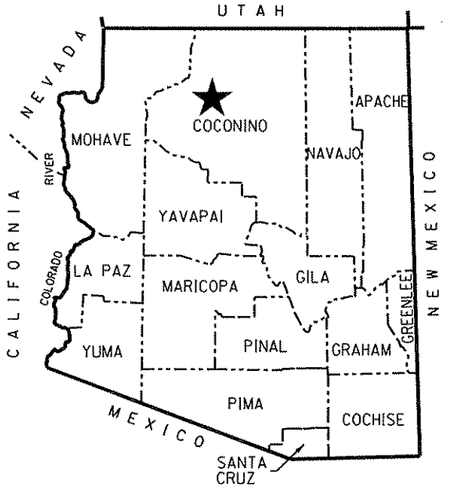
RESULTS OF SURVEY

WILLIAMS-GRAND CANYON-CAMERON HIGHWAY
JCT. I-40-TUSAYAN
064 CN 185 H7142 01R

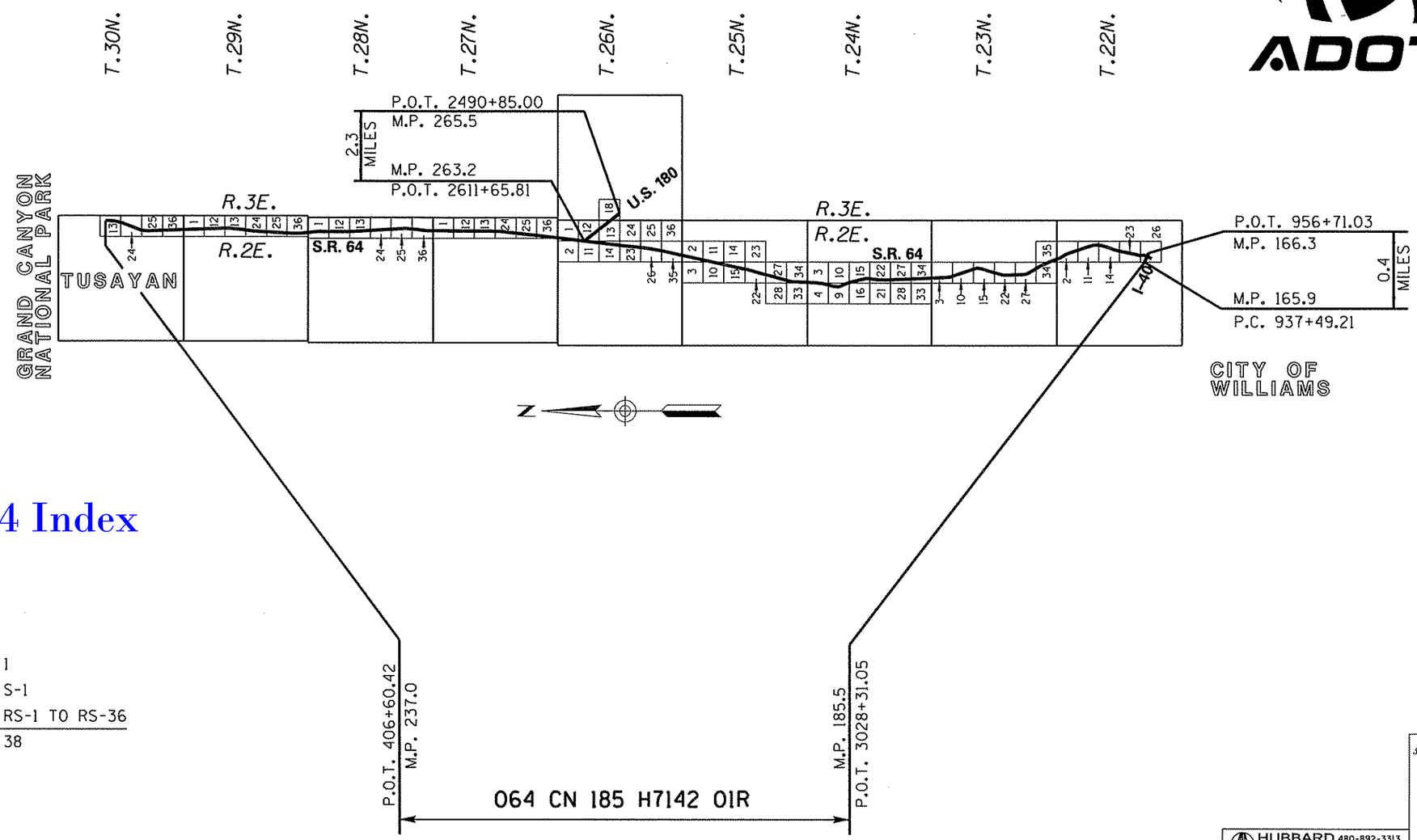
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION

ADOT



★ PROJECT LOCATION

COUNTY NAME: COCONINO
LENGTH OF PROJECT: 54.2 MILES
ADOT DISTRICT: FLAGSTAFF (F)
DRAWING NUMBER: D-03-T-694



Click here for SR 64 Index

SHEET INDEX

COVER SHEET	1
STANDARD ABBREVIATIONS & SYMBOLS	S-1
RESULTS OF SURVEY	RS-1 TO RS-36
TOTAL SHEETS	38

064rw185_cvr.dgn

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:30:19 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/

Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.cfsds.org/roster.asp

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 08121

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

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 Δ

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

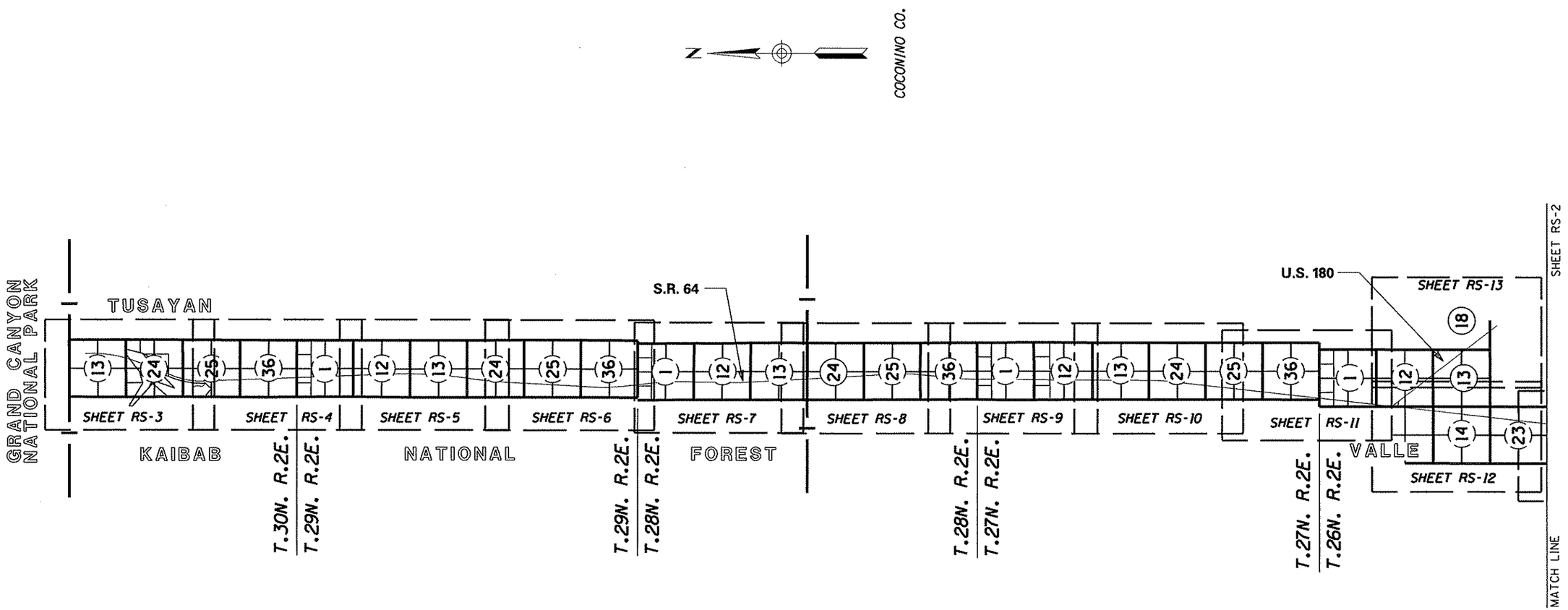
MP 115 — Mile Post Marker

Click here for SR 64 Index

064rw185_std.dgn

DRAWING NO.	D-03-T-694	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	Professional Land Surveyor AZ No. 19817 Digitally signed by Jim Crume Date: 2010.02.12 14:46:42 -07'00' (Expires 6-30-11) ELECTRONIC SEAL http://www.btr.state.az.us/ Certified Federal Surveyor No. 1293 (Expires 10-2-11) http://www.ofeb.org/roster.asp
SURVEY	Aug 2008		
DRAWN/DATE	Tabatha/Nov 08	HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON	
ADOT REVIEW	Ken Richmond	FEDERAL AID NO.: UNASSIGNED	
HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@hbeaz.us Job # 08121		PROJECT NO.: 064 CN 185 H7142 01R	
ROUTE NO.: S.R. 64		LOCATION: Jct. I-40 - Tusayan	SHEET S-1

RESULTS OF SURVEY



KEY MAP LAYOUT

Click here for SR 64 Index

0 2500 5000
Scale

064rw185_rs01.dgn

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jordan/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 08121

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

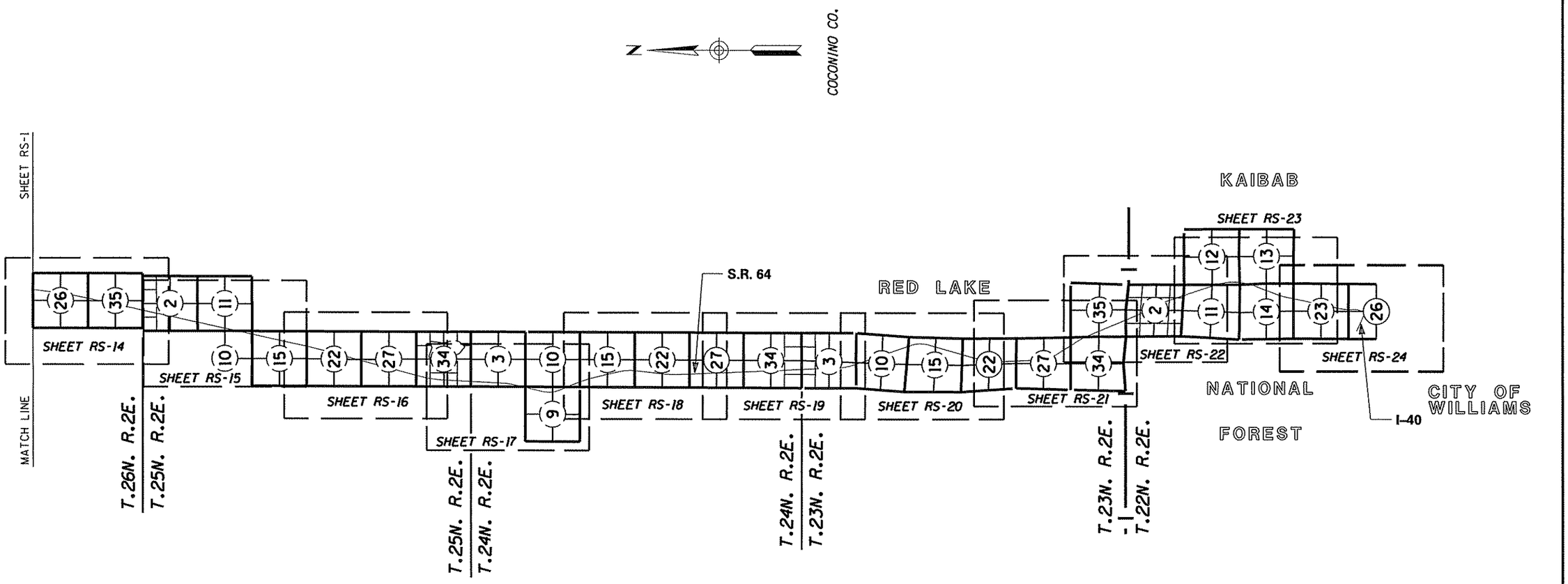
HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R

ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:39:59 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofeb.org/roster.asp

SHEET RS-1

RESULTS OF SURVEY



KEY MAP LAYOUT

Click here for SR 64 Index

0 2500 5000
Scale

064rw185.rs02.dgn

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jordan/Nov 08
ADOT REVIEW	Ken Richmond
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121
ROUTE NO.:	S.R. 64
LOCATION:	Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:37:58 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1393
(Expires 10-2-11)
http://www.ofeb.org/roster.asp

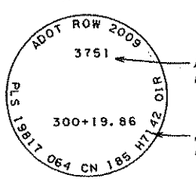
SHEET RS-2

RESULTS OF SURVEY

Click here for SR 64 Index

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.



** Re-established from found Monument to the North (3514) and found Monuments to the West (3516 & 3517). Record distances were held as shown on B.L.M. 1247-C Plat from these Monuments to this corner

COCONINO CO. | KAIBAB

GRAND CANYON NATIONAL PARK

HES 401

TUSAYAN NATIONAL FOREST

TRACT 37 | TRACT 38

MATCH LINE

SHEET RS-4

T.30N. R.3E.

T.30N. R.2E.

3001 Sec. Cor. Fd. 3" A.C. USFS on 3/4" Bar In Mound of Stones 1989, LS 18545

3002 1/4 Cor. Fd. 3" USFS Cap on 2 1/2" IP .5 up 1989, LS 18545

3008 Sec. Cor. Fd. 3" BLM Cap on 2 1/2" IP .2 UP In mound of stone 1954

3000 1/4 Cor. Fd. 3" BLM Cap on 2 1/2" IP .2 UP 1954

3038 Sec. Cor. Fd. 3" BLM Cap on 2 1/2" IP .2 UP In mound of stone 1954

3049 1/4 Cor. Fd. 18x10x8 Limestone No visible markings

N00°07'20"E 2649.46'

N00°10'41"E 2644.91'

N00°11'00"E 2648.03'

N00°09'19"E 2647.89'

N00°17'07"E 2649.82'

See Detail "A" on Sheet RS-25

See Detail "B" on Sheet RS-25

See Detail "C" on Sheet RS-25

See Detail "D" on Sheet RS-25

See Detail "E" on Sheet RS-25

3007 Closing Cor. AP5 Fd. 3" BLM Cap on 2 1/2" IP .2 up 2001

3016 Closing Cor. AP4 Fd. 3" BLM Cap on 2 1/2" IP .5 up In Well 2001

3029 AP3 Fd. 3" BLM Cap on 2 1/2" IP .2 up 2001

P.O.T. 354+85.12

3760 3761 3762 3721 3722

4034 C1/4 Cor. Not searched for Calculated By Intersection

P.O.T. 355+36.03

DETAIL "1"

3751 3753 3015 3690 3750 3009 3687 3747 3686 3748 3749 3010 3719 3754 3752

S03°26'55"E 265.74'

P.O.C. 300+23.98 L.T.B. S01°59'21"W 1264.10'

P.O.T. 406+60.42

P.O.T. 409+26.16 BK P.C. 291+22.34 AHD EQUA

P.C.C. 309+72.63 L.T.B. S07°42'38"W

Exist R/W ℄

S.R. 64

100'

217

P.O.C. 327+12.88 L.T.B. S16°01'18"W

872.50'

N89°39'16"E 2650.78'

4796 4795 3018 3755 3019 3020 3693 3042 3021 3720 3756 3757 3023 3022 3024 2592.71' 3025 3033 3759

See Detail "BO" on Sheet RS-27

See Detail "BP" on Sheet RS-27

P.I. 338+46.42

S21°26'06"W 3484.73'

3027 3758 3026 3030

3037 AP2 Fd. 3" US FS Cap on 2 1/2" IP .2 up 1916

AP2

3043 N00°07'18"E 2642.48'

3034

3039 1/4 Cor. Fd. 3" BLM Cap on 2 1/2" IP In mound of stone 1954 N00°20'17"E 2644.29'

See Detail "F" on Sheet RS-25

3765 3764 3763 3036 3694 3723 3766 3518

P.O.T. 373+31.15 BK P.C. 373+37.00 AHD EQUA

976.25'

P.O.C. 383+57.85 L.T.B. S13°38'10"W

Exist R/W ℄

See Detail "2"

3035 3032 3031 AP1 Fd. 3" BLM Cap on 2 1/2" IP .2 up 2001

See Detail "I"

N00°07'18"E 2640.04'

3028 AP3 Fd. 3" BLM Cap on 2 1/2" IP .2 UP 2001

2629.67'

N89°49'36"E 2647.86'

N89°56'36"E 2646.29'

N89°55'49"E 2642.56'

3035 Sec. Cor. Fd. 3" BLM Cap on 2 1/2" IP .2 up 1954

3046 1/4 Cor. Fd. 18X10X6 Limestone No visible markings

4033 C1/4 Cor. Not searched for Calculated By Intersection

3003 1/4 Cor. Fd. 3" BLM Cap on 2 1/2" IP In mound of stone 1954

N00°05'18"E 2642.59'

N00°05'18"E 2642.65'

N89°36'23"E 2654.94'

N89°34'29"E 2647.81'

N89°36'23"E 2653.01'

N89°38'45"E 2652.92'

See Detail "L" on Sheet RS-25

See Detail "M" on Sheet RS-25

957.19'

401

(1) EXIST R/W ℄ CURVE DATA

PI 300+50.42 — 3688
Δ=11°09'34" RT
D=00°36'11"
T=928.08'
L=1850.29'
R=9500.00' — 3689

(2) EXIST R/W ℄ CURVE DATA

PI 324+16.44 — 3691
Δ=13°43'28" RT
D=00°28'39"
T=1443.81'
L=2873.79'
R=11997.37' — 3692

(3) EXIST R/W ℄ CURVE DATA

PI 388+99.48 — 3695
Δ=23°32'12.7" LT
D=00°45'50"
T=1562.48'
L=3080.89'
R=7499.80' — 3696

BASIS OF STATIONING

Exist R/W Stationing from P.O.T. 406+60.42 to P.O.T. 373+31.15 BK is based on P.O.T. 406+60.42 as shown on R/W Project B-033-1-707.

Exist R/W Stationing from P.C. 373+37.00 AHD to P.T. 686+87.37 BK is based on P.C. 373+37.00 AHD as shown on R/W Project B-033-1-707.

3045 Sec. Cor. Fd. 3" BLM Cap on 2 1/2" IP .5 up 1970

See Detail "K" on Sheet RS-25

N00°12'05"E 2641.17'

See Detail "J" on Sheet RS-25

N00°04'35"E 1320.06'

See Detail "I" on Sheet RS-25

N00°05'47"E 1320.76'

3006 1/4 Cor. Fd. 3" BLM Cap on 2 1/2 IP .5 up 1954

3004 Sec. Cor. Fd. 3" BLM Cap on 2 1/2" IP .1 up In mound of stone 1954

AP1 AP10 AP12 AP11

N00°01'11"E 2631.65'

1270.33'

1367.35'

N00°00'01"E 2637.68'

See Detail "H" on Sheet RS-25

3040 1/4 Cor. Fd. 3" BLM Cap on 2 1/2" IP .2 UP In mound of stone 1954

S89°47'06"W 2623.33'

3514 AP4 Fd. 3" BLM Cap on 2 1/2" IP .5 up

3516 Fd. 3" BLM Cap on 2 1/2" IP .5 up Witness point

N89°47'06"E 1183.53'

N89°47'06"E 1439.79'

3067 1/4 Cor. Fd. 3" USFS Cap on 2 1/2" IP .1 up LS 11369

TUSAYAN AIRPORT

N00°22'06"E 2638.16'

3684 Sec. Cor. SFNF Set 3" A.C. on 3/4" Bar PLS 19817 **

3517 1/4 Cor. Fd. 3" BLM Cap on 2 1/2 IP .5 up 1954

See Detail "G" on Sheet RS-25

4035 C1/4 Cor. Not searched for Calculated By Intersection

(4) SR 64 SPUR ℄ CURVE DATA

PI 6+06.03
Δ=108°00'00" RT
D=19°25'20"
T=406.03
L=556.06'
R=295.00'

P.O.C. 403+68.55 100.00' RT EXIST R/W ℄ L.T.B. S01°43'30"E AT ℄

P.O.T. 1+00.00 SR 64 SPUR ℄

4899 4900 3768 4886 4901 4898 4897 4895 4904 4893 4905 4889 4888 4903 4887 4890 4892 4891

P.C. 2+00.00

P.T. 7+56.06

P.C. 8+56.06

P.T. 18+23.55

P.C.C. 15+48.92

SR 64 SPUR ℄

SR 64 SPUR ℄ WAS NOT DETERMINED BY A SURVEY. IT WAS CALCULATED FROM GEOMETRIC INFORMATION SHOWN ON R/W PROJECT B-033-1-707

DETAIL "2"

(5) SR 64 SPUR ℄ CURVE DATA

PI 12+40.89
Δ=62°04'18" LT
D=08°57'31"
T=384.83'
L=692.87'
R=639.56'

(6) SR 64 SPUR ℄ CURVE DATA

PI 17+27.46
Δ=93°12'12" LT
D=33°56'20"
T=178.53'
L=274.62'
R=168.82'

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
SFNF Searched For Not Found

● New R/W Monument
⊕ Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009
★B Unless otherwise noted, affixed standard ADOT R/W monument on stone w/ PK nail at calculated position in Sept. 2009
★Q Unless otherwise noted, set PK nail w/ washer at calculated position in Sept. 2009

0 250 500 Scale

064rw185_rs03.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.26 12:10:39 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.bir.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofcds.org/roster.asp

SHEET RS-3

RESULTS OF SURVEY

Click here for SR 64 Index

N

COCONINO CO.

KAIBAB

SHEET RS-3

SHEET RS-5

3038
Sec. Cor.
Fd. 3" BLM Cap
on 2 1/2" IP .2 up
In mound of stone
1954

3054
Sec. Cor.
Fd. 20x10x6 Limestone,
No visible markings

3100
Sec. Cor.
Fd. 20X10X6 Limestone,
No visible markings

See Detail "N" on Sheet RS-25

See Detail "O" on Sheet RS-25

See Detail "P" on Sheet RS-25

See Detail "O" on Sheet RS-25

See Detail "R" on Sheet RS-25

R.3E.

R.2E.

NOO°17'48"E 2646.49'

NOO°14'28"E 2647.15'

NOO°19'00"E 2646.27'

NOO°01'37"W 2646.58'

NOO°03'47"E 2647.93'

NOO°17'07"E 2649.82'

3049
1/4 Cor.
Fd. 18X10X8 Limestone
No visiable markings

3099
1/4 Cor.
SFNF
Set 3" A.C.
on 3/4" bar
PLS 19817
Re-establisned
from Bearing Trees

3079
Sec. Cor.
Fd. 36X10X6 Limestone,
No visible markings

3083
1/4 Cor.
Fd.18X18X6 Limestone,
No visiable markings

S89°56'12"E 2648.70'

S89°55'42"E 2650.61'

S89°47'08"E 2641.98'

S89°41'13"E 2629.87'

S89°43'52"E 2627.92'

BASIS OF STATIONING

Exist R/W Stationing from P.C. 373+37.00 AHD to P.T. 686+87.37 BK is based on P.C. 373+37.00 AHD as shown on R/W Project B-033-1-707.

(1) EXIST R/W ℄ CURVE DATA

PI 388+99.48 — 3695
Δ=23°32'12.7" LT
D=00°45'50"
T=1562.48'
L=3080.89'
R=7499.80' — 3696

NATIONAL FOREST

T.30N.
T.29N.

4035
C1/4 Cor.
Not searched for
Calculated
By Intersection

3063
1/4 Cor.
Fd.20X10X6 Limestone,
No visible markings

4333
C1/4 Cor.
Not searched for
Calculated
By Intersection

3419
1/4 Cor.
SFNF
Set 3" A.C.
on 3/4" Bar.
LS 19817
By single
Proportion

4334
C1/4 Cor.
Not searched for
Calculated
By Intersection

3418
1/4 Cor.
SFNF
Set 3" A.C.
on 3/4" Bar,
PLS 19817
By Single
Proportion

NOO°20'17"E 2644.29'

NOO°20'17"E 2646.11'

NOO°03'14"E 2640.55'

NOO°03'14"E 2641.74'

NOO°04'07"W 2648.63'

NOO°04'07"W 2647.32'

See Detail "V" on Sheet RS-25

3039
1/4 Cor.
Fd. 3" BLM Cap
on 2 1/2" IP .2 up
In mound of stone
1954

P.T. 404+17.89

S89°56'12"E 2643.92'

1032.39'

833.61'

3775 ★
3727
3776 ★

3771 ★
3725

3773 ★
3088

3726

Exist R/W ℄

S02°06'06.7"E 17282.00'

S.R. 64

3728
3777 ★
3778 ★

100'

3767 ★
3769 ★
3724

3697
3044
3770 ★
3768 ★

3070

3772 ★

3087

3774 ★

P.O.T. 410+16.90

P.O.T. 436+62.71

P.O.T. 463+04.85

P.O.T. 469+47.31

P.O.T. 515+98.80

1498.89'

S89°49'00"E 2650.59'

S89°47'08"E 2638.27'

1705.27'

2629.87'

1886.31'

S89°43'52"E 2625.84'

See Detail "2" on RS-3

3068

See Detail "U" on Sheet RS-25

NOO°29'00"E 2640.60'

NOO°12'49"W 2639.17'

See Detail "T" on Sheet RS-25

NOO°07'44"W 2637.25'

See Detail "S" on Sheet RS-25

NOO°09'20"W 2650.68'

NOO°09'20"W 2646.71'

NOO°22'06"E 2638.16'

3684
Sec. Cor.
SFNF
Set 3" A.C.
on 3/4" Bar
PLS 19817
SEE RS-3

3067
1/4 Cor.
Fd. 3" USFS Cap
on 2 1/2" IP,
In mound of stone,
LS 11369

3066
Sec. Cor.
Fd. 20X12X6 Limestone,
No Visible Markings

3086
1/4 Cor.
Fd. 24X12X10 Limestone,
No visible markings

3080
Sec. Cor.
Fd. 24X12X11 Limestone,
No visible markings

3417
1/4 Cor.
SFNF
Set 3" A.C.
on 3/4" Bar.
PLS 19817
By Single
Proportion

3415
Sec. Cor.
SFNF
Set 3" A.C.
on 3/4" Bar,
PLS 19817
Re-established
from Bearing Trees

MATCH LINE

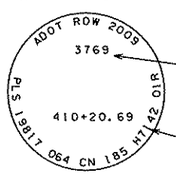
MATCH LINE

0 250 500
Scale

064rw185.rs04.dgn

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.



LEGEND

302 Set Monument
300 Found Monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009
301 Calculated position
Existing ADOT R/W monument
New R/W Monument
SFNF Searched for not found

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@hbez.us Job # 08121

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

SHEET RS-4

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:34:03 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/

Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.cfedz.org/trainer.asp

RESULTS OF SURVEY

Click here for SR 64 Index

SHEET RS-4

SHEET RS-6

KAIBAB

NATIONAL

FOREST

COCONINO CO

T.29N. R.3E.

T.29N. R.2E.

N00°03'47"E 2647.93'

3100
Sec. Cor.
Fd. 20X10X6 limestone
No visible markings

1/4 Cor.
SFNF

Sec. Cor.
SFNF

1/4 Cor.
SFNF

3119
Sec. Cor.
Fd. 20X12X6 limestone
No visible markings

3109
1/4 Cor.
Fd. 24X10X5 limestone
No visible markings

S00°09'10"E 2643.93'

See Detail "W"
On Sheet RS-25

See Detail "X"
on Sheet RS-25

See Detail "Y"
on Sheet RS-26

3083
1/4 Cor.
Fd. 18X18X6 limestone
No Visible Markings

BASIS OF STATIONING

Exist R/W Stationing from P.C. 373+37.00 AHD to P.T. 686+87.37 BK is based on P.C. 373+37.00 AHD as shown on R/W Project B-033-1-707.

(2)
EXIST R/W ℄
CURVE DATA
PI 671+92.76 ← 3703
Δ=04°54'13" LT
D=00°09'50"
T=1496.43'
L=2991.04'
R=34949.24' ← 3704

N89°59'28"W 2637.16'

N89°59'00"W 2641.87'

S89°43'01"E 2621.83'

N00°04'07"W 2647.32'

3418
SFNF
1/4 Cor.
Set 3" A.C.
on 3/4" Bar.
PLS 19817
By Single Proportion

C1/4 Cor.
Not Searched
For, Position
Not Calculated

3096
1/4 Cor.
Fd. 20X10X6 limestone
No visible markings

C1/4 Cor.
Not Searched
For, Position
Not Calculated

3123
1/4 Cor.
Fd. 18X10X5 limestone,
No visible markings

S00°03'02"E 2654.12'

4335
C1/4 Cor.
Not Searched
For Calculated
By Intersection

See Detail "BR"
on Sheet RS-27

See Detail "AC"
on Sheet RS-26

S00°26'00"W 5306.20'

S00°06'54"E 5298.27'

S00°03'02"E 2643.57'

4334
C1/4 Cor.
Not Searched
For Calculated
By Intersection

3779 ★
215

3098
3781
★ 3783
3730

Exist R/W ℄

3130

3785
3128

3787 ★
3731
3702

3790 ★

3791 ★
3732

3115
1/4 Cor. FD.
18X10X6 limestone
No Visible Markings

S02°06'06.7"E 17282.00

P.O.T. 542+48.19

3729
3780 ★

3097
3782
P.C. 576+99.89
3698
3093
483
★ 3784
P.O.C. 595+58.62
L.T.B. S00°33'06"W

S.R. 64

3131

3701
3129
3786

P.C. 656+96.33

S08°02'50"W 887.21'

P.T. 648+09.12

N89°54'14"W 2661.30'

1794.29'

P.O.T. 648+76.06

3132
3789

P.O.C. 675+41.01
L.T.B. S05°01'23"W

★ 3792

S89°59'00"E 2670.83'

1476.74'

★ 3788

3151
Sec. Cor.
Fd. 5/8" rebar 4" up, replaced
with 3" A.C. on 3/4" Bar,
PLS 19817

(1)
EXIST R/W ℄
CURVE DATA
PI 612+63.83 ← 3699
Δ=10°08'56.7" RT
D=00°08'34"
T=3563.94'
L=7109.23'
R=40134.65' ← 3700

N89°48'52"W 2645.38'
2191.70'

S89°43'01"E 2621.83'

3417
1/4 Cor
SFNF.
Set 3" A.C.
on 3/4" Bar.
PLS 19817
By Single Proportion

See Detail "AB"
on Sheet RS-26

See Detail "BQ"
on Sheet RS-27

See Detail "AA"
on Sheet RS-26

See Detail "Z"
on Sheet RS-26

N00°09'21"E 2647.26'

3415
Sec. Cor.
SFNF
Set 3" A.C.
on 3/4" Bar.
PLS 19817
Re-established
From Bearing Tree

1/4 Cor.
SFNF

3176
Sec. Cor.
Fd. 12X8X4 limestone
4 Notches on South Side

1/4 Cor.
SFNF

3133
Sec. Cor.
Fd. 12X8X6 LIMESTONE
No visible markings

3148
1/4 Cor.
Fd. 24X10X8 limestone
No visible markings

S00°01'26"E 2650.27'

N00°09'20"W 2646.71'

MATCH LINE

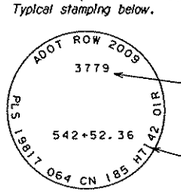
MATCH LINE

0 250 500
Scale

064rw185.rs05.dgn

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.



LEGEND

302 Set Monument

300 Found Monument

★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

301 Calculated position

Existing ADOT R/W monument

New R/W Monument

SFNF Searched for not found

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Becky/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 08121

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

SHEET RS-5

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:32:11 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/

Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofdc.org/certs.asp

RESULTS OF SURVEY

Click here for SR 64 Index

KAIBAD

SHEET RS-5

SHEET RS-7

3109
1/4 Cor. Fd.
24X10X5 limestone
No visible markings

Sec Cor.
Not Searched For

3114
1/4 Cor.
Fd. 20X12X4 limestone
No visible markings

Sec Cor.
Not Searched For

3191
1/4 Cor.
Fd. 30X16X6 limestone
No visible markings

3187
Closing Cor.
Fd. 4X4 Wood Post
up 3.0'

Sec Cor.
SFNF

R.3E.
R.2E.

T.29N.
T.28N.

N00°03'42"E
2326.96' to C.C.

3423
12" Pine
Linetree

See Detail "AD"
on Sheet RS-26

See Detail "AE"
on Sheet RS-26

See Detail "AF"
on Sheet RS-26

(1)
EXIST R/W ℄
CURVE DATA
PI 671+92.76 — 3703
Δ=04°54'13" LT
D=00°09'50"
T=1496.43'
L=2991.04'
R=34949.24' — 3704

BASIS OF STATIONING
Exist R/W Stationing from
P.O.T. 686+57.84 AHD to
P.O.T. 1143+27.12 BK is based
on P.O.T. 686+57.84 as shown
on R/W Project B-033-1-707.

★ STANDARD ADOT R/W
MONUMENT DETAIL
Unless otherwise noted, all set monuments
are 3" aluminum cap on 5/8 " rebar.
Typical stamping below.

ADOT ROW 2009
3795
701+63.50
PLS 19817 064 CN 185 H7142 01R

ADOT R/W
Point No.

ADOT R/W
Project No.

(2)
EXIST R/W ℄
CURVE DATA
PI 780+73.60 — 3707
Δ=09°20'47" LT
D=00°22'57"
T=1224.44'
L=2443.45'
R=14978.95' — 3708

NATIONAL

FOREST

NOO°15'59"W
3.31'

4799
True
Intersection

3205
C.C.

DETAIL "1"

4335
C1/4 Cor.
Not Searched
For, Calculated
By Intersection

3115
1/4 Cor.
Fd. 18X10X6 limestone
No visible Markings

3284
1/4 Cor.
Fd. 20X12X10 limestone
No visible markings

4337
C1/4 Cor.
Not Searched
For, Calculated
By Intersection

3206
1/4 Cor.
Standard Corner
Fd. 18X10X5 limestone
No visible markings

3205
Closing Cor.
Fd. 24X8X4 limestone
No visible markings

S89°54'41"E
263.74'

4799
1/4 Cor.
True
Intersection

See Detail "1"

N00°03'02"W 2654.12'

N00°31'13"E 2646.97'

N00°31'13"E 2645.79'

N00°04'31"W 2647.97'

N00°04'31"W 2647.72'

See Detail "AG"
on RS-26

See Detail "AM"
on Sheet RS-26

See Detail "AN"
on Sheet RS-26

EQUA

P.T. 686+87.37 BK
P.O.T. 686+57.84 AHD

2672.08'

S89°58'18"E 2665.95'

2644.26'

2632.36'

2640.44'

2651.16'

S89°53'25"E 2663.81'

S89°52'11"E 2370.74'
TIE ONLY

NOO°15'59"W
2601.64' to C.C.

4338
C1/4 Cor.
Not Searched For
Calculated By
Intersection

4336
C1/4 Cor.
Not Searched For.
Calculated By
Intersection

3794
3705
3137
100'
3793
3136
100'
3733
3795 B
3734
3797
3796
3798
3140
3139
3146
3735
3799
3138
3800
3802
P.C. 768+49.16
3801
3147
3706
3803
3806
3736
3709
3807
3737
3808
3805
3804
3173
3174
3181
Sec. Cor.
Standard Corner
Fd. 20X12X15 limestone
No Visible Markings

Exist R/W ℄
S03°08'37"W 8191.32'
S.R. 64

P.O.T. 701+68.82
1311.14'
S89°54'03"E
P.O.T. 728+21.30
1161.91'
P.O.T. 754+69.38
1028.80'
P.O.C. 781+18.98
L.T.B. S01°42'48"E
P.T. 792+92.61
100'
S06°12'10"E
3021.61'
941.90'
1190.79'
P.O.T. 807+79.49

N00°01'26"W 2650.27'
N00°04'54"W 2650.18'
N00°15'46"E 2643.21'
N00°05'59"E 2646.73'
N00°05'59"E
975.32'
N00°11'24"E 167.36'

See Detail "AL"
on Sheet RS-26

See Detail "AK"
on Sheet RS-26

See Detail "AJ"
on Sheet RS-26

See Detail "AH"
on Sheet RS-26

S89°55'52"E
249.46'
TIE ONLY

3148
1/4 Cor. Fd.
24X10X8 limestone
No visible markings

3151
Sec. Cor.
Fd. 5/8 "
Rebar, 1' up
Replaced With
3" A.C. on
3/4" Bar,
PLS 19817

Fd. 12" Pinon Line Tree
fallen over, unable to
determine original location

3163
1/4 Cor.
Fd. 20X10X6 limestone
No visible markings

3179
Sec. Cor.
Fd. 20X10X6 limestone
No visible markings

3422
1/4 Cor.
SFNF
Set 3" A.C.
on 3/4" Bar,
PLS 19817
By Single
Proportion

3414
12" Pine
Linetree

3211
Closing Cor.
Fd.18X10X7 limestone
No visible markings

See Detail "AI"
on Sheet RS-26

NOO°27'56"W
2577.38' to C.C.

3523
1/4 Cor.
SFNF Set 3" A.C. on 3/4" Bar, PLS 19817
Re-established From Bearing Trees

MATCH LINE

COCONINO CO.

MATCH LINE

0 250 500
Scale

064rw185_rs06.dgn

LEGEND

302 Set Monument
300 Found Monument
SFNF Searched for not found
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

301 Calculated position
Existing ADOT R/W monument
New R/W Monument
B★ Unless otherwise noted, affixed standard ADOT R/W monument on stone with PK nail at calculated position in Sept. 2009

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Becky/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@hbeaz.us Job # 08121

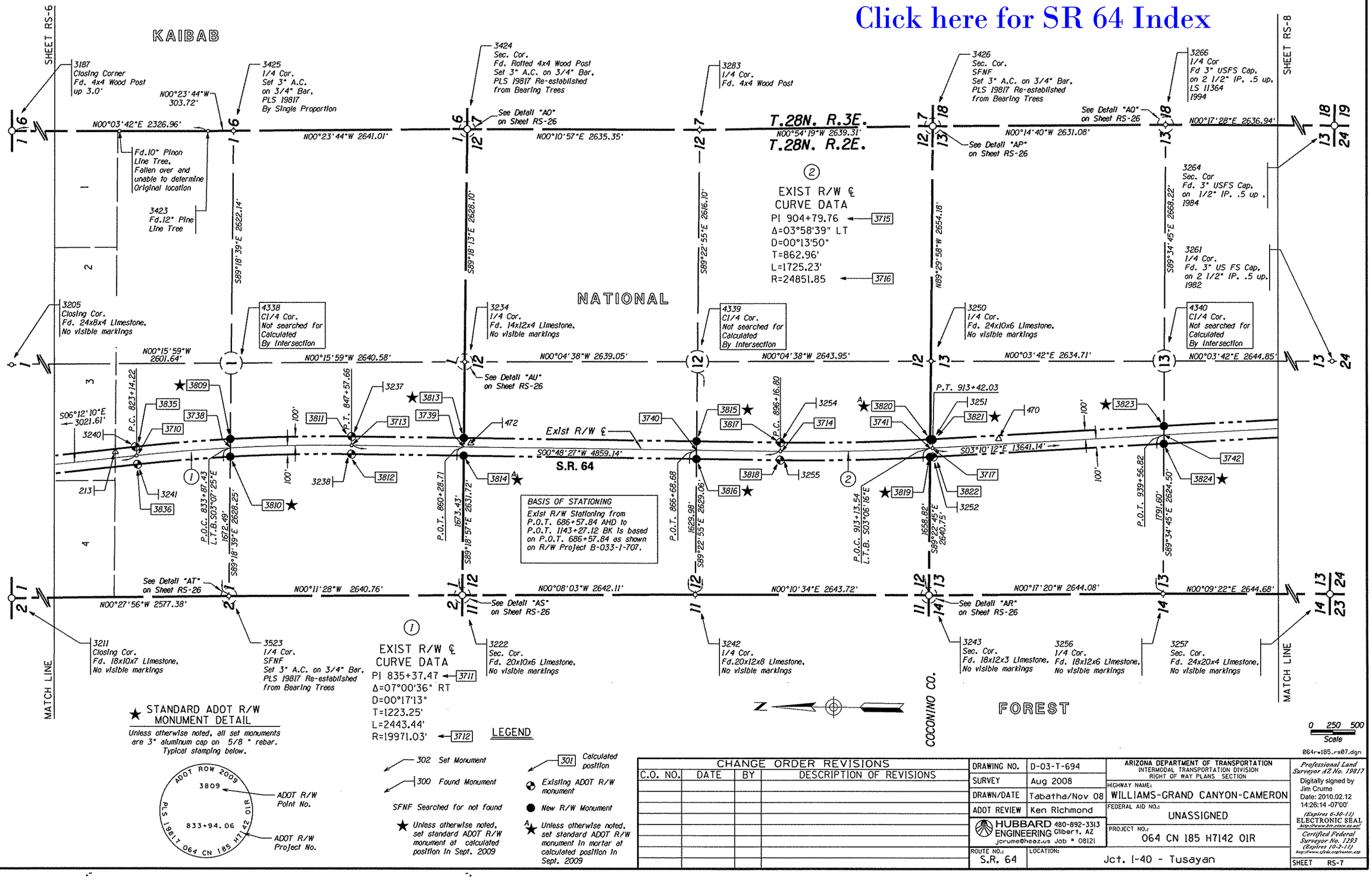
ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R
ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan
SHEET RS-6

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:28:33 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofeb.org/roster.asp

RESULTS OF SURVEY

Click here for SR 64 Index



★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.

LEGEND

- 302 Set Monument
- 300 Found Monument
- SFNF Searched for not found
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009
- 301 Calculated position
- Existing ADOT R/W monument
- New R/W Monument
- A★ Unless otherwise noted, set standard ADOT R/W monument in mortar at calculated position in Sept. 2009

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121
ROUTE NO.:	S.R. 64
LOCATION:	Jct. I-40 - Tusayan

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

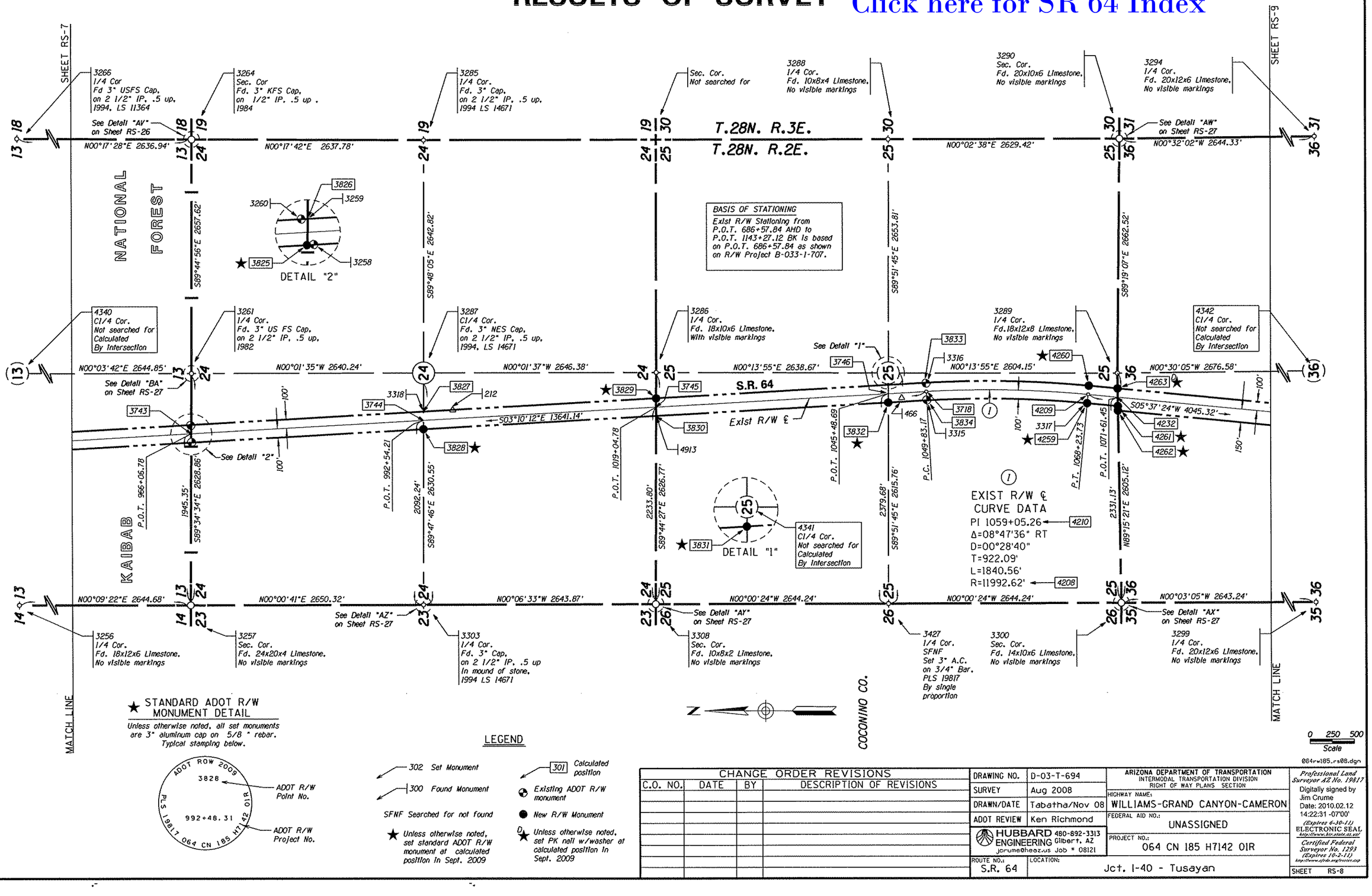
HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:26:14 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293 (Expires 10-2-11)
http://www.ngs.org/register.asp

SHEET RS-7

RESULTS OF SURVEY

Click here for SR 64 Index



064rw185_rs08.dgn

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.

LEGEND

302 Set Monument

300 Found Monument

SFNF Searched for not found

★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

301 Calculated position

Existing ADOT R/W monument

New R/W Monument

D★ Unless otherwise noted, set PK nail w/washer at calculated position in Sept. 2009

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R
ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:22:31 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofeb.org/roster.asp

SHEET RS-8

RESULTS OF SURVEY

Click here for SR 64 Index

COCONINO CO.

SHEET RS-8

SHEET RS-10

R.3E.
R.2E.
T.28N.
T.27N.

3294
1/4 Cor.
Fd. 20X12X6 Limestone,
No visible markings

Sec. Cor.
Not searched for

3321
1/4 Cor.
Fd. 14X10X6 Limestone,
No visible markings

Sec. Cor.
Not searched for

1/4 Cor.
SFNF

Sec. Cor.
SFNF

N00°32'02"W
2644.33'

3290
Sec. Cor.
Fd. 20X10X6
Limestone,
No visible markings

(1) EXIST R/W ℄ CURVE DATA
PI 1114+10.05 — 4214
Δ=05°10'36" LT
D=00°28'44"
T=541.00'
L=1081.26'
R=11967.78' — 4212

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 686+57.84 AHD to P.O.T. 1143+27.12 BK is based on P.O.T. 686+57.84 as shown on R/W Project B-033-1-707.

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 1164+01.30 AHD to P.T. 1323+13.37 BK is based P.O.T. 1164+01.30 as shown on R/W Strip Map 3-T-290.

N89°59'14"E 2663.54'

N89°40'10"E 2643.35'

3289
1/4 Cor.
Fd. 18X12X8
Limestone,
No visible markings

4342
C1/4 Cor.
Not searced for
Calculated
By Intersection

3319
1/4 Cor.
Fd. 20X10X8
Limestone,
No visible markings

4343
C1/4 Cor.
Not searced for
Calculated
By Intersection

3322
1/4 Cor.
Fd. 14X10X6
Limestone,
No visible markings

C1/4 Cor.
SFNF
Position not
Calculated

3352
1/4 Cor.
Fd. Yellow Cap,
on 3/4" Rebar,
Illegible

N00°30'05"W
2676.58'

N00°30'05"W
2638.10'

P.C. 1103+69.05

P.T. 1119+50.31

N00°00'28"W 2658.67'

N00°00'28"W 2627.80'

N00°03'54"E 5426.99'

4265 4266 4211 4233 4268 3297 3335 4213 4271 4234 4235 4879 3330 4349 4272 3328 3326 4274 3360 3359 3357 461 3361 3362 3363

S05°37'24"W
4045.32'

S00°26'49"W 2376.81'

S00°26'48.5"W 14704.07'

Exist R/W ℄

S.R. 64

221 150' 100' 115 464 4264 4267 3298 4269 3334 3332 4270 3331 4273 4878 3329 4236 4275 3358

2065.36'
N89°59'14"E 2625.95'
P.O.T. 1098+47.42

P.O.T. 1124+93.49

1900.01'
N89°53'38"E 2645.25'

P.O.T. 1143+27.12 BK
P.O.T. 1164+01.30 AHD
EQUA

1907.98'
N89°40'10"E 2674.34'
P.O.T. 1172+29.46

P.O.T. 1198+54.63

1885.41'
N89°52'34"E 2672.61'

3300
Sec. Cor.
Fd. 14X10X6
Limestone,
No visible markings

N00°03'05"W
2643.24'

N00°04'56"W 2642.31'

N00°36'56"E 2669.35'

N00°02'41"W 2618.15'

N00°17'10"W 2779.87'

N00°16'44"W 2642.85'

3299
1/4 Cor.
Fd. 20X12X6 Limestone,
No visible markings

3320
Sec. Cor.
Fd. 18X10X6 Limestone,
No visible markings

3324
1/4 Cor.
Fd. 12X10X6 Limestone,
No visible markings

3325
Sec. Cor.
Fd. 18X12X6
Limestone,
No visible markings

3350
1/4 Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.8" up, 1916

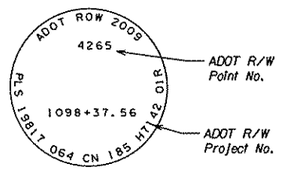
3367
Sec. Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
1.5 up, 1916

MATCHLINE

MATCHLINE

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.



LEGEND

302 Set Monument
300 Found Monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009
301 Calculated position
Existing ADOT R/W monument
New R/W Monument
SFNF Searched for not found

0 250 500
Scale

064rw185_rs09.dgn

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jeremy/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@hbaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R
ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:20:10 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.azland.gov/

Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.gbb.orgboston.org

SHEET RS-9

RESULTS OF SURVEY

Click here for SR 64 Index

SHEET RS-9

SHEET RS-11

1/4 Cor. SFNF

Sec. Cor. SFNF

3351 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.0" up, 1916

3380 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .8" up. 1916

T.27N. R.3E.

T.27N. R.2E.

3381 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.0" up, 1916

3382 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.0" up, 1916

3384 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.7" up, 1916

N00°05'30"E 2643.37'

N00°05'14"E 2642.03'

N00°08'15"E 2642.29'

N00°06'24"E 2641.46'

STANDARD ADOT R/W
★MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.

ADOT ROW 2009 4276 1252+79.69 PLS 19817 064 CN 185 H7142 01R

ADOT R/W Point No.

ADOT R/W Project No.

N89°59'39"E 2638.99'

S89°59'17"E 2639.10'

S89°58'29"E 2640.04'

S89°59'44"E 2638.65'

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 1323+17.62 AHD to P.T. 1672+82.61 BK is based P.O.T. 1323+17.62 as shown on R/W Strip Map 3-T-290.

This equation station was added to correct a historical discrepency

3352 1/4 Cor. Fd. Yellow Cap, on 3/4" Rebar, Illegible

4344 C1/4 Cor. Not searched for Calculated By Intersection

3379 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, In mound of stone, 1916

4345 C1/4 Cor. Not searched for Calculated By Intersection

3383 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .7" up. 1916

4346 C1/4 Cor. SFNF Calculated By Intersection

N00°05'39"E 2641.81'

N00°05'39"E 2642.55'

N00°06'27"E 2641.42'

N00°06'27"E 2643.24'

N00°07'57"E 2640.56'

WOODLAND RANCH

BOOK 3 PAGE 98

SOUTH RIM

RANCH PHASE I

BOOK 19 PAGE 35

C1/4 Cor. Not Searched For Position not calculated

S00°26'48.5"W 14704.07'

Exist R/W ℄

S06°27'38"W 21526.03'

S.R. 64

P.O.T. 1358+77.62

1816.35' N89°58'08"E 2639.71'

P.O.T. 1252+80.53

1799.68' N89°59'39"E 2639.30'

P.O.T. 1279+22.05

P.O.T. 1305+64.04

1782.89' S89°57'49"E 2638.77'

P.C. 1311+05.37

P.T. 1323+13.37 BK

EQUA

P.O.T. 1323+17.62 AHD

P.O.T. 1332+18.28

1609.58' S89°58'29"E 2638.81'

1315.35'

N00°16'44"W 2642.85'

N00°05'07"E 2640.64'

N00°04'57"E 2640.60'

N00°06'30"E 2641.93'

N00°06'30"E 2641.93'

N00°06'46"E 2641.91'

3350 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .8" up. 1916

MATCHLINE

3367 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.5" up, 1916

3373 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .8" up. 1916

3378 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.3" up. 1916

① EXIST R/W ℄ CURVE DATA

PI 1317+09.92 ← 4218

Δ=06°00'49.5" RT

D=00°29'52"

T=604.55'

L=1208.00'

R=11509.16' ← 4216

4240 1/4 Cor. Set 3" ADOT A.C. on 3/4" Bar, flush PLS 19817 Set By Single Proportion

3390 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .8" up, 1916

3389 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.7" up, 1916

MATCHLINE

0 250 500 Scale

064rw185_rs10.dgn

LEGEND

302 Set Monument

300 Found Monument

SFNF Searched for not found

★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

301 Calculated position

Existing ADOT R/W monument

● New R/W Monument

D★ Unless otherwise noted, set PK nail w/washer at calculated position in Sept. 2009

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 1164+01.30 AHD to P.T. 1323+13.37 BK is based P.O.T. 1164+01.30 as shown on R/W Strip Map 3-T-290.

COCONINO CO.

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jeremy/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jarume@heaz.us Job # 08121

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:18:29 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofeb.org/freeser.asp

SHEET RS-10

RESULTS OF SURVEY

Click here for SR 64 Index

N00°06'24"E 2641.46'

3384 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP. 1.7 up. 1916

3385 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .4 up. 1916

4794 1/4 Cor. Fd. 3" GLO Cap Tied to Fence Set 3" A.C. on 3/4" Bar PLS 19817 flush, per Section line ties between points 3385 and 3336 as shown on ROS BK I PG 69 C.C.R.

3336 Sec. Cor. Standard Corner Fd. 3" GLO Cap, on 2 1/2" IP,1.0 up. 1916

SHEET RS-10

N00°06'25"E 2643.62'

N00°08'14"E 2639.98'

N00°09'14"E 2643.03'

S89°58'57"E 637.63'

R.3E. R.2E.

T.27N. T.26N.

3338 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.0 up, In Mound of Stone 1916

3339 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .2 up. 1916

N00°07'33"E 2643.82'

N00°05'46"E 2643.08'

N00°04'17"E 2644.18'

3413 Closing Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.2 up. 1916

4825 Sec. Cor. True Intersection

See Detail "3"

S89°58'57"E 2640.46'

3450 4294 4295 4245 S89°57'59"E 147.88' 3343 Sec. Cor. Standard Corner Fd. 3" GLO Cap, on 2 1/2" IP, .8 up, 1916

DETAIL "1"

N00°05'46"E 1.40' 3413 C.C. 4825 True Intersection

DETAIL "3"

4793 1/4 cor. Set 3" A.C. on 3/4" Bar PLS 19817 Per Ties as shown on Record Of Survey BK II PG 99 C.C.R.

S89°57'07"E 2641.01'

S89°58'48"E 2641.12'

N89°51'26"E 2641.64'

N89°48'50"E 2641.49'

3383 1/4 Cor. Fd. 3" GLO Cap on 2 1/2 " IP, .7 up 1916

3386 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.0 up. 1916

N00°07'57"E 2642.52'

N00°08'23"E 2641.28'

N00°08'23"E 2643.15'

3341 C1/4 Cor. Fd. 5/8" Rebar, Bent over w/tag, LS 18548

3340 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .3 up, 1916

N00°04'31"E 2641.03'

N00°04'05"E 2646.18'

N00°07'57"E 2640.56'

4346 C1/4 Cor. SFNF Calculated BY Intersection

SOUTH RIM RANCH PHASE 1 BOOK 19 PAGE 35

4510 C1/4 Cor. Not Searched For Calculated By Intersection

3412 1/4 Cor. Standard Corner Fd. 3" GLO Cap, on 2 1/2" IP, Monument Bent, 1916

1/4 Cor. CC SFNF

S89°57'42"E 2641.22'

1909.53'

S89°58'48"E 2644.86'

1439+53.06

S89°57'59"E 2642.91'

2152.63'

N89°50'01"E 2640.82'

4806 C1/4 Cor. SFNF Calculated By Intersection

N89°54'00"E 2640.20'

4290 ★ P.O.T. 1385+35.60 3396 3395 100' 3394 4292 3391 3392 P.O.T. 1411+94.40 ★4803 4805 P.O.T. 1439+53.06 455 3448 P.O.T. 1465+12.40 3451 3453 3454 ★4296 4246 3455 3456 3457 3458 454 100' 150' P.O.T. 1491+85.95 P.O.T. 1518+47.04 SHEET RS-12

1021.47' 150' 4243 4291 ★ 3397 3393 ★4293 4244 S06°27'38"W 21526.03' Exist R/W ℄ S.R. 64 442.62' 3449 4804 ★ NO0°06'46"E 2641.91'

N00°12'13"E 2641.87'

N00°13'07"E 2642.14'

N00°05'50"E 2642.52'

See Detail "1" N89°59'11"E 638.24' TIE ONLY 3344 Closing Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .1 up. 1916

3452 ★4297 3345

N00°03'44"E 2657.93'

N00°03'17"E 2643.11'

See Detail "2"

N00°03'45"E 2642.22'

3389 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP.1.7 up. 1916

3388 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .2 up. 1916

3342 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .8 up. 1916

3390 Sec. Cor. Fd. 3" GLO Cap on 2 1/2" IP, .8 up, 1916

3347 1/4 Cor. Fd. 3" GLO Cap. on 2 1/2" IP, 2.0 up. 1916

4300

3476 1/4 Cor. Fd. 1" BC In 3" IP Encased w/ concrete LS 15083

MATCH LINE

MATCH LINE

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.

ADOT ROW 2009 4290 1385+24.32 PLS 19817 064 CN 185 H7142 01R

ADOT R/W Point No.

ADOT R/W Project No.

3459 4298 4247 ★4299 3460 N89°54'00"E 191.28'

DETAIL "2"

3346 Sec. Cor. Fd. 3" GLO Cap. on 2 1/2" IP, .7 up. 1916

LEGEND

302 Set Monument

300 Found Monument

★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

301 Calculated position

Existing ADOT R/W monument

New R/W Monument

SFNF Searched for not found

COCONINO CO.

BASIS OF STATIONING

Exist R/W Stationing from P.O.T. 1323+17.62 AHD to P.T. 1672+82.61 BK is based P.O.T. 1323+17.62 as shown on R/W Strip Map 3-T-290.

0 250 500 Scale

064rw185_rsll.dgn

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@cox.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:15:55 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-3-11)
http://www.ofds.org/home.asp

SHEET RS-11

RESULTS OF SURVEY

BASIS OF STATIONING
U.S. 180 Exist R/W Stationing is based upon AsBuilt Project S-210(9) holding P.O.T. 2565+90.10 at south line of Section 12 from P.O.T. 2490+85.00 to P.O.T. 2614+15.91

4806 C1/4 Cor. SFNF Calculated By Intersection

453 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP, 1.0 up. In Mound of Stone, 1916

3484 C1/4 Cor. Fd. 5/8" rebar, .6 up. Added Tag PLS 19817

3483 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP, 1.0 up. 1916

3507 Sec. Cor. Fd. 3" GLO Cap on 2 1/2" IP, 1' up In Mound of Stone, 1916

MATCH LINE — SHEET RS-13

SHEET RS-11

SHEET RS-14

4814

P.O.T. 2599+16.20

4813 ★

See Detail "2"

Exist R/W ℄ U.S. 180

150' 100' N00°03'45"E 2642.22'

N89°52'27"E 2639.61'

3477

3475

N00°05'23"E 2642.20'

S06°27'38"W 21526.03'

3476 1/4 Cor. Fd. 1" Brass Cap, In 3" IP, In Concrete, LS 15083

See Detail "1"

102'

P.O.T. 1571+64.63

201'

4317 ★

4250

4318 ★

150'

Exist R/W ℄

4251

3500

697.70'

4319 ★

S06°27'38"W 13438.96'

S.R. 64

P.O.T. 1598+22.35

3492

4320 ★

3489 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.0 up. 1916

3501 1/4 Cor. Fd. 3"GLO Cap, on 2 1/2" IP, 14" up. 1916

3498 Sec. Cor Fd. 5/8" Rebar, 8" up, No Tag, Lying next to GLO Monument, Out of Ground Lying next to point, added Tag PLS 19817

3506 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up. 1916

N89°51'51"E 2640.29'

N89°53'28"E 2644.45'

N89°54'19"E 2638.64'

N00°01'47"E 2641.97'

N00°04'40"E 2641.81'

N00°05'43"E 2641.12'

N00°06'01"E 2641.92'

3488

3499

4321 ★

4252

3496

100'

P.O.T. 1651+37.92

2638.87'

1287.84'

4323 ★

3346 Sec. Cor. Fd. 3" GLO Cap on 2 1/2" IP, .7 up. 1916

5272.63'

3493

P.O.T. 1624+80.12

★ 4322

3494

150'

4253

4324 ★

450'

S89°52'02"E 2636.05'

2236.03'

S89°49'52"E 2639.29'

S89°49'43"E 2640.31'

1647.14'

S89°51'31"E

4348 C1/4 Cor. SFNF Calculated By Intersection

C1/4 Cor. SFNF Position not Calculated

3490 1/4 Cor. Fd. 3"GLO Cap, on 2 1/2" IP, Flush. 1916

3476 1/4 Cor. Fd. 1" Brass Cap, In 3" IP, In Concrete, LS 15083

N00°06'00"E 2640.31'

N00°06'00"E 2641.69'

N00°03'50"E 2642.51'

N00°03'50"E 2641.35'

4347 C1/4 Cor. SFNF Calculated By Intersection

3502 1/4 Cor. Fd. 3"GLO Cap, on 2 1/2" IP, .3 up. 1916

S89°50'29"E 105.04'

4314

3478

★ 4315

4248

P.O.T. 1545+06.19

4316 ★

DETAIL "1"

P.O.T. 2604+68.13 U.S. 180 EXIST R/W ℄

P.C. 2604+67.54 U.S. 180 EXIST R/W ℄ (1993)

S37°32'28"E 11383.13'

50'

S37°32'28"E 947.78'

4223

★ 4303

4313

4312

4311

4221

P.T. 2608+50.90 U.S. 180 EXIST R/W ℄ (1993)

4309

3462

4829 ★

S83°32'39"E 314.91'

281.81'

655.10'

3476

4219

4249

4308

4822

4220

P.O.T. 1533+07.65 S.R. 64 EXIST R/W ℄

P.O.T. 2614+15.91 U.S. 180 EXIST R/W ℄ EXTENDED

P.O.T. 1535+63.59

P.O.T. 2611+34.41

P.O.T. 1538+43.65 S.R. 64 EXIST R/W ℄

P.O.T. 2611+65.81 U.S. 180 EXIST R/W ℄ (1993)

DETAIL "2"

(1) U.S. 180 EXIST R/W ℄ (1993) CURVE DATA

PI 2606+70.23 — 4350

Δ=46°00'11" LT

D=12°00'00"

T=202.69'

L=383.36'

R=477.47' — 4222

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 1323+17.62 AHD to P.T. 1672+82.61 BK is based P.O.T. 1323+17.62 as shown on R/W Strip Map 3-T-290.

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.

ADOT ROW 2009 4317 PLS 19817 064 CN 185 H7142 01R 1571+53.54

ADOT R/W Point No.

ADOT R/W Project No.

S89°49'52"E 2637.66'

S89°51'31"E 2639.27'

3503 1/4 Cor. Fd. 3"GLO Cap, on 2 1/2" IP, .1 up. 1916

Sec. Cor. Not Searched For

3504 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.5 up. 1916

Sec. Cor. Not Searched For

3505 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP, 0.5' up. 1916

3491 1/4 Cor. Fd. 3"GLO Cap, on 2 1/2" IP, .3 up, In Mound of Stone 1916

MATCH LINE

MATCH LINE

0 250 500 Scale

064rw185_rs12.dgn

T.26N. R.2E.

COCONINO CO.

LEGEND

302 Set Monument

300 Found Monument

★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

301 Calculated position

Existing ADOT R/W monument

New R/W Monument

SFNF Searched for not found

Click here for SR 64 Index

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@hbeaz.us Job # 08121

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

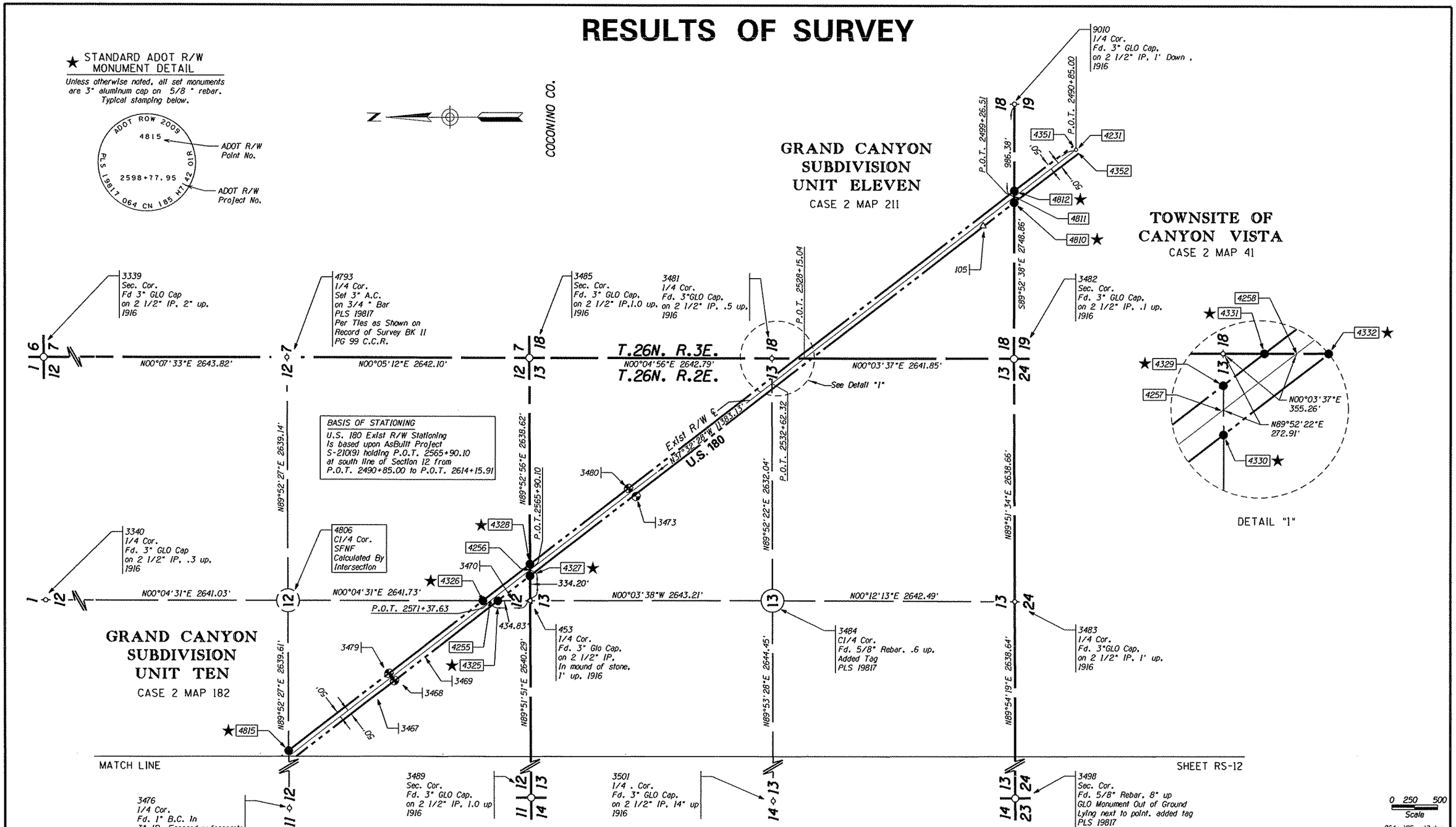
FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:12:27 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.dfrb.org/roster.asp

SHEET RS-12

RESULTS OF SURVEY



LEGEND

302 Set Monument

300 Found Monument

★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

301 Calculated position

Existing ADOT R/W monument

● New R/W Monument

SFNF Searched for not found

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:10:56 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.cfeds.org/roster.asp

SHEET RS-13

Click here for SR 64 Index

Click here for SR 64 Index

RESULTS OF SURVEY

SHEET RS-12

N00°06'01"E 2641.92'

3506 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 0.5' up, 1916

3507 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1' up, In Mound of Stones, 1916

N00°07'44"E 2645.63'

9001 1/4 Cor. Fd. 3/4" I.P. .4" UP Added Tag PLS 19817

N00°04'24"E 2638.73'

3548 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .3" up, 1916

3549 1/4 Cor. Fnd 3" GLO Cap rusted and fallen over, replaced with a 3" A.C. on 3/4"Bar, flush, PLS 19817

N00°08'21"E 2640.59'

N00°05'11"E 0.63'

3552 C.C.

4824 True Intersection

DETAIL "3"

3551 Sec. Cor. Standard Corner Fd. 3" GLO Cap, on 2 1/2" IP, 1.0 up, 1916 In Mound of Stone

N00°09'36"E 2640.64'

S00°00'12"E 2638.97' to C.C.

S89°56'43"E 266.04' Pt. 4823

See Detail "2"

SHEET RS-15

T.26N. R.2E.

T.25N. R.2E.

3574 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .4 up, 1916

N00°00'12"W 0.22'

3550 C.C.

4823 True Intersection

DETAIL "2"

3550 Closing Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .4 up, 1916

4823 True Intersection

S89°56'43"E 2638.91'

S89°54'37"E 2639.43'

S89°54'30"E 2639.65'

P.O.C. 1672+95.80 L.T.B. S06°48'07"W

S89°50'47"E 2637.20'

1583.80'

S89°49'57"E 2637.03'

1934.86'

P.O.C. 1704+64.12 L.T.B. S08°34'36"W

P.O.T. 1731+49.36

S06°27'38"W 13438.96'

100' 150' 100' VARIES

3508 4224 4416 3509 4417 4254 3559 4418 3561 4817 4818 4419 4420 RP 4228 4816 4422 4226 4421 3562 3560 448 100' 100'

L.T.B. S06°24'50"W

N00°08'38" 2640.50'

P.O.T. 1742+31.75

N00°08'38"E 2640.50'

4355 4428 4880 4413 4809 C1/4 Cor. SFNF Calculated By Intersection

3553 1/4 Cor. Standard Corner Fd. 3" GLO Cap, on 2 1/2" IP, .2 up, 1916

S89°55'23"E 267.19' Pt. 4824

3552 Closing Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5" up, 1916

N00°05'11"E 2651.17' to C.C.

N00°03'50"E 2641.35'

EQUA P.O.T. 1672+82.61 BK P.C. 1672+82.60 AHD

N00°07'31"E 2645.00'

N00°07'31"E 2642.30'

N00°08'38" 2642.34'

S12°21'25"W 2566.61'

P.T. 1730+93.93

4427 See Detail "1"

4821 4819 4881 4820 4356 4824 True Intersection

See Detail "3"

Exist R/W ℄

S12°21'24.6"W 1905.85'

S.R. 64

4429 4577 4430 3578 4513 C1/4 Cor. Not Searched For Position Calculated By Intersection

4348 C1/4 Cor. SFNF Calculated By Intersection

3505 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 2' up, 1916

4512 C1/4 Cor. SFNF Calculated By Intersection

P.C.C. 1710+67.95

3555 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 2.0 up, 1916

BASIS OF STATIONING

Exist R/W Stationing from P.O.T. 1323+17.62 AHD to P.T. 1672+82.61 BK is based on P.O.T. 1323+17.62 as shown on R/W Strip Map 3-T-290.

Exist R/W Stationing from P.C. 1672+82.60 AHD to P.O.T. 1756+60.54 BK is based P.C. 1672+82.60 as shown on R/W Strip Map 3-T-290.

BASIS OF STATIONING

Exist R/W Stationing from P.O.T. 1756+61.37 AHD to P.T. 2133+53.73 BK is based on P.O.T. 1756+61.37 AHD as shown on R/W Strip Map 3-T-291.

P.O.T. 1756+60.54 BK P.O.T. 1756+61.37 AHD

P.O.T. 1758+51.38

P.O.T. 1785+55.68

S89°49'57"E 2640.07'

S89°51'12"E 2641.36'

S89°54'30"E 2298.63'

S89°54'30"E 2641.07'

S89°55'23"E 2640.79'

1726.26'

(1) EXIST R/W ℄ CURVE DATA

PI 1691+75.58 ← 4227

Δ=02°31'04" RT

D=00°03'59"

T=1892.98'

L=3785.35'

R=86138.48' ← 4225

(2) EXIST R/W ℄ CURVE DATA

PI 1720+81.23 ← 4230

Δ=03°22'42"RT

D=00°10'00"

T=1013.28'

L=2025.98'

R=34359.47' ← 4228

3568 Sec. Cor. Standard Corner Fd. 3" GLO Cap, on 2 1/2" IP, .8 up, 1916

S89°57'42"E 267.74' TIE ONLY

See Detail "BS" on Sheet RS-27

N00°09'11"E 2643.26'

N00°08'16"E 2643.03'

N00°08'16"E 2643.03'

N00°05'29"E 2663.06'

3504 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.5 up, 1916

MATCH LINE

Sec. Cor. Not Searched For

3554 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 2.0 up, 1916

4797 Sec. Cor. Fd. 3" GLO Cap on 2 1/2" IP 1.1" UP, 1916

4798 1/4 Cor. Set 3" A.C. on 3/4" Pipe, PLS 19817 By Single Proportion

3567 Closing Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .4 up, 1916

3573 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.8 up, 1916

MATCH LINE

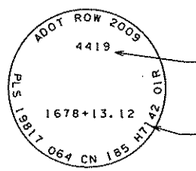
COCONINO CO.

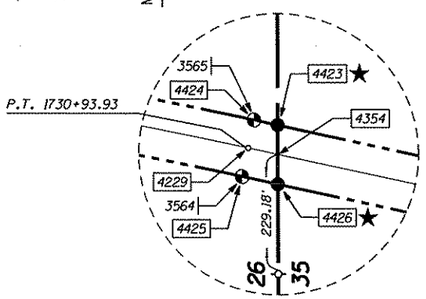
0 250 500 Scale

064rw185_rs14.dgn

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.





DETAIL "1"

LEGEND

- 302 Set Monument
- 300 Found Monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position In Sept. 2009
- D ★ Unless otherwise noted, set PK nail w/washer at calculated position In Sept. 2009
- 301 Calculated position
- Existing ADOT R/W monument
- New R/W Monument
- A ★ Unless otherwise noted, set standard ADOT R/W monument In mortar at calculated position In Sept. 2009
- SFNF Searched for not found

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Becky/Nov 08
ADOT REVIEW	Ken Richmond
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@theaz.us Job # 08121
ROUTE NO.:	S.R. 64
LOCATION:	Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

SHEET RS-14

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 14:07:00 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofrd.org/roster.asp

RESULTS OF SURVEY

Click here for SR 64 Index

SHEET RS-14

SHEET RS-16

MATCH LINE

MATCH LINE

3574
1/4 Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, .4 up, 1916

3575
Sec. Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, .5 up, In
Mound of Stone, 1916

3583
1/4 Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, 1.8
Above Ground Level
In Mound Of Stone, 1916

3584
Sec. Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, .4 up, 1916

N89°48'06"E 2644.24'

N89°56'05"E 2639.11'

N89°49'01"E 2641.07'

N89°51'24"E 2641.13'

N00°05'11"E 2651.17'

N00°05'11"E 2643.28'

N00°10'41"E 2644.83'

N00°10'41"E 2643.18'

3552
Closing Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.5 up, 1916

4513
C1/4 Cor.
Not searched for
Position
Calculated By
Intersection

3576
1/4 Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, .5 up, In
Mound of Stone, Bent, 1916

4514
C1/4 Cor.
SFNF
Position
Calculated By
Intersection

445
1/4 Cor.
Not searched for;
Coordinates per ADOT
ESS Survey Job No.
3630 Point No. 445;
Desc. per ESS GLO
BC on 1" pipe 0.8' up

P.O.T. 1812+74.31

100'

100'

4431

4357

4432

1416.47'

N89°48'06"E 2641.60'

3571

3572

P.O.T. 1839+81.52

842.38'

N89°49'35"E 2642.87'

4433

4358

4434

Exist R/W ℄

S12°21'24.6"W 1910.5.85'

S.R. 64

P.O.T. 1866+91.24

N89°49'01"E 2648.32'

See Detail "1"

444

4437

P.O.T. 1879+94.32

See Detail "2"

4360

4438

3585
Sec. Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, .3 up, 1916

3591
1/4 Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, .3 up, 1916

3592
Sec. Cor.
Fd. 3" GLO
Cap, on 2 1/2"
IP, .2 up, 1916

N89°50'58"E 2645.69'

N00°05'29"E 2663.06'

N00°06'50"E 2642.14'

N00°17'46"E 2645.31'

N00°07'17"E 2641.66'

N00°12'19"E 2639.81'

N00°13'01"E 2638.62'

3567
Closing Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.4 up, 1916

3573
1/4 Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, 1.8 up, 1916

3570
Sec. Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, 1.0 up, In
Mound of Stone, 1916

3581
1/4 Cor.
Fd. 3" GLO Cap, on
2 1/2" IP, 1.5 up, 1916

3589

4441

4362

3588

3590

4440

3586

100'

100'

865.32'

442

3608

3605

3609

3606

3607

4442

P.O.T. 1893+95.27

S89°46'42"E 2635.26'

P.O.T. 1920+95.60

S89°47'26"E 2635.77'

AMENDED PLAT
HOWARD MESA RANCH
BOOK 15 PAGE 7

3594
1/4 Cor.
Fd. 3" GLO Cap, on 2
1/2" IP, 2.5 up, 1916

3597
1/4 Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
2.5 up, 1916

N00°13'00"E 2640.37'

N00°13'00"E 2639.42'

4515
C1/4 Cor.
SFNF
Position
Calculated By
Intersection

S89°47'26"E 2637.45'

3595
1/4 Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP, 1.0 up,
1916

0 250 500
Scale

064-n185-rs15.dgn

4435

3579

4359

4436

3580

N89°49'01"E
276.17'

DETAIL "1"

3587

S89°46'42"E
296.91'

4439

4361

DETAIL "2"

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.

ADOT ROW 2009
4431
1812+52.04
PLS 19817 064 CN 185 H7142 01R

ADOT R/W Point No.

ADOT R/W Project No.

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 1756+61.37 AHD to P.T. 2133+53.73 BK is based on P.O.T. 1756+61.37 AHD as shown on R/W Strip Map 3-T-291.

T.25N. R.2E.

COCONINO CO.

LEGEND

302 Set Monument
300 Found Monument
SFNF Searched for not found
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

301 Calculated position
Existing ADOT R/W monument
New R/W Monument
Unless otherwise noted, set standard ADOT R/W monument in mortar at calculated position in Sept. 2009

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Becky/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

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Date: 2010.02.12 14:04:44 -07'00'
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Certified Federal Surveyor No. 1293
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http://www.ofda.org/roster.asp

SHEET RS-15

RESULTS OF SURVEY

Click here for SR 64 Index

SHEET RS-15

SHEET RS-17

3591 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .3 up, 1916

3593 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .1 up, 1916

3623 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up, 1916

3622 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .2 up, 1916

3621 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.2 up, 1916

3620 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .3 up, 1916

N00°13'01"E 2638.62'

N00°10'18"E 2640.76'

N00°15'21"E 2640.94'

N00°10'39"E 2640.64'

N00°09'27"E 2641.27'

N00°10'08"E 2641.69'

3592 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .2 up, 1916

S89°48'28"E 2635.76'

1433.03'

100'

S12°21'24.6"W 19105.85'

See Detail "1"

DETAIL "2"

4452 ★E

4453 ★

P.O.T. 2002+50.36

103.43'

4370

3616

4454

S89°49'51"E 2665.96'

2097.25'

P.O.T. 1975+19.04

4447

4366

4449 ★

110

3610

4368

4448

4450 ★A

P.T. 1963+97.25

Exist R/W ℄

S15°04'18"W 9605.29'

S.R. 64

3613

P.O.T. 1998+30.05

406.07'

3614 1/4 Cor. Fd. 1" AC on 1/2" Rebar Marlin LS 18548

See Detail "2"

3641

T.25N. R.2E.

COCONINO CO.

N89°53'14"W 2654.65'

4517 C1/4 Cor. SFNF Calculated By Intersection

3617 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.2 up, 1916

S89°54'36"E 2638.02'

EXIST R/W ℄ CURVE DATA

PI 2072+08.96 ← 4375

Δ=12°00'29" LT

D=00°29'58"

T=1206.41'

L=2403.99'

R=11470.46' ← 4374

HOWARD LAKE

N00°13'00"E 2639.42'

N00°49'36"E 2642.00'

N00°49'36"E 2639.50'

N00°25'13"W 2645.01'

N00°25'13"W 2642.43'

N00°11'45"E 2644.85'

4515 C1/4 Cor. SFNF Position Calculated by Intersection

3597 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 2.5 up, 1916

4516 C1/4 Cor. SFNF Calculated By Intersection

3612

4451 ★

4369

3642

440

3645

4371

3644

4455 ★

3647

3646

3648

100'

3649

4456 ★

HOWARD MESA RANCH PHASE 3 UNIT 4 BOOK 15 PAGE 99

P.O.T. 2057+21.84

S89°50'44"E 2635.85'

P.C. 2060+02.55

4457 ★

HOWARD MESA RANCH PHASE 3 UNIT 8 BOOK 16 PAGE 20

4460

3653

4373

4372

4458 ★

4459

3654

3639

3638

4518 C1/4 Cor. Not searched for Calculated By Intersection

EXIST R/W ℄ CURVE DATA

PI 1955+82.39 ← 4365

Δ=02°42'53.4" RT

D=00°10'00"

T=815.17'

L=1630.04'

R=34400.57' ← 4364

S89°49'51"E 2604.76'

4443

3602

4445

4363

P.O.C. 1947+95.11

L.T.B. S12°24'12"W

4367

4444

4446 ★

P.C. 1947+67.22

DETAIL "1"

S89°54'02"E 2577.14'

BASIS OF STATIONING

Exist R/W Stationing from P.O.T. 1756+61.37 AHD to P.T. 2133+53.73 BK is based on P.O.T. 1756+61.37 AHD as shown on R/W Strip Map 3-T-291.

P.O.T. 2029+88.01

N89°53'14"W 2606.30'

1771.60'

1070.89'

HOWARD MESA RANCH PHASE 1 UNIT 5 BOOK 15 PAGE 61

N00°13'37"E 2642.45'

N00°12'42"E 2644.31'

N00°13'14"E 2640.41'

N00°10'29"E 2650.96'

3595 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP 1.0 up, 1916

MATCH LINE

Sec. Cor. Not searched for

3598 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.5 up, 1916

3628 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .8 up, 1916

3627 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.4 up, 1916

3626 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.0 up, 1916

3625 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 3.0 up, 1916

MATCH LINE

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.

ADOT ROW 2009
4449
1974+92.43
PLS 19817 064 CN 185 H7142 01R

ADOT R/W Point No.

ADOT R/W Project No.

LEGEND

302 Set Monument

300 Found Monument

★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

E★ The position of this corner is within 0.08' of the existing monument for the 1/4 cor. therefore it was not set so as not to disturb the existing monument.

301 Calculated position

Existing ADOT R/W monument

● New R/W Monument

A★ Unless otherwise noted, set standard ADOT R/W monument in mortar at calculated position in Sept. 2009

SFNF Searched for not found

0 250 500
Scale

064rw185_rs16.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Becky/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heez.us Job # 08121

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

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Professional Land Surveyor AZ No. 19817
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ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1393
(Expires 10-2-11)
http://www.ofeb.org/roster.asp

SHEET RS-16

RESULTS OF SURVEY

3617 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP, 1.2 up, 1916

3620 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP, .3 up, 1916

3619 Sec. Cor. Fd. 3" GLO Cap on 2 1/2" IP, .3 up. 1916

3673 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP, 2.0 up, In Mound of Stones 1916

Sec. Cor. Not searched for

1/4 Cor. Not searched for

4038 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP, 1.5 up, In Mound of Stones, 1916

SHEET RS-16

SHEET RS-18

HOWARD LAKE

COCONINO CO.

4518 C1/4 Cor. Not searched for Calculated By Intersection

S89°58'43"E 2639.27'

S89°54'23"E 2640.32'

S89°52'06"E 2641.05'

N00°11'45"E 2644.85'

N00°11'45"E 2636.55'

N00°10'37"E 2640.76'

N00°10'37"E 2641.68'

N00°10'47"E 5276.30'

S89°58'43"E 2634.88'

S89°49'32"E 2642.59'

EXIST R/W ℄ CURVE DATA
PI 2072+08.96 ← 4375
Δ=12°00'29" LT
D=00°29'58"
T=1206.41'
L=2403.99'
R=11470.46' ← 4374

EXIST R/W ℄ CURVE DATA
PI 2191+29.21 ← 4385
TOTAL CURVE
Δ=36°29'16" LT
T=1044.51'
L=2024.39'
MAIN CURVE
Δ=32°29'16" LT
D=02°00'00"
L=1624.39'
R=2864.79' ← 4388

SPIRAL
a=1.00
Δ=02°00'00"
L=200.00'
SPI= ← 4391

SPIRAL
a=1.00
Δ=02°00'00"
L=200.00'
SPI= ← 4392

C1/4 Cor. SFNF Position Not Calculated

HOWARD MESA RANCH PHASE 3 UNIT 8
BOOK 16 PAGE 20

T.25N. R.2E.

T.24N. R.2E.

HOWARD MESA RANCH PHASE 3 UNIT 3
BOOK 15 PAGE 89

3618 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .1 up, 1916

4519 C1/4 Cor. SFNF Calculated By Intersection

3674 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 2.3 up, 1916

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2135+00.26 AHD to P.T. 2240+54.74 BK is based on P.O.T. 2135+00.26 AHD as shown on R/W Strip Map 3-T-291.

4037 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up, 1916

3839 Sec. Cor. Fd. 3" GLO Cap on 2 1/2" IP, .1up, 1916

See Detail "2"

3632 3631 3630 3637 104 3629 627.39' 100' 100'

4465 4378 3656 P.O.T. 2110+50.47

4882 4414 P.O.T. 2133+53.73 BK P.O.T. 2135+00.26 AHD P.O.T. 2138+41.08

4467 4470 4471 4380 4382 3664

Exist R/W ℄ S03°03'49"W 4947.19' S.R. 64

501.23' 3655 4466 4883 4379 4469 4472 4473 3663

SPI 4528 T.S. 2180+84.70 S.C. 2182+84.70

SPI 4531 4394 4481 4393 4529 4480 4478 P.O.T. 2207+08.99

4526 3669 1407.91' 489.89' 523°15'05"E 830.08'

N00°10'29"E 2650.96' N00°19'15"E 2631.66' N00°11'36"E 2640.58' N00°12'13"E 2639.71' N00°11'56"E 2638.74'

4468 S13°14'11"W 2767.12'

4527 4395 4390 3676 3671 4532 SPI 4534 4533

See Detail "1"

4386 4523 SPI 4525 4524 4387 3 4530 4389 4479

See Detail "3"

3626 Sec. Cor. Fd. 3" GLO Cap on 2 1/2" IP, 1.0 up, 1916

3625 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 3.0 up, 1916

3624 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up, 1916

3675 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .2 up, 1916

P.C. 2143+00.54

P.T. 2153+17.58

3665 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 2.5 up, 1916

P.O.T. 2192+12.24 L.T.B. S07°18'52"E

S89°48'59"E 5266.21'

S89°50'01"E 2636.15'

EXIST R/W ℄ CURVE DATA
PI 2225+01.23 ← 4184
Δ=10°22'49" RT
D=00°19'59"
T=1562.06'
L=3115.57'
R=17197.05' ← 4396

1/4 Cor. Not searched for

HOWARD MESA RANCH PHASE 1 UNIT 5
BOOK 15 PAGE 61

N00°12'13"E 287.29'

4474 4383 435 4912 S89°50'01"E 66.58' P.O.T. 2162+29.09 P.O.T. 2165+24.04 4384 4475

DETAIL "1"

P.T. 2084+06.54

4461 4464 3633 4376 P.O.T. 2084+14.20 4377 3636 4462 4463 3635

DETAIL "2"

EXIST R/W ℄ CURVE DATA
PI 2148+10.40 ← 4182
Δ=10°10'22" RT
D=01°00'01"
T=509.86'
L=1017.04'
R=5728.24' ← 4381

4483 4482

DETAIL "3"

3682 1/4 Cor. Fd. 5/8" Rebar .4 up Added Tag PLS 19817

3683 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP, .8 up. 1916

C1/4 Cor. SFNF Position not calculated

MATCH LINE

MATCH LINE

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.

ADOT ROW 2005 4467 2138+35.96 PLS 19817 064 CN 185 H7142 01R

ADOT R/W Point No.

ADOT R/W Project No.

Click here for SR 64 Index

0 250 500 Scale

064rw185_rs17.dgn

DATA TABLE

5	S03°03'49"W 800.28'
6	S89°52'06"E 368.83'

LEGEND

302 Set Monument
300 Found Monument
SFNF Seachard For Not Found
New R/W Monument
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jordan/Nov 08
ADOT REVIEW	Ken Richmond
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@cox.us Job # 08121
ROUTE NO.:	S.R. 64
LOCATION:	Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

SHEET RS-17

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:57:46 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/

Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofeds.org/roster.asp

RESULTS OF SURVEY

Click here for SR 64 Index

SHEET RS-17

T.24N. R.2E.

COCONINO CO.

SHEET RS-19

1/4 Cor. Not searched for

Sec. Cor. Not searched for

3837 1/4 Cor. Fd. 3"GLO Cap, on 2 1/2" IP, 1.8 up. 1916

Sec. Cor. Not searched for

3864 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1' up, In Mound of Stone 1916

3865 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1' up, In Mound of Stones 1916

3868 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.8 up, In Mound of Stones 1916

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.

ADOT ROW 2009 4488 2248+29.00 PLS 19817 064 CN 185 H7142 01R

ADOT R/W Point No.

ADOT R/W Project No.

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2240+83.80 AHD to P.O.T. 2364+99.63 BK Is based on P.O.T. 2240+83.80 AHD as shown on R/W Strip Map 3-T-291.

DETAIL "1"

(3) EXIST R/W ℄ CURVE DATA
PI 2310+48.45 ← 4186
Δ=08°40'28" LT
D=00°29'55"
T=871.35'
L=1739.38'
R=11488.76' ← 4402

C1/4 Cor. SFNF Position Not Calculated

4038 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.5' up In Mound of Stones, 1916

4520 C1/4 Cor. SFNF Calculated by Intersection

3838 1/4 Cor. Fd. 3"GLO Cap, on 2 1/2" IP, 1'up, In Mound of Stones 1916

4521 C1/4 Cor. SFNF Calculated by Intersection

3867 C1/4 Cor. Fd. 3" MAE Cap, on 2 1/2" IP, .5' up.

3866 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 2.0 up, In Mound of Stones 1916

N00°11'46"E 2638.56'

N00°11'46"E 2641.15'

N00°10'48"E 2638.94'

N00°10'48"E 2639.09'

N00°15'18"E 2635.52'

AMENDED HOWARD MESA RANCH PHASE 3 UNIT 1
BOOK 15 PAGE 71

KAIBAB HIGH NO.3
CASE 1 PAGE 18

S89°53'07"E 2644.11'

P.O.C. 2220+37.10
L.T.B. S19°35'36"E

S89°53'21"E 2645.20'

S89°53'21"E 2642.27'

S89°52'33"E 2642.93'

S89°53'48"E 2642.66'

S89°53'48"E 2644.47'

S89°55'34"E 2643.18'

S89°55'28"E 2641.96'

Exist R/W ℄

S06°18'56"W 2749.60

S.R. 64

S12°52'16"E 1980.11'

S02°21'32"E 4583.15'

P.C. 2301+77.10

P.T. 2319+16.48

See Detail "1"

P.O.T. 2301+46.95

1303.86'

P.O.T. 2274+92.04

1587.90'

1227.70'

P.O.T. 2248+05.25

P.T. 2240+54.74 BK
EQUA P.O.T. 2240+83.80 AHD

T.S. 2260+63.91
S.C. 2262+23.91

C.S. 2272+64.95
S.T. 2274+24.95 BK
EQUA P.O.T. 2274+27.50 AHD

1284.11'

P.O.T. 2327+90.26

100'

495.97'

433

N00°09'22"E 2638.73'

N00°12'38"E 2640.54'

N00°10'26"E 2639.91'

N00°09'53"E 2640.36'

N00°18'26"E 2635.89'

N00°11'38"E 2640.31'

4037 1/4 Cor. Fd. 3" GLO Cap on 2 1/2" IP, .5 up, 1916

3839 Sec. Cor. Fd. 3" GLO Cap , on 2 1/2" IP, .1 up. 1916

3840 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1' up. 1916

3841 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .1 up, 1916

3862 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 2.0 up, 1916

3863 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up, 1916

4792 SFNF Set 3" A.C. on 3/4" bar flush, PLS 19817 Set by single proportion

(1) EXIST R/W ℄ CURVE DATA
PI 2225+01.23 ← 4184
Δ=10°22'49" RT
D=00°19'59"
T=1562.06'
L=3115.57'
R=17197.05' ← 4396

(2) EXIST R/W ℄ CURVE DATA
PI 2267+50.16 ← 4185
TOTAL CURVE
Δ=19°11'12" RT
T=686.25'
L=1361.04'
MAIN CURVE
Δ=16°37'50"
D=01°35'51"
L=1041.04'
R=3586.59' ← 4203

SPIRAL
a=1.00
Δ=01°16'41"
L=160.00'
SPI= ← 4206

SPIRAL
a=1.00
Δ=01°16'41"
L=160.00'
SPI= ← 4207

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2274+27.50 AHD to P.O.T. 2364+99.63 BK Is based on P.O.T. 2274+27.50 AHD as shown on R/W Project F.H.P. 2-C(4)D(6)

LEGEND

302 Set Monument
300 Found Monument
SFNF Searched For Not Found
301 Calculated position
Existing ADOT R/W monument
New R/W Monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position In Sept. 2009
A★ Unless otherwise noted, set standard ADOT R/W monument at calculated position In mortar In Sept. 2009

MATCH LINE

MATCH LINE

0 250 500 Scale

064rw185_rs18.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jordan/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@hbeaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

ROUTE NO.: S.R. 64

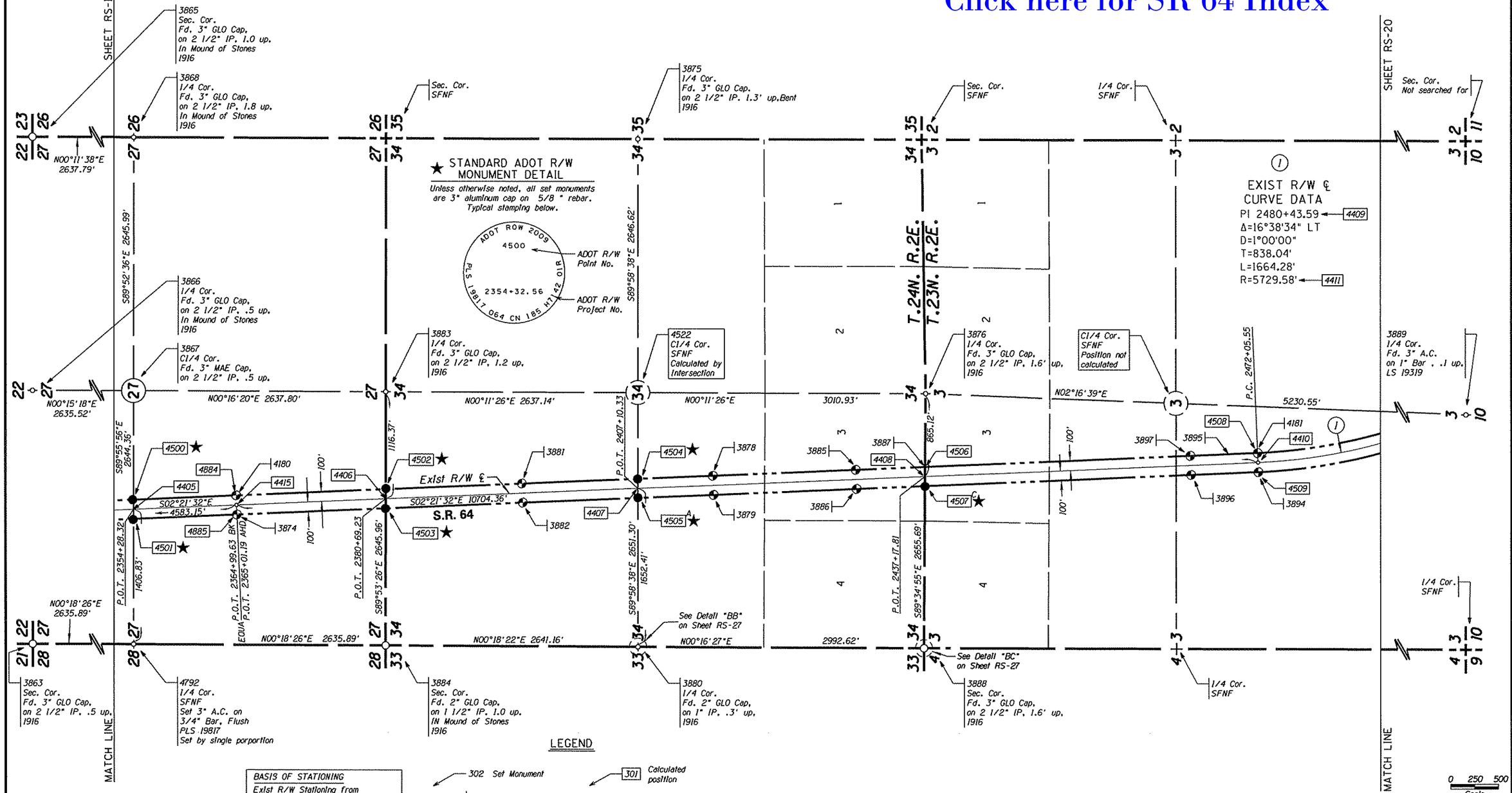
LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:56:37 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofeb.org/surveyor.asp

SHEET RS-18

RESULTS OF SURVEY

Click here for SR 64 Index



LEGEND

302 Set Monument

300 Found Monument

SFNF Searched For Not Found

★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

C★ Unless otherwise noted, set P/K nail with washer at calculated position in Sept. 2009

301 Calculated position

Existing ADOT R/W monument

New R/W Monument

A★ Unless otherwise noted, set standard ADOT R/W monument in mortar at calculated position in Sept. 2009

BASIS OF STATIONING

Exist R/W Stationing from P.O.T. 2365+01.19 AHD to S.T. 2574+02.90 BK is based on P.O.T. 2365+01.19 AHD as shown on R/W Strip Map 3-T-291.

COCONINO CO.

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Becky/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:55:15 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.bls.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.cfeds.org/reserv.asp

SHEET RS-19

RESULTS OF SURVEY

Click here for SR 64 Index

[1] A) THE DASHED LINE IS BASED UPON R/W MONUMENTATION, FENCING AND USE OF HIGHWAY.
B) THE HATCHED AREA IS BASED UPON THE 1930 ALIGNMENT AND WAS TAKEN IN THE STATE HIGHWAY SYSTEM BUT HAS NOT BEEN ABANDONED DESPITE THE APPARENT NON-USE OF AREAS FOR HIGHWAY PURPOSES.
C) THE LOCATION OF THE EXISTING R/W LINE DELIMITED BY THE HATCHED AREA IS APPROXIMATE ONLY AND THAT NO MAPS COULD BE LOCATED THAT DEFINED THE GEOMETRICAL LOCATION OF THE EXISTING R/W LINE.

SHEET RS-19

T.23N. R.2E.

COCONINO CO.

SHEET RS-21

1/4 Cor. SFNF Not to be Set at this time

Sec. Cor. Not searched for

1/4 Cor. SFNF

Sec. COr. SFNF

See Detail "BU" on RS-35

3902 1/4 Cor. Fd 3/8" Rebar, .1 up, Added Tag PLS 19817

3901 Sec. Cor. Fd. 1 1/2" Yellow Cap, on 1/2" Rebar Flush, RLS 28743

3903 1/4 cor. Fd. 1" IP, Flush, Added Tag PLS 19817

3905 Sec. Cor. Fd. 2" A.C. Flush RLS 28230

N01°38'50"E 2595.64'

N00°15'15"W 2595.81'

N00°15'47"W 2593.08'

(1) EXIST R/W ℄ CURVE DATA
PI 2480+43.59 ← 4409
Δ=16°38'34"
D=1°00'00"
T=838.04'
L=1664.28'
R=5729.58' ← 4411

(3) EXIST R/W ℄ CURVE DATA
PI 2633+21.41 ← 4548
Δ=18°28'16" LT
D=1°00'00"
T=931.64'
L=1847.11'
R=5729.58' ← 4616

SPI=4641 SPI=4638 4637 4640 4583 4636 3916 4580 4911 4639 4584 4755 3919 4760 4757 4759 4353 4758 4581 4767 4756 4910 4761 3915

50' VARIES 877.00' 100' 100' 202

L.T.B. S13°59'16"E

T.S. 2554+49.13 S.C. 2566+49.13

C.S. 2572+02.90 EQUA S.T. 2574+02.90 BK P.O.T. 2574+29.54 AHD

S19°00'06"E 5624.23'

S16°03'42"W 4960.23'

Exist R/W ℄ S.R. 64

P.O.T. 2580+10.59

N87°34'43"W 2610.36'

P.O.T. 2606+95.37

N87°59'57"W

2575.70' 1545.24'

3920 4753 4768 4751 3922 4615 4752 4754 4750 4769 4749

P.C. 2623+89.77

P.O.C. 2633+78.46 L.T.B. S06°10'30"W

S88°38'27"E 2491.30' 2215.65'

N02°04'24"W 2629.59'

N02°04'20"W 2628.34'

C1/4 Cor. SFNF Position not Calculated

3889 1/4 Cor. Fd. 3" AC, On 2 1/2" Bar..1 up LS 19319

C1/4 Cor. Not Searched For Position Not Calculated

3898 1/4 Cor. Fd. 16x12x8 Lava Rock, 1.3' up In Mound of Stone

4791 C1/4 SFNF Calculated By Intersection

3906 1/4 Cor. Fd. 1" IP, .1 up, Added Tag PLS 19817

3908 C1/4 Cor. Fd. 1" IP bent, .8 up, Added Tag PLS 19817

3909 1/4 Cor. Fd. 1" IP .3 up, Added Tag, PLS 19817

N02°03'58"E 4891.28'

N00°53'32"E 2715.49'

N00°53'32"E 2615.23'

See Detail "1"

EQUA P.O.T. 2498+25.50 AHD

P.O.T. 2504+10.98

(2) EXIST R/W ℄ CURVE DATA
PI 2564+54.92 ← 4547
TOTAL CURVE
Δ=35°03'48" RT
T=1005.19'
L=1953.17'
MAIN CURVE
Δ=31°03'48" RT
D=2°00'00"
L=1553.17'
R=2864.79' ← 4582

SPIRAL
a=1.00
Δ=2°00'00"
L=200.00'
SPI ← 4585

SPIRAL
a=1.00
Δ=2°00'00"
L=200.00'
SPI ← 4586

N87°39'19"W 2613.03'

4763 4766 4764 3891 4762 4412 3890 435.55' 4765 3893

DETAIL "1"

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2365+01.19 AHD to S.T. 2574+02.90 BK is based on P.O.T. 2365+01.19 AHD as shown on R/W Strip Map 3-T-291.

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2574+29.54 AHD to P.T. 2792+23.16 BK is based on P.O.T. 2574+29.54 AHD as shown on R/W Strip Map 3-T-291.

3907 1/4 cor. Fd. 1" IP .2' up, In Mound of Stones

Sec. Cor. Not searched for

Sec. Cor. Not searched for

1/4 Cor. Not searched for

Sec. Cor. Not searched for

1/4 Cor. SFNF

Sec. Cor. SFNF

1/4. Cor. SFNF

MATCH LINE

MATCH LINE

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.

ADOT ROW 2009 4763 2501+51.38 PLS 19817 064 CN 185 H7142 01R

ADOT R/W Point No.

ADOT R/W Project No.

LEGEND

302 Set Monument
300 Found Monument
● New R/W Monument
SFNF Searched For Not Found
301 Calculated position
◐ Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

0 250 500 Scale

064rw185_rs20.dgn

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jordan/Nov 08
ADOT REVIEW	Ken Richmond
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121
ROUTE NO.:	S.R. 64
LOCATION:	Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R

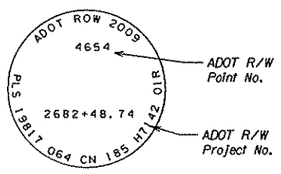
Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:54:08 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.az.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.cfedx.org/roster.asp

SHEET RS-20

RESULTS OF SURVEY

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar. Typical stamping below.



T.23N. R.2E.

COCONINO CO.

SHEET RS-20

SHEET RS-22

MATCHLINE

MATCHLINE

(2) Exist R/W ℄ CURVE DATA
PI 2691+01.48 ← 4556
TOTAL CURVE
Δ=29°26'19" LT
T=852.74'
L=1671.93'
MAIN CURVE
Δ=25°26'19" LT
D=02°00'00"
L=1271.93'
R=2864.79' ← 4589

SPIRAL
a=1.00
Δ=02°00'00"
L=200.00'
SPI ← 4592

SPIRAL
a=1.00
Δ=02°00'00"
L=200.00'
SPI ← 4593

(1) EXIST R/W ℄ CURVE DATA
PI 2633+21.41 ← 4548
Δ=18°28'16" LT
D=1°00'00"
T=931.64'
L=1847.11'
R=5729.58' ← 4616

3903
1/4 cor.
Fd. 1" IP, Flush.
Added Tag
PLS 19817

3905
Sec. Cor.
Fd. 2" A.C. Flush,
RLS 28230

3912
1/4 Cor.
Fd. 3/8 " Rebar with Tag.
RLS 31595

3911
Sec. Cor.
Fd. 7" Square Fence Post
with found Identification plate, 4.0 up.
Added Tag PLS 19817

1/4 Cor.
Not searched for

C1/4 Cor.
SFNF
Position not calculated

3947
1/4 Cor.
Fd. 1" A.C. on 1/2" Rebar.
Flush, Tag LS 4520

N00°15'47"W 2593.08'

N00°58'32"W 2631.04'

N01°05'54"W 2629.46'

N01°38'20"W 2718.72'

2180.90'

S89°25'20"E 2407.50'

1399.41'

415

P.T. 2642+36.88

P.O.T. 2660+04.90

T.S. 2682+48.74

S.C. 2684+48.74

S.C. 2689+20.61

T.S. 2691+20.61

P.C. 2698+28.74

P.C. 2698+69.31

P.O.C. 2732+32.32

L.T.B. S65°58'32"E

P.I. 2735+70.06

See Detail "1"

S22°26'05"E 4833.72'

S31°50'52"E 2708.07'

P.O.T. 2716+41.30

P.T. 2725+82.90

1737.90'

2525.51'

S89°54'17"E

Exist R/W ℄

S02°24'34"E 4011.86'

S.R. 64

N00°14'56"E

N02°04'24"W 2629.59'

5279.76'

3924 4747 3926 4746 4745 3930 3931 3929 3925 3923 4748 4617 4770 4654 4655 4591 4645 SPI 4647 4590 4587 4588 4642 4646 SPI 4644 4643 4649 4648 3932 3933 3914 4744 3936 3935 3934 4740 3939 3940 4741 3938 4772 3937 4742 4618 4771 4743 4738 4620 3942 3941 4737 4739

100' 100' 107' 415' 417'

3908
C1/4
Fd. 1" IP bent,
.8 up, Added Tag
PLS 19817

3909
1/4 Cor.
Fd. 1" IP
.3 up, added
tag PLS 19817

C1/4 Cor.
SFNF
Position not calculated

3910
1/4 Cor.
Fd. 1" IP,
.2 up, Added Tag
PLS 19817

C1/4 Cor.
Not searched for

DETAIL "1"

(3) Exist R/W ℄ CURVE DATA
PI 2731+00.46 ← 4557
Δ=09°24'47" RT
D=01°00'00"
T=471.72'
L=941.32'
R=5729.58' ← 4619

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2574+29.54 AHD to P.T. 2792+23.16 BK is based on P.O.T. 2574+29.54 AHD as shown on R/W Strip Map 3-T-291.

1/4 Cor.
Not searched for

Sec. Cor.
Not searched for

1/4 Cor.
SFNF

Sec. Cor.
Not searched for

1/4 Cor.
Not searched for

0 250 500
Scale

064-H185_RS21.dgn

LEGEND

302 Set Monument
300 Found Monument
New R/W Monument
SFNF Searched for not found
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jeremy/Nov 08
ADOT REVIEW	Ken Richmond
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121
ROUTE NO.:	S.R. 64
LOCATION:	Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:53:10 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
Certified Federal Surveyor No. 1393 (Expires 10-2-11)

SHEET RS-21

Click here for SR 64 Index

RESULTS OF SURVEY

Click here for SR 64 Index

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2574+29.54 AHD to P.T. 2792+23.16 BK is based on P.O.T. 2574+29.54 AHD as shown on R/W Strip Map 3-T-291.

SHEET RS-21

1/4 Cor. SFNF

Sec. Cor. Not searched for

KAIBAB

3949 1/4 Cor. Fd. 3" GLO Cap. on 2 1/2" IP, 1.5 up, 1941

3950 Sec. Cor. Fd. 3" GLO Cap. on 2 1/2" IP, .5 up, 1941

SHEET RS-23

3966 1/4 Cor. Fd. 3" GLO Cap. on 2 1/2" IP, .5 up, 1941

COCONINO CO.

T.23N. R.2E. / T.22N. R.2E.

N00°22'02"E 2669.30'

N00°12'44"E 2677.05'

EXIST R/W ℄
CURVE DATA
PI 2788+14.17 ← 4633
Δ=08°11'38" LT
D=01°00'00"
T=410.39'
L=819.38'
R=5729.58' ← 4622

1994.49'
S86°31'29"E 2465.37'
P.O.C. 2807+08.35 L.T.&B. S23°52'23"E

1037.38'
200'
200'

4844 3965 4777 4842 3953 4626 4840 4841 4838 4624 4839 4775 4776 4845 3960 408 5496.52' S18°30'33"E 3952 4843 4834 4832 4621 4830 4735 4774 4623 4835 3956 4833 4837 3954 4790 C1/4 Cor. Not searched for Calculated By Intersection

P.O.T. 2792+23.16 BK AHD EQUA 2792+29.57 AHD

P.C. 2788+03.18

N00°41'31"E 2798.98'

S30°02'27"E 3.43'

P.O.T. 2812+44.75 BK AHD EQUA P.O.T. 2812+48.62 AHD

S86°21'04"E 2480.89'

P.O.T. 2835+94.14

NATIONAL

N00°41'31"E 2661.00'

3948 1/4 Cor. Fd. 3" GLO Cap. on 2 1/2" IP, 1.0 up, 1941

1/4 Cor. Not searched for

C1/4 Cor. SFNF Position Not Calculated

3961 1/4 Cor. Fd. 3" GLO Cap. on 2 1/2" IP, .8 up, 1941

C1/4 Cor. Not searched for Position not calculated

Exist R/W ℄
S22°26'05"E 4833.72'
S.R. 64 ★

4736 3945 3944 4831 413

1801.88'
N89°34'48"E 2578.52'
P.O.T. 2775+42.27

EXIST R/W ℄
CURVE DATA
PI 2806+41.05 ← 4634
Δ=12°07'09" RT
D=01°00'00"
T=608.23'
L=1211.93'
R=5729.58' ← 4625

3911 Sec. Cor. Fd. 7" Square Fence Post With found Identification plate, No LS Tag, 4.0 up

SUNSET STRIP NO. 2
CASE 2 MAP 75

N01°38'20"W 2718.72'

N00°02'08"E 2639.40'

N00°25'18"W 2626.58'

S86°31'29"E 2529.98'

FOREST

3962 1/4 Cor. Fd. 3" GLO Cap. on 2 1/2" IP, .8 up, 1941

3947 1/4 Cor. Fd. 1" A.C. on 1/2" Rebar. Flush, Tag LS 4520

3946 Sec. Cor. Fd. 3" GLO Cap. on 2 1/2 " IP, .8 up, 1941

3955 1/4 Cor. Fd. 3" GLO Cap. on 2 1/2" IP, .1 up, 1941

Sec. Cor. Not searched for

MATCH LINE

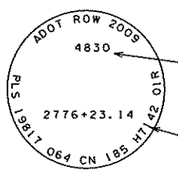
MATCH LINE

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2812+48.62 AHD to P.T. 2907+08.77 BK is based on P.O.T. 2812+48.62 AHD as shown on R/W Strip Map 3-T-291

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2792+29.57 AHD to P.T. 2812+44.75 BK is based on P.O.T. 2792+29.57 AHD as shown on R/W Strip Map 3-T-291.

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.



LEGEND

302 Set Monument
300 Found Monument
New R/W Monument
SFNF Searched For Not Found
301 Calculated position
Existing ADOT R/W monument
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

0 250 500 Scale

064rw185_rs22.dgn

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jeremy/Nov 08
ADOT REVIEW	Ken Richmond
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121
ROUTE NO.:	S.R. 64
LOCATION:	Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:50:04 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-3-10)
http://www.cfsb.org/roster.asp

SHEET RS-22

RESULTS OF SURVEY

Click here for SR 64 Index

SHEET RS-22

SHEET RS-24

1/4 Cor. Not searched for

3964 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up, In Mound of Stones 1941

C1/4 Cor. Not searched for Position not Calculated

3974 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.5 up, In Mound of Stones 1941

1/4 Cor. Not searched for

C1/4 Cor. Not searched for Position not Calculated

1/4 Cor. Not searched for

KAIBAB

N89°43'28"E 5378.90'

2487.40'

N88°34'43"E 2718.99'

3966 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up, 1941

4847 4778 4848

S87°46'52"E 108.55'

P.O.T. 2864+82.39

DETAIL "1"

3950 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .2 up, 1941

N00°12'44"E 2677.05'

108.55'

S18°30'33"E 5496.52'

4849 4846 4779 3969 3972 4852 4780 4855 4856 4781 3976

324.62' 200' 962.65'

P.O.C. 2891+97.89 L.T.B. S06°01'53"W

See Detail "1"

See Detail "BD" on Sheet RS-27

N02°37'23"W 2566.32'

3977 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .8 up, In Mound of Stones 1941

EXIST R/W ℄ CURVE DATA
PI 2944+79.97 4565
Δ=09°14'10" LT
D=0°59'58"
T=463.00'
L=924.00'
R=5732.09' 4631

3980 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up, In Mound of Stones 1941

N00°06'27"E 2655.45'

N00°36'34"E 2654.91'

See Detail "BE" on Sheet RS-27

3987 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 2.0 up, In Mound of Stones 1941

N00°10'13"W 2670.34'

3971

4851

200'

3973 Sec. Cor. Fd. 3" GLO Cap, on 2 1/2" IP, 1.0 up, 1941

See Detail "2"

P.O.C. 2901+84.50 L.T.B. S15°54'10"W

P.T. 2907+08.77 BK EDUA P.O.T. 2918+08.53 AHD

S21°08'54"W 2208.44'

Exist R/W ℄ S.R. 64

4858 4629 3975 4857 4630 4859 4861

P.C. 2940+15.97

P.T. 2949+40.97

4860 4632 4862 4782 4863

S89°51'10"E 2652.01'

S11°54'45"W 5574.67'

200'

1186.35'

P.O.T. 2957+71.03

See Detail "BF" on Sheet RS-27

N00°24'45"E 2653.98'

4627 3968 3967 4850

P.C. 2867+45.14

P.O.C. 2868+28.95 S17°40'14"E L.T.B.

5104.95'

4853 4854

DETAIL "2"

3961 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up, 1941

C1/4 Cor. Not searched for Position not calculated

1/4 Cor. Not searched for

C1/4 Cor. Not searched for Lands in lake Position not calculated

3978 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .2 up, 1941

4789 C1/4 Cor. Not searched for Calculated By Intersection

S87°42'52"E

EXIST R/W ℄ CURVE DATA
PI 2888+10.06 4635
Δ=39°39'27" RT
D=1°00'02"
T=2064.92'
L=3963.63'
R=5726.50' 4628

T.22N. R.2E.

COCONINO CO.

FOREST

15+14

1/4 Cor. SFNF

3962 1/4 Cor. Fd. 3" GLO Cap, on 2 1/2" IP, .5 up, 1941

MATCH LINE

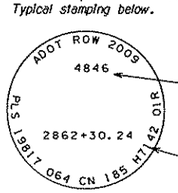
MATCH LINE

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2812+48.62 AHD to P.T. 2907+08.77 BK is based on P.O.T. 2812+48.62 AHD as shown on R/W Strip Map 3-T-291

BASIS OF STATIONING
Exist R/W Stationing from P.O.T. 2918+08.53 AHD to P.O.T. 3028+31.05 is based on P.O.T. 2918+08.53 as shown on R/W Strip Map 3-T-291

STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8 " rebar.
★ Typical stamping below.



LEGEND

★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009

★A Unless otherwise noted, set standard ADOT R/W monument in mortar at calculated position in Sept. 2009

★D Unless otherwise noted, set PK nail w/washer at calculated position in Sept. 2009

302 Set Monument

300 Found Monument

SFNF Searched For Not Found

301 Calculated position

Existing ADOT R/W monument

New R/W Monument

0 250 500 Scale

064rw185_rs23.dgn

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jeremy/Nov 08
ADOT REVIEW	Ken Richmond
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121
ROUTE NO.:	S.R. 64
LOCATION:	Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

SHEET RS-23

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:49:10 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofdc.noaa.gov

RESULTS OF SURVEY

KAIBAB

SHEET RS-23

3980
Sec. Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.5 up,
In Mound of Stones
1941

3987
1/4 Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP, 2.0 up
In Mound of Stones,
1941

3986
Sec. Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.1 up, 1941

4025
1/4 Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.2 up In mound of
stones, 1941

N00°36'34"E
2654.91'

N00°10'56"E 2653.21'

N00°46'08"E 2681.51'

See Detail "BG"
on Sheet RS-27

See Detail "BH"
on Sheet RS-27

See Detail "BI"
on Sheet RS-27

BASIS OF STATIONING
Exist R/W Stationing from
P.O.T. 2918+08.53 AHD to
P.O.T. 3028+31.05 is based
on P.O.T. 2918+08.53 as shown
on R/W Strip Map 3-T-291

1997.04'
S89°50'01"E 2642.89'

S89°48'34"E 2653.56'

S89°46'20"E 2629.75'

P.O.T. 2984+82.15

Exist R/W ℄

S.R. 64

S11°54'45"W 5574.67'

See detail "I"

P.O.T. 956+71.03
I-40 EXIST R/W ℄

S65°55'18"E
971.03'

N00°15'37"E
2679.67'

See Detail "BJ"
on Sheet RS-27

N00°24'45"E
2653.98'

N00°24'45"E 2652.11'

See Detail "BN"
on Sheet RS-27

3978
1/4 Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.2 up, 1941

4789
C1/4 Cor.
Not searched for
Calculated
By Intersection

3984
1/4 Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.2 up, 1941

4028
C1/4 Cor.
Fd. 3" KFS A.C.,
on 2 1/2" IP,
.2 Up, LS 12535
1983

S65°55'18"E 1950.79'
EXIST R/W ℄

I-40

C.S. 3043+36.63
Crossroad ℄

S89°53'56"E 2657.21'

N89°53'56"E 2660.48'

S89°39'37"E 2660.48'

P.O.T. 927+49.21
I-40 EXIST R/W ℄

NATIONAL

BASIS OF STATIONING
I-40 Exist R/W Stationing
from P.O.T. 927+49.21 to
P.O.T. 956+71.03 is based
on P.O.T. 947+00.00 at
Intersection of S.R. 64 ℄
as shown on R/W
Project I-40-3(33)

See Detail "BM"
on Sheet RS-27

See Detail "BL"
on Sheet RS-27

See Detail "BK"
on Sheet RS-27

N00°28'52"E 2664.53'

N00°19'54"E 2659.23'

3988
1/4 Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
1" up In mound
of stones, 1941

4011
Sec. Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.2 up In mound
of stones, 1941

4016
1/4 Cor.
Fd. 3" GLO Cap,
on 2 1/2" IP,
.2 up In mound
of stones, 1941

Sec. Cor.
Not searched for

MATCH LINE

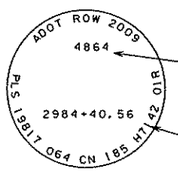
Coconino Co.

T.22N. R.2E.

FOREST

★ STANDARD ADOT R/W MONUMENT DETAIL

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.



LEGEND

302 Set Monument
300 Found Monument
SFNF Searched For Not Found
★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009
301 Calculated position
Existing ADOT R/W monument
New R/W Monument
Unless otherwise noted, set PK nail and washer at calculated position in Sept. 2009

Click here for SR 64 Index

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jeremy/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121

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

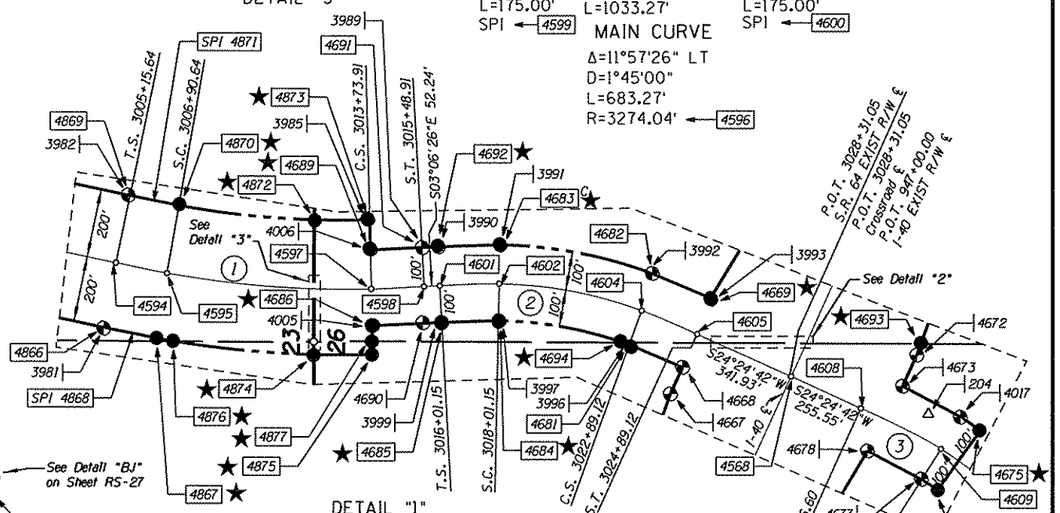
HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R
ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan
SHEET RS-24

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:45:14 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
Certified Federal Surveyor No. 1293
(Expires 10-3-11)

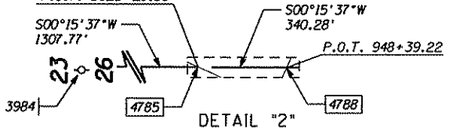
0 250 500
Scale

064rw185_rs24.dgn

DETAIL "3"



DETAIL "1"



DETAIL "2"

① EXIST R/W ℄ CURVE DATA
PI 3010+34.80 ← 4566

SPIRAL	TOTAL CURVE	SPIRAL
a=1.00	Δ=15°01'11" LT	a=1.00
Δ=1°31'52"	T=519.16'	Δ=1°31'52"
L=175.00'	L=1033.27'	L=175.00'
SPI ← 4599		SPI ← 4600

MAIN CURVE
Δ=11°57'26" LT
D=1°45'00"
L=683.27'
R=3274.04' ← 4596

② EXIST R/W ℄ CURVE DATA
PI 3020+52.17 ← 4567

SPIRAL	TOTAL CURVE	SPIRAL
a=2.00	Δ=27°31'08" RT	a=2.00
Δ=4°00'00"	T=451.02'	Δ=4°00'00"
L=200.00'	L=887.97'	L=200.00'
SPI ← 4606		SPI ← 4607

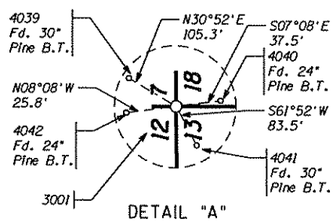
MAIN CURVE
Δ=19°31'08" RT
D=4°00'00"
L=487.97'
R=1432.39' ← 4603

③ CROSSROAD ℄ EXIST R/W ℄ CURVE DATA
PI 3039+33.88 ← 4569

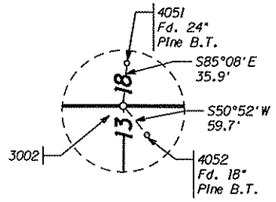
SPIRAL	TOTAL CURVE
a=1.67	Δ=62°30'05" RT
Δ=7°30'00"	T=847.28'
L=300.00'	L=1550.03'
SPI ← 4613	

MAIN CURVE
Δ=47°30'05" RT
D=5°00'00"
L=950.03'
R=1145.92' ← 4610

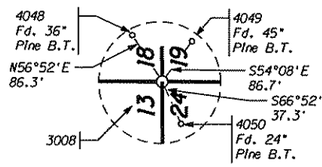
RESULTS OF SURVEY



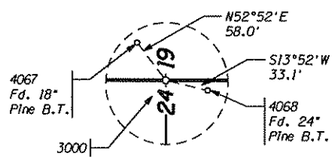
DETAIL "A"



DETAIL "B"



DETAIL "C"



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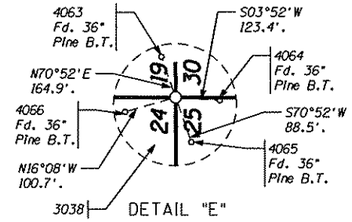

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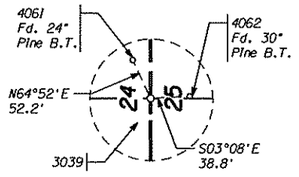

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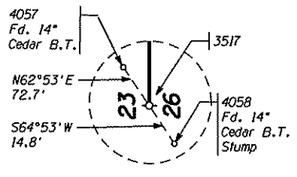

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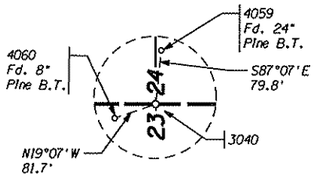

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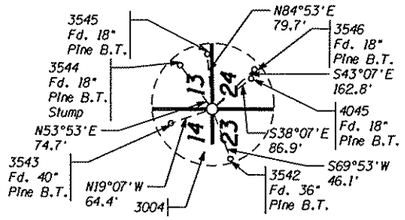

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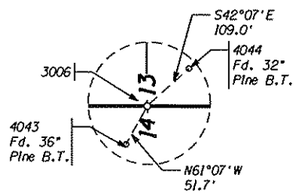

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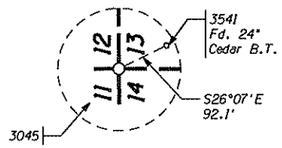

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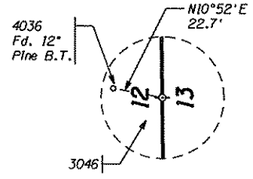

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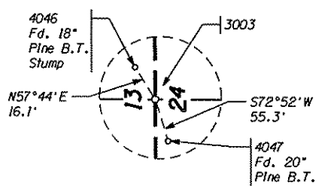

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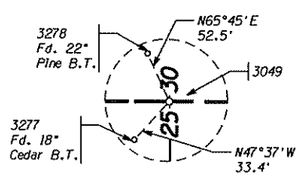

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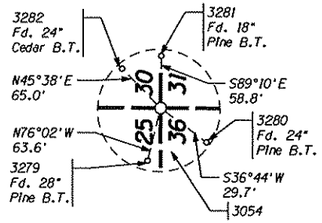

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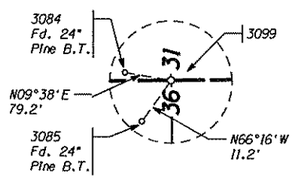

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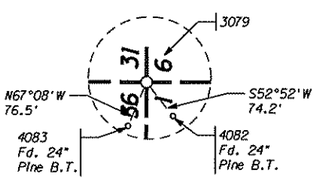

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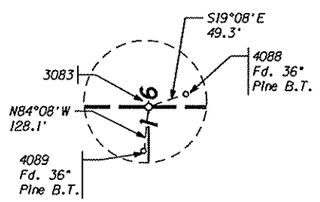

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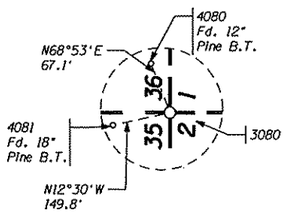

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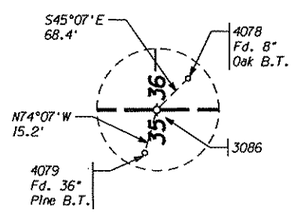

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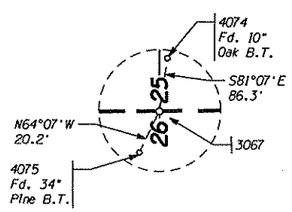

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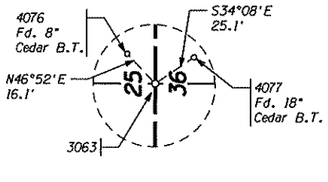

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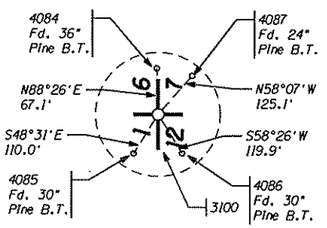

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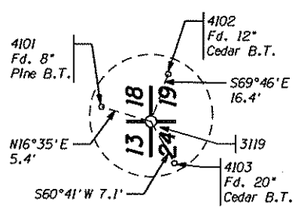


DETAIL "X"

064rw185_rs25.dgn

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument
B.T. Bearing Tree

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 08121

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

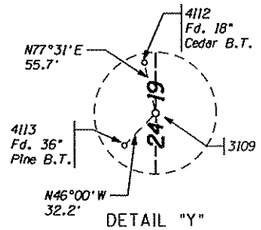
HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R
ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:40:19 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.azt.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofcc.org/certlist.asp

SHEET RS-25

Click here for SR 64 Index

RESULTS OF SURVEY



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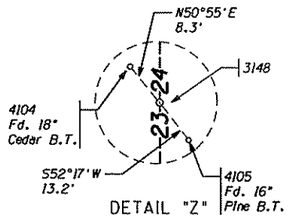

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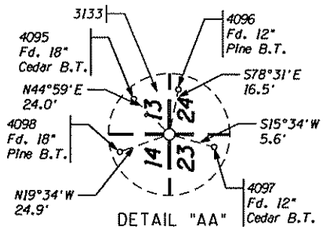

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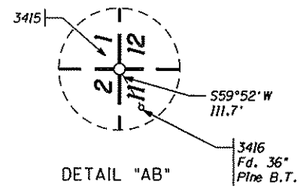

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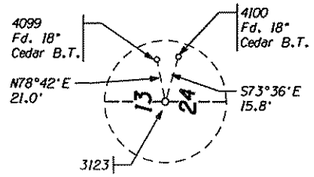

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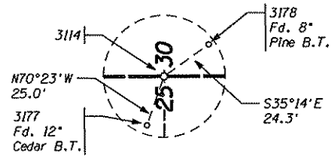

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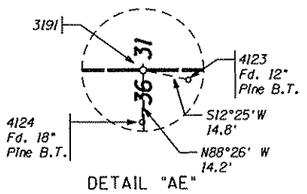

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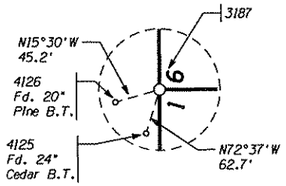

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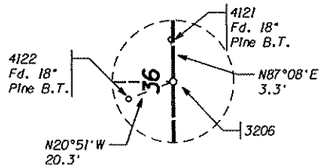

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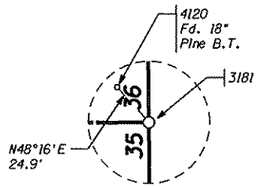

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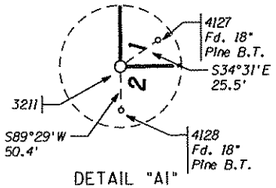

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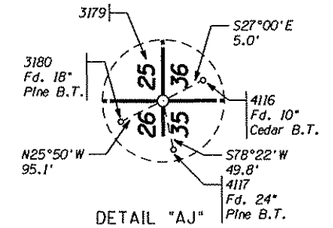

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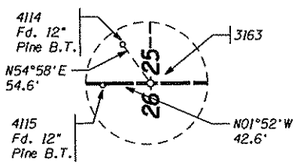

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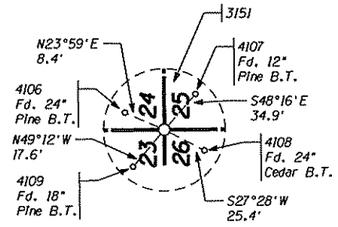

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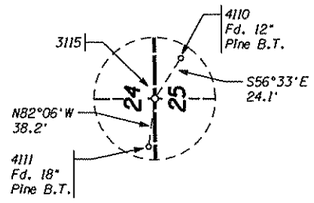

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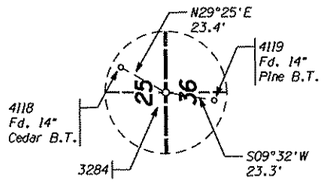

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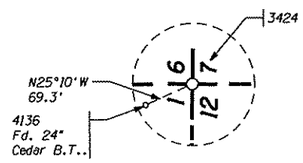

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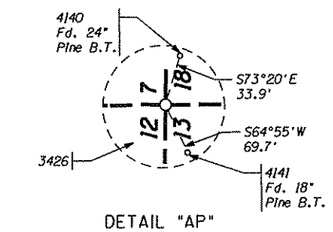

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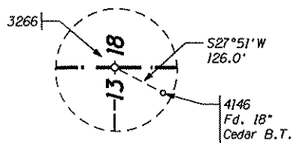

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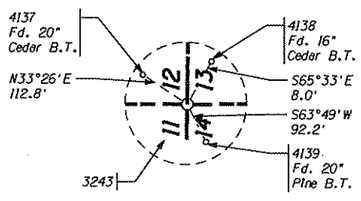

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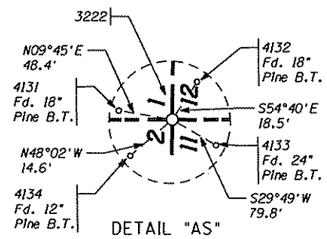

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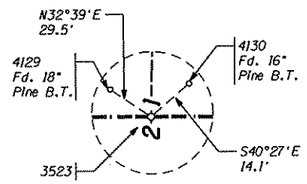

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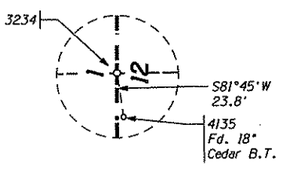

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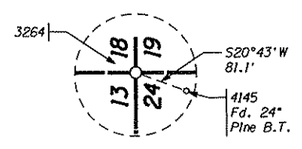

DETAIL "AV"

064rw185_rs26.dgn

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument
B.T. Bearing Tree

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R
ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan
SHEET RS-26

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:39:37 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofeb.org/surveyor.asp

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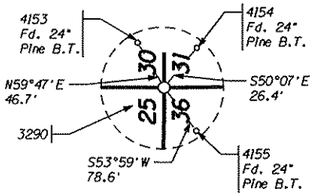
RESULTS OF SURVEY



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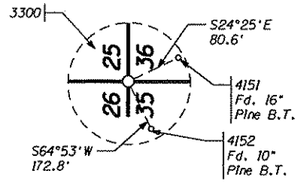

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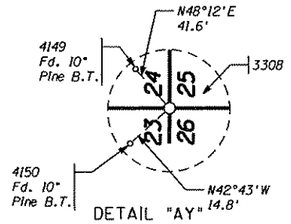

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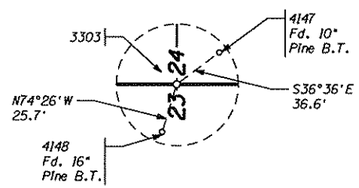

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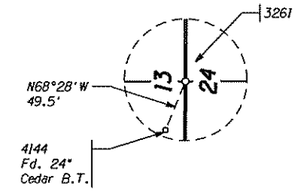

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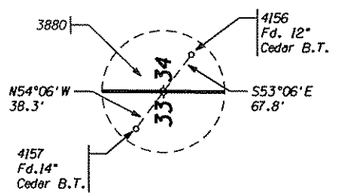

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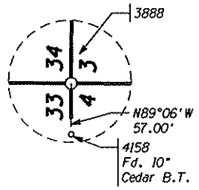

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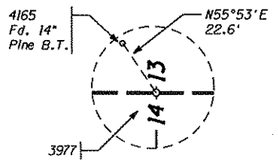

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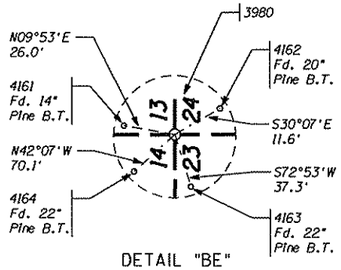

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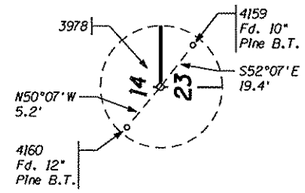

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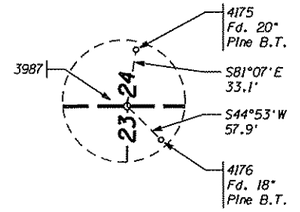

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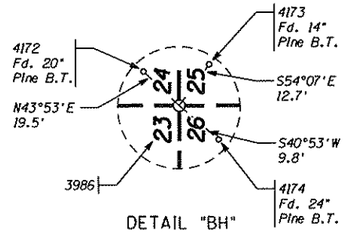

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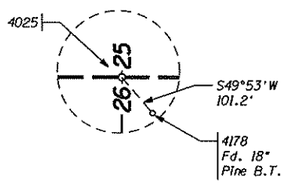

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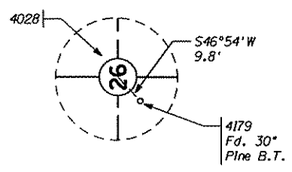

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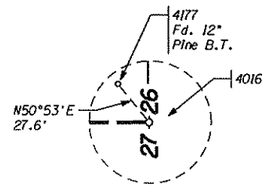

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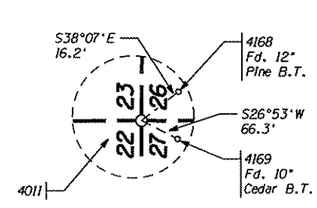

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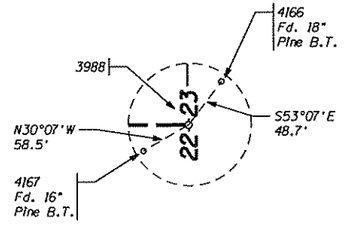
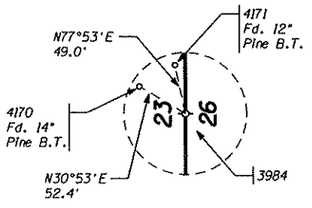


DETAIL "BM"



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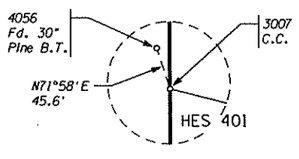

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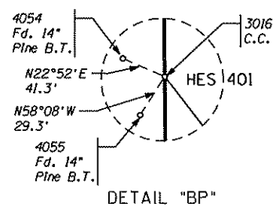

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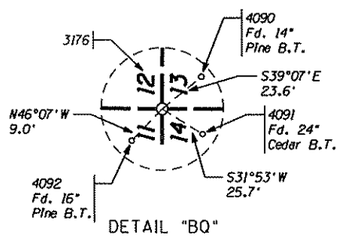

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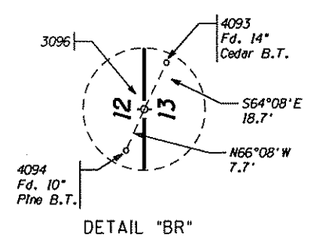

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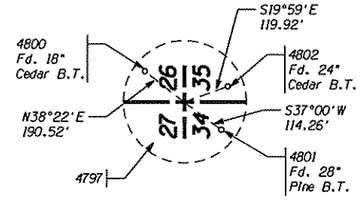

DETAIL "BS"

Click here for SR 64 Index

LEGEND

302 Set Monument
300 Found Monument
301 Calculated position
Existing ADOT R/W monument
B.T. Bearing Tree

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Tabatha/Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@hees.us Job # 08121

ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:37:53 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.cfsb.org/search.asp

SHEET RS-27

064rw185_rs27.dgn

RESULTS OF SURVEY

Click here for SR 64 Index

GENERAL NOTES

THIRTY NINE (39) ADOT ESS CONTROL STATIONS WERE USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY AND THEY ARE AS FOLLOWS:

ADOT ESS & Hubbard Point No.	Name	Latitude	Longitude	Grid Northing	Grid Easting	Ground Northing	Ground Easting	Description
102	AGS JUNCTION 1975	35°38'48.45170"	112°08'26.41773"	1690779.13996	633448.89799	1691451.39379	633700.75728	ADOT AC stamped JUNCTION 1975
104	AGS LAKE 1976	35°30'19.96073"	112°10'26.14184"	1639392.37196	623434.12699	1640044.19441	623682.00441	ADOT AC stamped LAKE 1976
105	AGS TROY 1975	35°37'46.22759"	112°07'00.15803"	1684472.56596	640554.84899	1685142.31229	640809.53361	ADOT AC stamped TROY 1975
107	AGS CINDER 1975	35°20'54.09503"	112°09'59.13139"	1582176.23996	625522.57499	1582805.31327	625771.28278	ADOT AC stamped CINDER 1975
110	AGS QUIVER 1975	35°32'19.99897"	112°09'49.85250"	1651521.04996	626464.66199	1652177.69477	626713.74435	ADOT AC stamped QUIVER 1975
114	AGS MILLER 1975	35°42'44.63726"	112°07'54.45174"	1714653.16296	636139.24899	1715334.90910	636392.17797	ADOT AC stamped MILLER 1975
115	AGS TRANS 1975	35°45'24.85773"	112°07'53.13924"	1730852.41796	636282.93999	1731540.60492	636535.92610	ADOT AC stamped TRANS 1975
201	USC&GS L 262 1945	35°38'35.39292"	112°08'28.33853"	1689459.17996	633287.36499	1690130.90897	633539.16006	USC&GS BM BC stamped L 262 1945
202	RV 232	35°22'24.41536"	112°09'48.17327"	1591305.46896	626453.02199	1591938.17205	626702.09972	Monel rivet in top of conc. footing
204	NGS T 489 1981	35°15'32.65409"	112°09'06.59585"	1549667.80196	629797.15599	1550283.94992	630047.56335	NGS VCM BC stamped T 489 1981
212	USGS 133 BKC 1974	35°47'41.75281"	112°07'48.05072"	1744692.71696	636732.43399	1745386.40682	636985.59882	USDOI GS BC stamped 133 BKC 1974
213	USGS 136 BKC 1974	35°50'34.71077"	112°07'55.77441"	1762181.70296	636134.69199	1762882.34645	636387.61915	USDOI GS BC stamped 136 BKC 1974
215	USGS 139 BKC 1974	35°55'07.40418"	112°07'47.02124"	1789752.14596	636915.38699	1790463.75145	637168.62456	USDOI GS BC stamped 139 BKC 1974
217	USGS 144 BKC 1974	35°58'45.74917"	112°07'27.63913"	1811825.81396	638556.47299	1812546.19594	638810.36305	USDOI GS BC stamped 144 BKC 1974
221	USGS 132 BKC 1974	35°46'02.73351"	112°07'50.32219"	1734681.45296	636523.46099	1735371.16235	636776.54273	USDOI GS BC stamped 132 BKC 1974
404	3630-4	35°16'28.53434"	112°08'51.30299"	1555314.30096	631078.44499	1555932.69397	631329.36179	5/8" rebar with tag stamped 3630-4 P&M ADOT 2000
408	3630-8	35°18'32.68602"	112°08'46.62819"	1567865.15096	631495.08499	1568488.53418	631746.16745	5/8" rebar with tag stamped 3630-8 P&M ADOT 2000
413	3630-13	35°19'43.76629"	112°09'23.03390"	1575058.54996	628495.42299	1575684.79328	628745.31278	5/8" rebar with tag stamped 3630-13 P&M ADOT 2000
415	3630-15	35°20'12.62587"	112°09'37.53177"	1577979.20896	627301.41399	1578606.61353	627550.82904	5/8" rebar with tag stamped 3630-15 P&M ADOT 2000
417	3630-17	35°21'02.37327"	112°10'01.57420"	1583013.69096	625322.34599	1583643.09724	625570.97416	5/8" rebar with tag stamped 3630-17 P&M ADOT 2000
432	3630-32	35°26'54.16700"	112°10'15.57642"	1618583.68796	624253.98999	1619227.23687	624502.19339	5/8" rebar with tag stamped 3630-32 P&M ADOT 2000
433	3630-33	35°27'56.32494"	112°10'23.25943"	1624869.68196	623634.68799	1625515.73019	623882.64515	5/8" rebar with tag stamped 3630-33 P&M ADOT 2000
435	3630-35	35°28'58.69307"	112°10'32.83371"	1631177.36896	622859.32099	1631825.92512	623106.96987	5/8" rebar with tag stamped 3630-35 P&M ADOT 2000
440	3630-40	35°31'21.91449"	112°10'06.53064"	1645651.95496	625071.41699	1646306.26622	625319.94540	5/8" rebar with tag stamped 3630-40 P&M ADOT 2000
442	3630-42	35°32'43.16983"	112°09'41.22730"	1653861.94596	627183.24799	1654519.52151	627432.61606	5/8" rebar with tag stamped 3630-42 P&M ADOT 2000
444	3630-44	35°33'42.90583"	112°09'25.70997"	1659898.36896	628480.20299	1660558.34459	628730.08673	5/8" rebar with tag stamped 3630-44 P&M ADOT 2000
448	3630-48	35°36'11.14833"	112°08'46.47357"	1674878.69096	631756.63099	1675544.62277	632007.81744	5/8" rebar with tag stamped 3630-48 P&M ADOT 2000
450	3630-50	35°37'08.89701"	112°08'39.78206"	1680716.11496	632322.67399	1681384.36773	632574.08550	5/8" rebar with tag stamped 3630-50 P&M ADOT 2000
453	3630-53=NO13	35°38'35.01652"	112°07'49.68062"	1689414.01196	636477.74599	1690085.72301	636730.80955	USGLO BC stamped 1/4 S12 S13 1916
454	3630-54	35°39'36.78156"	112°08'16.57766"	1695663.74696	634271.96899	1696337.94291	634524.15553	5/8" rebar with tag stamped 3630-54 P&M ADOT 2000
455	3630-55	35°40'39.58576"	112°08'04.91332"	1702011.50296	635248.51999	1702688.22277	635501.09481	5/8" rebar with tag stamped 3630-55 P&M ADOT 2000
460	3630-60	35°43'12.09753"	112°07'51.21278"	1717429.00896	636412.39199	1718111.85877	636665.42957	5/8" rebar with tag stamped 3630-60 P&M ADOT 2000
461	3630-61	35°44'15.23708"	112°07'50.82232"	1723812.81496	636458.51699	1724498.20298	636711.57291	5/8" rebar with tag stamped 3630-61 P&M ADOT 2000
464	3630-64	35°45'48.61408"	112°07'51.70175"	1733254.11396	636406.65999	1733943.25584	636659.69529	5/8" rebar with tag stamped 3630-64 P&M ADOT 2000
466	3630-66	35°46'51.26239"	112°07'46.35607"	1739587.40796	636860.93799	1740279.06795	637114.15391	5/8" rebar with tag stamped 3630-66 P&M ADOT 2000
470	3630-70	35°48'55.75799"	112°07'53.72870"	1752176.30596	636281.13499	1752872.97130	636534.12038	5/8" rebar with tag stamped 3630-70 P&M ADOT 2000
472	3630-72	35°49'54.87079"	112°07'54.49338"	1758153.28096	636231.29599	1758852.32274	636484.26156	5/8" rebar with tag stamped 3630-72 P&M ADOT 2000
483	3630-83	35°54'17.18707"	112°07'46.94827"	1784674.65596	636910.31499	1785384.24264	637163.55054	5/8" rebar with tag stamped 3630-83 P&M ADOT 2000

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. A GRID ADJUSTMENT FACTOR OF 1.0003976 AND SCALE ORIGIN VALUES OF N=0.00, E=0.00, AS DIRECTED BY ADOT ESS JOB NO. 3630 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.

064rw185_rs28.dgn

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jim C./Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heez.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R
ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:37:19 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.dtcreate.az.us/

Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.fsdb.org/roster.asp

SHEET RS-28

RESULTS OF SURVEY

PUBLIC INFORMATION USED IN PREPARATION OF SURVEY

COCONINO COUNTY RECORDER'S OFFICE

SEC.	TWP.	RNG.	BOOK	PAGE	DESCRIPTION
14	22N	2E	12	83	Record of Survey
16	22N	2E	4	40	Kaibab National Forest Survey
15	23N	2E	7	1	Record of Survey
27	23N	2E	25	23	Record of Survey
35	23N	2E	2	75	Sunset Strip No. 2
35	23N	2E	1	13	Sunset Strip
3	24N	2E	15	89	Howard Mesa Ranch Phase 3 Unit 3
9	24N	2E	9	98	Record of Survey
15	24N	2E	15	71	Amd Howard Mesa Ranch Phase 3 Unit 1
15	24N	2E	3440010		Results of Survey
27	24N	2E	1	18	Kaibab High No. 3
15	25N	2E	15	7	Amd Howard Mesa Ranch
27	25N	2E	15	61	Results of Survey
27	25N	2E	26	71	Results of Survey
27	25N	2E	15	99	Howard Mesa Ranch Phase 3 Unit 4
27	25N	2E	15	61	Howard Mesa Ranch Phase 1 Unit 5
34	25N	2E	16	20	Howard Mesa Ranch Phase 3 Unit 8
34	25N	2E	16	36	Amd Howard Mesa Ranch Phase 3 Unit 8
34	25N	2E	27	5	Results of Survey
34	25N	2E	23	4	Results of Survey
1	26N	2E	11	99	Record of Survey
1	26N	2E	12	29	Record of Survey
1	26N	2E	1	68	Results of Survey
11	26N	2E	3392112		Record of Survey
12	26N	2E	14	27	Record of Survey
12	26N	2E	2	182	Grand Canyon Sub Unit 10
18	26N	3E	2	211	Grand Canyon Sub Unit 11
19	26N	3E	2	41	Townsite of Canyon Vista
12	27N	2E	13	33	Results of Survey
13	27N	2E	3	98	Woodland Ranch
13	27N	2E	24	53	Record of Survey
13	27N	2E	3411993		Results of Survey
24	27N	2E	19	35	South Rim Ranch Phase 1
24	27N	2E	34116101		Results of Survey
31	27N	2E	1	69	Results of Survey
24	28N	2E	11	58	Results of Survey
24	30N	2E	6	9	Retracement of Grand Canyon Airport
24	30N	2E	3392114		Record of Survey
24	30N	2E	3372472		Record of Survey
24	30N	2E	19	62	Results of Survey
24	30N	2E	19	9	Record of Survey
24	30N	2E	17	52	Record of Survey
24	30N	2E	16	35	Easement Survey
24	30N	2E	15	43	Record of Survey
24	30N	2E	14	100	Record of Survey
24	30N	2E	14	69	Record of Survey
24	30N	2E	14	7	Record of Survey
24	30N	2E	11	84	Results of Survey
24	30N	2E	11	41	Record of Survey
24	30N	2E	9	19	Results of Survey
24	30N	2E	4	75	Retracement Survey
24	30N	2E	2	42	Record of Survey

ADOT RIGHT OF WAY PLANS

PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE
B-033-1-707	D-3-T-638	---	WILLIAMS-GRAND CANYON-CAMERON	1988
FH 2-A	3-T-305	---	GRAND CANYON-OLD TRAILS HWY	1951
F.H.P. 2-5	3-T-290	---	GRAND CANYON-OLD TRAILS HWY	1946
F.H. 2-C(4) D(6)	3-T-289	---	GRAND CANYON-OLD TRAILS HWY	1946
F.H. 2D5	3-T-288	---	GRAND CANYON-OLD TRAILS HWY	1946
F-033-1-710	D-3-T-662	64CN213 H2909	WILLIAMS-GRAND CANYON-CAMERON	1993
S-064-A-700	D-3-T-681	64CN187 H5377	CATARACT CANYON BRIDGE	2000
1-40-3(33)	D-3-T-593	---	ASH FORK-FLAGSTAFF HWY	1978

ADOT AS-BUILTS

PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE
F.H. 2-A9	---	---	FOREST HIGHWAY ROUTE 2	1954
F.H. 2-A6	---	---	FOREST HIGHWAY ROUTE 2	1953
2-A8, B6	---	---	FOREST HIGHWAY ROUTE 2	1954
2-B5	---	---	FOREST HIGHWAY ROUTE 2	1950
S-210(9)	---	---	FLAGSTAFF-VALLE AIRPORT HWY	---
2-C4, D6	---	---	FOREST HIGHWAY ROUTE 2	1947
2-D5	---	---	FOREST HIGHWAY ROUTE 2	1947
1-IG-40-3(28)	---	---	ASH FORK-FLAGSTAFF HWY	1978

GLO & BLM PLATS & NOTES

PLAT NO.	DESCRIPTION	DATE
00962	T. 22N. R. 2E. G. & S. R. M.	1947
01007	T. 23N. R. 2E. G. & S. R. M.	1882
01045	T. 24N. R. 2E. G. & S. R. M.	1919
01084	T. 25N. R. 2E. G. & S. R. M.	1919
01083	SUPPLEMENTAL PLAT SEC. 34 T.25N. R.2E. G. & S. R. M.	1920
1121	T. 26N. R. 2E. G. & S. R. M.	1919
1122	T. 26N. R. 3E. G. & S. R. M.	1919
1159	T. 27N. R. 2E. G. & S. R. M.	1901
1158	T. 27N. R. 2E. G. & S. R. M.	1919
1196	T. 28N. R. 2E. G. & S. R. M.	1901
1221	T. 29N. R. 2E. G. & S. R. M.	1901
1247	T. 30N. R. 2E. G. & S. R. M.	1901
---	HOMESTEAD ENTRY SURVEY NO. 401	1919
1247-A	SUPPLEMENTAL PLAT H.E.S. 401	1964
1247-B	DEPENDENT RESURVEY H.E.S. 401	2001
---	FIELD NOTES BOOK 5714	2001
---	FIELD NOTES BOOK 5773	2005
---	FIELD NOTES BOOK 3200	1916
---	FIELD NOTES BOOK R442	1883
---	FIELD NOTES BOOK 3099	1916
---	FIELD NOTES BOOK 520	1900
---	FIELD NOTES BOOK 551	1900
---	FIELD NOTES BOOK 554	1900
---	FIELD NOTES BOOK 584	1900
---	FIELD NOTES BOOK 1373	1900
---	FIELD NOTES BOOK 1261	1899
---	FIELD NOTES BOOK 1361	1900
---	FIELD NOTES BOOK 1378	1900
---	FIELD NOTES BOOK 600	1900
---	FIELD NOTES BOOK 1375	1900
---	FIELD NOTES BOOK 1384	1900
---	FIELD NOTES BOOK 4737	1958
---	FIELD NOTES BOOK 4970	1970
---	FIELD NOTES HOMESTEAD ENTRY SURVEY NO. 401	1913

CALCULATED POINTS

PT.	NORTHING	EASTING
3686	1815624.91559	639117.74653
3687	1815359.65510	639133.73206
3688	1814433.25507	639189.56018
3689	1814788.18854	629650.93575
3690	1813513.56587	639065.03884
3691	1812082.81539	638871.32235
3692	1815123.26269	627176.14641
3693	1810738.87454	638343.68990
3694	1807495.17848	637070.21175
3695	1806040.77186	636499.21034
3696	1804754.40827	644051.27032
3697	1804479.34390	636556.51618
3698	1787208.97025	637190.35478
3699	1783647.42712	637321.06669
3700	1785736.98269	597082.70734
3701	1780118.58001	636822.15477
3702	1779240.10471	636697.95506
3703	1777758.40708	636488.47117
3704	1774347.60151	671303.05279
3705	1776264.22612	636406.40644
3706	1768085.23358	635957.19254
3707	1766862.63409	635890.04385
3708	1767263.78441	650913.60135
3709	1765645.36008	636022.34063
3710	1762641.44198	636348.81494
3711	1761425.35449	636480.98277
3712	1760483.64048	616494.69870
3713	1760202.22735	636463.74589
3714	1755343.57236	636395.27546
3715	1754480.69875	636383.11544
3716	1754993.38327	661244.65807
3717	1753619.06001	636430.83765
3718	1739998.79287	637185.20153
3719	1814458.42746	639145.21074
3720	1811811.99658	638707.51249
3721	1809213.51608	637744.83272
3722	1809166.13217	637726.22976
3723	1806522.52274	636762.87055
3724	1803880.73214	636578.48578
3725	1801236.70257	636675.52410
3726	1798596.34001	636772.42784
3727	1795955.66235	636869.34314
3728	1793305.95300	636966.58991
3729	1790658.34799	637063.75945
3730	1785350.57572	637215.49718
3731	1780052.30003	636812.78404
3732	1777407.62779	636488.03282
3733	1774755.51656	636323.54375
3734	1772107.03257	636178.08136
3735	1769462.93466	636032.85987
3736	1766815.89698	635941.34901
3737	1764167.18845	636182.99250
3738	1761571.90981	636436.05545
3739	1758931.30353	636445.80128
3740	1756291.59466	636408.56511
3741	1753647.50181	636429.27720
3742	1751008.27107	636575.43722
3743	1748362.36682	636721.98168
3744	1745718.99041	636868.38613
3745	1743072.47289	637014.96455
3746	1740432.61400	637161.17417
3749	1815353.63966	639033.91315
3750	1815365.67053	639233.55097
★ 3751	1814459.11517	639245.29402
★ 3752	1814457.73975	639045.12563
★ 3753	1813500.14879	639164.13466

CALCULATED POINTS

PT.	NORTHING	EASTING
★ 3754	1813526.98295	638965.94302
★ 3755	1811812.62513	638811.69711
★ 3756	1811811.36758	638603.25295
★ 3757	1810775.41912	638250.60664
★ 3758	1810702.32997	638436.77316
★ 3759	1809488.64190	637745.41668
★ 3760	1809166.45765	637833.78824
★ 3761	1808938.39025	637744.24876
★ 3762	1809165.80670	637618.67127
★ 3763	1807531.72305	636977.12849
★ 3764	1807458.63390	637163.29502
★ 3765	1806522.64800	636865.84282
★ 3766	1806522.39757	636659.97991
★ 3767	1804483.01152	636656.44890
★ 3768	1804475.67628	636456.58346
★ 3769	1803880.62156	636678.55717
★ 3770	1803880.84273	636478.41440
★ 3771	1801236.38250	636775.60317
★ 3772	1801237.02264	636575.44503
★ 3773	1798595.96543	636872.50891
★ 3774	1798596.71458	636672.34676
★ 3775	1795955.11527	636969.43054
★ 3776	1795956.20943	636769.25573
★ 3777	1793305.48322	637066.67447
★ 3778	1793306.42278	636866.50534
★ 3779	1790657.85378	637163.84491
★ 3780	1790658.84220	636963.67398
3781	1787212.63788	637290.28750
3782	1787205.30263	637090.42206
★ 3783	1785350.25203	637315.49869
★ 3784	1785350.89941	637115.49566
3785	1780104.58113	636921.17008
3786	1780132.57889	636723.13946
★ 3787	1780052.13063	636913.75458
★ 3788	1780052.46942	636711.81350
3789	1779254.10360	636598.93975
★ 3790	1779226.10583	636796.97037
★ 3791	1777407.59851	636588.41687
★ 3792	1777407.65707	636387.65096
3793	1776269.71014	636306.55692
★ 3794	1776258.74209	636506.25595
★ 3795	1774755.34326	636423.68494
★ 3796	1774755.68986	636223.40255
★ 3797	1772106.98323	636278.22936
★ 3798	1772107.08191	636077.93336
★ 3799	1769462.78989	636133.00263
★ 3800	1769463.07944	635932.71710
3801	1768090.71760	635857.34303
3802	1768079.74955	636057.04206
★ 3803	1766815.70551	636041.39982
★ 3804	1766816.08846	635841.29889
★ 3805	1765634.55542	635922.92605
★ 3806	1765656.16474	636121.75521
★ 3807	1764167.03308	636283.59825
★ 3808	1764167.34383	636082.38675
★ 3809	1761570.70421	636536.26894
★ 3810	1761573.11544	636335.83973
3811	1760200.81824	636563.73597
3812	1760203.63646	636363.75582
★ 3813	1758930.10918	636545.82854
★ 3814	1758932.49708	636345.84233
★ 3815	1756290.51506	636508.63015
★ 3816	1756292.67274	636308.64070
3817	1755342.16325	636495.26553
3818	1755344.98147	636295.28539
★ 3819	1753648.58738	636329.07374

Continued on RS-30

064rw185_rs29.dgn

Click here for SR 64 Index

★ *Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009. See sheets RS-3 to RS-24 for detailed monument information.*

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Jim C./Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:36:47 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.cfeds.org/roster.asp

SHEET RS-29

Click here for SR 64 Index

RESULTS OF SURVEY

Continued From RS-29

CALCULATED POINTS		
PT.	NORTHING	EASTING
★ 3820	1753646.41618	636529.48544
★ 3821	1753624.59008	636530.68462
3822	1753613.52995	636330.99067
★ 3823	1751007.53528	636675.63124
★ 3824	1751009.00685	636475.24321
★ 3825	1748363.10803	636621.78737
3826	1748361.62561	636822.17599
3827	1745718.63392	636968.55913
★ 3828	1745719.34691	636768.21312
★ 3829	1743072.01988	637115.14289
3830	1743072.92590	636914.78620
★ 3831	1740432.37337	637261.34076
★ 3832	1740432.85462	637061.00759
3833	1740004.29828	637285.04987
3834	1739993.23815	637085.35592
3835	1762652.24664	636448.22953
3836	1762630.63732	636249.40036
4182	1633638.57694	623434.09298
4184	1626274.35713	623801.27540
4185	1622152.18300	624743.19192
4186	1617871.11793	624269.37968
4201	1622821.18680	624590.32459
4202	1622664.94981	624624.80450
4203	1621944.18827	621111.38272
4204	1621629.25300	624684.11914
4205	1621470.10109	624667.70165
4206	1622717.19780	624614.08607
4207	1621576.12294	624679.43575
4208	1739335.59329	625210.93325
4209	1738160.45547	637145.83943
4210	1739078.11093	637236.19386
4211	1734134.59930	636749.44454
4212	1732961.89550	648659.63026
4213	1733055.22285	636692.21416
4214	1733596.20461	636696.43298
4215	1715974.86835	636559.01379
4216	1716064.61928	625050.20375
4217	1714769.61644	636486.27526
4218	1715370.33199	636554.29935
4219	1693912.88246	634124.49135
4220	1693380.28258	634064.18057
4221	1693344.87445	634377.09600
4222	1692870.43221	634323.41020
4223	1693161.36896	634702.00419
4224	1680026.66135	632552.03741
4225	1689718.90439	546960.57661
4226	1676275.91554	632043.61715
4227	1678145.70192	632339.04051
4228	1681638.14320	598105.14743
4229	1674285.24121	631668.64017
4230	1675275.05015	631885.48197
4231	1684135.49005	641638.08852
4232	1737824.35842	637112.74656
4233	1735151.31272	636849.55244
4234	1732512.05972	636687.97833
4235	1729850.35114	636667.22111
4236	1727225.26930	636646.74953
4237	1721799.53179	636604.43717
4238	1719158.09281	636583.83803
4239	1716516.17691	636563.23516
4241	1713874.67300	636384.93326
4242	1711232.22241	636085.70630
4243	1708591.11924	635786.63191
4244	1705949.20848	635487.46607
4245	1700664.97822	634889.08810
4246	1698008.40425	634588.26183
4247	1695364.21087	634288.83751
4248	1692721.94653	633989.63163
4249	1693658.56317	634095.69263
4250	1690080.39042	633690.50595
4251	1687439.54750	633391.46103
4252	1684798.65415	633092.41040
4253	1682157.74106	632793.35754
4254	1679516.89414	632492.77361
4255	1690520.55555	636731.38047
4256	1690086.41003	637065.00669

CALCULATED POINTS		
PT.	NORTHING	EASTING
4257	1687447.75621	639092.72339
4258	1687093.10519	639365.26077
★ 4259	1738170.25431	637046.32068
★ 4260	1738150.65662	637245.35819
★ 4261	1737823.05179	637012.13433
★ 4262	1737822.39847	636961.82822
★ 4263	1737825.66505	637213.35878
★ 4264	1735151.27903	636698.82377
★ 4265	1735151.33518	636950.03822
4266	1734124.80045	636848.96329
4267	1734149.29756	636600.16641
4268	1733054.44303	636792.21112
4269	1733056.39259	636542.21872
★ 4270	1732511.78190	636537.97160
★ 4271	1732512.24493	636787.98281
★ 4272	1729850.92819	636767.22866
★ 4273	1729849.48558	636517.20980
4274	1727225.48543	636746.75426
★ 4275	1727224.94510	636496.74244
★ 4276	1721799.58626	636704.44063
★ 4277	1721799.45008	636454.43197
★ 4278	1719158.10302	636683.84115
★ 4279	1719158.07749	636433.83334
4280	1716516.11340	636663.23771
★ 4281	1716516.27217	636413.23135
★ 4282	1715976.03808	636409.01836
★ 4283	1715974.08853	636659.01075
★ 4284	1714758.36451	636585.64021
★ 4285	1714786.49434	636337.22783
★ 4286	1713874.62883	636485.56737
★ 4287	1713874.73926	636233.98211
★ 4288	1711232.12852	636186.33477
★ 4289	1711232.36326	635934.76359
★ 4290	1708591.07690	635887.26622
★ 4291	1708591.18276	635635.68044
4292	1705949.14101	635588.09753
★ 4293	1705949.30968	635336.51887
4294	1700664.91941	634989.72055
4295	1700692.53704	634741.25017
★ 4296	1698008.69674	634688.93405
★ 4297	1698007.96553	634437.25349
4298	1695364.38640	634389.49649
★ 4299	1695363.94759	634137.84904
4300	1695004.64628	634097.16232
★ 4303	1693424.49226	634562.86111
4308	1693269.67382	634152.29452
4314	1692761.17443	634094.71284
★ 4315	1692721.66779	634090.23917
★ 4316	1692722.36465	633838.72032
★ 4317	1690080.15711	633791.11864
★ 4318	1690080.74038	633539.58692
★ 4319	1687439.25103	633492.06657
★ 4320	1687439.99219	633240.55273
★ 4321	1684798.35309	633193.01542
★ 4322	1684799.10575	632941.50288
★ 4323	1682157.49290	632893.96854
★ 4324	1682158.11330	632642.44103
★ 4325	1690438.63815	636731.27291
★ 4326	1690602.47294	636731.48802
★ 4327	1690086.28060	637002.04783
★ 4328	1690086.53946	637127.96555
★ 4329	1687447.89610	639155.67421
★ 4330	1687447.61633	639029.77257
★ 4331	1687175.05058	639365.34681
★ 4332	1687011.15980	639365.17473
4349	1730678.48950	636673.67931
4350	1693322.08449	634578.49971
4351	1684165.95654	641677.73436
4352	1684105.02355	641598.44268
4354	1674232.07023	631656.99177
4355	1673173.78002	631425.14748
4356	1668950.83093	630500.00745
4357	1666295.17881	629918.22205
4358	1663650.69178	629338.88265
4359	1661003.74665	628759.00474

CALCULATED POINTS		
PT.	NORTHING	EASTING
4360	1659730.85225	628480.14616
4361	1658362.35564	628180.34359
4362	1655724.57631	627602.47367
4363	1653114.85318	627030.75014
4364	1660476.55043	593427.11002
4365	1652318.56637	626856.30409
4366	1651531.43618	626644.33668
4367	1653087.61291	627024.77093
4368	1650448.24148	626352.64164
4369	1648216.72906	625751.71448
4370	1647810.87711	625642.42203
4371	1645167.39829	624930.55586
4372	1642527.60741	624219.68282
4373	1642256.56230	624146.69269
4374	1639273.92058	635222.58096
4375	1641091.64736	623832.99109
4376	1639886.95725	623768.51450
4377	1639879.30733	623768.10506
4378	1637246.80169	623627.20991
4379	1634606.50654	623485.89784
4380	1634147.70725	623461.34230
4381	1634453.85201	617741.28908
4382	1633142.26299	623317.35111
4383	1632254.95497	623108.70687
4384	1631967.85611	623041.10971
4385	1629431.88936	622444.60520
4386	1630448.65338	622683.76619
4387	1630253.45761	622640.24310
4388	1629695.23312	625450.11878
4389	1628656.86233	622780.13714
4390	1628472.20977	622856.94262
4391	1630318.85464	622653.23522
4392	1628594.72120	622804.30417
4393	1627709.55177	623184.62744
4394	1627921.02941	623093.76363
4395	1629330.50639	622608.64200
4396	1620920.75430	607384.29009
4397	1624751.54384	624149.23814
4398	1624047.54194	624310.10252
4399	1621405.95582	624660.60229
4400	1618767.15274	624368.54946
4401	1618737.18424	624365.23266
4402	1617473.36817	635784.26831
4403	1617000.50181	624305.24380
4404	1616127.45967	624341.20785
4405	1613491.63465	624449.78790
4406	1610854.52673	624558.42079
4407	1608215.66794	624667.12581
4408	1605210.67072	624790.91352
4409	1600888.62156	624968.95579
4410	1601725.95035	624934.46291
4411	1601961.77438	630659.18771
4412	1600096.24810	625241.81762
4413	1671778.09282	631119.38814
4414	1634946.84046	623504.11296
4415	1612421.23864	624493.88174
4416	1680015.40942	632651.40236
4417	1680043.53925	632402.98998
4418	1679516.62406	632593.44944
★ 4419	1679517.29488	632343.39889
★ 4420	1677811.01739	632150.18270
4421	1676291.52179	631944.84243
★ 4423	1674231.90988	631759.32820
4424	1674263.84129	631766.32355
4425	1674306.64114	631570.95679
★ 4426	1674232.23058	631554.65534

CALCULATED POINTS		
PT.	NORTHING	EASTING
★ 4427	1673646.49226	631426.33507
★ 4428	1672701.06777	631423.95988
★ 4429	1668950.69367	630602.34893
★ 4430	1668950.96820	630397.66596
★ 4431	1666295.53353	630020.67132
★ 4432	1666294.82408	629815.77278
★ 4433	1663651.00214	629441.32220
★ 4434	1663650.38141	629236.44310
★ 4435	1661004.07401	628861.44801
★ 4436	1661003.41929	628656.56146
★ 4437	1660202.70355	628481.14514
★ 4438	1659259.00094	628479.14718
4439	1658361.95997	628282.62847
4440	1658362.75130	628078.05871
★ 4441	1655724.20231	627704.76329
★ 4442	1655724.95031	627500.18404
4445	1653087.26977	627127.07829
★ 4446	1653087.95610	626922.44963
4448	1651557.43899	626547.77658
★ 4449	1650447.93616	626456.12186
★ 4450	1650448.54680	626249.16142
★ 4451	1648623.07423	625757.57731
★ 4452	1647810.69718	625745.93602
★ 4453	1647810.40855	625745.85829
4454	1647811.05689	625538.90801
★ 4455	1645167.19453	625034.06343
★ 4456	1645167.60206	624827.04829
★ 4457	1642527.32870	624323.17020
★ 4458	1642527.88612	624116.19543
4462	1639892.30173	623668.65742
★ 4463	1639879.34466	623667.96394
★ 4464	1639879.26999	623868.24619
4465	1637246.57823	623727.34107
★ 4466	1637247.02515	623527.07874
★ 4467	1634606.27639	623586.02865
★ 4468	1634606.73668	623385.76704
4473	1632698.68427	623110.28437
★ 4475	1631968.15427	622938.45071
★ 4478	1629330.18304	622709.53553
★ 4479	1629330.82955	622507.80953
★ 4480	1628172.36559	623094.61389
★ 4483	1627669.69323	623092.91337
4485	1626687.85913	623479.30559
4486	1624773.81970	624246.72550
4487	1624729.26799	624051.75077
★ 4488	1624047.34335	624412.72530
★ 4489	1624047.74053	624207.47975
4490	1621405.73767	624761.18875
★ 4491	1621406.17396	624560.01584
★ 4492	1618766.97157	624469.14000
★ 4493	1618767.33391	624267.95891
4494	1618748.18470	624265.83955
4495	1618726.18378	624464.62577
★ 4496	1617004.61771	624405.15906
★ 4497	1616996.38591	624205.32854
★ 4498	1616127.32770	624441.29810
★ 4499	1616127.59164	624241.11761
★ 4500	1613491.51624	624549.87759
★ 4501	1613491.75305	624349.69821
★ 4502	1610854.33576	624658.51347
★ 4503	1610854.71770	624458.32811
★ 4504	1608215.62810	624767.21226
★ 4505	1608215.70778	624567.03936
4506	1605209.94002	624891.02843
★ 4507	1605211.40142	624690.79860
4508	1601730.06626	625034.37817

CALCULATED POINTS		
PT.	NORTHING	EASTING
4509	1601721.83445	624834.54765
★ 4524	1630272.94332	622542.15994
4525	1630339.48559	622555.35885
4526	1630425.75649	622781.10957
★ 4527	1630233.97190	622738.32627
4528	1630298.22254	622751.11131
★ 4530	1628693.10830	622873.33708
4531	1628632.06008	622897.10083
4532	1628432.73324	622765.06442
★ 4533	1628620.61635	622686.93720
4534	1628557.38339	622711.50705
★ 4536	1622685.04582	624722.76444
4537	1622738.02190	624711.90517
★ 4539	1622644.85380	624526.84456
4540	1622696.36908	624516.26804
★ 4542	1621638.03391	624584.50541
4543	1621585.64797	624579.87935
★ 4545	1621620.47209	624783.73288
4546	1621566.60262	624778.99268
4547	1593828.07151	627400.32773
4548	1587200.24784	625492.09295
4556	1581409.13007	625735.75872
4557	1577983.68735	627863.58581
4565	1558968.32407	631857.81654
4566	1552552.69448	630504.37959
4567	1551531.77466	630559.80183
4568	1550809.71220	630232.08347
4569	1549805.47520	629776.29617
4580	1594778.48659	627073.04268
4581	1594588.65021	627135.95372
4582	1593750.98700	624396.36578
4583	1593054.93456	627175.31032
4584	1592862.12145	627122.21842
4585	1594652.41134	627116.45796
4586	1592990.25746	627159.11040
4587	1582261.11759	625699.91069
4588	1582061.41661	625710.64225
4589	1582281.66626	628566.95312
4590	1580855.86452	626082.17725
4591	1580684.76696	626185.72084
4592	1582127.89434	625705.51616
4593	1580798.03388	626115.36134
4594	1553060.67365	630611.54254
4595	1552889.13287	630576.94763
4596	1552299.16389	633797.39856
4597	1552209.11285	630524.59266
4598	1552034.29815	630532.52155
4599	1552946.51557	630587.45982
4600	1552150.79727	630526.19721
4601	1551982.13579	630535.35327
4602	1551782.27515	630541.54339
4603	1551804.59070	629109.32274
4604	1551305.02599	630451.77913
4605	1551121.07198	630373.39855
4606	1551848.96737	630542.58252
4607	1551242.51370	630428.51661
4608	1550577.00580	630126.46634
4609	1550309.69867	629990.78564
4610	1550915.44136	629018.05838
4611	1549789.03210	629228.59491
4613	1550394.73593	630043.74056
4615	1588095.51972	625749.85311
4616	1586510.29539	631255.77273
4617	1586269.43198	625531.25775
4618	1578384.39202	627614.67484
4619	1575361.09086	622747.66990

CALCULATED POINTS		
PT.	NORTHING	EASTING
4620	1577547.66819	628043.60859
4621	1573079.79060	629888.29759
4622	1575266.36793	635184.23628
4623	1572347.32385	630253.99606
4624	1571656.13676	630663.22675
4625	1568737.09267	625732.98653
4626	1570555.98909	631166.19026
4627	1565343.79279	632911.09909
4628	1563525.87414	627480.81604
4629	1561459.84066	632821.63132
4630	1559400.14484	632024.86148
4631	1557332.09457	637370.89027
4632	1558515.29067	631762.24492
4633	1572700.46035	630044.91476
4634	1571132.75936	630973.10246
4635	1563385.68613	633566.62268
4636	1594811.04615	627167.59359
★ 4637	1594617.89017	627231.58335
4638	1594682.76997	627211.76679
★ 4639	1592834.45407	627218.31481
★ 4640	1593030.63776	627272.31375
4641	1592964.82699	627255.85083
4642	1582256.91373	625599.99909
★ 4643	1582053.72845	625610.93822
4644	1582121.36476	625605.70242
★ 4645	1580632.00042	626100.77561
★ 4646	1580806.09466	625995.44224
4647	1580747.24468	626029.18782
★ 4648	1580737.53350	626270.66607
★ 4649	1580905.63437	626168.91226
4650	1580848.82409	626201.53424
★ 4654	1582265.32145	625799.82229
★ 4655	1582069.10477	625810.34627
4656	1582134.42274	625805.32995
★ 4664	1551602.12339	628970.08553
4666	1551332.52103	629842.55024
★ 4669	1551076.90370	630463.16985
★ 4675	1550190.33213	630031.23321
★ 4676	1550308.48611	629869.84801
4680	1551433.83065	628373.03904
4681	1551339.90218	630358.05800
4682	1551270.14979	630545.50027
★ 4683	1551780.71723	630641.53129
★ 4684	1551783.83307	630441.55556
★ 4685	1551976.71512	630435.50029
★ 4686	1552206.36239	630424.63050
★ 4689	1552211.86330	630624.55483
4691	1552039.71882	630632.37452
★ 4692	1551987.55647	630635.20624
★ 4693	1550375.36407	630357.14975
★ 4694	1551349.45990	630361.57316
★ 4735	1573876.88156	629667.38435
★ 4736	1573875.30012	629451.66092
4737	1577509.50523	627951.17706
4738	1577585.83116	628136.04012
★ 4739	1577562.36671	627929.03610
★ 4740	1578060.13516	627914.79317
4741	1578437.15856	627699.62007
4742	1578331.62548	627529.72961
★ 4743	1579222.86268	626976.10814
★ 4744	1579222.47067	627211.79748
4745	1584503.98819	625505.45168
4746	1584501.96895	625705.71361
4747	1586273.63583	625631.16934
4748	1586265.22812	625431.34615

Continued on RS-31

★ *Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009. See sheets RS-3 to RS-24 for detailed monument information.*

064rw185.rs30.dgn

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Cindy C./Nov 08
ADOT REVIEW	Ken Richmond
HUBBARD ENGINEERING	480-892-3313 Gilbert, AZ jcrume@heaz.us Job # 08121
ROUTE NO.:	S.R. 64
LOCATION:	Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:36:17 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.dhr.state.az.us/
Certified Federal Surveyor No. 1393 (Expires 10-3-11)
http://www.ofeb.org/roster.asp

SHEET RS-30

RESULTS OF SURVEY

Continued from RS-30

CALCULATED POINTS

PT.	NORTHING	EASTING
★ 4749	1587128.97351	625459.11504
★ 4750	1587124.21279	625659.76733
4751	1588067.85235	625845.94951
4753	1589720.17544	626321.67435
★ 4754	1589727.37434	626115.62265
★ 4755	1592299.53881	627064.30590
★ 4756	1592307.96187	626858.60664
★ 4757	1593141.45838	627144.36825
4758	1592889.78882	627026.12203
4759	1592878.38470	627068.62599
★ 4760	1594431.35845	627127.69100
4761	1596352.63065	626425.20709
★ 4762	1599264.66829	625422.41743
★ 4763	1599820.68132	625442.47496
4764	1600128.80767	625336.36853
4766	1599542.67481	625432.44619
4767	1592303.75034	626961.45627
4768	1589723.77489	626218.64850
4769	1587126.59330	625559.43497
4770	1584502.97857	625605.58264
4771	1579222.66668	627093.95281
4772	1577822.51607	627921.59230
4774	1573876.09084	629559.52263
4775	1571911.00403	630512.32765
4776	1571055.93021	630972.36430
4777	1568331.80056	631910.79119
4778	1565592.94565	632827.68914
4779	1565264.12204	632937.12399
4780	1562924.16264	633175.61590
4781	1561956.77479	632988.15019
4782	1557703.11126	631590.90809
4783	1555050.37250	631031.28808
4784	1552399.67594	630524.89723
4785	1551092.44557	630360.40605
4786	1551615.95065	628455.69681
4787	1550408.39636	631116.30338
4788	1550752.17247	630358.86085
4795	1811814.19689	639072.22102
4796	1811816.95011	639528.57453
★ 4803	1703307.39257	635288.95007
★ 4804	1703307.48028	635037.36224
4805	1703307.42765	635188.31494
★ 4810	1684802.87482	641062.16746
4811	1684802.73943	641125.32982
★ 4812	1684802.60404	641188.49218
★ 4813	1692723.58885	634975.36516
4814	1692723.72705	635038.31728
★ 4815	1692723.86524	635101.26940
★ 4816	1676872.97822	632031.60497
★ 4817	1676872.37865	632236.84652
4818	1676872.67395	632135.76138
4819	1671592.48706	631078.72667
★ 4820	1671592.65092	630976.39101
★ 4821	1671592.32320	631181.06233
4822	1693376.75163	634095.38494
4826	1626687.64649	623585.56738
★ 4829	1693468.40373	634174.79838
★ 4830	1573877.67228	629775.24606
★ 4831	1573874.50940	629343.79920
4835	1572245.43002	630081.89827
4837	1571554.24293	630491.12896
4838	1571526.10012	630507.67944
★ 4839	1571758.03058	630835.32453
★ 4840	1571042.34178	631196.11251
★ 4841	1571069.64635	630746.51306
4842	1570619.48053	631355.84478
4843	1570492.49765	630976.53574
★ 4844	1568318.05698	632126.30200
★ 4845	1568345.54414	631695.28038
★ 4846	1565895.54810	632937.29547
★ 4847	1565589.24174	633039.83893
★ 4848	1565601.22489	632614.00765

CALCULATED POINTS

PT.	NORTHING	EASTING
4850	1565280.30135	632721.44457
★ 4851	1564387.54530	632939.72848
★ 4852	1562929.16422	633377.19963
★ 4853	1562919.15807	632973.91151
★ 4854	1562745.89114	632951.99770
★ 4855	1561401.74084	633013.57846
4856	1561387.68372	633008.16115
4857	1561531.99760	632635.10149
★ 4858	1559327.98791	632211.39131
★ 4859	1559472.30178	631838.33166
★ 4860	1558474.00743	631957.93777
★ 4861	1558556.57390	631566.55206
★ 4862	1557702.58585	631795.19919
★ 4863	1557703.63667	631386.61699
★ 4864	1555049.77976	631235.56498
★ 4865	1555050.96525	630827.01119
4866	1553101.95688	630415.84968
★ 4867	1552925.17202	630380.22147
4868	1552984.31137	630391.03126
4869	1553019.39041	630807.23539
★ 4870	1552853.09372	630773.67378
4871	1552908.71901	630783.88823
★ 4872	1552399.01043	630724.97599
★ 4873	1552214.61375	630724.51700
★ 4874	1552400.13007	630324.82152
★ 4875	1552203.61194	630324.66833
★ 4876	1552864.66979	630369.68963
★ 4877	1552204.73424	630365.45700
4878	1730679.65923	636523.68388
4879	1730677.70968	636773.67627
4884	1612425.35455	624593.79700
4885	1612417.12274	624393.96648
4886	1804472.28122	636356.66986
4887	1804912.48780	636013.40661
4888	1805008.58810	636041.06041
4889	1805595.84630	635883.90121
4890	1805587.95460	635711.41385
4891	1805620.61163	635673.55201
4892	1805653.26865	635635.69018
4893	1805667.80207	635953.34448
4894	1805755.80277	635790.15862
4895	1804980.93430	636137.16071
4896	1805364.58495	636195.53097
4897	1804884.83400	636109.50690
4898	1804572.22353	636353.27356
4899	1804575.63197	636453.57336
4900	1804525.64867	636454.91402
4901	1804522.25237	636354.97171
4902	1804508.46230	635949.17329
4903	1804898.66090	636061.45676
4904	1804994.76120	636089.11056
4905	1805631.82418	635918.62284
4906	1805510.34845	635801.38872
4907	1805171.62386	635474.49149
4908	1804817.08219	636344.95263
★ 4910	1594745.92702	626978.49176
★ 4911	1594756.38161	627008.85123
★ 4912	1631811.85545	623107.14471

BEARING AND LINE TREES

PT.	NORTHING	EASTING
3084	1798661.04444	640360.62936
3085	1798587.47605	640337.11266
3177	1772113.38401	640302.84220
3178	1772085.14045	640340.40949
3180	1769549.99324	634962.62057
3277	1803899.06608	640347.53146
3278	1803898.09184	640420.07469
3279	1801245.42347	640296.84274
3280	1801206.25359	640340.74193
3281	1801229.23458	640417.36250
3282	1801275.55487	640405.01795
3414	1765842.38103	634997.75996
3416	1790612.02159	634990.86581
3423	1761832.58238	640011.59745
3541	1816989.10347	635151.27905
3542	1811773.97174	635054.18264
3543	1811850.67562	635076.37974
3544	1811833.85756	635157.81431
3545	1811796.93501	635176.85268
3546	1811670.98899	635208.74182
4036	1817113.74974	637762.75148
4039	1817206.95415	640468.95039
4040	1817079.35873	640419.58377
4041	1817077.19613	640341.29237

BEARING AND LINE TREES

PT.	NORTHING	EASTING
4042	1817142.10896	640411.27696
4043	1814455.61405	635056.18424
4044	1814349.78742	635174.55304
4045	1811721.45799	635151.11058
4046	1811814.81702	637763.94951
4047	1811789.93069	637697.48991
4048	1811869.38454	640473.33114
4049	1811771.41628	640471.32362
4050	1811807.55976	640366.76262
4051	1814464.06762	640445.04999
4052	1814429.43499	640362.97136
4054	1811852.54471	639088.64808
4055	1811829.95918	639047.71552
4056	1811830.91008	639571.89551
4057	1806543.79274	632537.96412
4058	1806504.37375	632459.85470
4059	1809149.99495	635175.94965
4060	1809235.36925	635069.81382
4061	1806545.88104	637786.38135
4062	1806484.96834	637741.24435
4063	1806580.37348	640541.20016
4064	1806403.20550	640377.08804
4065	1806497.31717	640301.79839
4066	1806623.05880	640357.42764
4067	1809209.21365	640438.82413
4068	1809142.06535	640384.65177
4074	1803869.06179	635164.86478
4075	1803891.20660	635061.42633
4076	1801244.40839	637719.66095
4077	1801212.62472	637721.99586
4078	1798554.45479	635115.63738
4079	1798606.88223	635052.55321
4080	1795989.65452	635135.70263
4081	1796111.72967	635040.68582
4082	1795891.93893	640273.60849
4083	1795966.45836	640262.27518
4084	1790644.05505	640398.20727
4085	1790569.34061	640413.50635
4086	1790579.44139	640228.92327
4087	1790708.30741	640224.83496
4088	1793243.57048	640350.16083
4089	1793303.24066	640206.57282
4090	1785339.35955	635038.69500
4091	1785335.84739	635010.23120
4092	1785363.90864	635017.31894
4093	1785340.94885	637685.99422
4094	1785352.22275	637662.12617
4095	1780072.28570	635035.46189
4096	1780052.02533	635034.66598
4097	1780049.91562	635016.99345
4098	1780078.77229	635010.15717
4099	1780054.96036	637700.38802
4100	1780046.38450	637694.95227
4101	1780055.60863	640318.49787
4102	1780044.76140	640332.34465
4103	1780046.95683	640310.76598
4104	1777413.29123	635017.73925
4105	1777399.98330	635000.85474
4106	1774765.46034	635015.81672
4107	1774734.55387	635038.44653
4108	1774735.24867	635000.68706
4109	1774769.26549	634999.10148
4110	1774739.87174	637704.59156
4111	1774758.41177	637646.63751
4112	1777418.54887	640378.38596
4113	1777428.87610	640300.83916

BEARING AND LINE TREES

PT.	NORTHING	EASTING
4114	1772138.66147	635060.46261
4115	1772150.18241	635014.78746
4116	1769459.96696	635006.32590
4117	1769454.38094	634955.26483
4118	1769480.98207	637647.89367
4119	1769437.63822	637632.55143
4120	1764185.60251	635010.78992
4121	1764165.09814	637646.66314
4122	1764183.90376	637636.14204
4123	1766793.09463	640300.51645
4124	1766807.93668	640289.50404
4125	1764178.26982	639954.28757
4126	1764203.11980	640002.01294
4127	1764148.31614	634757.19587
4128	1764168.87268	634692.34844
4129	1761616.86741	634779.60425
4130	1761581.29923	634772.83669
4131	1758998.98433	634780.68724
4132	1758940.58427	634787.58305
4133	1758882.04727	634732.81206
4134	1758961.04641	634761.63513
4135	1758916.44692	637380.46946
4136	1758950.64732	640002.46266
4137	1753759.60665	634832.70342
4138	1753662.16227	634777.83442
4139	1753624.78917	634687.81536
4140	1753603.89374	640097.71389
4141	1753584.06803	640002.11130
4144	1748375.47917	637359.42565
4145	1748269.80353	640034.38078
4146	1750871.15515	640017.60226
4147	1745697.05313	634797.97701
4148	1745733.33309	634751.39789
4149	1743110.30182	634812.19903
4150	1743093.44789	634771.14730
4151	1737720.69561	634815.13021
4152	1737720.73985	634625.35168
4153	1737819.75451	640089.39271
4154	1737779.32336	640069.29600
4155	1737750.03332	639985.46262
4156	1608175.61718	623068.93379
4157	1608238.78373	622983.69057
4158	1605224.63430	622943.39724
4159	1557694.24972	630419.86877
4160	1557709.49678	630400.56684
4161	1557724.95592	633061.02445
4162	1557689.30772	633062.38218
4163	1557688.36370	633020.91385
4164	1557751.34061	633009.54971
4165	1560367.46736	633080.25376
4166	1555030.71823	627770.47037
4167	1555110.55019	627702.16412
4168	1552382.77018	627719.13797
4169	1552336.38072	627679.15906
4170	1552445.17375	630393.24112
4171	1552410.48857	630414.25303
4172	1552405.43172	633033.40250
4173	1552383.93311	633030.17494
4174	1552383.96782	633013.47094
4175	1555039.46635	633061.02644
4176	1555003.55299	632987.46544
4177	1549753.74706	627715.15776
4178	1549644.89916	632906.51221
4179	1549713.86831	630347.02068
4800	1674388.57887	628904.70441
4801	1674147.94375	628717.69201
4802	1674126.48846	628827.43548

SECTIONAL & LOT CORNERS

PT.	NORTHING	EASTING
445	1658368.16012	631122.92774
453	1690085.72301	636730.80955
3000	1809174.20068	640392.58463
3001	1817116.56847	640414.92707
3002	1814467.11328	640409.27942
3003	1811806.22187	637750.33580
3004	1811789.82704	635097.47027
3005	1813110.58271	635099.69058
3006	1814430.64152	635101.45302
3007	1811816.79367	639528.53554
3008	1811822.21389	640401.06345
3016	1811814.49041	639072.59940
3028	1810530.39225	637417.22138
3029	1810288.62664	639147.66509
3031	1808543.42417	637259.58617
3037	1808723.21479	638323.97632
3038	1806526.32460	640385.40950
3039	1806523.71033	637739.12355
3040	1809158.17470	635096.56998
3045	1817071.80002	635110.73659
3046	1817091.45679	637758.47199
3049	1803876.53985	640372.22188
3054	1801230.08578	640358.52312
3063	1801233.40085	637707.91174
3066	1801241.87778	635057.33104
3067	1803882.38849	635079.59996
3079	1795936.73138	640332.76317
3080	1795965.48052	635073.10848
3083	1793290.14707	640334.00189
3086	1798602.72231	635067.17289
3096	1785349.10725	637669.16774
3099	1798582.95993	640347.38364
3100	1790642.21431	640331.08734
3109	1777406.50900	640324.00277
3114	1772104.98879	640326.39045
3115	1774753.16139	637684.47497
3119	1780050.43324	640316.95666
3123	1780050.84549	637679.79511
3133	1780055.31020	635018.49627
3148	1777408.05849	635011.29654
3151	1774757.78556	635012.40237
3163	1772107.60502	635016.17510
3176	1785357.66991	635023.80572
3179	1769464.42199	635004.05595
3181	1764169.02746	634992.20827
3187	1764159.53692	640014.10601
3191	1766807.54845	640303.69874
3205	1764162.02740	637379.64668
3206	1764164.93310	637643.36727
3211	1764169.32715	634742.74639
3222	1758951.28342	634772.49073
3234	1758919.86205	637404.02317
3242	1756309.17943	634778.67682
3243	1753665.47195	634770.55441
3250	1753636.86445	637411.15167
3256	1751021.42742	634783.88976
3257	1748376.75753	634776.68721
3261	1748357.31057	637405.47076
3264	1748345.65970	640063.06966
3266	1750982.56103	640076.46422
3283	1756252.59298	640023.53293
3284	1769460.61643	637636.41041
3285	1745707.91518	640049.48808
3286	1743070.69591	637407.92664
3287	1745717.07470	637406.68813
3288	1740425.67181	640051.05271
3289	1737827.91634	637386.71059

Continued on RS-32

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★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in Sept. 2009. See sheets RS-3 to RS-24 for detailed monument information.

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Cindy C./Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heez.us Job # 08121

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

SHEET RS-31

Professional Land Surveyor #Z No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:36:51 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-3-11)
http://www.ofeb.org/roster.asp

RESULTS OF SURVEY

Continued from RS-31

Click here for SR 64 Index

SECTIONAL & LOT CORNERS

PT.	NORTHING	EASTING
3290	1737796.25174	640049.03791
3294	1735152.03330	640073.67816
3299	1735150.85112	634784.18859
3300	1737794.08703	634781.81264
3303	1745726.43625	634776.15518
3308	1743082.57407	634781.18723
3319	1732513.43993	637433.22333
3320	1732508.54087	634787.97600
3321	1729870.02501	640076.89813
3322	1727226.97062	637433.94688
3324	1729839.34238	634759.29265
3325	1727221.19448	634761.34006
3330	1730677.69025	636768.92097
3336	1700662.71879	640024.57751
3337	1703305.94483	640033.02247
3338	1698021.24058	639382.51651
3339	1695377.05821	639379.21957
3340	1695368.48112	636737.74558
3341	1698014.65832	636740.88504
3342	1703307.58196	634745.69290
3343	1700665.06464	634741.20349
3344	1700664.91441	634102.95860
3346	1695363.87733	634097.55454
3347	1698006.98591	634100.07436
3350	1724441.35854	634775.22059
3351	1719158.44796	640062.45378
3352	1721799.98026	637427.79553
3367	1721798.54246	634788.08984
3373	1719157.90907	634784.15888
3378	1716517.30920	634780.35044
3379	1716515.63334	637419.12220
3380	1716515.08478	640058.22159
3381	1713873.06247	640054.20397
3382	1711230.78033	640047.85665
3383	1711230.98745	637409.21061
3384	1708589.32827	640042.94125
3385	1705945.71165	640038.00743
3386	1705947.92823	637396.99549
3388	1705949.69905	634755.77436
3389	1708591.54906	634765.15957
3390	1711233.44976	634770.36023
3412	1700663.52015	637384.11346
3413	1700664.31607	639386.94849
3415	1790668.10659	635087.48792
3417	1793314.80684	635080.30359
3418	1790655.16045	637709.28763
3419	1795951.10595	637702.93582
3422	1766817.69955	634999.45530
3424	1758887.92565	640031.93268
3425	1761528.86962	640013.69483
3426	1753613.61637	640065.23804
3427	1740438.33055	634781.49993
3476	1692721.65551	634094.66969
3481	1687448.36266	639365.63379
3482	1684806.51733	639362.85989
3483	1684800.04041	636724.21166
3484	1687442.51392	636733.60373
3485	1690091.14728	639369.41999
3489	1690079.46281	634090.52792
3490	1690085.57547	631454.48501
3491	1692736.26383	628822.06411
3498	1684795.68205	634085.57839
3501	1687437.49153	634089.15884
3502	1684803.58327	631445.27793
3503	1687453.04152	628812.23026
3504	1682167.58327	628803.06252
3505	1679519.72015	631439.37609
3506	1682154.56457	634081.19242
3507	1679512.64522	634076.56573
3514	1807887.84611	635096.56618
3516	1806516.05635	633913.03738
3517	1806510.65580	632473.25529
3523	1761592.02894	634763.68883
3548	1674228.29357	634067.23724
3549	1671587.71208	634060.82437

SECTIONAL & LOT CORNERS

PT.	NORTHING	EASTING
3550	1668947.55002	633787.40804
3551	1668947.08055	634053.44757
3552	1668950.58977	631147.34229
3553	1668949.60430	631414.53510
3554	1676882.43771	628793.52639
3555	1674232.42934	631427.80711
3567	1668953.32598	628506.00553
3568	1668953.14631	628773.74725
3570	1663648.13958	628496.50975
3573	1666290.27434	628501.76298
3574	1666308.57633	633787.56585
3575	1663659.14950	633778.47168
3576	1663656.14681	631139.36282
3581	1661002.86415	628482.83921
3583	1661019.76653	633772.19933
3584	1658374.76654	633764.04739
3585	1658361.20714	628477.24641
3591	1655721.41250	628467.78331
3592	1653082.80656	628457.79179
3593	1650442.05348	628449.88339
3594	1658371.40092	625842.01053
3595	1655740.69276	623194.59191
3597	1653091.64683	625822.05079
3598	1650457.60490	623179.18392
3614	1647810.69746	625745.85618
3617	1642523.39274	625784.62892
3618	1637242.02732	625766.57826
3619	1637237.70728	628406.89629
3620	1639877.57503	628414.85933
3621	1642519.25240	628422.64342
3622	1645160.50962	628429.90655
3623	1647801.14048	628438.09342
3624	1637247.92027	623125.98128
3625	1639879.54122	623140.71202
3626	1642530.49151	623148.79281
3627	1645170.88579	623158.95685
3628	1647815.17351	623168.72177
3665	1631967.66274	623107.68552
3673	1634595.21308	628399.46163
3674	1631959.62089	625750.26108
3675	1634607.35426	623117.06988
3682	1631975.31922	620471.54962
3683	1629345.81397	617832.34392
3684	1806520.49570	635096.56208
3837	1624039.68570	628369.86821
3838	1621403.66773	625715.62897
3839	1626688.63899	623089.59452
3840	1624049.91772	623082.40299
3841	1621409.39957	623072.70445
3862	1618769.50113	623064.68673
3863	1616129.15275	623057.09421
3864	1618759.97847	628351.80930
3865	1616122.25618	628342.23028
3866	1616125.66938	625699.04941
3867	1613490.17067	625687.31953
3868	1613484.47948	628333.30276
3875	1608214.21686	628312.63910
3876	1605204.35678	625656.00633
3880	1608216.32567	623014.71517
3883	1610852.39681	625674.78768
3884	1610857.44504	623028.83101
3888	1605223.73899	623000.39021
3889	1599977.93669	625448.14777
3898	1595089.83401	625271.81506
3901	1589669.82111	627762.95102
3902	1592264.38448	627837.56974
3903	1587074.03916	627774.46089
3905	1584480.98962	627786.37000
3906	1589759.75437	625188.81891
3907	1592481.57945	622618.69455
3908	1587133.13167	625283.85894
3909	1584505.26330	625378.99077
3910	1579225.55729	625356.05575
3911	1579221.35665	627881.56650
3912	1581850.33020	627831.16725

SECTIONAL & LOT CORNERS

PT.	NORTHING	EASTING
3946	1573864.34800	627957.68963
3947	1576503.75074	627959.32686
3948	1573883.25033	630536.14502
3949	1570935.02605	632963.18289
3950	1568265.77853	632946.07158
3955	1571237.83995	627977.02229
3961	1568423.66924	630470.21366
3962	1565786.38938	627835.04013
3964	1565614.62314	638314.99603
3966	1565588.74289	632936.15948
3973	1562918.41824	632944.09356
3974	1562985.85949	635662.24697
3977	1560354.79148	633061.54328
3978	1557706.16240	630404.55707
3980	1557699.34178	633056.56174
3984	1552400.20332	630366.34464
3986	1552391.37705	633019.88525
3987	1555044.57775	633028.32348
3988	1555059.94737	627731.51722
4011	1552395.51561	627709.13829
4016	1549736.33418	627693.74394
4025	1549710.10699	632983.90329
4028	1549720.56439	630354.17627
4033	1814448.87079	637754.40394
4034	1809166.18816	637744.73227
4035	1803879.46681	637723.52302
4037	1629328.93636	623098.52650
4038	1626683.34783	625733.69849
4240	1713875.37948	634775.35534
4333	1798592.84806	637705.42434
4334	1793302.48183	637706.11251
4335	1777407.27952	637682.13038
4336	1772106.30225	637660.43736
4337	1766812.64637	637639.88901
4338	1761560.41256	637391.74440
4339	1756280.81630	637407.58411
4340	1751002.15476	637408.31667
4341	1740432.04689	637397.24877
4342	1735151.43801	637410.13535
4343	1729854.77308	637433.58722
4344	1719158.17853	637423.45947
4345	1713874.22124	637414.16811
4346	1708590.43906	637403.10532
4347	1687445.26891	631449.88267
4348	1682161.07343	631442.32636
4510	1703306.65993	637390.55675
4512	1676874.72523	631433.58865
4513	1666299.42077	631143.34661
4514	1661011.32692	631131.14271
4515	1655731.04955	625832.02887
4516	1650449.91947	625783.93541
4517	1645165.75515	625765.25201
4518	1639878.55894	625775.58940
4519	1634601.28331	625758.42109
4520	1624044.80455	625724.66817
4521	1618764.74144	625707.33942
4522	1608215.27033	625666.01848
4789	1555052.24653	630385.44411
4790	1571084.47482	630502.34626
4791	1592374.66967	625229.53648
4792	1613493.29889	623042.96261
4793	1692733.24364	639373.41198
4797	1674239.18900	628786.46000
4798	1671596.16766	628780.10362
4799	1764165.34040	637379.63127
4806	1692727.45010	636734.27802
4809	1671591.93873	631421.17343

SECTIONAL & LOT CORNERS

PT.	NORTHING	EASTING
4823	1668947.33498	633787.40806
4824	1668949.96268	631147.34135
4825	1700662.91231	639386.94614
9001	1676867.02162	634070.61091
9010	1684800.62509	642111.71224

MISCELLANEOUS R/W MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3015	1813501.81990	639159.20681	5/8" RB	309+71.65	94.89 LT
3019	1811551.67102	638734.14214	PK NAIL LS27254	329+53.75	99.88 LT
3020	1811267.03386	638641.43362	1/2" REBAR W/YELLOW CAP -DAMAGED CAP LS1461	332+50.65	99.05 LT
3021	1811334.60818	638454.40877	RLS15215	332+46.19	99.76 RT
3022	1810539.29833	638157.82661	1" A.C. LS 13010	341+00.12	100.07 RT
3023	1810539.59656	638157.25469	1/2" REBAR W/ YELLOW CAP DAMAGED CAP	341+00.05	100.71 RT
3024	1810358.19079	638086.68111	1/2" REBAR W/ RED CAP LS 27254	342+94.70	100.11 RT
3025	1810357.87250	638085.58261	COTTON SPINDLE	342+95.39	101.02 RT
3026	1809957.48076	638144.28948	COTTON SPINDLE	346+46.64	99.95 LT
3027	1810703.78682	638437.61324	1/2" REBAR NO TAG	338+44.77	100.25 LT
3030	1809560.98849	637988.57037	1/2" REBAR NO TAG	350+72.61	99.90 LT
3032	1808708.53191	637438.55855	1/2" REBAR W/ YELLOW CAP DAMAGED	360+67.11	100.55 RT
3033	1809676.50750	637819.16599	1" A.C. LS 27254	350+26.99	100.01 RT
3034	1808514.26639	637572.26593	5/8" REBAR NO TAB	361+99.07	94.91 LT
3035	1808583.63200	637395.41236	5/8" REBAR NO TAG	361+99.13	95.06 RT
3036	1807567.28480	636883.73343	6X6 CONC. MON.	373+38.00	199.93 RT
3042	1811475.78144	638500.69181	6X6 CONC. MON.	330+96.38	99.91 RT
3043	1808827.97950	637701.10042	6X6 CONC. MON.	358+59.98	100.19 LT
3044	1804474.97015	636457.80863	3" A.C. KAIBAB NATIONAL FOREST	404+18.64	98.80 RT
3068	1803865.55294	635835.38314	3" A.C. KAIBAB NATIONAL FOREST	410+04.82	743.16 RT
3070	1802691.13224	636527.06721	5/8" REBAR NO TAG	422+03.82	95.01 RT
3140	1769496.49882	636134.78336	1" IP NO TAG	754+30.28	99.93 LT
3318	1745718.66857	636968.72118	NES_AC-LS14671	992+60.08	100.16 LT
3326	1727225.28069	636746.52909	1/2" REBAR NO TAG	1198+53.84	99.78 LT
3332	1732511.78722	636648.18469	1/2" REBAR NO TAG	1124+94.07	39.79 RT
3354	1718092.78058	636675.37806	1" A.C. LS 18548	1289+86.61	99.84 LT
3355	1719150.17514	636683.91847	1/2" REBAR NO TAG	1279+29.18	100.14 LT
3356	1719679.06933	636687.77860	1/2" REBAR W/DAMAGED CAP	1274+00.28	99.87 LT
3359	1725591.74296	636733.88129	1/2" REBAR	1214+87.42	99.87 LT
3360	1726680.16595	636742.27553	1/2" REBAR	1203+98.97	99.77 LT
3361	1723972.58199	636721.51672	1/2" REBAR	1231+06.63	100.13 LT
3362	1723421.41677	636717.10940	1/2" REBAR	1236+57.81	100.02 LT
3363	1722879.86678	636712.88435	1/2" REBAR	1241+99.38	100.02 LT
3364	1722341.58978	636708.73954	5/8" REBAR	1247+37.67	100.07 LT
3368	1721268.75063	636700.32345	1/2" REBAR	1258+10.54	100.02 LT
3369	1720738.36152	636696.12952	1/2" REBAR W/DAMAGED CAP	1263+40.95	99.96 LT
3370	1720208.54185	636691.99959	1/2" REBAR	1268+70.79	99.97 LT
3374	1717565.73514	636671.64100	1/2" REBAR	1295+13.67	100.22 LT
3375	1717042.44770	636667.66916	1/2" REBAR	1300+36.97	100.33 LT
3377	1716516.02507	636663.20834	1" A.C. LS 18548	1305+63.42	99.97 LT
3391	1705949.19581	635587.94509	1" A.C. LS 18548	1411+83.11	99.84 LT
3394	1707131.40621	635721.95155	1" A.C. LS 18548	1399+93.33	99.98 LT
3395	1708050.62616	635825.85030	1" A.C. LS 18548	1390+68.25	99.79 LT
3398	1709126.43468	635947.92620	1" A.C. LS 18548	1379+85.54	100.04 LT
3399	1710115.19909	636059.95358	1" A.C. LS 18548	1369+90.45	100.10 LT
3400	1711073.76070	636168.58508	1" A.C. LS 18548	1360+25.75	100.18 LT
3403	1713118.84513	636400.34503	1" A.C. LS 18548	1339+67.58	100.36 LT
3404	1714203.35161	636523.35796	1" A.C. LS 18548	1328+76.12	100.56 LT
3453	1699643.32642	634858.99574	1/2" REBAR NO TAG	1475+30.95	85.05 LT
3454	1698691.34212	634766.33483	1/2" REBAR LS 18215	1484+87.31	100.10 LT
3455	1697820.92505	634667.66030	1/2" REBAR W/ YELLOW CAP LS 18215	1493+63.31	99.99 LT
3457	1696959.27825	634570.02720	1/2" REBAR W/ YELLOW CAP LS 18215	1502+30.47	99.93 LT
3458	1696135.54452	634476.92284	1/2" REBAR W/ YELLOW CAP LS 18215	1510+59.45	100.10 LT
3467	1691752.54723	635657.35502	1/2" IP NO TAG	1552+81.79	1766.21 LT
3469	1690893.10626	636287.60559	1" IP NO TAG	1560+64.85	2489.16 LT
3559	1679516.59363	632593.95663	1" IP NO TAG	1677+84.13	100.51 LT

THESE MISCELLANEOUS R/W MONUMENTATION WERE USED FOR THE CENTERLINE ANALYSIS.

Continued on RS-33

064rw185_rs32.dgn

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Cindy C./Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 0812I

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:35:26 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofeb.org/roster.asp

SHEET RS-32

RESULTS OF SURVEY

Continued from RS-32

MISCELLANEOUS R/W MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3590	1657268.16271	627838.26541	1" A.C. LS 18548	1905+37.32	100.00 RT
3605	1654574.27110	627452.76684	1" A.C. LS 18548	1932+51.30	99.93 LT
3606	1654644.95562	627263.33090	1" A.C. LS 18548	1932+22.79	100.25 RT
3631	1638822.79712	623811.83797	1/2" REBAR NO TAG	2094+66.86	100.14 LT
3632	1638943.20944	623818.14478	1" A.C. LS 18548	2093+46.29	100.00 LT
3637	1640170.60062	623687.15731	1" A.C. LS 18548	2081+30.03	99.76 RT
3638	1640818.46988	623957.67333	1" A.C. LS 18548	2074+56.88	100.16 LT
3639	1641033.45609	623786.63422	1" A.C. LS 18548	2072+68.76	100.06 RT
3644	1646367.21753	625150.14134	1" A.C. LS 18548	2017+72.37	99.95 RT
3645	1646045.73967	625270.66781	1" A.C. LS 18548	2020+51.45	100.02 LT
3646	1645529.31552	624924.61291	1" A.C. LS 18548	2026+40.09	99.85 RT
3649	1643409.58302	624353.62396	1" A.C. LS 18548	2048+35.38	100.00 RT
3654	1641822.67460	623936.18657	1" A.C. LS 18548	2064+72.28	100.14 RT
3655	1637212.06324	623525.32047	1" A.C. LS 18548	2110+90.61	99.89 RT
3663	1632699.31643	623110.46996	1" A.C. LS 18548	2157+96.13	99.96 RT
3664	1632658.52382	623306.25800	1" A.C. LS 18548	2157+91.01	99.96 LT
3679	1626687.85375	623479.22432	1" A.C. LS 18548	2220+01.03	100.08 RT
3843	1621405.72104	624760.92581	1.5" A.C. LS 18548	2274+81.23	99.74 LT
3846	1621871.96485	624797.21688	1.5" A.C. LS 18548	Radius Pt.	---
3851	1623295.18221	624379.44066	1.5" A.C. LS 18548	2255+54.85	100.00 RT
3852	1623353.69871	624366.11035	1.5" A.C. LS 18548	2254+94.83	99.96 RT
3853	1623397.22737	624561.15500	1.5" A.C. LS 18548	2254+95.85	99.88 LT
3854	1624114.06290	624397.56710	1.5" A.C. LS 18548	2247+60.58	100.09 LT
3858	1624773.97828	624246.92415	1.5" A.C. LS 18548	2240+54.64	100.23 LT
3859	1625308.28492	624115.69845	1.5" A.C. LS 18548	2235+07.61	100.07 LT
3887	1605209.94232	624891.34944	1" A.C. LS 19313	2437+22.73	100.32 LT
3890	1599978.97832	625387.81708	1/2" REBAR NO TAG	2499+83.92	99.86 LT
3893	1599983.15415	625174.21333	1/2" REBAR NO TAG	2499+10.42	100.74 RT
3895	1602035.55840	625020.59382	1/2" REBAR W/ RED CAP LS 19319	2468+99.75	98.90 LT
3914	1579222.32771	626977.65174	1526_STATIC	2715+80.82	98.97 RT
3920	1589719.98509	626320.90114	1" IP NO TAG	2606+70.72	99.31 LT
3925	1584503.99326	625505.69665	1" IP NO TAG	2659+99.68	99.76 RT
3926	1584501.73011	625706.28579	1/2" REBAR W/ RED CAP LS 18548	2660+10.38	100.56 LT
3931	1581026.82152	626103.03484	1/2" REBAR W/ RED CAP LS 18548	Radius Pt.	---
3933	1580261.71374	626566.21635	1.5" A.C. LS 18548	2704+80.81	99.98 LT
3939	1578061.42665	627914.23399	1/2" BOLT	2730+54.12	100.10 LT
3944	1575203.82619	628905.08572	1" A.C. NO STAMP	2760+65.27	98.20 RT
3945	1573875.41177	629453.52939	3/8" REBAR NO TAG	2775+02.45	98.23 RT
4484	1626687.43401	623691.74992	1.5" A.C. LS 18548	2220+72.70	100.00 LT
4913	1743072.92000	636915.34800	1" IP NO TAG	1018+98.83	99.44 RT

THESE MISCELLANEOUS R/W MONUMENTATION WERE USED FOR THE CENTERLINE ANALYSIS.

MISCELLANEOUS MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION
3018	1811816.91546	639225.82919	NAIL
3259	1748361.31705	636822.48148	1" A.C. LS14671
3317	1738197.54138	637053.52649	5/8" REBAR NO TAG
3332	1732511.78722	636648.18469	1/2" REBAR NO TAG
3450	1700664.67034	634989.31325	1/2" REBAR LS 18548
3459	1695364.47839	634389.42719	1/2" REBAR W/ YELLOW CAP LS 18215
3460	1695363.68061	634136.39136	1/2" REBAR NO TAG
3470	1690286.96419	636753.49005	1" IP NO TAG
3475	1692219.03523	634033.09112	NAIL ON CONC. MON
3477	1692823.71660	634101.50897	2" IP W/TAG-LS15083
3478	1692763.10830	634094.68555	2" IP NO TAG
3518	1806405.14091	636638.02671	5/8" REBAR NO TAG
3586	1658362.70233	628078.07357	1" A.C. LS 18548
3587	1658361.98730	628282.57504	1" A.C. LS 18548
3602	1653087.05060	627126.71386	1" A.C. LS 18548
3609	1655398.70008	627428.69322	1" A.C. LS 18548
3616	1647647.24965	625494.86562	1" A.C. LS 18548
3633	1639743.62758	623861.29579	1/2" REBAR NO TAG
3636	1640044.21705	623681.88305	AGS LAKE 1976
3653	1642117.35578	624213.44702	1" A.C. LS 18548
3656	1637246.52936	623727.23281	1" A.C. LS 18548
3676	1627776.24663	623046.96065	1/2 INCH RB
3855	1624528.68131	624097.81683	1.5" A.C. LS 18548
3919	1592296.07775	627063.52802	1/2" REBAR W/ RED CAP DAMAGED
3934	1580079.01909	626679.39641	1.5" A.C. LS 18548
3935	1579941.87616	626764.78216	1.5" A.C. LS 18548
3936	1579670.44512	626933.42046	1.5" A.C. LS 18548
3968	1565312.72313	632815.91744	1/2" REBAR NO TAG
3969	1565376.21151	633005.51987	1/2" REBAR NO TAG
4474	1631967.55294	623143.76753	1" A.C. LS 18548

Click here for SR 64 Index

NOTE:
COORDINATES FOR THE EXIST R/W MONUMENTATION USED FOR CENTERLINE CONTROL WHOSE POSITIONAL TOLERANCE WAS WITHIN 0.25' OF THE CALCULATED POSITION WERE CONSIDERED TO BE WITHIN MEASURABLE TOLERANCE AND REFLECT THE CALCULATED POSITION.

COORDINATES FOR THE EXIST R/W MONUMENTATION USED FOR CENTERLINE CONTROL WHOSE POSITIONAL TOLERANCE WAS GREATER THAN 0.25' OF THE CALCULATED POSITION REFLECT THE ACTUAL MONUMENT FOUND. THE CALCULATED POSITION IS ALSO SHOWN ON THE ROS SHEETS AND CALCULATED POINTS TABLE.

ALL BRASS CAPS STAMPED BPR WERE NOT SET ON THE EXIST R/W LINE. THEY WERE INTENTIONALLY SET AT 95' FROM THE CENTERLINE AS SHOWN ON AS-BUILT PLANS F.H. 2-A6, F.H. 2-A9 & 2-D5.

EXISTING ADOT R/W MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3009	1815366.58793	639233.46974	BPR BRASS CAP	409+25.24	99.97 LT
3010	1815354.48128	639032.45289	BPR BRASS CAP	409+25.23	101.41 RT
3087	1799363.77808	636649.24685	BPR BRASS CAP	455+33.42	94.95 RT
3088	1799370.87950	636839.01686	BPR BRASS CAP	455+33.28	94.95 LT
3093	1786208.33908	637119.58087	BPR BRASS CAP	586+99.72	95.00 RT
3094	1786210.82549	637309.47819	BPR BRASS CAP	586+99.47	94.91 LT
3097	1787205.71935	637095.47976	BPR BRASS CAP	576+99.66	94.93 RT
3098	1787212.29595	637285.22703	BPR BRASS CAP	577+00.05	94.93 LT
3128	1780123.43736	636870.37853	BPR BRASS CAP	647+97.58	47.07 LT
3129	1780140.90739	636749.03363	BPR BRASS CAP	647+97.23	75.52 RT
3130	1782005.70317	637138.69870	BPR BRASS CAP	629+00.06	94.75 LT
3131	1782023.46551	636949.45307	BPR BRASS CAP	628+99.92	95.32 RT
3132	1779255.68114	636603.53489	BPR BRASS CAP	656+94.13	95.67 RT
3136	1776269.40838	636311.49366	BPR BRASS CAP	686+87.40	95.05 RT
3137	1776258.98155	636501.31579	PIPE ONLY BC MISSING	686+87.40	95.05 LT
3138	1769588.20684	635944.95033	BPR BRASS CAP	753+49.12	94.65 RT
3139	1769577.77458	636134.81313	BPR BRASS CAP	753+49.12	95.50 LT
3146	1768080.05157	636051.92693	BPR BRASS CAP	768+49.14	94.88 LT
3147	1768090.42565	635862.45870	BPR BRASS CAP	768+49.17	94.88 RT
3173	1763685.33938	636331.22308	BPR BRASS CAP	812+74.53	95.30 LT
3174	1763664.78929	636142.12806	BPR BRASS CAP	812+74.53	94.91 RT
3237	1760200.91394	636558.64281	BPR BRASS CAP	847+57.64	94.91 LT
3238	1760203.51264	636368.77539	BPR BRASS CAP	847+57.71	94.98 RT
3240	1762651.75813	636443.68880	BPR BRASS CAP	823+14.21	95.43 LT
3241	1762631.12736	636254.65768	BPR BRASS CAP	823+14.30	94.72 RT
3251	1753624.32301	636525.70653	PIPE ONLY BC MISSING	913+42.02	95.01 LT
3252	1753613.79559	636335.96884	BPR BRASS CAP	913+42.04	95.01 RT
3254	1755342.27803	636490.21611	BPR BRASS CAP	896+16.75	94.95 LT
3255	1755344.87935	636300.16837	BPR BRASS CAP	896+16.83	95.12 RT
3258	1748357.41866	636627.44169	BPR BRASS CAP	966+06.49	94.67 RT
3260	1748367.89099	636817.12395	BPR BRASS CAP	966+06.53	95.30 LT
3297	1734125.33271	636844.41388	BPR BRASS CAP	1108+68.97	95.42 LT
3298	1734143.86443	636655.53632	BPR BRASS CAP	1108+69.04	94.36 RT
3315	1739993.64270	637090.36011	BPR BRASS CAP	1049+83.07	94.98 RT
3316	1740003.91713	637280.04438	BPR BRASS CAP	1049+83.30	94.98 LT
3328	1728078.91055	636753.36170	NAIL ON CONC. MON	1190+00.18	99.95 LT
3329	1728081.07338	636503.22122	NAIL ON CONC. MON	1189+99.97	150.20 RT
3330	1730677.69025	636768.92097	BPR BRASS CAP	1164+01.36	95.24 LT
3331	1730679.28546	636578.83012	BPR BRASS CAP	1143+27.06	94.85 RT
3334	1733055.94154	636597.53925	BPR BRASS CAP	1119+50.33	94.68 RT
3335	1733054.31826	636787.15957	BPR BRASS CAP	1119+50.47	94.95 LT
3345	1697712.73795	634403.29702	NAIL ON CONC. MON	1495+00.55	150.52 RT
3357	1725079.95398	636729.92256	NAIL ON CONC. MON	1219+99.23	99.90 LT
3358	1725081.93833	636479.86724	NAIL ON CONC. MON	1219+99.19	150.16 RT
3365	1722080.93416	636706.61686	NAIL ON CONC. MON	1249+98.34	99.98 LT
3366	1722082.78475	636456.58584	NAIL ON CONC. MON	1249+98.44	150.06 RT
3371	1719481.15433	636686.37308	NAIL ON CONC. MON	1275+98.20	100.01 LT
3372	1719483.20321	636436.23059	NAIL ON CONC. MON	1275+98.10	150.14 RT
3392	1706130.84180	635608.45604	NAIL ON CONC. MON	1410+00.31	99.78 LT
3393	1706158.93455	635360.03208	NAIL ON CONC. MON	1410+00.34	150.22 RT
3396	1708614.96477	635889.93695	NAIL ON CONC. MON	1385+00.29	99.97 LT
3397	1708643.14736	635641.52762	NAIL ON CONC. MON	1385+00.23	150.04 RT
3401	1711623.27862	635979.26412	NAIL ON CONC. MON	1355+01.03	149.77 RT
3402	1711595.10689	636227.74449	NAIL ON CONC. MON	1355+01.06	100.30 LT
3405	1714755.62006	636585.93682	NAIL ON CONC. MON	1323+20.31	100.60 LT
3406	1714783.59788	636337.48496	NAIL ON CONC. MON	1323+20.47	149.42 RT
3409	1715965.76634	636658.90776	NAIL ON CONC. MON	1311+13.62	99.96 LT
3410	1715967.88163	636409.04004	NAIL ON CONC. MON	1311+13.63	149.91 RT
3448	1703149.50204	635270.71113	NAIL ON CONC. MON	1440+00.72	99.64 LT
3449	1703177.64358	635022.15135	NAIL ON CONC. MON	1440+00.72	150.51 RT
3451	1700168.47781	634933.09306	NAIL ON CONC. MON	1470+00.80	99.59 LT
3452	1700196.64589	634684.63249	NAIL ON CONC. MON	1470+00.76	150.46 RT
3456	1697684.53738	634651.89101	NAIL ON CONC. MON	1495+00.60	99.67 LT
3462	1693269.92101	634152.07731	ADOT A.C.	1539+43.42	99.76 LT

Continued on RS-34
BPR = BUREAU OF PUBLIC ROADS

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CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Cindy C./Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R
ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:35:05 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
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Certified Federal Surveyor No. 1293
(Expires 10-2-11)
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SHEET RS-33

RESULTS OF SURVEY

Continued from RS-33

EXISTING ADOT R/W MONUMENTATION					
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3468	1691570.50482	635861.48694	ADOT ANGLE IRON	2585+00.20	49.99 LT
3473	1688952.80066	637873.12623	ADOT ANGLE IRON	2551+98.83	49.97 LT
3479	1691631.48064	635940.71473	ADOT ANGLE IRON	2585+00.28	49.99 RT
3480	1689013.69787	637952.37103	ADOT ANGLE IRON	2551+98.83	49.97 RT
3488	1690231.40011	633808.08768	NAIL ON CONC. MON	1570+01.35	99.84 LT
3492	1687477.14239	633244.72321	NAIL ON CONC. MON	1598+01.51	150.04 RT
3493	1685291.53959	632997.45051	NAIL ON CONC. MON	1620+01.05	149.82 RT
3494	1683800.49361	632829.07541	NAIL ON CONC. MON	1635+01.58	149.35 RT
3496	1683772.40138	633077.44885	NAIL ON CONC. MON	1635+01.54	100.61 LT
3499	1685263.33441	633245.76709	NAIL ON CONC. MON	1620+01.14	100.10 LT
3500	1687448.95936	633493.15978	NAIL ON CONC. MON	1598+01.56	99.99 LT
3508	1680015.29187	632651.88996	NAIL ON CONC. MON	1672+82.66	100.50 LT
3509	1680043.42521	632403.47320	NAIL ON CONC. MON	1672+82.66	149.51 RT
3560	1677786.95135	632148.00875	NAIL ON CONC. MON	1695+56.97	119.47 RT
3561	1677756.45590	632365.89825	NAIL ON CONC. MON	1695+56.94	100.54 LT
3562	1676291.38629	631945.14822	NAIL ON CONC. MON	1710+68.04	99.68 RT
3564	1674306.53666	631571.12110	NAIL ON CONC. MON	1730+94.00	99.82 RT
3565	1674263.76221	631766.46304	NAIL ON CONC. MON	1730+93.97	100.15 LT
3571	1664490.77248	629625.27044	NAIL ON CONC. MON	1830+99.61	99.98 LT
3572	1664533.58770	629429.89265	NAIL ON CONC. MON	1830+99.60	100.04 RT
3577	1668349.30634	630470.31929	NAIL ON CONC. MON	1791+49.62	99.73 LT
3578	1668392.16502	630274.88387	NAIL ON CONC. MON	1791+49.58	100.35 RT
3579	1660979.68763	628856.02390	NAIL ON CONC. MON	1866+93.98	99.92 LT
3580	1661022.41868	628660.67497	NAIL ON CONC. MON	1866+94.04	100.05 RT
3588	1657997.40930	627998.25186	NAIL ON CONC. MON	1897+90.73	99.78 RT
3589	1657954.52217	628193.53247	NAIL ON CONC. MON	1897+90.83	100.16 LT
3607	1654862.60154	627311.28420	NAIL ON CONC. MON	1929+99.93	99.98 RT
3608	1654819.66888	627506.64529	NAIL ON CONC. MON	1930+00.06	100.04 LT
3610	1651557.37725	626548.04166	NAIL ON CONC. MON	1963+97.25	99.73 RT
3612	1649043.64993	625871.13165	NAIL ON CONC. MON	1990+00.52	99.71 RT
3613	1648991.62733	626064.14225	NAIL ON CONC. MON	1990+00.57	100.19 LT
3629	1638006.86797	623567.81632	NAIL ON CONC. MON	2102+94.67	99.93 RT
3630	1637996.17356	623767.36178	NAIL ON CONC. MON	2102+94.68	99.90 LT
3635	1639892.22268	623668.91113	NAIL ON CONC. MON	2084+06.61	99.74 RT
3641	1647365.90701	625626.24773	NAIL ON CONC. MON	2006+84.23	100.09 LT
3642	1647417.89939	625433.23528	NAIL ON CONC. MON	2006+84.22	99.81 RT
3647	1644647.09877	624894.13567	NAIL ON CONC. MON	2034+99.88	100.13 LT
3648	1644699.26736	624701.05157	NAIL ON CONC. MON	2034+99.72	99.88 RT
3669	1630425.48469	622780.85725	NAIL ON CONC. MON	2180+85.02	99.82 LT
3671	1628433.06093	622765.09870	NAIL ON CONC. MON	2201+08.80	99.84 RT
3747	1815630.93103	639217.56544	BPR BRASS CAP	406+60.42	100.00 LT
3748	1815618.90015	639017.92763	BPR BRASS CAP	406+60.42	100.00 RT
3856	1624729.60567	624051.83851	NAIL ON CONC. MON	2240+54.43	99.84 RT
3857	1624773.50081	624246.76270	NAIL ON CONC. MON	2240+84.12	99.97 LT
3860	1618726.21943	624463.77408	NAIL ON CONC. MON	2301+77.16	99.15 LT
3861	1618748.31254	624264.99183	NAIL ON CONC. MON	2301+77.07	100.86 RT
3870	1613924.07754	624532.34163	NAIL ON CONC. MON	2349+99.64	100.28 LT
3871	1613915.72638	624332.75740	NAIL ON CONC. MON	2349+99.77	99.48 RT
3872	1617004.56046	624404.01161	NAIL ON CONC. MON	2319+16.49	98.85 LT
3873	1616996.36180	624204.27462	NAIL ON CONC. MON	2319+16.46	101.05 RT
3874	1612417.21761	624394.19277	NAIL ON CONC. MON	2364+99.54	99.77 RT
3878	1607431.41827	624800.02532	NAIL ON CONC. MON	2414+99.38	100.51 LT
3879	1607423.20140	624599.90032	NAIL ON CONC. MON	2414+99.36	99.79 RT
3881	1609430.20085	624717.49343	NAIL ON CONC. MON	2394+98.90	100.31 LT
3882	1609420.45533	624518.04454	NAIL ON CONC. MON	2395+00.42	99.37 RT
3885	1605932.27292	624861.79322	NAIL ON CONC. MON	2429+99.80	100.52 LT
3886	1605924.16135	624662.03131	NAIL ON CONC. MON	2429+99.68	99.41 RT
3891	1600128.24696	625335.82276	NAIL ON CONC. MON	2498+25.85	99.30 LT
3894	1601722.17922	624833.84125	NAIL ON CONC. MON	2472+05.18	100.69 RT
3896	1602426.93120	624805.33678	NAIL ON CONC. MON	2464+99.85	100.17 RT
3897	1602434.87223	625005.03100	NAIL ON CONC. MON	2465+00.13	99.69 LT
3915	1594744.22688	626979.85957	NAIL ON CONC. MON	2554+51.78	99.26 RT
3916	1594811.57420	627167.71704	NAIL ON CONC. MON	2554+49.27	100.29 LT
3922	1588068.12428	625845.92301	NAIL ON CONC. MON	2623+89.52	99.90 LT
3923	1586265.10306	625431.71216	NAIL ON CONC. MON	2642+37.02.	99.64 RT

BPR = BUREAU OF PUBLIC ROADS

EXISTING ADOT R/W MONUMENTATION					
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3924	1586273.48610	625631.43268	NAIL ON CONC. MON	2642+37.04	100.26 LT
3929	1582257.80983	625600.17186	NAIL ON CONC. MON	2682+47.85	99.79 RT
3930	1582266.30113	625800.08132	NAIL ON CONC. MON	2682+47.77	100.30 LT
3932	1580738.58473	626269.84813	NAIL ON CONC. MON	2699+19.35	99.86 LT
3937	1578331.16424	627530.24269	NAIL ON CONC. MON	2726+29.41	99.81 RT
3938	1578436.60713	627700.03056	NAIL ON CONC. MON	2726+29.41	100.06 LT
3941	1577509.99130	627951.11707	NAIL ON CONC. MON	2735+69.58	99.87 RT
3942	1577586.56743	628135.59543	NAIL ON CONC. MON	2735+69.22	99.87 LT
3952	1570493.13599	630976.31873	BPR BRASS CAP	2812+44.05	200.00 RT
3953	1570620.79123	631355.37854	BPR BRASS CAP	2812+43.40	199.97 LT
3954	1571553.52047	630491.65132	BPR BRASS CAP	2800+33.74	199.92 RT
3956	1572245.80615	630081.96007	BPR BRASS CAP	2792+29.29	199.76 RT
3960	1568451.21909	631659.76427	BPR BRASS CAP	2834+01.20	200.13 RT
3965	1568578.20108	632039.07613	BPR BRASS CAP	2834+01.21	199.87 LT
3967	1565280.57746	632721.43553	BPR BRASS CAP	2867+44.87	199.92 RT
3971	1563954.04777	632990.47839	BPR BRASS CAP	2881+50.94	200.23 RT
3972	1563984.85815	633389.21230	BPR BRASS CAP	2881+51.11	199.70 LT
3975	1561531.39891	632634.92243	BPR BRASS CAP	2918+09.15	199.95 RT
3976	1561386.80895	633008.07035	BPR BRASS CAP	2918+09.38	200.23 LT
3981	1553101.32464	630415.91068	BPR BRASS CAP	3005+16.50	199.81 RT
3982	1553019.00576	630806.95987	BPR BRASS CAP	3005+16.07	199.81 LT
3985	1552220.94181	630726.06737	ADOT A.C.	3013+67.21	201.72 LT
3989	1552040.12701	630632.06583	ADOT A.C.	3015+48.48	99.71 LT
3990	1551986.24397	630635.42739	ADOT A.C.	3016+02.47	100.15 LT
3991	1551778.65778	630641.13807	ADOT A.C.	3018+03.08	99.64 LT
3992	1551269.73228	630545.33828	ADOT A.C.	3022+89.12	99.99 LT
3993	1551075.93518	630460.25934	ADOT ANGLE IRON	947+97.75	336.73 LT
3996	1551340.69264	630358.37219	ADOT A.C.	3022+88.21	99.98 RT
3997	1551782.04977	630441.15742	ADOT A.C.	3018+01.15	100.39 RT
3999	1551974.87085	630435.71400	ADOT A.C.	3016+03.01	99.98 RT
4005	1552205.50567	630427.86142	ADOT A.C.	3013+73.91	96.80 RT
4006	1552212.42037	630626.73448	ADOT A.C.	3013+73.40	102.19 LT
4007	1551333.09545	629842.31552	ADOT A.C.	941+28.77	315.51 LT
4009	1551599.91308	628974.51653	ADOT A.C.	932+28.28	199.82 LT
4017	1550257.28525	630075.16672	ADOT A.C.	947+85.42	567.89 RT
4180	1612425.29061	624594.33772	NAIL ON CONC. MON	2365+01.28	100.54 LT
4181	1601730.15622	625033.38920	NAIL ON CONC. MON	2472+05.42	99.02 LT
4309	1693245.50857	634365.85220	ADOT A.C.	2607+39.67	215.27 LT
4311	1693100.43597	634622.71251	ADOT A.C.	2604+68.13	100.00 LT
4312	1692957.71094	634732.39189	ADOT A.C.	2602+88.13	100.00 LT
4313	1692908.88877	634832.96841	ADOT A.C.	2601+88.14	50.00 LT
4353	1592890.51437	627026.33183	NAIL ON CONC. MON	2574+02.14	100.00 RT
4422	1676260.31116	632142.39216	NAIL ON CONC. MON	1710+67.95	100.00 LT
4443	1653093.45325	627128.43353	NAIL ON CONC. MON	1947+67.22	100.00 LT
4444	1653136.25311	626933.06676	NAIL ON CONC. MON	1947+67.22	100.00 RT
4447	1651505.43337	626740.89679	NAIL ON CONC. MON	1963+97.26	100.00 LT
4459	1642282.56511	624050.13259	NAIL ON CONC. MON	2060+02.55	100.00 RT
4460	1642230.55949	624243.25280	NAIL ON CONC. MON	2060+02.55	100.00 LT
4461	1639881.61277	623868.37158	NAIL ON CONC. MON	2084+06.54	100.00 LT
4469	1634153.05174	623361.48522	NAIL ON CONC. MON	2143+00.54	100.00 RT
4470	1634142.36277	623561.19938	NAIL ON CONC. MON	2143+00.54	100.00 LT
4471	1633119.36609	623414.69448	NAIL ON CONC. MON	2153+17.58	100.00 LT
4472	1633165.15988	623220.00773	NAIL ON CONC. MON	2153+17.58	100.00 RT
4481	1627749.02830	623276.50564	NAIL ON CONC. MON	2209+39.17	100.00 LT
4482	1627670.07524	623092.74924	NAIL ON CONC. MON	2209+39.17	100.00 RT
4523	1630471.55028	622586.42282	NAIL ON CONC. MON	2180+84.70	100.00 RT
4529	1628511.68630	622948.82082	NAIL ON CONC. MON	2201+09.09	100.00 LT
4535	1622843.46266	624687.81196	NAIL ON CONC. MON	2260+63.91	100.00 LT
4538	1622798.91095	624492.83723	NAIL ON CONC. MON	2260+63.91	100.00 RT
4541	1621481.10155	624568.30854	NAIL ON CONC. MON	2274+24.95	100.00 RT
4544	1621459.10064	624767.09476	NAIL ON CONC. MON	2274+24.95	100.00 LT
4663	1551798.07065	628538.35457	ADOT A.C.	927+49.21	200.00 LT
4665	1551362.43846	629719.96572	ADOT A.C.	940+05.23	291.66 LT
4667	1551210.15419	630196.65430	ADOT A.C.	945+02.24	350.00 LT
4668	1551169.75133	630285.67400	ADOT A.C.	946+00.00	350.00 LT

Continued on RS-35

Click here for SR 64 Index

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

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Cindy C./Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R

ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan

064rw185.rs34.dgn

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:34:49 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.ofeb.org/roster.asp

SHEET RS-34

RESULTS OF SURVEY

Continued from RS-34

EXISTING ADOT R/W MONUMENTATION

PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
4670	1550715.82985	631059.49339	ADOT A.C.	954+92.24	256.47 LT
4671	1550262.91403	630666.43931	ADOT A.C.	953+21.51	318.40 RT
4672	1550402.65345	630282.09134	ADOT A.C.	949+13.77	350.00 RT
4673	1550449.83863	630178.12814	ADOT A.C.	947+99.60	350.00 RT
4677	1550362.55948	629905.89951	ADOT A.C.	945+87.78	541.99 RT
4678	1550541.96257	630000.29111	ADOT A.C.	945+99.58	339.61 RT
4679	1551195.90564	628897.25965	ADOT A.C.	933+24.90	200.00 RT
4690	1552028.87747	630432.66858	ADOT A.C.	3015+48.91	100.00 RT
4752	1588123.18710	625653.75672	NAIL ON CONC. MON	2623+89.77	100.00 RT
4765	1600063.68854	625147.26671	NAIL ON CONC. MON	2488+69.83	100.00 RT
4832	1573156.11652	630073.16066	BPR BRASS CAP	2784+03.78	200.00 LT
4833	1573003.46468	629703.43453	BPR BRASS CAP	2784+03.78	200.00 RT
4834	1572449.21767	630426.09385	BPR BRASS CAP	2792+23.16	200.00 LT
4849	1565407.28423	633100.75361	BPR BRASS CAP	2867+45.14	200.00 LT
4880	1671756.69289	631217.07152	NAIL ON CONC. MON	1756+60.54	100.00 LT
4881	1671799.49275	631021.70476	NAIL ON CONC. MON	1756+60.54	100.00 RT
4882	1634941.49598	623603.97004	NAIL ON CONC. MON	2133+53.73	100.00 LT
4883	1634952.18494	623404.25588	NAIL ON CONC. MON	2133+53.73	100.00 RT

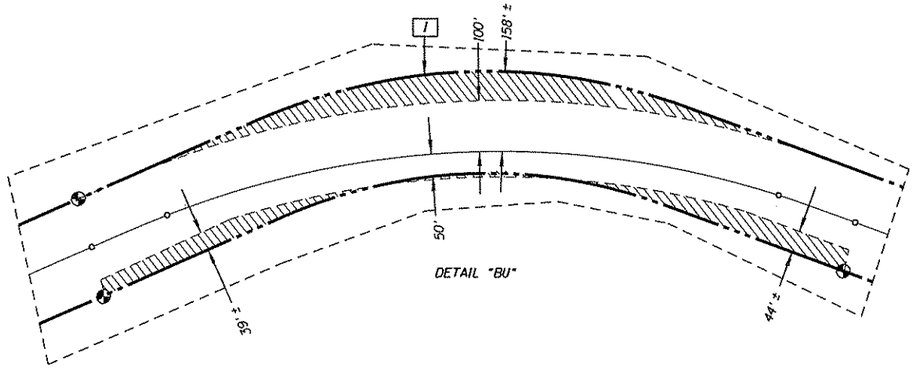
BPR = BUREAU OF PUBLIC ROADS

EXIST R/W LINE S.R. 64

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
3747	406+60.42	100.00 LT	3748	406+60.42	100.00 RT
3750	409+26.16BK	100.00 LT	3749	409+26.16BK	100.00 RT
	291+22.34AHD	---		291+22.34AHD	---
3689+	Radius Pt.	---	3689+	Radius Pt.	---
3751	300+19.86	100.00 LT	3752	300+28.18	100.00 RT
3689+	Radius Pt.	---	3689+	Radius Pt.	---
3753	309+72.63	100.00 LT	3754	309+72.63	100.00 RT
3692+	Radius Pt.	---	3692+	Radius Pt.	---
3755	326+83.76	100.00 LT	3756	327+42.51	100.00 RT
3692+	Radius Pt.	---	3692+	Radius Pt.	---
3758	338+46.42	100.00 LT	3757	338+46.42	100.00 RT
3760	354+96.42	100.00 LT	3759	352+28.81	100.00 RT
3761	357+41.43	100.00 LT	3762	355+75.64	100.00 RT
3764	373+31.15BK	100.00 LT	3763	373+31.15BK	100.00 RT
	373+37.00AHD	---		373+37.00AHD	---

+= RIGHT CURVE
-= LEFT CURVE



DETAIL "BU"

EXIST R/W LINE S.R. 64

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
3696-	Radius Pt.	---	3696-	Radius Pt.	---
3765	383+33.12	100.00 LT	3766	383+81.90	100.00 RT
3696-	Radius Pt.	---	3696-	Radius Pt.	---
3767	404+17.89	100.00 LT	3768	404+17.89	100.00 RT
3769	410+20.69	100.00 LT	3770	410+13.12	100.00 RT
3771	436+66.70	100.00 LT	3772	436+58.72	100.00 RT
3773	463+08.90	100.00 LT	3774	463+00.81	100.00 RT
3775	489+51.53	100.00 LT	3776	489+43.09	100.00 RT
3777	516+02.94	100.00 LT	3778	515+94.66	100.00 RT
3779	542+52.36	100.00 LT	3780	542+44.03	100.00 RT
3781	576+99.89	100.00 LT	3782	576+99.89	100.00 RT
3700+	Radius Pt.	---	3700+	Radius Pt.	---
3783	595+57.98	100.00 LT	3784	595+59.26	100.00 RT
3700+	Radius Pt.	---	3700+	Radius Pt.	---
3785	648+09.12	100.00 LT	3786	648+09.12	100.00 RT
3787	648+62.09	100.00 LT	3788	648+90.03	100.00 RT
3790	656+96.33	100.00 LT	3789	656+96.33	100.00 RT
3704-	Radius Pt.	---	3704-	Radius Pt.	---
3791	675+32.22	100.00 LT	3792	675+49.74	100.00 RT
3704-	Radius Pt.	---	3704-	Radius Pt.	---
3794	686+87.37BK	100.00 LT	3793	686+87.37BK	100.00 RT
	686+57.84AHD	---		686+57.84AHD	---
3795	701+63.50	100.00 LT	3796	701+74.14	100.00 RT
3797	728+15.86	100.00 LT	3798	728+26.74	100.00 RT
3799	754+64.03	100.00 LT	3800	754+74.73	100.00 RT
3802	768+49.16	100.00 LT	3801	768+49.16	100.00 RT
3708-	Radius Pt.	---	3708-	Radius Pt.	---
3803	781+22.18	100.00 LT	3804	781+15.81	100.00 RT
3708-	Radius Pt.	---	3708-	Radius Pt.	---
3806	792+92.61	100.00 LT	3805	792+92.61	100.00 RT
3807	807+90.51	100.00 LT	3808	807+68.46	100.00 RT
3835	823+14.22	100.00 LT	3836	823+14.22	100.00 RT
3712+	Radius Pt.	---	3712+	Radius Pt.	---
3809	833+94.06	100.00 LT	3810	833+80.74	100.00 RT
3712+	Radius Pt.	---	3712+	Radius Pt.	---
3811	847+57.66	100.00 LT	3812	847+57.66	100.00 RT
3813	860+28.50	100.00 LT	3814	860+28.93	100.00 RT
3815	886+68.35	100.00 LT	3816	886+69.01	100.00 RT
3817	896+16.80	100.00 LT	3818	896+16.80	100.00 RT
3716-	Radius Pt.	---	3716-	Radius Pt.	---
3820	913+20.08	100.00 LT	3819	913+07.06	100.00 RT
3716-	Radius Pt.	---	3716-	Radius Pt.	---
3821	913+42.03	100.00 LT	3822	913+42.03	100.00 RT
3823	939+63.10	100.00 LT	3824	939+50.54	100.00 RT
3826	966+13.06	100.00 LT	3825	966+00.50	100.00 RT

EXIST R/W LINE S.R. 64

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
3827	992+60.10	100.00 LT	3828	992+48.31	100.00 RT
3829	1019+10.77	100.00 LT	3830	1018+98.79	100.00 RT
3831	1045+54.47	100.00 LT	3832	1045+42.91	100.00 RT
3833	1049+83.17	100.00 LT	3834	1049+83.17	100.00 RT
4208+	Radius Pt.	---	4208+	Radius Pt.	---
4260	1068+23.73	100.00 LT	4259	1068+23.73	100.00 RT
4263	1071+50.29	100.00 LT	4261	1071+72.61	100.00 RT
4265	1098+37.56	100.00 LT	4262	1071+78.19	150.00 RT
4266	1108+69.05	100.00 LT	4264	1098+62.23	150.00 RT
4212-	Radius Pt.	---	4267	1108+69.05	150.00 RT
4268	1119+50.31	100.00 LT	4212-	Radius Pt.	---
4271	1124+92.52	100.00 LT	4269	1119+50.31	150.00 RT
4879	1143+27.12BK	---	4270	1124+94.94	150.00 RT
	1164+01.30AHD	---	4878	1143+27.12BK	---
4272	1172+28.11	100.00 LT		1164+01.30AHD	---
4274	1198+53.63	100.00 LT	4273	1172+31.50	150.00 RT
4276	1252+79.69	100.00 LT	4275	1198+56.12	150.00 RT
4278	1279+21.26	100.00 LT	4277	1252+81.78	150.00 RT
4280	1305+63.33	100.00 LT	4279	1279+23.23	150.00 RT
4283	1311+05.37	100.00 LT	4281	1305+65.12	150.00 RT
4216+	Radius Pt.	---	4282	1311+05.37	150.00 RT
4284	1323+13.37BK	100.00 LT	4216+	Radius Pt.	---
	1323+17.62AHD	---	4285	1323+13.37BK	150.00 RT
4286	1332+07.00	100.00 LT		1323+17.62AHD	---
4288	1358+66.39	100.00 LT	4287	1332+35.20	150.00 RT
4290	1385+24.32	100.00 LT	4289	1358+94.47	150.00 RT
4292	1411+83.14	100.00 LT	4291	1385+52.53	150.00 RT
4803	1438+41.78	100.00 LT	4293	1412+11.28	150.00 RT
4294	1465+01.14	100.00 LT	4804	1438+70.00	150.00 RT
4296	1491+74.33	100.00 LT	4295	1465+01.65	150.00 RT
4298	1518+35.54	100.00 LT	4297	1492+03.38	150.00 RT
4829	1537+43.65	100.00 LT	4299	1518+64.30	150.00 RT
4308	1539+43.64	100.00 LT	4300	1522+25.89	150.00 RT
4314	1544+55.39	100.00 LT	4316	1545+22.76	150.00 RT
4315	1544+95.15	100.00 LT	4318	1571+81.27	150.00 RT
4317	1571+53.54	100.00 LT	4320	1598+38.89	150.00 RT
4319	1598+11.33	100.00 LT	4322	1624+96.66	150.00 RT
4321	1624+69.10	100.00 LT	4324	1651+54.53	150.00 RT
4323	1651+26.84	100.00 LT	4417	1672+82.61BK	150.00 RT
4416	1672+82.61BK	100.00 LT		1672+82.60AHD	---
	1672+82.60AHD	---	4419	1678+13.12	148.37 RT
4225+	Radius Pt.	---	4420	1695+32.80	120.65 RT
4418	1677+84.16	100.00 LT	4228+	Radius Pt.	---
4225+	Radius Pt.	---	4816	1704+79.37	103.04 RT
4817	1704+49.35	100.00 LT	4228+	Radius Pt.	---
4225+	Radius Pt.	---	4421	1710+67.95	100.00 RT
4422	1710+67.95	100.00 LT	4228+	Radius Pt.	---
4228+	Radius Pt.	---	4425	1730+93.93	100.00 RT
4424	1730+93.93	100.00 LT	4426	1731+70.11	100.00 RT
4423	1731+26.62	100.00 LT	4427	1737+69.73	100.00 RT
4428	1746+93.77	100.00 LT	4881	1756+60.54BK	---
4880	1756+60.54BK	---		1756+61.37AHD	---
	1756+61.37AHD	---	4820	1758+73.12	100.00 RT
4821	1758+29.64	100.00 LT	4430	1785+77.45	100.00 RT
4429	1785+33.92	100.00 LT	4432	1812+96.59	100.00 RT
4431	1812+52.04	100.00 LT	4434	1840+03.74	100.00 RT
4433	1839+59.29	100.00 LT	4436	1867+13.48	100.00 RT
4435	1866+68.99	100.00 LT	4437	1875+33.18	100.00 RT
4438	1884+55.45	100.00 LT	4440	1894+16.77	100.00 RT
4439	1893+73.77	100.00 LT	4442	1921+17.13	100.00 RT
4441	1920+74.08	100.00 LT	4444	1947+67.22	100.00 RT
4443	1947+67.22	100.00 LT	4364+	Radius Pt.	---
4364+	Radius Pt.	---	4446	1948+16.81	100.00 RT
4445	1947+73.53	100.00 LT	4364+	Radius Pt.	---

Continued on RS-36

1 A) THE DASHED LINE IS BASED UPON R/W MONUMENTATION, FENCING AND USE OF HIGHWAY.
B) THE HATCHED AREA IS BASED UPON THE 1930 ALIGNMENT AND WAS TAKEN IN THE STATE HIGHWAY SYSTEM BUT HAS NOT BEEN ABANDONED DESPITE THE APPARENT NON-USE OF AREAS FOR HIGHWAY PURPOSES.
C) THE LOCATION OF THE EXISTING R/W LINE DELIMITED BY THE HATCHED AREA IS APPROXIMATE ONLY AND THAT NO MAPS COULD BE LOCATED THAT DEFINED THE GEOMETRICAL LOCATION OF THE EXISTING R/W LINE.

Click here for SR 64 Index

CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Cindy C./Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@heaz.us Job # 08121

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON
FEDERAL AID NO.: UNASSIGNED
PROJECT NO.: 064 CN 185 H7142 01R
ROUTE NO.: S.R. 64
LOCATION: Jct. I-40 - Tusayan

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:34:35 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-2-11)
http://www.cfedo.org/roster.asp

SHEET RS-35

064rw185_rs35.dgn

RESULTS OF SURVEY

Continued from RS-35

EXIST R/W LINE S.R. 64

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
4364+	Radius Pt.	---	4448	1963+97.26	100.00 RT
4447	1963+97.26	100.00 LT	4450	1975+45.66	100.00 RT
4449	1974+92.43	100.00 LT	4451	1994+36.16	100.00 RT
4452	2002+23.62	100.00 LT	4454	2002+77.10	100.00 RT
4453	2002+23.92	100.00 LT	4456	2030+14.73	100.00 RT
4455	2029+61.29	100.00 LT	4458	2057+48.49	100.00 RT
4457	2056+95.20	100.00 LT	4459	2060+02.55	100.00 RT
4460	2060+02.55	100.00 LT	4374-	Radius Pt.	---
4374-	Radius Pt.	---	4462	2084+06.54	100.00 RT
4461	2084+06.54	100.00 LT	4463	2084+19.52	100.00 RT
4464	2084+08.89	100.00 LT	4466	2110+55.60	100.00 RT
4465	2110+45.35	100.00 LT	4883	2133+53.73BK	---
4882	2133+53.73BK	---		2135+00.26AHD	---
	2135+00.26AHD	---	4468	2138+46.20	100.00 RT
4467	2138+35.96	100.00 LT	4469	2143+00.54	100.00 RT
4470	2143+00.54	100.00 LT	4381+	Radius Pt.	---
4381+	Radius Pt.	---	4472	2153+17.58	100.00 RT
4471	2153+17.58	100.00 LT	4473	2157+96.79	100.00 RT
4474	2165+00.83	100.00 LT	4475	2165+47.25	100.00 RT
4912	2166+00.77	100.00 LT	4523	2180+84.70	100.00 RT
4526	2180+84.70	100.00 LT	4525	Spiral PI	---
4528	Spiral PI	---	4524	2182+84.70	100.00 RT
4527	2182+84.70	100.00 LT	4388-	Radius Pt.	---
4388-	Radius Pt.	---	4479	2191+99.52	100.00 RT
4478	2192+25.88	100.00 LT	4388-	Radius Pt.	---
4388-	Radius Pt.	---	4533	2199+09.09	100.00 RT
4530	2199+09.09	100.0 LT	4534	Spiral PI	---
4531	Spiral PI	---	4532	2201+09.09	100.00 RT
4529	2201+09.09	100.00 LT	4482	2209+39.17	100.00 RT
4480	2204+78.41	100.00 LT	4396+	Radius Pt.	---
4481	2209+39.17	100.00 LT	4483	2209+39.59	100.00 RT
4396+	Radius Pt.	---	4396+	Radius Pt.	---
4484	2220+72.70	100.00 LT	4485	2220+01.06	100.00 RT
4396+	Radius Pt.	---	4396+	Radius Pt.	---
4486	2240+54.74BK	100.00 LT	4487	2240+54.74BK	100.00 RT
	2240+83.80AHD	---		2240+83.8AHD	---
4488	2248+29.00	100.00 LT	4489	2247+82.89	100.00 RT
4535	2260+63.91	100.00 LT	4538	2260+63.91	100.00 RT
4537	Spiral PI	---	4540	Spiral PI	---
4536	2262+23.91	100.00 LT	4539	2262+23.91	100.00 RT
4203+	Radius Pt.	---	4203+	Radius Pt.	---
4545	2272+64.95	100.00 LT	4542	2272+64.95	100.00 RT
4546	Spiral PI	---	4543	Spiral PI	---
4544	2274+24.95BK	100.00 LT	4541	2274+24.95BK	100.00 RT
	2274+27.50AHD	---		2274+27.50AHD	---
4490	2274+81.19	100.00 LT	4491	2275+02.89	100.00 RT
4492	2301+36.07	100.00 LT	4493	2301+57.84	100.00 RT
4495	2301+77.10	100.00 LT	4494	2301+77.10	100.00 RT
4402-	Radius Pt.	---	4402-	Radius Pt.	---
4496	2319+16.48	100.00 LT	4497	2319+16.48	100.00 RT
4498	2327+94.51	100.00 LT	4499	2327+86.01	100.00 RT
4500	2354+32.56	100.00 LT	4501	2354+24.09	100.00 RT
4884	2364+99.63BK	---	4885	2364+99.63BK	---
	2365+01.19AHD	---		2365+01.19AHD	---
4502	2380+73.54	100.00 LT	4503	2380+64.92	100.00 RT
4504	2407+14.49	100.00 LT	4505	2407+06.17	100.00 RT
4506	2437+22.72	100.00 LT	4507	2437+13.02	100.00 RT
4508	2472+05.55	100.00 LT	4509	2472+05.55	100.00 RT
4411-	Radius Pt.	---	4411-	Radius Pt.	---
4764	2488+69.83BK	100.00 LT	4765	2488+69.83BK	100.00 RT
	2498+25.50AHD	---		2498+25.50AHD	---
4763	2501+51.38	100.00 LT	4762	2506+70.57	100.00 RT
4636	2554+49.73	100.00 LT	4910	2554+49.73	100.00 RT
4638	Spiral PI.	---	4911	2554+49.73	67.89 RT
4637	2556+49.73	100.00 LT	4760	2558+00.43	50.00 RT
4582+	Radius Pt.	---	4582+	Radius Pt.	---
4640	2572+02.90	100.00 LT	4757	2571+25.12	50.00 RT
4641	Spiral PI.	---			

+= RIGHT CURVE
-= LEFT CURVE

Click here for SR 64 Index

EXIST R/W LINE S.R. 64

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
4639	2574+02.90BK	100.00 LT	4759	2574+02.90BK	100.00 RT
	2574+29.54AHD	---	4758	2574+29.54AHD	---
4755	2579+86.18	100.00 LT	4756	2580+35.00	100.00 RT
4753	2606+70.33	100.00 LT	4754	2607+20.42	100.00 RT
4751	2623+89.77	100.00 LT	4752	2623+89.77	100.00 RT
4616-	Radius Pt.	---	4616-	Radius Pt.	---
4750	2633+69.88	100.00 LT	4749	2633+86.74	100.00 RT
4616-	Radius Pt.	---	4616-	Radius Pt.	---
4747	2642+36.88	100.00 LT	4748	2642+36.88	100.00 RT
4746	2660+10.11	100.00 LT	4745	2659+99.68	100.00 RT
4654	2682+48.74	100.00 LT	4642	2682+48.74	100.00 RT
4656	Spiral PI	---	4644	Spiral PI	---
4655	2684+48.74	100.00 LT	4643	2684+48.74	100.00 RT
4589-	Radius Pt.	---	4589-	Radius Pt.	---
4649	2697+20.67	100.00 LT	4646	2697+20.67	100.00 RT
4650	Sprial PI	---	4647	Spiral PI	---
4648	2699+20.67	100.00 LT	4645	2699+20.67	100.00 RT
4744	2717+04.25	100.00 LT	4743	2715+79.55	100.00 RT
4741	2726+28.74	100.00 LT	4742	2726+28.74	100.00 RT
4619+	Radius Pt.	---	4619+	Radius Pt.	---
4740	2730+55.50	100.00 LT	4739	2735+11.73	100.00 RT
4619+	Radius Pt.	---	4619+	Radius Pt.	---
4738	2735+70.06	100.00 LT	4737	2735+70.06	100.00 RT
4735	2775+82.71	100.00 LT	4736	2775+01.84	100.00 RT
4830	2776+23.14	200.00 LT	4831	2774+61.41	200.00 RT
4832	2784+03.78	200.00 LT	4833	2784+03.78	200.00 RT
4622-	Radius Pt.	---	4622-	Radius Pt.	---
4834	2792+23.16BK	200.00 LT	4835	2792+23.16BK	200.00 RT
	2792+29.57AHD	---		2792+29.57AHD	---
4836	2794+07.95	200.00 LT	4837	2800+32.82	200.00 RT
4839	2800+32.82	200.00 LT	4625+	Radius Pt.	---
4625+	Radius Pt.	---	4838	2800+66.65	200.00 RT
4840	2808+07.86	200.00 LT	4625+	Radius Pt.	---
4625+	Radius Pt.	---	4841	2806+00.64	200.00 RT
4842	2812+44.75BK	200.00 LT	4625+	Radius Pt.	---
	2812+48.62AHD	---	4843	2812+44.75BK	200.00 RT
4844	2836+75.58	200.00 LT		2812+48.62AHD	---
4846	2862+30.24	200.00 LT	4845	2835+12.69	200.00 RT
4847	2865+53.25	200.00 LT	4848	2864+06.71	200.00 RT
4849	2867+45.14	200.00 LT	4850	2867+45.14	200.00 RT
4628+	Radius Pt.	---	4628+	Radius Pt.	---
4852	2891+72.62	200.00 LT	4851	2876+98.56	200.00 RT
4628+	Radius Pt.	---	4628+	Radius Pt.	---
4855	2906+94.21	200.00 LT	4853	2892+25.01	200.00 RT
4628+	Radius Pt.	---	4628+	Radius Pt.	---
4856	2907+08.77BK	200.00 LT	4854	2894+05.98	200.00 RT
	2918+08.53AHD	---	4628+	Radius Pt.	---
4858	2940+16.97	200.00 LT	4857	2907+08.77BK	200.00 RT
4631-	Radius Pt.	---		2918+08.53AHD	---
4860	2949+40.97	200.00 LT	4859	2940+16.97	200.00 RT
4862	2957+29.37	200.00 LT	4631-	Radius Pt.	---
4864	2984+40.56	200.00 LT	4861	2949+40.97	200.00 RT
4869	3005+15.64	200.00 LT	4863	2958+12.68	200.00 RT
4871	Sprial Pi.	---	4865	2985+23.74	200.00 RT
4870	3006+90.64	200.00 LT	4866	3005+15.64	200.00 RT
4596-	Radius Pt.	---	4868	Spiral Pi.	---
4872	3011+77.52	200.00 LT	4867	3006+90.64	200.00 RT
4596-	Radius Pt.	---	4596-	Radius Pt.	---
4873	3013+73.91.	200.00 LT	4876	3007+48.52	200.00 RT
4689	3013+73.91.	100.00 LT	4596-	Radius Pt.	---
4691	3015+48.91.	100.00 LT	4874	3011+88.68	200.00 RT
4692	3016+01.15	100.00 LT	4596-	Radius Pt.	---
4683	3018+01.15.	100.00 LT	4875	3013+73.91	200.00 RT
			4877	3013+73.91	96.80 RT

EXIST R/W LINE S.R. 64

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
4603	Radius Pt.	---	4686	3013+73.91	100.00 RT
4682	3022+89.12	100.00 LT	4690	3015+48.91	100.00 RT
4669	3024+92.24	100.00 LT	4685	3016+01.15	100.00 RT
			4684	3018+01.15	100.00 RT
			4603	Radius Pt.	---
			4681	3022+89.12	100.00 RT
			4668	3024+81.05	100.00 RT

EXIST R/W LINE U.S. 180

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
4352	2490+85.00	50.00 LT	4351	2490+85.00	50.00 RT
4810	2499+65.11	50.00 LT	4812	2498+87.92	50.00 RT
4332	2527+50.12	50.00 LT	4331	2528+79.97	50.00 RT
4330	2533+00.57	50.00 LT	4329	2532+24.07	50.00 RT
4327	2566+28.36	50.00 LT	4328	2565+51.84	50.00 RT
4325	2570+72.74	50.00 LT	4326	2572+02.52	50.00 RT
4813	2599+54.44	50.00 LT	4815	2598+77.95	50.00 RT
4313	2601+88.14	50.00 LT	4303	2607+61.55	50.00 RT
4312	2602+88.13	100.00 LT		2607+09.93*	126.12 RT*
4311	2604+68.13	100.00 LT	4829	2610+32.83	230.94 LT
4222-	Radius Pt.	---		2610+65.80*	100.00 RT*
4309	2607+39.67	215.27 LT			
4308	2608+88.96	369.88 LT			

* US 180 EXISTING R/W ℄ (1993)

EXIST R/W LINE I-40

LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
4663	927+49.21	200.00 LT	4680	927+49.21	200.00 RT
4664	932+23.33	200.00 LT	4679	933+24.90	200.00 RT
4665	940+05.23	291.66 LT	4678	945+99.58	339.61 RT
4666	941+29.22	315.08 LT	4677	945+87.78	541.99 RT
4667	945+02.24	350.00 LT	4610+	Radius Pt.	---
4668	946+00.00	350.00 LT	4676	945+77.30	606.12 RT
4669	948+00.00	338.81 LT	4675	947+73.09	647.02 RT
4670	954+92.24	256.47 LT	4610-	947+85.42	567.89 RT
			4017	Radius Pt.	---
			4673	947+99.60	350.00 RT
			4672	949+13.77	350.00 RT
			4671	953+21.51	318.40 RT

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CHANGE ORDER REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-694
SURVEY	Aug 2008
DRAWN/DATE	Cindy C./Nov 08
ADOT REVIEW	Ken Richmond

HUBBARD ENGINEERING 480-892-3313 Gilbert, AZ
jcrume@hbeaz.us Job = 08121

ROUTE NO.: S.R. 64

LOCATION: Jct. I-40 - Tusayan

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

HIGHWAY NAME: WILLIAMS-GRAND CANYON-CAMERON

FEDERAL AID NO.: UNASSIGNED

PROJECT NO.: 064 CN 185 H7142 01R

Professional Land Surveyor AZ No. 19817
Digitally signed by Jim Crume
Date: 2010.02.12 13:34:23 -07'00'
(Expires 6-30-11)
ELECTRONIC SEAL
http://www.btr.state.az.us/
Certified Federal Surveyor No. 1293
(Expires 10-3-11)
http://www.cfsb.org/search.asp

SHEET RS-36