

**Acknowledgment and  
Notice of Acknowledgment  
of Acceptance of R.S. 2477  
Right-of-Way Grant**

Ent 103215 Bk 895 Pg 27-39  
Date: 30-MAY-2008 8:50AM  
Fee: None  
Filed By: LCJ  
LOUISE JONES, Recorder  
SAN JUAN COUNTY CORPORATION  
For: GOVERNOR STATE OF UTAH

**THE STATE OF UTAH**

**TO ALL WHOM THESE PRESENTS SHALL COME, Greeting:**

**Know ye,** This is an Acknowledgment and Notice of Acknowledgment made under Utah Code Sections 72-5-309 through 310 inclusive, that the grant of the United States of America of “the right of way for the construction of highways over public lands, not reserved for public uses” under United States Revised Statutes 2477 (43 U.S.C. Section 932 (repealed October 21, 1976, with proviso recognizing the validity of rights-of-way already established)) was accepted for and on behalf of the State of Utah and its political subdivision San Juan County as it pertains to the highway located in San Juan County known as BLACK MESA BUTTE ROAD; County Road Number: B280; State Geographic Information Database (SGID) Road Identification Number: RD190312. Total road length is 9.18 miles more or less.

The reason for this Acknowledgment and Notice of Acknowledgment includes, but is not limited to, the fact that the road was constructed, mechanically, or by continuous use as a public highway for a period of at least ten years, over public lands not reserved for public uses, prior to the earlier of (a) the October 21, 1976 repeal of R.S. 2477 or (b) the date the servient estate was reserved for public uses.

This Acknowledgment and Notice of Acknowledgment applies only to the segments of the road that traverse land owned by the Bureau of Land Management, United States Department of the Interior, and does not apply to segments of the road that traverse land owned by any other person or entity. The State of Utah and its political subdivisions reserve the right to make further acknowledgments and notices of acknowledgment with regard to road segments that traverse land owned by other entities, including the United States of America, through one or more of its agencies.

A printed copy of a map showing the location of the road in said county is appended hereto as “Attachment 1,” a printed copy of representative photos of the road is appended hereto as “Attachment 2,” a printed copy of a description of the beginning and ending points of the entire road together with a list of Townships, Ranges and Sections that may be traversed by the road in said county is appended hereto as “Attachment 3,” and a printed copy of the Road Centerline Description Cover Page(s) is appended hereto as “Attachment 4.” The Appendices listed in “Attachment 4” that contain the actual road centerline descriptions are incorporated herein by reference. Affidavits provided by individuals familiar with the road are appended hereto as “Attachment 5.”

A printed copy of this Acknowledgment and Notice of Acknowledgment, together with its Attachments and Appendices, may be viewed and/or obtained at the office of the Utah State Archives.

An electronic copy of this Acknowledgment and Notice of Acknowledgment, together with its Attachments and Appendices, may be viewed and/or downloaded as read-only PDF (Portable Document Format) files via the

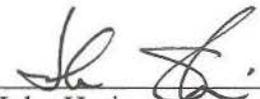
Internet at <http://recorded2477roads.utah.gov>.

The owner of the servient estate in the land underlying the road-segments subject to this Acknowledgment and Notice is believed to be the United States of America through one or more of its agencies. Any of such agencies or any other person with a servient ownership claim or a competing dominant estate right-of-way ownership claim, may file a petition in the State District Court for Salt Lake County for a decision regarding the correctness of this Acknowledgment. A claimant shall file a petition within sixty (60) days after receipt of this Notice.

**In Witness Whereof**, I, John Harja, the official designee of the Governor of the State of Utah, in conformity to the laws of the State (Utah Code Sections 72-5-308 through 310 inclusive), have caused this Acknowledgment and Notice of Acknowledgment to be made.

Signed by my hand in Salt Lake City, Utah, the 22<sup>nd</sup> day of May, 2008.

By the Governor's Designee

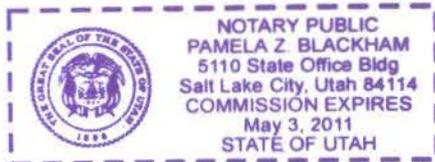
  
\_\_\_\_\_  
John Harja

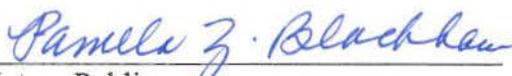
**CERTIFICATION**

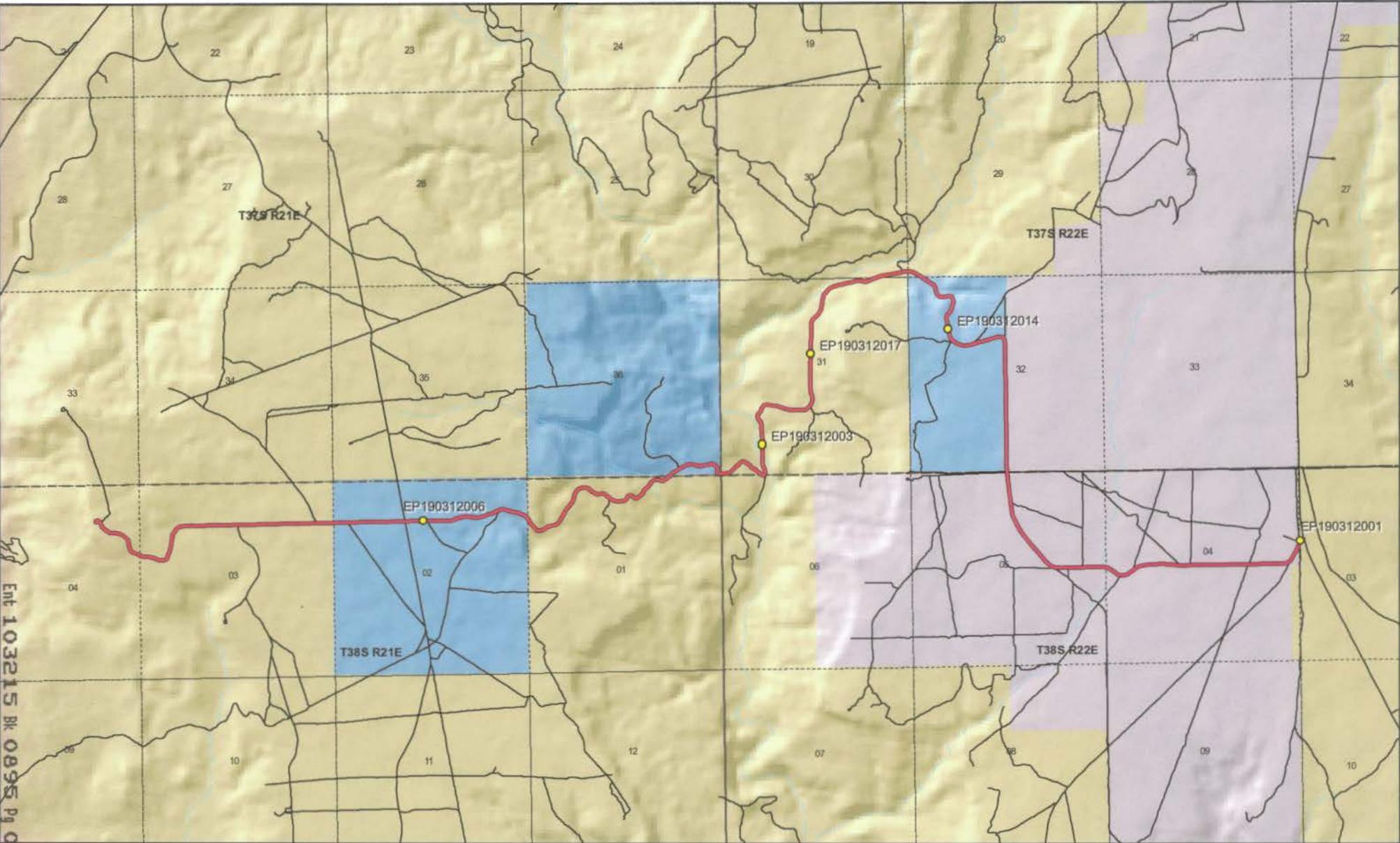
State of Utah                    )  
  : ss  
County of Salt Lake         )

I hereby certify that the signer of the foregoing document, John Harja, is personally known by me, has made a voluntary signature and taken an oath stating that he is the official designee of the Governor of the State of Utah and is authorized to sign this document on the Governor's behalf pursuant to Utah Code Section 72-5-309. He further vouched that, based upon information and belief, the facts alleged therein are true.

Dated this 22<sup>nd</sup> day of May, 2008.



  
\_\_\_\_\_  
Notary Public



Ent 103215 BK 0895 Pg 0029

**BLACK MESA BUTTE ROAD - San Juan County**  
**SGID RD\_ID RD190312**

**Land Ownership Categories**

- |                            |                              |
|----------------------------|------------------------------|
| BLM                        | Wilderness                   |
| Private                    | UDWR Wildlife Reserve        |
| SITLA, State Trust Land    | DOD, Military                |
| USFS, National Forest      | State Sovereign Land         |
| State Parks and Recreation | National Recreation Area     |
| Tribal, Indian Reservation | USFWS, Natl. Wildlife Refuge |
| NPS, National Park         |                              |

**Transportation Network**

- |   |
|---|
| BLACK MESA BUTTE ROAD                                   |
| Other Roads   |
| Title V: Issued Or Under Consideration By BLM Or County |
| Photo Event Point                                       |
| Section = 1 Mile  |



1:43,546

1 inch equals 0.7 miles



Map prepared by the State of Utah  
 Automated Geographic Reference Center  
 Room 5130 State Office Building  
 Salt Lake City, Utah 84114  
 Apr 07, 2008





EP190312001



EP190312003



EP190312006



EP190312014



EP190312017



EP000000000

**BLACK MESA BUTTE ROAD - San Juan County**  
**SGID RD\_ID RD190312**

Map prepared by the State of Utah  
Automated Geographic Reference Center  
Room 5130 State Office Building  
Salt Lake City, Utah 84114  
April 11, 2008



## Attachment 3

### Beginning & Ending Points and Township, Range, and Section References For:

**Popular Name: BLACK MESA BUTTE ROAD**

**County: San Juan**

**County Road Number: B280**

**State Geographic Information Database (SGID) Road Identification Number: RD190312.**

**Total Road Length: 9.18 miles more or less.**

**Beginning at a point** on the road centerline located at 37 degrees 30 minutes 051.2 seconds North Latitude and -109 degrees 29 minutes 37.53 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,222,268.6 feet and Y = 10,157,351.0 feet based on the US Survey Foot conversion.

**Ending at a point** on the road centerline located at 37 degrees 31 minutes 00.71 seconds North Latitude and -109 degrees 36 minutes 024.2 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,189,492.4 feet and Y = 10,157,629.5 feet based on the US Survey Foot conversion.

This road may traverse:

Township 37 South Range 21 East, Section(s) 36, Salt Lake Base & Meridian

Township 37 South Range 22 East, Section(s) 29,30,31,32, Salt Lake Base & Meridian

Township 38 South Range 21 East, Section(s) 1,2,3,4, Salt Lake Base & Meridian

Township 38 South Range 22 East, Section(s) 3,4,5,6, Salt Lake Base & Meridian

See Attachment 1 above for a cartographic depiction of the course of this road.

**Attachment 4**  
**Road Centerline Description Cover Page(s)**

**Popular Name: BLACK MESA BUTTE ROAD**

**County: San Juan**

**County Road Number: B280**

**State Geographic Information Database (SGID) Road Identification Number: RD190312.**

**Total Road Length: 9.18 miles more or less.**

**Centerline Descriptions Of Road-Segments That Cross Over Federally Owned Land, Derived From Global Positioning System Data And Cross-checked against USGS Digital Orthophoto Quadrangles Compiled By The Utah Automated Geographic Reference Center And Entered Into The State Geographic Information Database (SGID).**

<b>Road-Segments Listed by SGID Road Identification Number (RD ID)</b>	<b>Road-Segment Numbers</b>	<b>Believed Ownership Of Servient Estate</b>	<b>Approximate Segment Length</b>	<b>See Attached Appendix</b>
RD190312	001	BLM	0.05 Miles	A
RD190312	002	PVT	1.92 Miles	(not shown)
RD190312	003	ST	1.42 Miles	(not shown)
RD190312	004	BLM	2.02 Miles	B
RD190312	005	ST	0.3 Miles	(not shown)
RD190312	006	BLM	0.98 Miles	C
RD190312	007	ST	1.03 Miles	(not shown)
RD190312	008	BLM	1.43 Miles	D
RD190312	009	BLM	0.04 Miles	E
		<b>Total Road Length</b>	<b>9.18</b>	_____

\* Indicates that a Title V permit will be requested, is in process, or has been issued.

† Indicates that road-segments crossing Forest Service land are under consideration by the state and county as of the date of this Acknowledgment and Notice of Acknowledgment.

**Attachment 5**

**AFFIDAVIT OF BRUCE L. SHUMWAY**

**BLACK MESA BUTTE ROAD**

**SAN JUAN COUNTY, UTAH**

**COUNTY ROAD NUMBER B280**

State of Utah                    )  
  : ss  
County of San Juan            )

Bruce L. Shumway, being first duly sworn, deposes and states as follows:

1. I am an adult competent to testify about the matters set forth below based upon my personal knowledge. I currently reside in San Juan County, Utah. I have lived in San Juan County since 1935.

2. I have traveled and am familiar with a road in San Juan County known as Black Mesa Butte Road. I am also familiar with the land the road traverses. When I first used and observed the road in the mid 1940s, it followed the same route as in 2007, when I last observed it. Attached is a San Juan County map showing Black Mesa Butte Road. To the best of my knowledge and based upon my use of and familiarity with this road and the land it traverses, the location and route of the road are correctly illustrated on the attached map.

3. I am informed that the County identifies this road according to the road number described above.

4. I have observed that the road has been open to the public for all to use, to come and go as they pleased, since at least as early as the mid 1940s continuing through 1976 to 2007. Throughout this time period I have observed travel on the road by various means, including: automobile, truck, recreational vehicle, and others. Throughout this time period, the road was used daily.

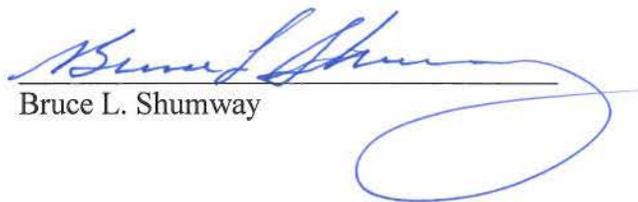
5. Throughout the time period from the mid 1940s to 2007, I have used the road myself for the following uses: hunting, recreation, deer-watching, and four-wheeling.

6. Throughout the time period described in the previous paragraph, I observed vehicles using the road at various times for the uses described in the previous paragraph, plus the following uses: oil and gas exploration, livestock operations, mining, and wood gathering.

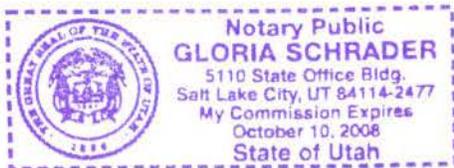
7. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least as early as the 1940s and continuing through 1976 to the present, for the uses described in the previous paragraphs.

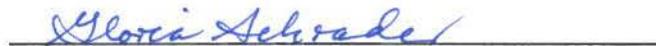
8. I observed the graded surface prior to 1976.

Dated this 19<sup>th</sup> day of September, 2007.

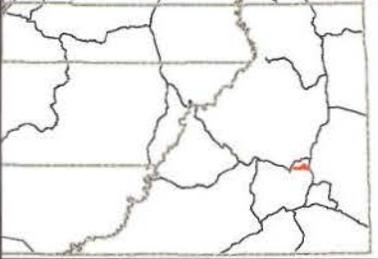
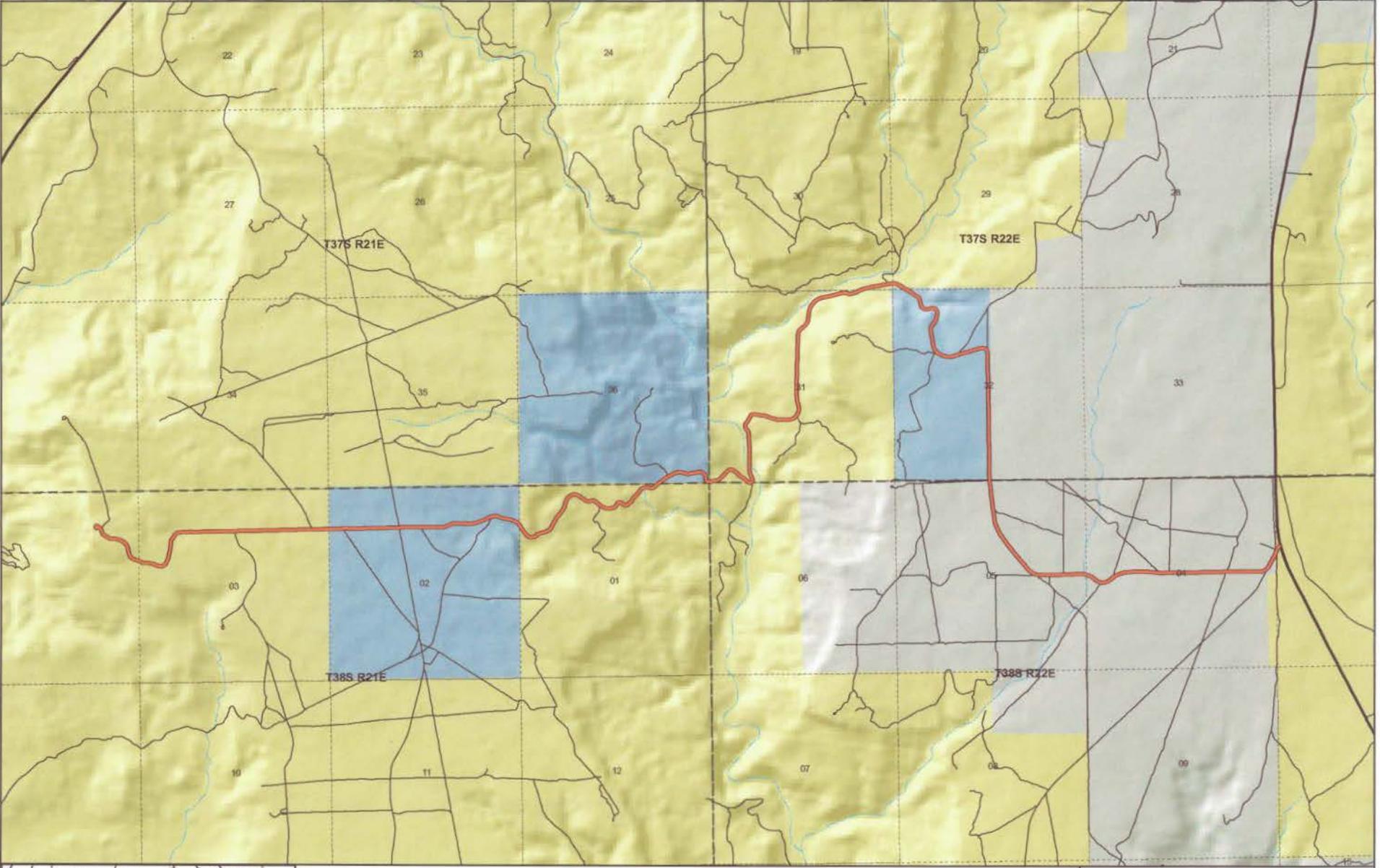
  
Bruce L. Shumway

SUBSCRIBED AND SWORN TO before me this 19<sup>th</sup> day of September, 2007.



  
Notary Public

Ent 103215 Bk 0895 Pg 0036



**BLACK MESA BUTTE**  
County Unique - B280

**Land Ownership Categories**

- BLM
- National Recreation Area
- SITLA, State Trust Land
- USFS, National Forest
- National Parks & Monuments (NPS)
- Private
- Wilderness
- State Park
- Tribal Lands

**Misc**

- City / Town
- Municipalities
- Section = 1 Mile

**Transportation Network**

- BLACK MESA BUTTE
- State / U.S. Highway
- Local Roads



1:43,546  
1 inch equals 0.7 miles  
Jul 26, 2007

**AFFIDAVIT OF ALBERT E. STEELE**

**BLACK MESA BUTTE ROAD**

**SAN JUAN COUNTY, UTAH**

**COUNTY ROAD NUMBER B280**

State of Utah                    )  
  : ss  
County of San Juan            )

Albert E. Steele, being first duly sworn, deposes and states as follows:

1. I am an adult competent to testify about the matters set forth below based upon my personal knowledge. I currently reside in San Juan County, Utah. I have lived in San Juan County for 60 years.

2. I have traveled and am familiar with a road in San Juan County known as Black Mesa Butte Road. I am also familiar with the land the road traverses. When I first used and observed the road in 1960, it followed the same route as in 2002, when I last observed it. Attached is a San Juan County map showing Black Mesa Butte Road. To the best of my knowledge and based upon my use of and familiarity with this road and the land it traverses, the location and route of the road are correctly illustrated on the attached map.

3. I am informed that the County identifies this road according to the road number described above.

4. I have observed that the road has been open to the public for all to use, to come and go as they pleased, since at least as early as 1960 and continuing through 1976 to 2002. Throughout this time period I have observed travel on the road by various means, including: pickup, automobile, other truck, camper, jeep and oil equipment. Throughout this time period,

the road was used daily for more than 10 continuous years prior to 1976 and was used daily in 2002.

5. Throughout the time period from 1960 to 2002, I have used the road myself for the following uses: predator control and recreation.

6. Throughout the time period described in the previous paragraph, I observed vehicles using the road at various times for the uses described in the previous paragraph, plus the following uses: livestock operations, tourism, hunting, oil and gas exploration, mineral prospecting, and traveling in and through the area.

7. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least as early as the early 1930s and continuing through 1976 to the present, for the uses described in the previous paragraphs.

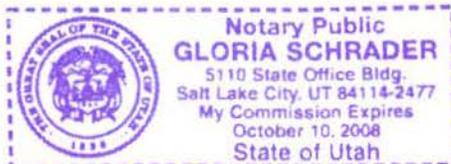
8. I observed graders performing maintenance activities prior to 1976.

Dated this 18<sup>th</sup> day of September, 2007.

*Albert E. Steele*

Albert E. Steele

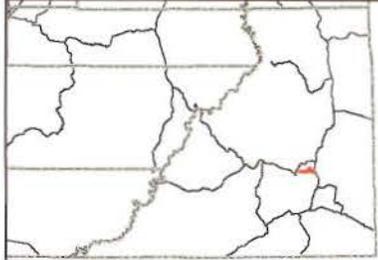
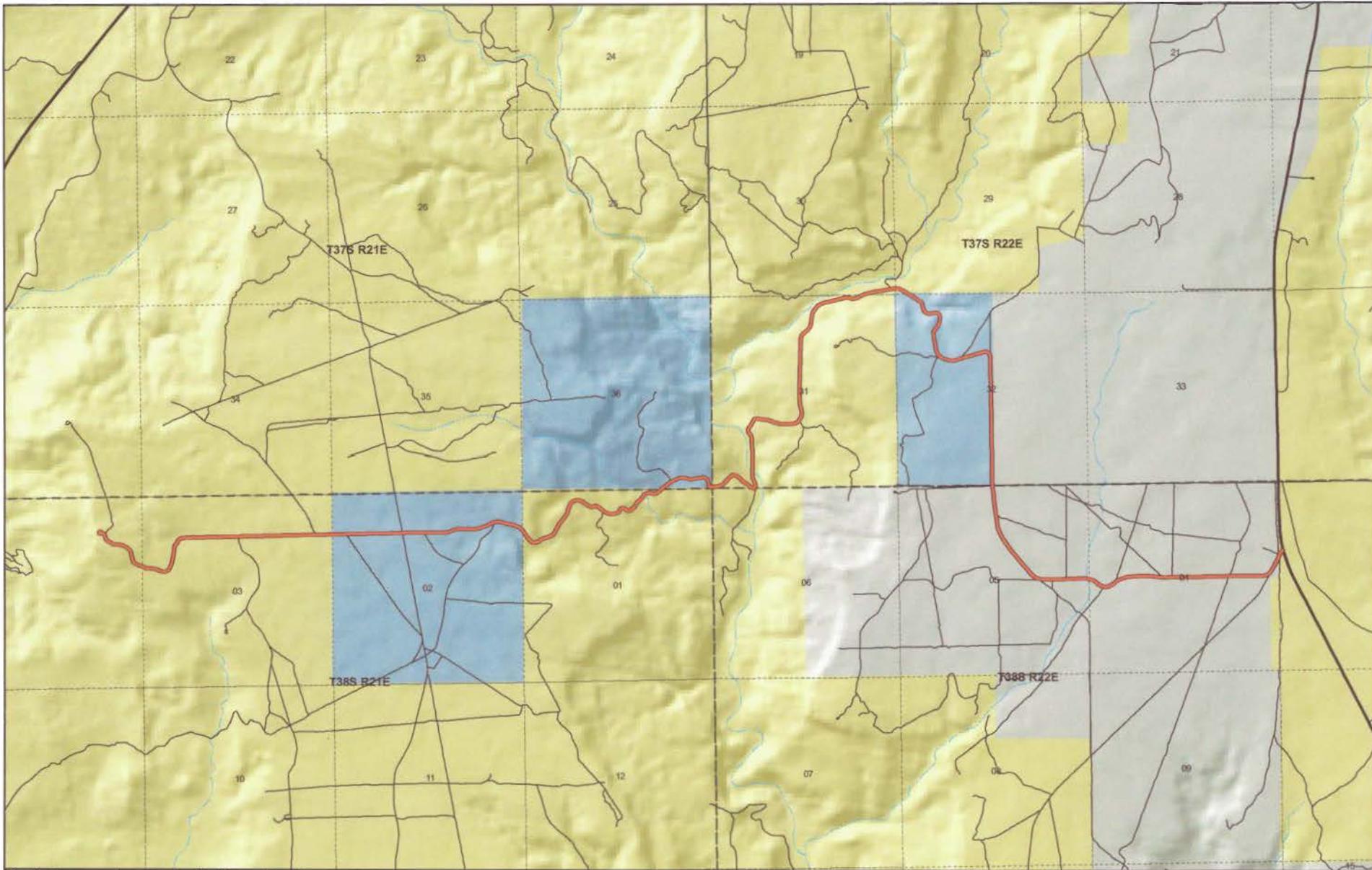
SUBSCRIBED AND SWORN TO before me this 18<sup>th</sup> day of September, 2007.



*Gloria Schrader*

Notary Public

Ent 103215 Bk 0895 Pg 0039



**BLACK MESA BUTTE**  
County Unique - B280

**Land Ownership Categories**

- BLM
- National Recreation Area
- SITLA, State Trust Land
- USFS, National Forest
- National Parks & Monuments (NPS)

- Private
- Wilderness
- State Park
- Tribal Lands

**Misc**

- City / Town
- Municipalities
- Section = 1 Mile

**Transportation Network**

- BLACK MESA BUTTE
- State / U.S. Highway
- Local Roads



1:43,546  
1 inch equals 0.7 miles  
Jul 26, 2007

## Appendix A to Attachment 4

**Popular Name: BLACK MESA BUTTE ROAD**

**County: San Juan**

**County Road Number: B280**

**State Geographic Information Database (SGID) Road Identification Number: RD190312.**

**Road-Segment Number: 001**

**Road-Segment Length: 0.05 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 38 South Range 22 East, Section(s) 3,4, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA BUTTE ROAD)-- Segment 001 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 30 minutes 051.2 seconds North Latitude and -109 degrees 29 minutes 37.53 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,222,268.6 feet and Y = 10,157,351.0 feet; thence the following courses along the said road center line:

thence South 25 Degrees 43 Minutes 03 Seconds West 15.7 feet  
thence South 24 Degrees 01 Minutes 09 Seconds West 41.4 feet  
thence South 51 Degrees 46 Minutes 17 Seconds West 39.5 feet  
thence South 46 Degrees 32 Minutes 08 Seconds West 28.8 feet  
thence South 36 Degrees 11 Minutes 22 Seconds West 10.2 feet  
thence South 21 Degrees 53 Minutes 59 Seconds West 21.3 feet  
thence South 15 Degrees 47 Minutes 22 Seconds West 33.1 feet  
thence South 16 Degrees 42 Minutes 31 Seconds West 16.8 feet  
thence South 20 Degrees 19 Minutes 04 Seconds West 29.8 feet  
thence South 22 Degrees 15 Minutes 32 Seconds West 5.9 feet  
thence South 22 Degrees 19 Minutes 00 Seconds West 32.5 feet

thence South 25 Degrees 36 Minutes 25 Seconds West 3.9 feet more or less to **the ending point** at: 37 degrees 30 minutes 48.87 seconds North Latitude and -109 degrees 29 minutes 39.21 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,222,138.5 feet and Y = 10,157,111.8 feet.

## Appendix B to Attachment 4

**Popular Name: BLACK MESA BUTTE ROAD**

**County: San Juan**

**County Road Number: B280**

**State Geographic Information Database (SGID) Road Identification Number: RD190312.**

**Road-Segment Number: 004**

**Road-Segment Length: 2.02 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 37 South Range 21 East, Section(s) 36, Salt Lake Base & Meridian

Township 37 South Range 22 East, Section(s) 29,30,31, Salt Lake Base & Meridian

Township 38 South Range 22 East, Section(s) 6, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA BUTTE ROAD)-- Segment 004 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 32 minutes 02.93 seconds North Latitude and -109 degrees 31 minutes 45.86 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,211,778.9 feet and Y = 10,164,384.7 feet; thence the following courses along the said road center line:

thence North 57 Degrees 25 Minutes 27 Seconds West 61 feet  
thence North 59 Degrees 07 Minutes 03 Seconds West 98.2 feet  
thence North 70 Degrees 46 Minutes 50 Seconds West 92.3 feet  
thence North 87 Degrees 32 Minutes 35 Seconds West 87.6 feet  
thence North 87 Degrees 28 Minutes 28 Seconds West 7.3 feet  
thence South 83 Degrees 07 Minutes 15 Seconds West 100.4 feet  
thence South 78 Degrees 11 Minutes 42 Seconds West 100.5 feet  
thence South 76 Degrees 55 Minutes 52 Seconds West 107 feet  
thence South 79 Degrees 27 Minutes 59 Seconds West 101.7 feet

thence South 81 Degrees 13 Minutes 32 Seconds West 95.9 feet  
thence South 80 Degrees 52 Minutes 32 Seconds West 85.7 feet  
thence South 77 Degrees 09 Minutes 35 Seconds West 84.7 feet  
thence South 76 Degrees 37 Minutes 49 Seconds West 88.6 feet  
thence South 72 Degrees 43 Minutes 33 Seconds West 88.9 feet  
thence South 68 Degrees 49 Minutes 30 Seconds West 36.5 feet  
thence South 68 Degrees 51 Minutes 11 Seconds West 62.2 feet  
thence South 63 Degrees 12 Minutes 08 Seconds West 106.7 feet  
thence South 66 Degrees 42 Minutes 57 Seconds West 98.4 feet  
thence South 87 Degrees 20 Minutes 07 Seconds West 71.9 feet  
thence North 62 Degrees 44 Minutes 38 Seconds West 50.3 feet  
thence North 75 Degrees 12 Minutes 56 Seconds West 51.7 feet  
thence South 89 Degrees 09 Minutes 20 Seconds West 70.6 feet  
thence South 78 Degrees 47 Minutes 08 Seconds West 81.5 feet  
thence South 75 Degrees 30 Minutes 07 Seconds West 91 feet  
thence South 75 Degrees 22 Minutes 33 Seconds West 115.5 feet  
thence South 76 Degrees 42 Minutes 20 Seconds West 121.2 feet  
thence South 77 Degrees 49 Minutes 02 Seconds West 111.7 feet  
thence South 76 Degrees 56 Minutes 36 Seconds West 84.8 feet  
thence South 73 Degrees 08 Minutes 18 Seconds West 72.6 feet  
thence South 64 Degrees 55 Minutes 48 Seconds West 79.1 feet  
thence South 55 Degrees 32 Minutes 28 Seconds West 91.2 feet  
thence South 39 Degrees 22 Minutes 15 Seconds West 97.6 feet  
thence South 40 Degrees 47 Minutes 52 Seconds West 92.3 feet  
thence South 14 Degrees 07 Minutes 20 Seconds West 80.3 feet  
thence South 08 Degrees 47 Minutes 45 Seconds West 87.1 feet  
thence South 10 Degrees 32 Minutes 13 Seconds West 95.9 feet  
thence South 06 Degrees 29 Minutes 30 Seconds West 94.2 feet  
thence South 18 Degrees 55 Minutes 27 Seconds West 81.7 feet  
thence South 36 Degrees 20 Minutes 41 Seconds West 70.4 feet  
thence South 43 Degrees 37 Minutes 39 Seconds West 75.2 feet  
thence South 47 Degrees 35 Minutes 37 Seconds West 77.8 feet  
thence South 49 Degrees 15 Minutes 45 Seconds West 69.8 feet  
thence South 27 Degrees 31 Minutes 13 Seconds West 59.7 feet  
thence South 09 Degrees 50 Minutes 34 Seconds West 67 feet  
thence South 03 Degrees 12 Minutes 23 Seconds West 80.2 feet  
thence South 01 Degrees 51 Minutes 58 Seconds West 86.4 feet  
thence South 00 Degrees 45 Minutes 07 Seconds East 85.3 feet  
thence South 01 Degrees 46 Minutes 31 Seconds West 81.1 feet  
thence South 00 Degrees 33 Minutes 12 Seconds West 87 feet  
thence South 01 Degrees 34 Minutes 36 Seconds West 89.6 feet  
thence South 01 Degrees 22 Minutes 01 Seconds West 89.6 feet  
thence South 02 Degrees 02 Minutes 20 Seconds West 88 feet  
thence South 01 Degrees 25 Minutes 54 Seconds West 75.5 feet  
thence South 01 Degrees 02 Minutes 22 Seconds West 69.6 feet  
thence South 01 Degrees 29 Minutes 40 Seconds West 72.9 feet  
thence South 00 Degrees 39 Minutes 49 Seconds West 77.1 feet  
thence South 00 Degrees 54 Minutes 08 Seconds West 77.5 feet  
thence South 01 Degrees 04 Minutes 08 Seconds West 81.7 feet

thence South 01 Degrees 37 Minutes 35 Seconds West 87.3 feet  
 thence South 01 Degrees 10 Minutes 25 Seconds West 88.6 feet  
 thence South 00 Degrees 43 Minutes 21 Seconds West 90.9 feet  
 thence South 01 Degrees 31 Minutes 23 Seconds West 92.3 feet  
 thence South 00 Degrees 43 Minutes 35 Seconds West 90.6 feet  
 thence South 01 Degrees 55 Minutes 18 Seconds East 81.7 feet  
 thence South 07 Degrees 04 Minutes 06 Seconds East 69.7 feet  
 thence South 08 Degrees 08 Minutes 39 Seconds East 62.6 feet  
 thence South 10 Degrees 14 Minutes 15 Seconds East 66.6 feet  
 thence South 15 Degrees 44 Minutes 00 Seconds East 79 feet  
 thence South 11 Degrees 39 Minutes 56 Seconds East 83.3 feet  
 thence South 02 Degrees 45 Minutes 18 Seconds West 73.6 feet  
 thence South 19 Degrees 57 Minutes 02 Seconds West 74.9 feet  
 thence South 29 Degrees 03 Minutes 35 Seconds West 74.9 feet  
 thence South 31 Degrees 39 Minutes 09 Seconds West 48.3 feet  
 thence South 31 Degrees 55 Minutes 51 Seconds West 25.2 feet  
 thence South 51 Degrees 35 Minutes 59 Seconds West 61.7 feet  
 thence South 76 Degrees 26 Minutes 52 Seconds West 57.3 feet  
 thence South 87 Degrees 57 Minutes 41 Seconds West 65.3 feet  
 thence South 87 Degrees 46 Minutes 45 Seconds West 68.9 feet  
 thence South 87 Degrees 23 Minutes 52 Seconds West 65.7 feet  
 thence South 87 Degrees 53 Minutes 55 Seconds West 63 feet  
 thence South 88 Degrees 50 Minutes 15 Seconds West 66.3 feet  
 thence North 86 Degrees 10 Minutes 00 Seconds West 68.1 feet  
 thence North 76 Degrees 35 Minutes 10 Seconds West 73.3 feet  
 thence North 75 Degrees 18 Minutes 58 Seconds West 76.1 feet  
 thence North 72 Degrees 30 Minutes 34 Seconds West 75.1 feet  
 thence North 69 Degrees 26 Minutes 05 Seconds West 75.5 feet  
 thence North 73 Degrees 57 Minutes 47 Seconds West 76.9 feet  
 thence North 83 Degrees 42 Minutes 41 Seconds West 79.9 feet  
 thence North 85 Degrees 35 Minutes 06 Seconds West 83.6 feet  
 thence North 81 Degrees 14 Minutes 23 Seconds West 79.1 feet  
 thence North 85 Degrees 28 Minutes 02 Seconds West 58.3 feet  
 thence South 69 Degrees 02 Minutes 47 Seconds West 51.2 feet  
 thence South 44 Degrees 26 Minutes 02 Seconds West 52.2 feet  
 thence South 27 Degrees 49 Minutes 22 Seconds West 53.6 feet  
 thence South 21 Degrees 17 Minutes 26 Seconds West 52.6 feet  
 thence South 29 Degrees 39 Minutes 29 Seconds West 51.9 feet  
 thence South 41 Degrees 29 Minutes 00 Seconds West 58.1 feet  
 thence South 33 Degrees 17 Minutes 09 Seconds West 56.3 feet  
 thence South 02 Degrees 44 Minutes 29 Seconds West 49.3 feet  
 thence South 23 Degrees 41 Minutes 48 Seconds East 52.9 feet  
 thence South 34 Degrees 12 Minutes 45 Seconds East 49.4 feet  
 thence South 36 Degrees 18 Minutes 43 Seconds East 51.9 feet  
 thence South 22 Degrees 25 Minutes 50 Seconds East 54.9 feet  
 thence South 04 Degrees 51 Minutes 34 Seconds East 57.9 feet  
 thence South 02 Degrees 15 Minutes 08 Seconds West 66 feet  
 thence South 03 Degrees 41 Minutes 40 Seconds East 66.7 feet  
 thence South 04 Degrees 49 Minutes 56 Seconds East 70.8 feet

thence South 05 Degrees 06 Minutes 53 Seconds East 78.4 feet  
thence South 04 Degrees 17 Minutes 49 Seconds East 80.3 feet  
thence South 00 Degrees 18 Minutes 41 Seconds East 79.4 feet  
thence South 00 Degrees 00 Minutes 30 Seconds East 62 feet  
thence South 30 Degrees 03 Minutes 22 Seconds East 2.6 feet  
thence South 03 Degrees 30 Minutes 09 Seconds West 4.9 feet  
thence South 00 Degrees 18 Minutes 41 Seconds East 26.9 feet  
thence South 00 Degrees 18 Minutes 41 Seconds East 44.3 feet  
thence South 00 Degrees 40 Minutes 35 Seconds East 51.5 feet  
thence South 01 Degrees 29 Minutes 11 Seconds East 64 feet  
thence South 00 Degrees 57 Minutes 41 Seconds West 73.8 feet  
thence South 01 Degrees 07 Minutes 39 Seconds West 65.3 feet  
thence South 01 Degrees 23 Minutes 35 Seconds West 55.2 feet  
thence South 02 Degrees 38 Minutes 21 Seconds East 40.4 feet  
thence South 05 Degrees 45 Minutes 06 Seconds East 27.7 feet  
thence South 04 Degrees 01 Minutes 36 Seconds East 25.3 feet  
thence South 05 Degrees 33 Minutes 31 Seconds East 32.3 feet  
thence South 12 Degrees 44 Minutes 14 Seconds East 39.6 feet  
thence South 22 Degrees 06 Minutes 46 Seconds East 40.6 feet  
thence South 25 Degrees 58 Minutes 01 Seconds East 46.2 feet  
thence South 22 Degrees 57 Minutes 38 Seconds East 49.4 feet  
thence South 11 Degrees 13 Minutes 38 Seconds East 46.8 feet  
thence South 02 Degrees 31 Minutes 50 Seconds West 46.3 feet  
thence South 31 Degrees 38 Minutes 59 Seconds West 45.3 feet  
thence South 79 Degrees 36 Minutes 28 Seconds West 3 feet  
thence South 79 Degrees 49 Minutes 07 Seconds West 41 feet  
thence North 63 Degrees 54 Minutes 56 Seconds West 14.9 feet  
thence North 63 Degrees 57 Minutes 06 Seconds West 28.7 feet  
thence North 52 Degrees 18 Minutes 46 Seconds West 40 feet  
thence North 49 Degrees 33 Minutes 35 Seconds West 40.7 feet  
thence North 50 Degrees 20 Minutes 08 Seconds West 42.4 feet  
thence North 51 Degrees 42 Minutes 57 Seconds West 45.8 feet  
thence North 54 Degrees 24 Minutes 50 Seconds West 42.5 feet  
thence North 59 Degrees 42 Minutes 41 Seconds West 35.5 feet  
thence North 61 Degrees 00 Minutes 05 Seconds West 42.9 feet  
thence North 49 Degrees 24 Minutes 59 Seconds West 48.6 feet  
thence North 40 Degrees 35 Minutes 13 Seconds West 56.3 feet  
thence North 45 Degrees 05 Minutes 06 Seconds West 58.7 feet  
thence North 56 Degrees 42 Minutes 37 Seconds West 58.7 feet  
thence North 61 Degrees 15 Minutes 24 Seconds West 57.4 feet  
thence North 81 Degrees 19 Minutes 03 Seconds West 46.2 feet  
thence South 65 Degrees 38 Minutes 17 Seconds West 43.5 feet  
thence South 53 Degrees 26 Minutes 04 Seconds West 48.8 feet  
thence South 48 Degrees 15 Minutes 00 Seconds West 56 feet  
thence South 44 Degrees 15 Minutes 04 Seconds West 60.8 feet  
thence South 42 Degrees 04 Minutes 36 Seconds West 66.2 feet  
thence South 43 Degrees 42 Minutes 38 Seconds West 68 feet  
thence South 47 Degrees 39 Minutes 34 Seconds West 67.1 feet  
thence South 59 Degrees 35 Minutes 39 Seconds West 66.7 feet

thence South 74 Degrees 20 Minutes 18 Seconds West 69.4 feet

thence South 81 Degrees 00 Minutes 07 Seconds West 71.7 feet

thence South 83 Degrees 34 Minutes 22 Seconds West 64.7 feet

thence North 87 Degrees 49 Minutes 38 Seconds West 30.3 feet

thence North 87 Degrees 47 Minutes 20 Seconds West 29.8 feet more or less to **the ending**

**point at:** 37 degrees 31 minutes 10.96 seconds North Latitude and -109 degrees 32 minutes 54.28 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,206,379.3 feet and Y = 10,159,013.2 feet.

## Appendix C to Attachment 4

**Popular Name: BLACK MESA BUTTE ROAD**

**County: San Juan**

**County Road Number: B280**

**State Geographic Information Database (SGID) Road Identification Number: RD190312.**

**Road-Segment Number: 006**

**Road-Segment Length: 0.98 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 37 South Range 21 East, Section(s) 36, Salt Lake Base & Meridian

Township 38 South Range 21 East, Section(s) 1, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA BUTTE ROAD)-- Segment 006 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 31 minutes 11 seconds North Latitude and -109 degrees 33 minutes 10.73 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,205,053.5 feet and Y = 10,158,990.1 feet; thence the following courses along the said road center line:

thence South 49 Degrees 18 Minutes 24 Seconds West 8.4 feet  
thence South 49 Degrees 05 Minutes 13 Seconds West 48.4 feet  
thence South 50 Degrees 07 Minutes 57 Seconds West 16.4 feet  
thence South 50 Degrees 07 Minutes 40 Seconds West 61.9 feet  
thence South 50 Degrees 21 Minutes 41 Seconds West 70.4 feet  
thence South 55 Degrees 32 Minutes 13 Seconds West 67.8 feet  
thence South 77 Degrees 47 Minutes 59 Seconds West 51 feet  
thence North 66 Degrees 20 Minutes 56 Seconds West 45.2 feet  
thence North 69 Degrees 45 Minutes 19 Seconds West 44.9 feet  
thence North 88 Degrees 35 Minutes 10 Seconds West 54.5 feet

thence South 77 Degrees 24 Minutes 00 Seconds West 67.8 feet  
thence South 55 Degrees 12 Minutes 16 Seconds West 78.8 feet  
thence South 39 Degrees 08 Minutes 59 Seconds West 76.9 feet  
thence South 38 Degrees 32 Minutes 07 Seconds West 62.8 feet  
thence South 38 Degrees 36 Minutes 57 Seconds West 54.8 feet  
thence South 48 Degrees 16 Minutes 47 Seconds West 55.6 feet  
thence South 48 Degrees 07 Minutes 50 Seconds West 61.8 feet  
thence South 21 Degrees 58 Minutes 26 Seconds West 64.9 feet  
thence South 29 Degrees 30 Minutes 30 Seconds West 62 feet  
thence South 58 Degrees 12 Minutes 41 Seconds West 56.6 feet  
thence South 49 Degrees 00 Minutes 33 Seconds West 52.4 feet  
thence South 52 Degrees 02 Minutes 58 Seconds West 48.9 feet  
thence South 78 Degrees 39 Minutes 54 Seconds West 51.5 feet  
thence North 63 Degrees 35 Minutes 55 Seconds West 56.9 feet  
thence North 46 Degrees 31 Minutes 49 Seconds West 65.4 feet  
thence North 73 Degrees 16 Minutes 43 Seconds West 59.4 feet  
thence South 63 Degrees 32 Minutes 29 Seconds West 60.3 feet  
thence South 26 Degrees 29 Minutes 30 Seconds West 70.6 feet  
thence South 39 Degrees 48 Minutes 05 Seconds West 62.6 feet  
thence South 73 Degrees 51 Minutes 52 Seconds West 63.8 feet  
thence South 81 Degrees 11 Minutes 11 Seconds West 64.4 feet  
thence South 83 Degrees 23 Minutes 05 Seconds West 56.8 feet  
thence North 88 Degrees 37 Minutes 36 Seconds West 67 feet  
thence North 73 Degrees 21 Minutes 12 Seconds West 76.5 feet  
thence North 56 Degrees 50 Minutes 06 Seconds West 73.2 feet  
thence North 53 Degrees 03 Minutes 12 Seconds West 77.5 feet  
thence North 52 Degrees 18 Minutes 00 Seconds West 72.5 feet  
thence North 51 Degrees 39 Minutes 06 Seconds West 71.4 feet  
thence North 68 Degrees 49 Minutes 04 Seconds West 68.1 feet  
thence South 71 Degrees 52 Minutes 45 Seconds West 66.5 feet  
thence South 78 Degrees 42 Minutes 58 Seconds West 65.5 feet  
thence North 73 Degrees 53 Minutes 21 Seconds West 65 feet  
thence North 57 Degrees 21 Minutes 59 Seconds West 70 feet  
thence North 53 Degrees 29 Minutes 42 Seconds West 70.1 feet  
thence North 53 Degrees 09 Minutes 02 Seconds West 64.6 feet  
thence North 58 Degrees 04 Minutes 37 Seconds West 60.9 feet  
thence North 68 Degrees 50 Minutes 37 Seconds West 62.8 feet  
thence North 89 Degrees 45 Minutes 09 Seconds West 67.3 feet  
thence South 68 Degrees 10 Minutes 21 Seconds West 73.4 feet  
thence South 55 Degrees 48 Minutes 05 Seconds West 79.5 feet  
thence South 37 Degrees 47 Minutes 32 Seconds West 79.2 feet  
thence South 23 Degrees 02 Minutes 21 Seconds West 81.1 feet  
thence South 13 Degrees 00 Minutes 46 Seconds West 76.9 feet  
thence South 18 Degrees 32 Minutes 08 Seconds West 72.1 feet  
thence South 27 Degrees 02 Minutes 46 Seconds West 74.3 feet  
thence South 33 Degrees 00 Minutes 19 Seconds West 69.9 feet  
thence South 38 Degrees 31 Minutes 45 Seconds West 64.9 feet  
thence South 40 Degrees 49 Minutes 12 Seconds West 65.3 feet  
thence South 37 Degrees 31 Minutes 08 Seconds West 74.4 feet

thence South 30 Degrees 02 Minutes 47 Seconds West 79.9 feet  
thence South 28 Degrees 22 Minutes 15 Seconds West 83.4 feet  
thence South 29 Degrees 36 Minutes 49 Seconds West 77.6 feet  
thence South 26 Degrees 15 Minutes 12 Seconds West 63.8 feet  
thence South 30 Degrees 35 Minutes 41 Seconds West 56.2 feet  
thence South 46 Degrees 37 Minutes 08 Seconds West 62 feet  
thence South 60 Degrees 33 Minutes 00 Seconds West 65.4 feet  
thence South 71 Degrees 46 Minutes 33 Seconds West 68.3 feet  
thence South 77 Degrees 14 Minutes 56 Seconds West 68.5 feet  
thence South 74 Degrees 00 Minutes 15 Seconds West 69.2 feet  
thence South 64 Degrees 43 Minutes 50 Seconds West 57.5 feet  
thence South 51 Degrees 26 Minutes 02 Seconds West 43.5 feet  
thence South 49 Degrees 16 Minutes 28 Seconds West 43.5 feet  
thence South 65 Degrees 05 Minutes 54 Seconds West 42.6 feet  
thence South 78 Degrees 56 Minutes 58 Seconds West 38.7 feet  
thence South 83 Degrees 01 Minutes 18 Seconds West 25.4 feet  
thence South 87 Degrees 18 Minutes 09 Seconds West 7.9 feet  
thence South 87 Degrees 11 Minutes 56 Seconds West 7.6 feet  
thence North 87 Degrees 49 Minutes 19 Seconds West 30.2 feet  
thence North 75 Degrees 06 Minutes 58 Seconds West 27.5 feet  
thence North 64 Degrees 54 Minutes 13 Seconds West 29.1 feet  
thence North 47 Degrees 20 Minutes 32 Seconds West 32.7 feet  
thence North 40 Degrees 02 Minutes 56 Seconds West 35.4 feet  
thence North 42 Degrees 09 Minutes 04 Seconds West 37.9 feet  
thence North 42 Degrees 44 Minutes 17 Seconds West 41.3 feet  
thence North 41 Degrees 16 Minutes 01 Seconds West 46.1 feet  
thence North 37 Degrees 34 Minutes 16 Seconds West 48.2 feet  
thence North 30 Degrees 12 Minutes 07 Seconds West 48.1 feet  
thence North 27 Degrees 51 Minutes 51 Seconds West 42.6 feet  
thence North 32 Degrees 51 Minutes 11 Seconds West 40.9 feet  
thence North 37 Degrees 14 Minutes 46 Seconds West 23.2 feet

more or less to **the ending point at:** 37 degrees 30 minutes 59.77 seconds North Latitude and -109 degrees 33 minutes 59.44 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,201,154.3 feet and Y = 10,157,773.4 feet.

## Appendix D to Attachment 4

**Popular Name: BLACK MESA BUTTE ROAD**

**County: San Juan**

**County Road Number: B280**

**State Geographic Information Database (SGID) Road Identification Number: RD190312.**

**Road-Segment Number: 008**

**Road-Segment Length: 1.43 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 38 South Range 21 East, Section(s) 3,4, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA BUTTE ROAD)-- Segment 008 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 30 minutes 59.42 seconds North Latitude and -109 degrees 35 minutes 5.2 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,195,857.9 feet and Y = 10,157,628.6 feet; thence the following courses along the said road center line:

thence South 89 Degrees 10 Minutes 35 Seconds West 106.5 feet  
thence South 87 Degrees 25 Minutes 32 Seconds West 108 feet  
thence South 88 Degrees 35 Minutes 12 Seconds West 102.4 feet  
thence South 89 Degrees 03 Minutes 56 Seconds West 60.4 feet  
thence South 88 Degrees 02 Minutes 10 Seconds West 34.1 feet  
thence South 87 Degrees 59 Minutes 06 Seconds West 88.3 feet  
thence South 88 Degrees 05 Minutes 04 Seconds West 82.1 feet  
thence South 88 Degrees 13 Minutes 33 Seconds West 77.1 feet  
thence South 89 Degrees 12 Minutes 10 Seconds West 77.4 feet  
thence South 88 Degrees 46 Minutes 31 Seconds West 82.4 feet  
thence South 88 Degrees 26 Minutes 02 Seconds West 89.9 feet

thence South 88 Degrees 39 Minutes 55 Seconds West 91.9 feet  
thence South 88 Degrees 09 Minutes 57 Seconds West 98.8 feet  
thence South 87 Degrees 20 Minutes 51 Seconds West 104.4 feet  
thence South 89 Degrees 09 Minutes 11 Seconds West 105.3 feet  
thence South 88 Degrees 25 Minutes 53 Seconds West 104.7 feet  
thence South 88 Degrees 20 Minutes 01 Seconds West 97.2 feet  
thence South 88 Degrees 10 Minutes 31 Seconds West 87 feet  
thence South 88 Degrees 29 Minutes 06 Seconds West 78.1 feet  
thence South 88 Degrees 17 Minutes 49 Seconds West 81.1 feet  
thence South 87 Degrees 45 Minutes 54 Seconds West 88 feet  
thence South 88 Degrees 29 Minutes 42 Seconds West 94.5 feet  
thence South 88 Degrees 24 Minutes 55 Seconds West 103.4 feet  
thence South 87 Degrees 42 Minutes 49 Seconds West 104.7 feet  
thence South 88 Degrees 23 Minutes 56 Seconds West 102.1 feet  
thence South 88 Degrees 56 Minutes 04 Seconds West 99.8 feet  
thence South 88 Degrees 01 Minutes 12 Seconds West 101.4 feet  
thence South 87 Degrees 52 Minutes 24 Seconds West 93.2 feet  
thence South 88 Degrees 47 Minutes 36 Seconds West 21 feet  
thence South 88 Degrees 25 Minutes 21 Seconds West 59.4 feet  
thence South 89 Degrees 56 Minutes 23 Seconds West 74.8 feet  
thence South 87 Degrees 33 Minutes 05 Seconds West 88 feet  
thence South 87 Degrees 45 Minutes 28 Seconds West 87.7 feet  
thence South 88 Degrees 34 Minutes 10 Seconds West 84 feet  
thence South 87 Degrees 15 Minutes 57 Seconds West 85.4 feet  
thence South 88 Degrees 24 Minutes 38 Seconds West 88.3 feet  
thence South 88 Degrees 43 Minutes 26 Seconds West 97.5 feet  
thence South 88 Degrees 55 Minutes 10 Seconds West 97.8 feet  
thence South 88 Degrees 28 Minutes 10 Seconds West 92.6 feet  
thence South 88 Degrees 33 Minutes 39 Seconds West 83.4 feet  
thence South 87 Degrees 17 Minutes 33 Seconds West 78.5 feet  
thence South 87 Degrees 50 Minutes 00 Seconds West 81.1 feet  
thence North 88 Degrees 09 Minutes 59 Seconds West 87.7 feet  
thence North 81 Degrees 16 Minutes 38 Seconds West 79.4 feet  
thence South 77 Degrees 19 Minutes 49 Seconds West 59.8 feet  
thence South 82 Degrees 06 Minutes 56 Seconds West 57.3 feet  
thence South 87 Degrees 33 Minutes 15 Seconds West 52.9 feet  
thence South 87 Degrees 29 Minutes 59 Seconds West 51.6 feet  
thence South 88 Degrees 05 Minutes 18 Seconds West 58.8 feet  
thence South 83 Degrees 25 Minutes 15 Seconds West 57.1 feet  
thence South 62 Degrees 22 Minutes 10 Seconds West 55.8 feet  
thence South 40 Degrees 17 Minutes 23 Seconds West 57.5 feet  
thence South 35 Degrees 18 Minutes 11 Seconds West 56.9 feet  
thence South 38 Degrees 06 Minutes 59 Seconds West 50.7 feet  
thence South 34 Degrees 24 Minutes 25 Seconds West 50.7 feet  
thence South 19 Degrees 06 Minutes 40 Seconds West 60.2 feet  
thence South 05 Degrees 36 Minutes 47 Seconds West 69.9 feet  
thence South 04 Degrees 31 Minutes 22 Seconds West 66.2 feet  
thence South 10 Degrees 46 Minutes 56 Seconds West 68.2 feet  
thence South 10 Degrees 53 Minutes 21 Seconds West 67.6 feet

thence South 10 Degrees 20 Minutes 32 Seconds West 67.4 feet  
thence South 11 Degrees 28 Minutes 08 Seconds West 62.7 feet  
thence South 14 Degrees 31 Minutes 50 Seconds West 67.9 feet  
thence South 22 Degrees 00 Minutes 28 Seconds West 67.4 feet  
thence South 18 Degrees 52 Minutes 03 Seconds West 55.9 feet  
thence South 28 Degrees 30 Minutes 50 Seconds West 55.8 feet  
thence South 49 Degrees 52 Minutes 58 Seconds West 56.4 feet  
thence South 65 Degrees 06 Minutes 13 Seconds West 55.2 feet  
thence South 85 Degrees 05 Minutes 18 Seconds West 57.3 feet  
thence North 79 Degrees 09 Minutes 52 Seconds West 67.9 feet  
thence North 67 Degrees 35 Minutes 29 Seconds West 72.2 feet  
thence North 65 Degrees 33 Minutes 14 Seconds West 74.4 feet  
thence North 74 Degrees 55 Minutes 22 Seconds West 74.2 feet  
thence North 84 Degrees 19 Minutes 42 Seconds West 75.6 feet  
thence South 87 Degrees 26 Minutes 51 Seconds West 75.5 feet  
thence North 84 Degrees 39 Minutes 15 Seconds West 69.9 feet  
thence North 66 Degrees 54 Minutes 24 Seconds West 71.9 feet  
thence North 65 Degrees 35 Minutes 20 Seconds West 27.4 feet  
thence North 65 Degrees 36 Minutes 47 Seconds West 49.6 feet  
thence North 67 Degrees 06 Minutes 46 Seconds West 77.5 feet  
thence North 66 Degrees 25 Minutes 55 Seconds West 68.9 feet  
thence North 57 Degrees 28 Minutes 58 Seconds West 60.5 feet  
thence North 37 Degrees 19 Minutes 52 Seconds West 50.1 feet  
thence North 20 Degrees 29 Minutes 27 Seconds West 40.9 feet  
thence North 14 Degrees 36 Minutes 42 Seconds West 34.5 feet  
thence North 15 Degrees 30 Minutes 24 Seconds West 27.5 feet  
thence North 14 Degrees 52 Minutes 18 Seconds West 26.1 feet  
thence North 13 Degrees 35 Minutes 46 Seconds West 24.3 feet  
thence North 18 Degrees 21 Minutes 33 Seconds West 30.7 feet  
thence North 04 Degrees 18 Minutes 56 Seconds West 32.9 feet  
thence North 00 Degrees 18 Minutes 40 Seconds East 30.2 feet  
thence North 20 Degrees 47 Minutes 54 Seconds West 31.9 feet  
thence North 35 Degrees 58 Minutes 00 Seconds West 37.2 feet  
thence North 47 Degrees 39 Minutes 19 Seconds West 39.7 feet  
thence North 47 Degrees 44 Minutes 53 Seconds West 43.7 feet  
thence North 50 Degrees 30 Minutes 21 Seconds West 48.7 feet  
thence North 56 Degrees 56 Minutes 14 Seconds West 49.5 feet  
thence North 64 Degrees 40 Minutes 58 Seconds West 53.9 feet  
thence North 72 Degrees 24 Minutes 42 Seconds West 55.5 feet  
thence North 79 Degrees 36 Minutes 26 Seconds West 54.8 feet  
thence North 89 Degrees 58 Minutes 41 Seconds West 56.4 feet  
thence South 86 Degrees 45 Minutes 40 Seconds West 57.8 feet  
thence North 81 Degrees 56 Minutes 43 Seconds West 56.4 feet  
thence North 55 Degrees 08 Minutes 41 Seconds West 53 feet  
thence North 57 Degrees 57 Minutes 50 Seconds West 58.3 feet  
thence North 60 Degrees 31 Minutes 39 Seconds West 60.1 feet  
thence North 49 Degrees 42 Minutes 36 Seconds West 60.5 feet  
thence North 29 Degrees 35 Minutes 44 Seconds West 55.7 feet  
thence North 15 Degrees 58 Minutes 01 Seconds West 53.5 feet

thence North 18 Degrees 30 Minutes 01 Seconds West 48.4 feet  
thence North 47 Degrees 49 Minutes 55 Seconds West 36.9 feet  
thence North 63 Degrees 12 Minutes 56 Seconds West 31.7 feet more or less to **the ending**  
**point at:** 37 degrees 31 minutes 00.71 seconds North Latitude and -109 degrees 36 minutes 024.2 seconds  
West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet  
coordinates of X = 2,189,492.4 feet and Y = 10,157,629.5 feet.

## Appendix E to Attachment 4

**Popular Name: BLACK MESA BUTTE ROAD**

**County: San Juan**

**County Road Number: B280**

**State Geographic Information Database (SGID) Road Identification Number: RD190312.**

**Road-Segment Number: 009**

**Road-Segment Length: 0.04 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 38 South Range 21 East, Section(s) 4, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA BUTTE ROAD)-- Segment 009 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 31 minutes 00.71 seconds North Latitude and -109 degrees 36 minutes 024.2 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,189,492.4 feet and Y = 10,157,629.5 feet; thence the following courses along the said road center line:

thence North 58 Degrees 18 Minutes 21 Seconds West 27.9 feet

thence North 64 Degrees 41 Minutes 45 Seconds West 26.6 feet

thence North 86 Degrees 44 Minutes 06 Seconds West 21 feet

thence South 42 Degrees 23 Minutes 52 Seconds West 23.2 feet

thence South 10 Degrees 46 Minutes 16 Seconds East 21.7 feet

thence South 62 Degrees 33 Minutes 10 Seconds East 21.1 feet

thence North 79 Degrees 52 Minutes 57 Seconds East 27 feet

thence North 65 Degrees 05 Minutes 00 Seconds East 38.6 feet more or less to **the ending**

**point at:** 37 degrees 31 minutes 00.71 seconds North Latitude and -109 degrees 36 minutes 024.2 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,189,492.4 feet and Y = 10,157,629.5 feet.