339.11782	987989.10261	5/8" RBR NO TAG/CAP	3272+66.14	193.54 LT
(3)	1880	429603.22229	987474.22833	5/8" RBR NO TAG/CAP BENT 1" NORTH	4+94.61	118.28 RT
(1)	2330	413605.68609	986728.41555	1/2" RBR NO TAG/CAP BENT 5" WEST	19+62.34	93.75 RT
(2)	2331	412492.69973	987831.48371	1-1/2" A.C. ON 1/2" RBR STAMPED "S/S RLS 7599"	17+65.55	3.73 LT
	2332	411083.88767	987734.62057	5/8" RBR NO TAG/CAP 8" DN	3089+61.49	203.85 LT
	2369	424361.89191	988947.46095	5/8" RBR NO TAG/CAP	3223+06.34	733.60 RT
	2548	424357.51434	988946.89363	1" IRON PIPE NO TAG/CAP	3223+02.09	733.15 RT

STATIONS AND OFFSETS ARE FROM THE 2011 SURVEY CENTERLINE UNLESS OTHERWISE NOTED
(1) STATIONS AND OFFSETS ARE FROM THE VALENCIA ROAD CENTERLINE
(2) STATIONS AND OFFSETS ARE FROM THE F-1 R/W LINE
(3) STATIONS AND OFFSETS ARE FROM THE AJO ROAD CENTERLINE

Note 1: POINT FALLS OUTSIDE DEFINED CENTERLINE

Click here for I 10 Index

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CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:53:35 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-27

RESULTS OF SURVEY

CONTINUED FROM RS-25

I-10 EXIST ADOT R/W MONUMENTATION

	PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
(2)	1890	436312.67339	989268.41826	3" ADOT A.C. STAMPED "60062 RM 10.00 LS 18222 2008"	27+25.24	823.17 RT
	1987	433659.98553	991974.57895	3" ADOT A.C. STAMPED "1992"	333+14.07	76.81 RT
(1)	1991	433404.97829	993016.31654	3" ADOT A.C. STAMPED "25 347+39.32 PLS 19817 2007"	347+37.97	120.37 LT
	2314	441259.15964	990206.56816	3" ADOT A.C. STAMPED "ROW EL=2362.12"	256+62.87	322.74 LT
	2504	436739.79426	990884.67722	ADOT ANGLE IRON	304+08.18	364.75 LT
(8)	2514	434502.03323	991499.92848	3" ADOT A.C. STAMPED "1992"	323+67.80	76.07 LT
(8)	2515	434497.26943	991504.25951	3" ADOT A.C. STAMPED "220+xxx ELEV=xxxx.886 1985"	323+74.27	77.76 LT
	2520	435148.24905	991298.29547	3" AHD B.C.	320+42.06	178.94 LT
	2521	435624.36562	991425.54345	ADOT ANGLE IRON	316+43.45	468.75 LT
	2522	435599.35582	991391.47883	3" AHD B.C.	316+54.55	427.98 LT
(10)	2524	433388.94427	993275.59821	3" ADOT A.C. STAMPED "30 349+95.56 PLS19817 2007"	346+72.64	252.04 LT
(5)	2529	431416.66028	998429.78157	3" ADOT A.C. STAMPED "1992"	57+51.24	150.28 LT
(11)	2530	431198.06730	998215.96879	3" ADOT A.C. STAMPED "1992"	56+79.73	149.43 RT
	2534	439151.91814	990169.47471	ADOT ANGLE IRON	277+69.28	252.95 LT
(3)	2537	432611.79765	994807.41399	3" ADOT A.C. STAMPED "1992"	367+21.43	128.40 RT
	2541	432828.96468	993305.89810	3" AHD B.C. STAMPED "ELEV=2469.260 1986"	348+04.45	261.54 RT
(6)	2640	434441.23800	990664.69000	ADOT ANGLE IRON	320+81.44	666.52 RT
(6)	2643	434493.34421	990817.82549	ADOT ANGLE IRON	320+88.20	504.93 RT
(9)	3420	430781.84529	997186.61301	3" ADOT A.C. STAMPED "1992"	59+66.00	50.00 LT
(9)	3425	430549.49857	997311.66088	3" ADOT A.C. STAMPED "1992"	57+32.19	72.29 RT
(9)	3427	430925.28081	997340.92683	3" ADOT A.C. STAMPED "1992"	61+07.60	106.00 RT
(9)	3428	430952.44880	997372.13759	3" ADOT A.C. STAMPED "1992"	61+34.50	137.53 RT

STATIONS AND OFFSETS ARE FROM THE I-10 EB CENTERLINE UNLESS OTHERWISE NOTED

(1) STATIONS AND OFFSETS ARE FROM THE WB 2011 SURVEY CENTERLINE
(2) STATIONS AND OFFSETS ARE FROM THE 2011 SURVEY RAMP CENTERLINE
(3) STATIONS AND OFFSETS ARE FROM THE EB 2011 SURVEY CENTERLINE
(4) STATIONS AND OFFSETS ARE FROM THE 6TH AVENUE CENTERLINE
(5) STATIONS AND OFFSETS ARE FROM THE EB EXIST R/W CENTERLINE
(6) STATIONS AND OFFSETS ARE FROM THE I-10 EB 1949 CENTERLINE
(7) STATIONS AND OFFSETS ARE FROM THE I-10 EB CENTERLINE SPIRAL TANGENT (POST)
(8) STATIONS AND OFFSETS ARE FROM THE I-10 WB 1949 CENTERLINE
(9) STATIONS AND OFFSETS ARE FROM THE PARK AVENUE CENTERLINE
(10) STATIONS AND OFFSETS ARE FROM THE I-10 WB CENTERLINE
(11) STATIONS AND OFFSETS ARE FROM THE I-10 MEDIAN CENTERLINE

OLD US80 MISCELLANEOUS R/W MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
619	431397.63064	997189.32786	1/2" REBAR W/TAG STAMPED "LS 14974"	46+97.50	78.69 LT
1844	431412.76568	997138.37750	1/2" REBAR NO TAG OR CAP	46+52.68	50.12 LT
2630	431872.58200	996518.24600	1/2" REBAR W/TAG	38+98.96	116.91 RT
2639	431172.51200	997181.48300	1/2" REBAR NO TAG OR CAP	Note 1	---
3399	431776.93000	996636.87062	1/2" REBAR W/TAG	40+48.95	90.00 RT
3401	431685.91781	996760.85765	1/2" REBAR W/TAG	41+98.95	56.00 RT
3402	431515.21427	996908.97814	1/2" REBAR W/TAG	44+24.96	56.00 RT
3403	431481.35797	996906.58002	1/2" REBAR W/TAG	44+48.96	80.00 RT

STATIONS AND OFFSETS ARE FROM THE EX US80 CENTERLINE
Note 1: POINT FALLS OUTSIDE DEFINED CENTERLINE

OLD US80 EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
2651	40+81.00	50.00 LT	511	29+79.61	200.00 RT
640	46+53.02	50.00 LT	2646+	Radius Pt.	---
619	46+97.50	78.69 LT	612	31+15.91	200.00 RT
			2646+	Radius Pt.	---
			504	37+97.30	200.00 RT
			505	37+97.30	135.00 RT
			3399	40+48.95	90.00 RT
			3400	41+98.95	75.00 RT
			3401	41+98.95	56.00 RT
			3402	44+24.96	56.00 RT
			3403	44+48.96	80.00 RT
			2652	45+08.96	79.99 RT
			3404	45+08.96	75.00 RT
			3405	45+18.68	65.26 RT
			3406	Note 1	---

STATIONS AND OFFSETS ARE FROM THE EX US80 CENTERLINE
+ = RIGHT CURVE
- = LEFT CURVE
Note 1: POINT FALLS OUTSIDE DEFINED CENTERLINE

SANTA CRUZ LANE EXIST ADOT R/W MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2016	436736.68430	988306.51062	2" A.C. ON HEX BAR STAMPED "ROW 736 LS 18222"	18+91.74	414.96 LT
2017	436720.10706	988406.58693	2" A.C. ON HEX BAR STAMPED "ROW 734 LS 18222"	19+10.12	514.72 LT
2018	436719.68425	988306.74783	2" A.C. ON HEX BAR STAMPED "ROW 731 LS 18222"	19+08.74	414.89 LT
2019	436702.68501	988306.90867	2" A.C. ON HEX BAR STAMPED "ROW 732 LS 18222"	19+25.74	414.74 LT
2020	436701.10472	987933.75201	2" A.C. ON HEX BAR STAMPED "ROW 733 LS 18222"	19+20.60	41.62 LT
2097	437568.80346	987853.48921	2" A.C. ON HEX BAR STAMPED "ROW 4500 LS 18222"	10+50.63	69.50 RT
2100	437447.58593	987951.74479	2" A.C. ON HEX BAR STAMPED "ROW 4505 LS 18222"	11+70.45	32.00 LT
2101	437451.62140	987887.87214	2" A.C. ON HEX BAR STAMPED "ROW 4504 LS 18222"	11+70.45	32.00 RT
2102	437534.52967	987890.96170	2" A.C. ON HEX BAR STAMPED "ROW 4502 LS 18222"	10+85.82	32.00 RT
2106	436809.20127	987858.17322	2" A.C. ON HEX BAR STAMPED "ROW 4508 LS 18222"	18+11.16	32.00 RT
2109	435969.30613	987942.64124	2" A.C. ON HEX BAR STAMPED "ROW 712 LS 18222"	26+52.44	37.33 LT
2110	435969.39028	987952.31129	2" A.C. ON HEX BAR STAMPED "ROW 1062 LS 18222"	26+52.53	47.00 LT
2115	435100.03505	987866.15214	2" A.C. ON HEX BAR STAMPED "ROW 4512 LS 18222"	35+20.20	54.80 RT
2116	435135.26755	987888.32129	2" A.C. ON HEX BAR STAMPED "ROW 4510 LS 18222"	34+85.37	32.00 RT

STATIONS AND OFFSETS ARE FROM THE SANTA CRUZ LANE CENTERLINE

SANTA CRUZ LANE MISCELLANEOUS R/W MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2015	436735.12589	987938.52015	1/2" REBAR BENT NO TAG OR CAP	18+86.67	47.00 LT
2098	437564.99954	987978.57153	1 1/2" A.C. ON 1/2" REBAR STAMPED "RLS 12122"	10+55.38	55.55 LT
2099	437530.11988	987954.91153	1 1/2" A.C. ON 1/2" REBAR STAMPED "RLS 12122"	10+89.43	32.00 LT

STATIONS AND OFFSETS ARE FROM THE SANTA CRUZ LANE CENTERLINE

SANTA CRUZ LANE EXISTING R/W LINE

THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
2435	10+55.23	0.56 LT	2434	10+50.22	0.50 LT
2098	10+55.38	55.55 LT	2097	10+50.63	69.50 RT
2099	10+89.43	32.00 LT	2102	10+85.82	32.00 RT
2089+	Radius Pt.	---	2089+	Radius Pt.	---
2100	11+70.45	32.00 LT	2101	11+70.45	32.00 RT
2103	14+92.02	32.00 LT	2105	15+45.62	32.00 RT
2015	18+86.67	47.00 LT	2090-	Radius Pt.	---
2016	18+91.74	414.96 LT	2106	18+11.16	32.00 RT
2017	19+10.12	514.72 LT	2116	34+85.37	32.00 RT
2018	19+08.74	414.89 LT	2121+	Radius Pt.	---
2019	19+25.74	414.74 LT	2115	35+20.19	54.80 RT
2125	19+20.67	47.00 LT	2094-	Radius Pt.	---
2020	19+20.60	41.62 LT	2163	Note 1	---
2109	26+52.44	37.33 LT			
2110	26+52.53	47.00 LT			
2111	26+82.50	47.00 LT			
2112	26+82.50	57.00 LT			
2113	27+28.50	57.00 LT			
2114	27+28.50	47.00 LT			
1119	Note 1	---			

STATIONS AND OFFSETS ARE FROM THE SANTA CRUZ LANE CENTERLINE

+ = RIGHT CURVE
- = LEFT CURVE

Note 1: POINT FALLS OUTSIDE DEFINED CENTERLINE

Click here for I 10 Index

019rw057_rs28.dgn

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelson@hubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 019 PM 057 H5105 01R
ROUTE NO.: I-19
LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:54:11 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-28

RESULTS OF SURVEY

SECTIONAL CORNERS

PT.	NORTHING	EASTING
106	413724.59999	988173.20918
108	424408.07880	988083.33839
110	435017.50887	990624.27086
111	440271.43918	990556.37044
114	408510.76946	990839.31235
115	413775.65535	990761.30605
116	419142.07398	990769.42540
117	429711.74521	985399.26683
118	435143.88902	1001145.36003
339	435050.46623	993255.93450
474	432444.08491	995912.18696
712	442893.98184	987865.79790
713	445542.83429	987839.45655
714	442872.77140	985247.25940
754	425735.84225	988070.93970
1108	445559.99855	990475.34662
1109	445525.67003	985203.56648
1110	440217.72303	985290.88838
1111	440244.71204	987892.14339
1112	442915.44879	990516.00352
1113	438951.27507	990576.37998
1114	437631.30295	990596.28824
1115	437619.98266	987922.58361
1117	437583.67271	985303.12615
1119	434982.94638	987970.07746
1120	434972.09079	985317.74780
1152	435078.95921	995885.18383
1154	432399.05513	993286.47655
1156	429770.87010	993310.90471
1157	429736.40737	990672.14939
1279	435111.43596	998506.45310
1280	432502.76690	1001176.39749
1281	429831.58817	998568.28374
1282	429804.46488	995954.86470
1305	432353.49763	988002.30709
1307	429724.13938	988033.96940
1379	411121.85321	989495.30874
1435	408438.16206	987205.24853
1439	408431.58829	986875.78508
1441	408406.32535	985553.61382
1445	419094.71940	989423.76039
1453	424370.16496	985433.50580
1454	421651.55476	985454.67227
1455	421782.79107	990748.89898
1458	416466.85783	990764.42679
1459	416415.58158	989445.33984
1460	413661.76054	985542.56652
1461	411032.98582	985547.83814
1463	408485.42410	989519.07024
1475	429859.01040	1001210.18759
1478	411148.92637	990800.58103
1499	411093.95296	988190.19546
1502	416310.89565	985507.99551
1526	427091.62351	990700.10331
1567	427041.01860	985416.44283
1570	424446.16084	990728.06257
1571	418959.25165	985472.51937
1785	408459.97663	988204.13509
1927	434982.18327	987954.63191
1936	444197.29851	985225.85936
1937	442850.68359	982611.69829
1939	444187.26213	983917.20685
2003	421726.79058	988081.21492
2075	432473.34848	998537.34691
2206	416364.41989	988126.39129
2209	419047.36153	988078.00194
2210	432374.33766	990648.18949
2211	432365.64957	989325.31632
2310	427062.98450	988058.54680
2363	425752.51477	989392.46458
2458	433683.35052	989313.65142
2459	433668.22201	987986.19227
2462	433698.42316	990636.20755
2602	405797.84867	987245.83215
2604	405766.62191	985597.67653
2609	401476.38614	985625.03692
2610	400483.36994	985613.20052
2616	400493.24026	986274.44464
2624	403142.83842	986630.02049
3043	429717.94886	986718.01224
3194	427052.00155	986737.49481
7055	403126.86601	985641.65631

REFERENCE MARKERS TO SECTIONAL CORNERS

PT.	NORTHING	EASTING	DESCRIPTION	PT.	NORTHING	EASTING	DESCRIPTION
102	424387.57251	988075.48298	CHISELED "X" IN CONC	1628	432560.53760	1001250.80832	CHISELED "X" IN CONCRETE
1153	435079.74617	993257.20493	1/2" REBAR WITH CAP ILLEGIBLE	1629	432457.74461	1001127.86698	CHISELED "X" IN CONCRETE
1231	429802.10828	998604.53931	3" ADOT A.C.	1635	435053.34645	995922.74167	CHISELED "X" IN CONCRETE
1233	435111.44824	998500.94732	2" B.C. FLUSH IN CONCRETE	1639	432365.31382	990648.25526	2" B.C. FLUSH
1481	419171.77045	990691.91835	SCREW IN CURB W/TAG STAMPED "LS 25086"	1689	429863.98598	1001185.42970	CHISELED "X" IN CONCRETE
1482	419203.35513	990791.27094	SCREW IN CURB W/TAG STAMPED "LS 25086"	1690	429850.41339	1001185.43870	CHISELED "X" IN CONCRETE
1483	419110.19526	990852.33007	SCREW IN CURB W/TAG STAMPED "LS 25086"	1691	429850.00434	1001235.75257	CHISELED "X" IN CONCRETE
1484	419022.98309	990726.85043	NAIL IN CURB W/TAG STAMPED "RLS 25086 RP"	1692	429864.58705	1001234.91247	CHISELED "X" IN CONCRETE
1490	413727.92928	985469.15698	CHISELED "X" IN CONCRETE	1693	429809.81766	998601.81825	NAIL W/ TAG STAMPED "RLS 31032 RP"
1492	413734.92910	985617.23326	1/2" STEEL PIN W/TAG STAMPED "PCDOT REF 22"	1695	429779.95917	998433.08856	NAIL W/ TAG STAMPED "RLS 31032 RP"
1494	413610.42957	985599.42518	CHISELED "X" IN CONCRETE	1696	429879.53879	998494.10968	NAIL W/ TAG STAMPED "RLS 31032 RP"
1495	413578.54685	985513.06710	1/2" STEEL PIN W/TAG STAMPED "PCDOT REF"	1697	429885.12944	998580.37575	CHISELED "X" IN CONCRETE
1496	413588.73404	985468.35288	CHISELED "X" IN CONCRETE	1698	429782.31445	995976.74497	CHISELED "X" IN CONCRETE
1534	403009.85973	985564.14906	5/8" REBAR NO TAG	1699	429780.96429	995934.99209	CHISELED "X" IN CONCRETE
1569	427047.58737	990700.54336	2" B.C. FLUSH	1700	429850.00134	995825.68534	CHISELED "X" IN CONCRETE
1576	432379.33746	990647.04212	2" B.C. FLUSH	1701	442970.57621	990510.56719	1-1/2" A.C. ON 5/8" REBAR
1577	432379.33746	990648.14424	2" B.C. FLUSH	1702	445512.23576	990482.85296	2" B.C. FLUSH STAMPED "RLS 21774"
1578	440314.28828	990582.93364	CHISELED "X" IN CONCRETE	1703	445552.34444	990440.92207	CHISELED CROWSFOOT IN CONCRETE
1579	440319.81092	990653.00481	CHISELED "X" IN CONCRETE	1705	445571.05162	990473.59188	CHISELED CROWSFOOT IN CONCRETE
1580	440225.89597	990613.32018	CHISELED "X" IN CONCRETE	1706	445572.33277	990530.83756	CHISELED CROWSFOOT IN CONCRETE
1581	440227.78419	990562.27723	CHISELED "X" IN CONCRETE	1707	445473.42323	990515.41276	CHISELED "X" IN CONCRETE
1582	442915.94883	990488.08557	5/8" REBAR NO TAG	1708	445471.47600	990503.10832	PK NAIL W/ TAG STAMPED "C.O.T. PMS SAMPLE #5"
1583	442873.08883	990511.84934	1-1/2" A.C. ON 5/8" REBAR	1709	445465.13126	990462.28456	CHISELED "X" IN CONCRETE
1587	440216.28684	987873.96256	CHISELED CROWSFOOT IN CONCRETE	1710	445463.95212	990454.52965	3" ADOT A.C.
1588	440221.54446	987910.66485	CHISELED CROWSFOOT IN CONCRETE	1711	445457.49837	990440.65303	M.A.G. NAIL IN CONCRETE
1589	440327.20479	987943.90972	CHISELED CROWSFOOT IN CONCRETE	1714	413705.97672	990702.56459	NAIL W/TAG STAMPED "REF RLS 13019"
1590	440315.08637	987835.82711	CHISELED CROWSFOOT IN CONCRETE	1715	413736.09723	990804.92454	NAIL W/TAG STAMPED "REF RLS 13019"
1591	437622.76124	985281.99514	CHISELED CROWSFOOT IN CONCRETE	1716	413842.83469	990818.08307	NAIL W/TAG STAMPED "REF RLS 13019"
1592	437623.63334	985340.40296	CHISELED CROWSFOOT IN CONCRETE	1717	413845.99705	990683.60738	NAIL W/TAG STAMPED "REF RLS 13019"
1593	437544.42910	985324.28908	CHISELED CROWSFOOT IN CONCRETE	1718	421710.35664	990789.51074	CHISELED "X" IN CONCRETE
1594	437542.87292	985265.03716	CHISELED CROWSFOOT IN CONCRETE	1719	421748.76212	990804.51849	CHISELED "X" IN CONCRETE
1595	434979.95789	987970.02077	PUNCH IN SEWER MH RIM	1720	421816.42402	990709.12936	CHISELED "X" IN CONCRETE
1598	437665.78026	990548.03056	CHISELED "X" IN CONCRETE	1721	421750.02427	990702.50659	CHISELED CROWSFOOT IN CONCRETE
1599	437660.78368	990589.99946	CHISELED "X" IN CONCRETE	1727	421680.64817	985425.42188	1" IRON BAR BENT NO TAG
1600	437661.60977	990584.96087	PK NAIL W/ TAG STAMPED "STANTEC CONTROL"	1736	429711.66320	993262.81431	CHISELED CROWSFOOT IN CONCRETE
1601	437606.42934	990608.44261	PK NAIL W/ TAG STAMPED "STANTEC CONTROL"	1737	429808.35749	993263.80143	CHISELED CROWSFOOT IN CONCRETE
1602	437605.73225	990601.81884	CHISELED "X" IN CONCRETE	1738	429809.07357	993341.89054	CHISELED CROWSFOOT IN CONCRETE
1603	437609.37568	990627.09979	CHISELED "X" IN CONCRETE	1749	429736.52310	990660.91673	PK NAIL IN ASPHALT
1616	429744.27001	985440.72666	CHISELED CROWSFOOT IN CONCRETE	1947	408546.41738	989573.86567	1/2" REBAR NO TAG BENT 8" NORTHEAST
1617	429767.18768	985324.45310	CHISELED CROWSFOOT IN CONCRETE	1949	408457.53056	989530.56717	1-1/2" A.C. STAMPED "CITY OF TUCSON R.P."
1618	429769.73198	990734.60433	CHISELED "X" IN CONCRETE	1950	408456.98497	989493.64116	5/8" REBAR NO TAG
1619	429795.88703	990629.45206	SAWCUT CROWSFOOT IN CONCRETE	1951	408559.76621	989488.42707	1/2" REBAR NO TAG BENT 5" SOUTHWEST
1620	429768.99689	990609.40472	SAWCUT CROWSFOOT IN CONCRETE	1957	421787.73849	990748.90726	1-1/2" A.C. STAMPING IS ILLEGIBLE
1621	429796.31208	990704.61683	SAWCUT CROWSFOOT IN CONCRETE	2126	434990.30304	987953.46277	60D NAIL IN POWER POLE
1622	429770.77310	990725.89432	SAWCUT CROWSFOOT IN CONCRETE	2605	405165.17083	986148.90881	1-1/2" A.C. ON 5/8" REBAR
1623	429704.63038	990723.41903	SAWCUT CROWSFOOT IN CONCRETE	2606	405968.44933	985412.63012	5/8" REBAR NO TAG
1627	432523.89132	1001251.17637	CHISELED "X" IN CONCRETE	2622	403594.18960	985951.22058	1-1/2" A.C. ON 5/8" REBAR

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CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19

LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:54:47 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-29

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RESULTS OF SURVEY

MISCELLANEOUS MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION
112	429817.34393	997248.02829	2" B.C. IN PAVEMENT STAMPED "RLS 31032"
1007	434687.48667	991565.17746	2" B.C. IN CONCRETE STAMPED "RLS 21787"
1009	435029.19917	991560.06904	2" B.C. IN CONCRETE STAMPED "RLS 21787"
1010	435426.23177	991554.00772	2" B.C. IN CONCRETE STAMPED "RLS 21787"
1011	435801.08766	991548.34402	2" B.C. IN CONCRETE STAMPED "RLS 21787"
1016	435052.94267	993460.88625	MAG NAIL W/ SHINER
1017	432953.98817	993494.23941	2" B.C. W/ PUNCH MARK
1019	436550.97171	991536.88445	2" B.C. IN CONCRETE STAMPED "RLS 21787"
1020	436925.88937	991531.13258	2" B.C. IN CONCRETE STAMPED "RLS 21787"
1021	437300.88037	991525.47378	2" B.C. IN CONCRETE STAMPED "RLS 21787"
1091	442681.63112	990141.12341	1/2" REBAR W/ TAG STAMPED "RLS 29873"
1092	442725.38544	990145.37593	1/2" REBAR NO TAG BENT 1" EAST
1093	442777.49812	990144.10686	1/2" REBAR W/ TAG STAMPED "RLS 29873"
1094	442817.10782	990137.15957	1/2" REBAR NO TAG
1095	442853.07322	990126.05134	1/2" REBAR W/ TAG STAMPED "RLS 29873"
1096	442899.47575	990121.71832	1/2" REBAR W/ TAG STAMPED "RLS 29873"
1097	443002.03566	990143.03530	1/2" REBAR W/ TAG STAMPED "RLS 29873"
1098	443058.65120	990147.90342	1/2" REBAR W/ TAG STAMPED "RLS 29873"
1099	443163.83178	990142.26386	1/2" REBAR W/ TAG STAMPED "RLS 29873"
1188	435999.38740	987869.41013	1/2" RBAR W/ CAP STAMPED "TRAV POINT"
1189	435043.71977	987889.01215	3" ADOT A.C. STAMPED "RLS 19862"
1219	432808.69471	993571.48089	PK NAIL W/ TAG STAMPED "RLS 37172"
1220	432655.13551	993573.88684	1/2" REBAR W/ CAP STAMPED "RLS 37172"
1228	431772.24791	996216.98264	2" B.C. W/ PUNCH MARK
1229	431960.65084	996434.11024	2" B.C. W/ PUNCH MARK
1230	431998.83667	996400.96379	2" B.C. W/ PUNCH MARK IN CUL-DE-SAC
1234	433343.31565	991585.17068	2" B.C. STAMPED "RLS 21787"
1235	433117.52808	991588.35896	2" B.C. STAMPED "RLS 21787"
1236	433957.41348	991576.03908	2" B.C. STAMPED "RLS 21787"
1237	433027.75636	991589.63554	2" B.C. STAMPED "RLS 21787"
1238	433034.01885	991995.51568	2" B.C. IN PAVEMENT
1239	432725.00879	992139.62701	2" B.C. IN PAVEMENT
1240	432396.37494	992470.54348	2" B.C. STAMPED "CITY OF TUCSON RLS 23956"
1241	432722.86654	991594.26499	1/2" REBAR NO TAG BENT 4" NORTHEAST
1242	432388.27589	991599.14337	3/4" IRON BAR IN HAND HOLE
1243	432387.34080	991492.08893	3/4" IRON BAR IN HAND HOLE
1244	432379.47508	991179.67376	2" B.C. W/ PUNCH MARK
1245	432384.32271	991166.10515	2" B.C. W/ PUNCH MARK
1246	432415.89077	991101.55843	2" B.C. W/ PUNCH MARK
1247	432450.18583	991073.29477	2" B.C. W/ PUNCH MARK
1248	432382.53178	990979.25071	2" B.C. W/ PUNCH MARK
1249	432359.89937	990807.37732	2" B.C. W/ PUNCH MARK
1250	433638.20961	990636.22680	2" B.C. W/ PUNCH MARK
1251	433328.18887	990638.85143	2" B.C. STAMPED "RLS 25086"
1252	433018.14192	990641.48028	2" B.C. STAMPED "RLS 25086"
1253	432708.12853	990644.14943	2" B.C. W/ PUNCH MARK
1254	432715.52158	991119.15245	2" B.C. W/ PUNCH MARK
1255	433025.55045	991114.60553	2" B.C. IN ROUND-ABOUT ISLAND
1256	433335.74798	991110.01726	2" B.C. IN ROUND-ABOUT ISLAND
1257	433645.40023	991105.51370	2" B.C. W/ PUNCH MARK
1258	432714.80718	991394.34231	2" B.C. STAMPED "RLS 21787"
1259	432719.83623	991400.75360	2" B.C. STAMPED "RLS 21787"
1260	432365.37403	989295.31758	2" B.C. W/ PUNCH MARK
1261	432370.38101	989295.29772	2" B.C. W/ PUNCH MARK
1264	433707.04699	989668.78065	3" PCHD A.C. REFERENCE MARK STAMPED "W/C 357.77 PROP. COR. 1/16 LINE 20"
1289	432479.83982	998519.90980	1-1/2" A.C. STAMPED "CITY OF TUCSON GPS"
1320	429252.15162	987993.64226	2" B.C. W/ PUNCH MARK
1326	429806.41166	987045.61061	5/8" REBAR NO TAG
1330	429650.17803	989354.70233	2" B.C. W/ PUNCH MARK
1331	429648.69086	989056.10749	2" B.C. W/ PUNCH MARK
1332	429317.75224	988665.75695	2" B.C. W/ PUNCH MARK
1335	417706.38647	988114.92668	PK NAIL W/ WASHER STAMPED "CITY OF TUCSON RLS #20373"
1348	427279.25940	988367.85219	5/8" REBAR NO TAG BENT 1" WEST
1349	427451.16246	988364.98885	1-1/2" A.C. STAMPED "HAWKEYE LS 13187"
1350	427623.24753	988363.42467	1-1/2" A.C. STAMPED "HAWK LS 13187"
1381	429581.49561	987065.91500	2" B.C. IN PAVEMENT W/ PUNCH MARK
1388	427645.18268	988053.15519	2" B.C. IN PAVEMENT STAMPED "PE 2663"
1389	428390.13860	988046.38240	2" B.C. IN PAVEMENT STAMPED "PE 2663"
1390	428740.25345	988043.12002	2" B.C. IN PAVEMENT STAMPED "PE 2663"
1391	429098.93030	988039.76463	2" B.C. IN PAVEMENT STAMPED "PE 2663"
1392	429172.26786	988039.14756	2" B.C. IN PAVEMENT STAMPED "PE 2663"
1393	429324.86066	987974.82805	2" B.C. IN PAVEMENT STAMPED "PE 2663"
1394	429583.43183	987474.33666	2" B.C. FLUSH IN PAVEMENT STAMPED "PE 2663"

MISCELLANEOUS MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION
1440	408462.97796	988204.68814	1/2" REBAR NO TAG OR CAP
1444	416415.53084	989442.60456	2" B.C. IN PAVEMENT W/ PUNCH MARK
1446	419095.47153	989443.71669	2" B.C. IN PAVEMENT STAMPED "RLS 25086"
1457	419048.50605	988077.89734	3" B.C. STAMPED "T15S R13E 1/4 COR S2 S11 LS12213 1998"
1501	416364.36789	988127.86219	1-1/2" IRON PIPE WITH STEM OF SHEARED OFF CAP
1503	418991.83845	986438.63609	2" B.C. W/ PUNCH MARK
1504	414415.91955	989440.00728	5/8" REBAR NO TAG
1568	427082.36443	989379.02617	2" B.C. FLUSH IN CONCRETE
1604	432336.69048	988893.38951	1/2" REBAR W/ TAG STAMPED "LS 12122" BENT 4" WEST
1605	432319.37646	988838.22007	1/2" REBAR W/ TAG STAMPED "LS 12122" BENT 6" NORTHEAST
1633	432908.68722	995635.20312	SPLIT RAILS FOR CL RR TRACKS
1634	432236.41778	995645.52132	SPLIT RAILS FOR CL RR TRACKS
1685	419113.09060	989945.01521	2" B.C. IN PAVEMENT
1750	432400.86097	993502.75331	2" B.C. IN PAVEMENT
1752	435109.61602	993420.56172	CHISELED 'X'
1764	433988.17317	997194.63407	2" B.C. IN PAVEMENT
1767	431242.33880	996677.01967	2" B.C. W/ PUNCH MARK
1768	430826.89532	997037.64075	2" B.C. W/ PUNCH MARK
1844	431412.76568	997138.37750	1/2" REBAR NO TAG BENT 4" NORTH
1849	433321.72515	989929.13239	2" B.C. W/ PUNCH MARK
1850	433631.56798	989926.50135	2" B.C. W/ PUNCH MARK
1851	433628.74659	989626.54604	2" B.C. W/ PUNCH MARK
1852	433005.92199	989289.64716	2" B.C. W/ PUNCH MARK
1853	433011.84665	989931.82321	2" B.C. W/ PUNCH MARK
1928	432701.87219	989934.47023	2" B.C. W/ PUNCH MARK
1929	432696.15169	989292.40937	2" B.C. W/ 2 PUNCH MARKS
1930	432377.06231	989937.23489	2" B.C. W/ PUNCH MARK
1931	433690.27410	989956.08445	1/2" REBAR NO TAG BENT 2" SOUTH
1932	433694.80096	990305.68153	1" IRON PIPE BENT 9" SOUTH
1938	442844.39971	982612.64523	2" OPEN IRON PIPE NO TAG IN MOUND OF STONES
1940	444182.13120	983916.27879	2" OPEN IRON PIPE NO TAG IN MOUND OF STONES
1953	408458.02953	988203.90764	1-1/2" A.C.P ILLEGIBLE
1954	408458.16285	988206.72181	3/4" IRON BAR
1957	421787.73849	990748.90726	1-1/2" A.C. IN PAVEMENT
1959	421780.34812	990397.93249	2" B.C. STAMPED "LS x785"
1960	421767.29239	989775.07911	2" B.C. STAMPED "LS 4785"
1961	421692.29415	989776.63040	2" B.C. IN PAVEMENT
1962	421760.79113	989464.17590	2" B.C. STAMPED "LS 4785"
1963	421685.86479	989465.75901	2" B.C. WITH CHISELED "X"
1964	421754.58403	989168.38417	1-1/2" A.C. STAMPED "CITY OF TUCSON"
1965	421679.65909	989169.83415	2" B.C. WITH CHISELED "X"
1966	421673.66793	988888.89446	2" B.C. WITH CHISELED "X"
1967	421662.76990	988368.00810	2" B.C. IN PAVEMENT
1968	421732.77827	988366.58826	60D NAIL NO TAG IN PAVEMENT
1981	435953.02833	987875.19767	1/2" REBAR NO TAG
1982	435960.84934	987942.75141	2" B.C. STAMPED "CITY OF TUCSON RLS 23956"
1988	433647.72905	991580.70427	2" B.C. STAMPED "RLS 21787"
1989	433652.79521	991900.58638	MAG NAIL W/ SHINER IN CENTER OF CUL-DE-SAC
2013	437565.84437	987923.01419	3" ADOT A.C. STAMPED "RLS 19862"
2014	437449.60367	987919.80846	B.C. STEM IN CONCRETE
2091	437075.17659	987896.15217	3" ADOT A.C. STAMPED "RLS 19862"
2092	436809.77751	987890.16803	3" ADOT A.C. STAMPED "RLS 19862"
2093	435044.20713	987921.96651	3" ADOT A.C. STAMPED "RLS 19862"
2312	430611.27473	990664.19891	2" B.C. W/ PUNCH MARK
2313	431059.66235	990660.11335	2" B.C. W/ PUNCH MARK
2317	414433.45132	990143.74484	2" A.C. IN PAVEMENT
2318	414117.43127	990149.66532	60D NAIL IN PAVEMENT
2319	415076.73326	989440.63146	60D NAIL IN PAVEMENT
2322	413366.81288	990165.59607	60D NAIL IN PAVEMENT
2362	426083.52128	989388.94854	2" B.C. W/ CHISELED "X"
2364	425686.09024	989393.29348	PK NAIL WITH WASHER STAMPED "SURVEY POINT DO NOT DISTURB"
2389	424369.39557	989564.17875	5/8" REBAR W/ TAG STAMPED "PE 4670 LS15332"
2394	424347.96403	989117.60740	1/2" REBAR W/ TAG STAMPED "RLS 23962"
2608	403127.65096	985641.49204	3" A.C. STAMPED "T15S R13E S22 S23 S27 S26 15573 2008"

019rw057_rs30.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelson@hubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19

LOCATION: SAN XAVIER RD - JCT I-10

Professional Land Surveyor AZ No. 21782
Digitally signed by Scott A. Nelson
Date: 2014.01.30 15:55:25 -07'00'
(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

SHEET RS-30

RESULTS OF SURVEY

CALCULATED POINTS		
PT.	NORTHING	EASTING
300	443809.36185	989844.20054
301	438207.74008	989931.15394
302	437057.28083	990372.38107
303	434860.81837	991214.77407
304	439034.54434	989918.31954
305	438734.68777	989926.90127
306	438943.87141	993740.88771
307	437717.13956	990123.51582
308	437435.67065	990227.26002
309	438834.55364	989921.42398
310	437622.42186	990155.63671
311	437074.32233	990416.81523
312	433253.53269	993131.25203
313	433162.25440	993274.18957
314	433149.52450	993571.89160
315	425714.39932	991816.91098
316	433043.20426	993973.21838
317	433069.99690	993665.04635
318	425634.87171	991910.06574
319	432963.67666	994066.37313
320	432426.24120	996070.13736
321	432393.75171	996003.42015
322	425344.31557	993929.30966
323	425070.37868	993800.90003
324	424723.72423	993803.87507
325	425090.03226	993966.67544
326	432060.73357	997064.70418
327	431997.82015	997048.18140
328	431491.28173	997960.98244
329	431491.93956	998114.45056
330	431323.42904	998297.29718
331	431107.49361	998553.34201
332	431208.34830	998552.16093
333	429852.34313	1000567.85219
334	434950.10010	991231.50248
335	433527.67223	991726.06575
336	433577.71054	991757.84489
337	435544.67403	993479.48613
338	435544.58363	993479.42124
341	434541.88087	991346.10160
342	434490.26707	991427.18447
343	433354.92198	992606.61176
344	433349.50817	992768.85605
347	433268.88413	992822.45216
348	433310.98499	992887.86172
349	434646.01438	991297.15384
350	434638.69492	991350.93111
351	435024.11964	991152.14434
352	435024.75490	991202.87067
353	442910.12018	989858.15938
354	443510.50615	989730.82543
355	443091.75660	989737.32564
359	442927.44903	989323.83605
360	442886.30064	989340.36671
361	442876.71923	989344.21588
362	442919.12250	989449.76046
365	443020.07095	989738.43841
369	442510.33125	989719.58782
371	442135.48497	989710.49472
375	441668.88019	989539.20628
376	441618.88637	989539.99233
379	441366.73865	989737.60972
380	441341.34820	989713.00085
385	440711.29294	989689.84716
387	440150.32604	989655.12969

CALCULATED POINTS		
PT.	NORTHING	EASTING
392	443220.99447	990197.49516
393	443184.03331	990208.66018
399	441852.28057	990127.33056
400	441259.06113	990206.70749
404	440353.23060	990236.10509
407	440142.23198	990188.22186
409	439152.24705	990171.25314
410	439094.31135	990157.16067
412	438832.06116	989770.03443
414	439033.14891	990157.53001
417	438948.51147	990213.03828
418	438922.61868	990188.22934
420	438099.63117	989828.06930
421	437880.30040	989833.02833
422	437703.13322	989847.48196
424	438508.79686	990583.05359
427	436719.32447	990944.53831
428	436202.73247	991327.11592
429	436045.26841	991329.51097
430	435995.65579	991355.26847
431	435975.96330	991375.56579
432	435828.49599	991377.81141
433	435621.75524	991425.94261
434	435601.22503	991391.25045
435	435453.64058	991383.47955
436	435246.17797	991386.63356
437	435225.26747	991326.94208
438	435149.81973	991298.08428
439	435077.34157	991299.18483
440	435076.84243	991266.37707
441	433749.88998	992206.76138
442	433749.94450	992222.18831
443	433660.23020	992342.31622
444	433559.73356	992484.49345
471	431416.36587	998429.71693
472	436203.07233	991349.30987
483	434725.36171	991401.97952
484	434655.41046	991430.24415
485	434655.76045	991453.02911
486	434600.24776	991453.85580
489	432617.29549	997334.11261
496	432832.47735	993496.10974
497	432898.11666	993565.10769
501	432611.52772	994808.02650
503	432288.97005	995741.22610
504	431894.90913	996388.86200
505	431937.50875	996437.95652
506	431603.08817	997354.83373
507	431631.57147	997369.41796
508	431197.54167	998215.73512
511	432270.24724	995804.82765
514	433650.57863	991987.62334
515	433683.33890	991944.20790
516	433681.79539	991844.12901
517	433761.77233	991842.92421
519	432241.18026	995741.95959
520	432240.87333	995721.96195
523	433405.43022	993019.50681
524	433385.83714	993019.81815
529	432263.91508	995586.35014
530	432345.16357	995625.35729
531	432317.08436	995720.79223
532	432263.22821	995541.59764
551	395854.41121	986116.75412
552	400952.86173	986021.23265

CALCULATED POINTS		
PT.	NORTHING	EASTING
553	401310.55278	1005112.96220
554	406566.50001	986755.48147
555	409574.50041	987616.70484
556	412727.22702	976605.15632
557	412932.02310	988057.31526
558	419208.00406	987945.08347
559	419617.78093	1010859.72979
560	421411.70068	988011.73677
561	423197.46786	988151.94703
562	424989.92165	965322.62494
563	425203.40672	988221.21140
564	430467.75097	988172.13156
565	430510.48288	992755.59237
566	434263.11299	990123.53875
567	434616.86391	990627.89638
571	421725.50617	988036.37534
578	433022.29140	993867.15479
579	433101.81900	993774.00004
580	432235.61410	996540.89440
581	432276.37283	996579.50632
582	431775.76095	997521.90139
583	431817.53933	997611.90194
584	433161.42707	993277.69466
585	433219.12337	993277.03004
586	432442.79113	995836.74616
587	432420.48239	995912.56857
588	432472.80053	995911.89267
589	432445.12999	996005.93862
590	434081.77778	991529.18388
591	433986.72148	991530.59807
593	433856.88918	991542.54944
596	434544.04599	991479.65602
597	434504.43125	991532.89698
598	434439.45586	991533.86365
599	434505.48715	991602.88902
600	434353.12755	991616.15696
604	432928.56261	997297.18934
605	433230.25220	997292.90535
606	433277.08298	997244.73557
607	432552.60110	995640.66844
608	432500.24539	995641.47201
610	431810.49930	997174.44219
611	430977.82331	998554.86054
612	432231.82965	995915.61873
617	431571.63014	997177.26844
618	431575.41819	997187.22432
620	431157.92095	998552.75147
621	431988.51840	997222.33940
622	431913.03328	997223.23253
623	433168.65864	993490.82821
624	433110.90257	993491.74598
625	436576.93092	990607.57608
626	436440.21509	990609.03973
627	437629.43174	990154.33242
628	431338.01860	998550.64241
629	414717.78514	988025.38093
630	411947.18756	988032.55429
631	437998.19938	989995.82567
632	436709.65492	990085.32732
633	436444.97681	986274.78846
634	434708.43650	989676.94787
635	432357.96457	988488.63226
636	434456.34651	989548.27535
637	432634.41004	988618.31713
638	430550.56349	992700.90486

CALCULATED POINTS		
PT.	NORTHING	EASTING
640	431412.42763	997138.50824
641	431298.44975	997270.50695
645	444008.57573	989699.12093
646	443969.96444	990148.38164
647	442781.67161	989613.31439
648	442810.48727	989601.61383
649	440264.84676	989899.22168
650	434246.90035	991571.73226
651	434158.15510	991573.05256
652	432279.76805	997218.89339
654	431229.16920	997231.32387
655	433857.94357	991612.54150
656	433928.72047	991661.65973
657	434305.09152	991616.87095
666	436735.64226	989827.08588
667	436731.55711	989356.10689
668	436313.58206	989360.54226
669	436312.86954	989278.47472
671	435697.86019	989122.23501
672	434998.08146	989132.36188
673	434998.92791	989197.36354
679	402343.29527	985895.61204
680	403136.79585	986256.10954
681	403590.24844	986335.76222
682	403919.59905	986348.39629
683	403926.94652	985881.54660
685	405346.14213	986602.69276
686	406525.21230	986899.68731
687	406621.55029	986563.20701
689	408561.48848	987170.64149
693	405204.26424	986214.83734
696	412528.94816	988180.92959
697	412529.02819	988193.39145
698	412598.65951	988200.55346
699	412600.46363	988184.72244
700	412736.72395	988194.12241
701	412736.31421	988200.61271
709	415044.81579	988149.79481
718	419114.44385	987546.72433
719	419104.44956	987547.06231
720	419080.76967	986846.82800
721	418930.85536	986851.89767
724	419141.85564	988346.29866
725	419131.86182	988346.65035
728	419156.42807	989044.74425
734	422526.19985	988249.70378
735	422666.66236	988260.73225
736	423293.28782	988357.62862
737	423464.56585	988428.46231
738	423634.79323	988535.74555
739	423849.77286	988725.89040
740	424242.93814	988871.60147
741	424299.95711	988870.78376
742	424360.51086	988947.15285
743	423209.37759	988000.26042
746	424553.98141	987913.67076
747	424482.20412	989063.88284
748	424531.77210	988877.42138
749	424850.43463	988838.60286
750	424835.39610	987983.73970
751	425359.27000	988500.80049
752	425572.44935	988411.77922
753	425739.56373	988365.91781
755	424314.52388	987416.13762
756	424458.50915	987414.07748

CALCULATED POINTS		
PT.	NORTHING	EASTING
757	424313.28208	987329.34651
758	424321.10442	987246.97490
759	424463.49314	986713.94224
760	424313.50849	986716.08822
761	419199.55017	988095.25164
762	419610.99594	1010859.85372
764	421834.44002	987894.46669
765	421804.31004	987816.75986
767	413668.47490	985864.26792
768	413692.52114	986463.03527
769	406059.23410	986769.58475
770	413697.24050	986621.59189
771	421336.36970	986531.54816
772	413731.22900	987254.65153
773	413735.12307	987295.60682
774	406129.98237	988018.71019
775	413767.20566	987834.68883
776	413776.52857	988221.60652
777	406139.30528	988405.62789
778	413767.53430	988819.34940
779	413765.21751	988862.06662
780	421393.44653	989275.78813
781	413755.46102	989424.85486
782	413769.97365	990168.46326
783	421407.95916	990019.39653
784	413779.11523	990421.62007
785	413780.09664	990440.23422
786	406151.25271	990842.45776
787	413789.23533	990693.24292
788	413790.56534	990761.32334
789	413698.36331	986679.54101
790	413772.20789	988042.29045
792	413580.43592	986338.76863
793	413605.11204	986730.45820
801	413290.63107	987152.92175
802	412420.05383	986838.66780
804	412492.25646	987827.77599
808	413517.13714	986732.55970
810	412217.80578	984068.05981
816	413697.40627	988655.49168
817	413697.32221	988661.88721
818	413699.77755	988787.10091
820	413693.13930	989037.28323
821	413694.10276	989086.91706
822	413696.89433	989229.73181
823	413698.35950	989306.91941
824	413699.23460	989395.93912
826	413821.38442	989276.76542
831	414715.90480	988189.12655
832	413755.72059	989438.15504
833	413756.28729	989467.19187
836	413769.83343	990161.27835
837	413769.73491	990156.23062
853	413699.40118	989412.88548
859	413823.29905	989373.82155
860	413848.29419	989373.32847
861	413848.24732	989398.32842
866	413642.18651	988329.09684
867	424234.60872	988290.79119
869	408435.71531	987082.62227
870	408443.48334	987448.90926
871	411091.71753	988093.31072
872	411083.43655	987734.40727
873	411088.20953	987941.27151
875	408440.05445	987291.90057

CALCULATED POINTS		
PT.	NORTHING	EASTING
876	413721.49433	988043.19734
877	416361.75412	987995.98224
878	416358.68851	987846.01308
879	421720.15020	987849.39388
880	421730.67319	988266.17005
881	422302.40487	988081.67078
882	424409.97264	988214.86154
883	421423.44186	987862.19699
884	404929.29568	987188.55562
885	404308.29344	986625.67475
886	408156.18402	982380.46273
887	403820.41908	986126.02402
888	403238.97776	985452.96257
889	403961.60525	984828.70236
890	403044.19592	985093.75220
891	403304.54817	985467.67724
892	403321.97419	985189.15260
893	403344.94818	985229.00478
894	403347.04020	985516.86491
895	403698.45115	985908.35216
896	403486.02570	985555.37504
897	403425.48702	985607.67293
898	403450.19093	985636.26954
899	403463.21813	985636.05250
900	403731.24060	986022.79332
901	404559.02259	986852.93744
902	402948.12507	985121.50815
904	403082.62425	985082.64982
910	439033.29988	990182.52955
911	440143.24117	990238.21168
912	440393.07745	990220.63793
913	441255.40772	989698.17350
914	441366.34519	989712.61282
915	441596.53669	989708.98957
916	440268.23488	990236.95776
917	440262.53648	989668.92694
918	440089.54888	989680.70980
919	440134.21272	989686.19995
920	442909.16438	989740.16000
921	442912.99376	990212.91721
922	442906.55880	989418.48858
923	442905.86235	989332.50813
924	438923.51208	990213.21337
925	443019.91574	989728.43961
926	403012.24092	985288.68570
928	402185.64730	984989.29073
931	404918.09208	986671.40659
932	405348.93558	987523.61853
933	403966.29164	987204.20152
937	404622.55382	986964.50888
938	404615.83799	986971.91817
939	404422.90273	986797.04028
940	404257.92469	986681.24442
941	404056.84755	986925.22055
942	404351.67065	986016.94161
943	405778.41320	986480.05556
944	403128.07226	985294.65736
945	402982.96837	985514.80992
946	402163.54727	985943.96496
947	405544.22569	986588.87092
959	403814.71284	985967.61475
960	410738.85809	987950.07316
961	412439.07242	988066.13057
962	420311.45721	987925.35069
963	424198.91808	988230.57631

CONTINUED ON RS-32

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REVISIONS DATED 2/27/15 FOR MICHAEL BAKER JR., INC.

Professional Land Surveyor AZ No. 21782

Digitally signed by Scott A. Nelson
Date: 2015.06.22 17:45:19 -07'00'

(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	2-27-15	SAN	REVISE COORDINATES FOR PT 668

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelsonehubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19

LOCATION: SAN XAVIER RD - JCT I-10

ORIGINALLY SEALED BY SCOTT A. NELSON R.L.S. NO. 21782 1/30/14 FOR HUBBARD ENGINEERING

SHEET RS-31

6/22/2015 5:36:24 PM H:\PDATA\148212.H8467 Ajo Way TI\CADD\Mapping\Hubbard ROS\019-w057_rs31.dgn

RESULTS OF SURVEY

CONTINUED FROM RS-31

CALCULATED POINTS		
PT.	NORTHING	EASTING
964	432878.65226	988149.65456
965	427066.18262	988353.52980
966	427066.72751	988403.78822
967	427219.45932	988402.36429
968	427218.75322	988329.75687
969	427283.21153	988319.19634
970	428286.37793	988309.84375
971	428307.97696	990626.57307
972	428488.37599	988316.77709
973	428700.85892	988333.37238
974	428672.66960	988694.30323
975	428921.22709	988431.08299
976	429259.75218	988072.58783
977	429225.69317	988564.48010
978	429549.88545	988815.14933
979	429362.41550	989057.60553
981	429670.27828	989354.25414
982	429730.27763	989353.97513
984	427216.29946	988077.43963
986	429105.49384	988059.82654
987	429099.96587	987466.89231
988	429248.77591	988040.87588
989	429199.83927	987852.11623
990	429339.00794	987988.70715
991	429433.72737	987892.20495
992	429010.55069	987476.84600
993	429603.50413	987474.05663
994	429601.72660	987096.19487
995	429559.72706	987096.39245
998	429794.44221	987035.28764
999	429843.64715	987291.31530
1445	419094.71940	989423.76039
1993	435769.18759	991423.71485
2000	433309.26283	989316.96302
2001	433341.00254	989316.68204
2002	433684.33563	989659.78881
2004	433467.13998	989447.17979
2005	433468.07898	989547.33109
2006	433592.98917	989546.18607
2007	430130.12398	987289.96765
2008	429965.16895	987524.19111
2009	430433.46016	987853.99152
2010	430933.21379	987144.37980
2011	430790.91323	988000.56497
2012	431287.07704	988083.02889
2026	413695.70394	986542.28908
2027	413703.94695	986967.71627
2028	413760.69732	987564.58048
2029	413783.73422	988520.65405
2030	413749.96568	989143.28090
2031	413772.44550	990295.11746
2032	413786.76247	990566.66284
2033	419042.96642	987948.03480
2036	427064.55994	988203.85974
2037	424362.21656	989065.61057
2038	429724.81407	988179.05801
2039	432358.62961	988561.03725
2040	432356.79252	988361.02888
2041	432357.39331	988426.43885
2042	429780.27709	989353.74262
2043	429803.53074	988978.13843
2045	430060.28765	988402.41879
2047	430561.31542	988322.22378
2048	432360.14655	988726.18977
2049	429258.09543	988038.21088

CALCULATED POINTS		
PT.	NORTHING	EASTING
2050	437628.86924	990021.47916
2051	435652.39171	990158.76429
2052	432498.34819	988548.86804
2053	404088.58610	985931.54559
2054	403820.58816	985999.97853
2055	403877.60811	986191.22055
2056	402768.57448	985745.65520
2057	402501.12227	985951.77959
2058	402895.07576	985648.16115
2059	405216.69903	986520.44313
2068	434493.37954	990812.83141
2069	434443.37552	990813.57184
2070	434441.00755	990659.24802
2071	437101.64613	990601.95862
2072	435025.79633	991286.02909
2073	433388.86022	993275.07482
2074	432429.48771	995061.01632
2076	432465.44929	997828.73119
2077	434390.21146	990579.68349
2078	434140.30839	990209.67255
2079	435006.95089	989813.48064
2080	403407.57887	985464.56703
2081	403102.24567	985294.68504
2082	404049.10324	986390.74290
2083	404956.15901	987158.91846
2084	404902.43234	987218.19278
2085	433275.94709	997164.74363
2087	432458.62291	997216.35366
2089	437552.82474	986286.04597
2090	436868.73443	991163.67716
2094	435043.66691	987891.97137
2095	437507.66705	987923.47691
2096	436942.59845	987887.77589
2103	437126.65763	987931.46854
2105	437077.19433	987864.21585
2111	435939.42514	987952.85097
2112	435939.60521	987962.84935
2113	435893.61267	987963.67769
2114	435893.43260	987953.67931
2121	435134.58327	987850.32746
2125	436701.12751	987939.13248
2131	437629.42572	990152.91209
2132	437702.77331	989762.47395
2133	437627.77398	989762.79150
2139	413749.03576	989411.90634
2140	413669.44463	985864.24476
2156	403934.47980	986227.38682
2157	403654.80748	986050.34281
2158	403388.47113	986122.94369
2159	403159.16428	986164.40024
2160	402934.60622	986024.06908
2161	402950.55976	985917.34884
2163	434982.58324	987881.35135
2164	403180.34135	985323.89731
2165	427216.10198	988057.13267
2166	430741.99273	988021.71257
2168	437681.29726	990595.53421
2169	438217.19315	993386.54797
2170	432910.26373	993280.58785
2207	429823.65991	988653.04571
2208	437552.77465	989763.10904
2212	403646.66548	988603.62629
2213	405522.65218	988245.52138
2214	405483.36162	988253.02151
2215	405561.94274	988238.02125

CALCULATED POINTS		
PT.	NORTHING	EASTING
2216	405402.81978	987617.76127
2217	411946.56220	998655.86491
2218	412227.13584	991470.55567
2219	412226.71262	987847.16008
2220	412763.43524	987807.98056
2221	413530.07993	987274.38278
2223	413848.47647	989409.94467
2230	413780.65221	986332.23251
2233	413790.23639	986733.45435
2238	413807.21227	986815.99150
2239	413808.16750	986855.98009
2241	413600.70354	986336.53103
2383	424474.72478	987498.93165
2385	424337.37610	987335.74635
2386	424338.52143	987415.79427
2387	424423.39479	989147.00408
2388	424489.38313	989562.45102
2389	424369.39557	989564.17875
2390	424364.04340	989192.48068
2391	424348.82791	989177.60240
2392	424098.83083	989179.60515
2393	424097.96695	989119.61015
2395	424362.74758	989102.48879
2396	419006.52086	989050.01956
2397	418974.64880	988144.31806
2398	418949.23454	988145.21240
2399	418948.77596	988119.78653
2400	418868.78897	988121.22917
2401	429792.81857	987115.29616
2402	429719.58417	987065.64012
2403	429792.58336	987065.29671
2404	429842.81801	987115.06095
2405	424397.94262	987374.91191
2406	424422.21034	989064.74670
2409	413680.68072	986334.62058
2411	434423.95317	990629.64207
2417	432759.69034	995618.98779
2418	432720.37104	995619.59127
2419	432686.37783	995735.12656
2420	430595.45619	987968.07942
2421	429844.34234	987439.09734
2422	429842.58280	987065.06151
2423	431171.01654	988286.48205
2424	430752.28401	991120.53510
2425	430045.48464	988344.27353
2426	430139.72308	988714.43592
2427	429764.75586	988641.60454
2428	429755.66034	988791.07119
2429	430602.45357	988202.47663
2430	429810.90798	988403.99364
2431	429755.19421	988690.83205
2432	425075.62989	993899.05022
2433	437541.30622	990597.25173
2434	437569.76781	987923.48799
2435	437564.76209	987923.57815
2436	433640.40023	991105.51370
2437	433633.20932	990636.21938
2438	433330.74851	991110.08998
2439	433338.31619	991585.24404
2441	433020.55099	991114.67948
2442	433013.14275	990641.57145
2443	433323.18906	990638.89530
2444	433626.56816	989926.54381
2446	433006.84678	989931.86059
2447	432696.87237	989934.51301

CALCULATED POINTS		
PT.	NORTHING	EASTING
2448	432371.98709	989937.27809
2449	432703.12949	990644.24732
2450	432710.52158	991119.15245
2451	432717.86654	991594.26499
2452	432383.24760	991599.21669
2454	432691.15171	989292.43365
2455	433000.92221	989289.69328
2456	433346.44390	989898.92140
2457	433596.28706	989896.79986
2460	422824.26374	987972.18311
2461	429753.92782	988418.50003
2463	433942.98778	990633.54554
2464	433950.14115	991100.90583
2466	433311.00371	989316.94761
2467	433272.60485	989287.28636
2469	403450.13662	985636.20666
2482	429817.88587	997248.02188
2483	433385.96826	993773.77246
2487	432402.76368	993502.72402
2488	413670.86955	985923.89626
2489	405780.74012	986342.83867
2490	405787.59197	986704.48111
2491	405784.65441	986549.43628
2492	403398.08215	985637.13770
2493	403134.35675	986105.17908
2494	403135.07046	986149.34350
2496	402885.27473	985639.22362
2497	402742.74340	985637.78841
2498	400489.59015	986029.91222
2499	403028.12054	985179.67355
2645	432462.10688	995861.30665
2646	431085.52168	995456.07207
2647	432025.98488	996539.92208
2648	432343.42207	996264.47991
2649	432446.10242	995912.16628
2650	432444.14917	995917.95215
2651	431844.47509	996763.61805
2652	431436.04975	996945.91405
3076	431282.15842	988112.62293
3077	430785.99461	988030.15901
3078	430416.18617	987878.51925
3079	429947.89496	987548.71884
3080	429813.64748	987291.45642
3081	429812.44201	987035.20296
3195	425737.67525	988216.23038
3196	419122.89330	987796.58150
3197	419037.89611	987798.10148
3198	419048.06491	988097.98957
3199	419133.06346	988096.45331
3225	418932.74502	986907.77631
3226	418942.09382	987491.25142
3227	418692.12591	987495.25656
3228	418718.41185	987743.87082
3229	418036.04526	987816.01733
3234	435024.14698	991154.32795
3241	435024.77467	991204.44903
3242	434133.27067	991547.66532
3243	433721.73263	992098.69629
3247	434103.70289	991508.68576
3249	434133.24529	991547.67509
3251	433162.47605	992768.99328
3252	433192.84451	992806.87650
3253	433099.69409	993522.48960
3268	433551.65564	992247.87983
3269	433378.54597	992492.79508

CALCULATED POINTS		
PT.	NORTHING	EASTING
3270	434993.71026	993512.01513
3271	433125.00784	993117.65900
3272	433078.52261	993413.95203
3273	433431.94628	992408.17128
3274	433104.34619	993215.56650
3279	427901.52607	992832.73695
3280	432898.23224	994303.65072
3281	432858.79295	994437.62631
3282	434788.01950	991295.59639
3283	434511.04426	991410.64052
3284	435334.94408	993133.64712
3285	433899.10644	991874.30872
3286	433713.41614	992109.82846
3287	434601.31831	991367.47367
3288	433833.12550	991949.53701
3300	433066.66114	993505.07583
3301	427418.04650	992782.91696
3302	432914.42233	994400.92183
3303	432900.04278	994449.76930
3306	433013.82496	993910.98132
3308	433041.57429	993968.98557
3309	433582.02410	992285.76306
3310	433408.91443	992530.67830
3311	435024.07873	993549.89835
3312	433155.37630	993155.54223
3313	433108.89107	993451.83526
3314	433462.31474	992446.05450
3315	433134.71466	993253.44972
3317	432409.54644	996039.85490
3318	425081.04533	993882.51508
3319	431492.43888	998036.43809
3320	432879.41786	994443.69780
3321	436523.77902	990576.99107
3322	436440.54174	990609.03623
3324	434235.62215	991571.90005
3325	433096.91543	993278.43778
3326	433133.10509	993278.02090
3327	433068.30817	993492.42282
3328	433103.68101	993491.86073
3329	432526.94169	995641.06227
3330	432447.13811	995912.15567
3331	432444.19597	995922.15015
3332	432096.05725	997104.78025
3333	431951.53981	997222.77692
3335	432833.57174	993562.51905
3342	434758.47728	991256.60699
3344	435305.40211	993094.65835
3345	433869.56392	991835.31955
3346	433683.87362	992070.83929
3347	434571.77609	991328.48427
3348	433803.58298	991910.54784
3349	434151.01734	991573.15875
3350	434056.43689	991577.24522
3355	433804.72508	991990.84688
3356	433638.08613	992240.20986
3358	433744.84997	992071.02014
3359	434025.00624	991538.98285
3375	434756.58902	991257.33394
3376	434479.61378	991372.37808
3377	435303.51360	993095.38467
3378	433773.29443	991952.58450
3379	433606.65548	992201.94748
3380	434569.88783	991329.21123
3381	433713.41931	992032.75776
3382	434446.61222	991303.36252

CALCULATED POINTS		
PT.	NORTHING	EASTING
3394	433866.01854	992036.62214
3395	433478.91537	993537.09748
3397	442923.55138	989447.96211
3398	442960.99972	989540.49843
3400	431673.46562	996746.50694
3404	431439.31778	996949.67843
3405	431438.35476	996963.40574
3406	431172.24161	997181.99392
3409	436008.63028	991515.16902
3413	436143.33487	991366.91410
3414	436143.98654	991409.47030
3415	436048.62819	991514.55765
3421	430762.50984	997146.55048
3422	430715.45736	997187.39878
3423	430646.54609	997238.21734
3424	430563.85210	997299.19996
3426	430825.28781	997342.10993
3429	431066.41043	997273.25239
7075	402979.70247	985640.17445
7076	403921.43274	985628.41839
7101	438201.07147	989931.25747
7102	439030.38758	989918.38408
7103	438730.53102	989926.96580
7104	438939.71466	993740.95225
7105	437708.37218	990125.14720
7106	437427.03575	990229.25015
7107	438830.39689	989921.48851
7108	437613.69551	990157.38881
7109	434150.06928	991573.17285

Click here for I 10 Index

REVISIONS DATED 9/29/14 FOR MICHAEL BAKER JR., INC.

Professional Land Surveyor AZ No. 21782

Digitally signed by Scott A. Nelson
Date: 2015.06.22 17:46:15 -07'00'

(Expires 9-30-15)
ELECTRONIC SEAL
http://www.btr.state.az.us/

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS
N/A	9-29-14	SAN	REVISE PTS 967, 968, 984 AND 2165;
			REMOVE PT 2381

DRAWING NO.	D-10-T-419
SURVEY	June 2011
DRAWN/DATE	J. Haws/May 11
ADOT REVIEW	S. Parker

HUBBARD ENGINEERING 480-892-3313 Mesa, AZ
snelson@hubbardengineering.com Job # 10210

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: NOGALES - TUCSON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 019 PM 057 H5105 01R

ROUTE NO.: I-19

LOCATION: SAN XAVIER RD - JCT I-10

ORIGINALLY SEALED BY SCOTT A. NELSON R.L.S. NO. 21782 1/30/14 FOR HUBBARD ENGINEERING

SHEET RS-32

019rw057_rs32.dgn

6/22/2015 5:37:34 PM H:\PDATA\148212.H8467 Ajo Way TI\CADD\Mapping\Hubbard RDS\019-w057_rs32.dgn