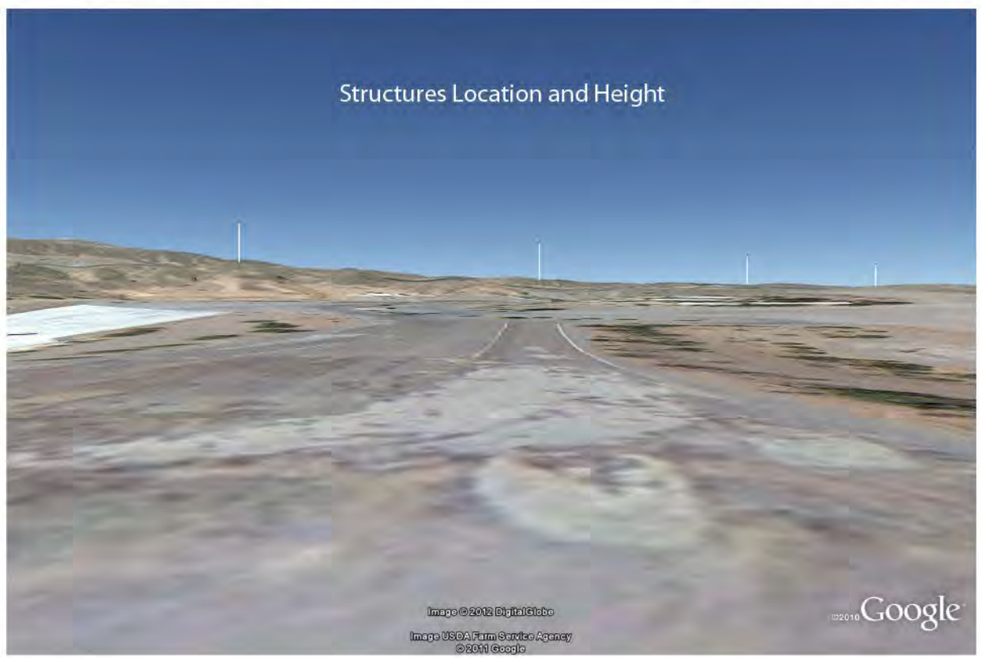


Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/09/2011
District Southern Nevada DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LMNRA-1
3. VRM Class: NA
4. Location: Las Vegas Bay Boat Launch; Township 21S; Range 64E; Section 019
5. Location Sketch: Please see Figure 3.12-4

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar, graded boat launch parking and angular mountains.	Clumps of palm trees, shrubs and grasses.	Planar roadway and parking area. Cubed buildings and cylindrical utilities.
LINE	Curvilinear and angular ridgelines.	Irregular palm trees, shrubs and grass patterns.	Horizontal roadways and parking. Horizontal and vertical buildings. Vertical utilities.
COLOR	Light to medium reddish tan and grey..	Dark green palm trees and shrubs and tan desert shrubs and grasses.	Light, medium grey roadway and parking. Light grey and reddish tan buildings. Medium to dark grey utilities.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form										X		
Elements: Line											X	
Elements: Color											X	
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 09/09/2011

Rationale:

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

KOP Location

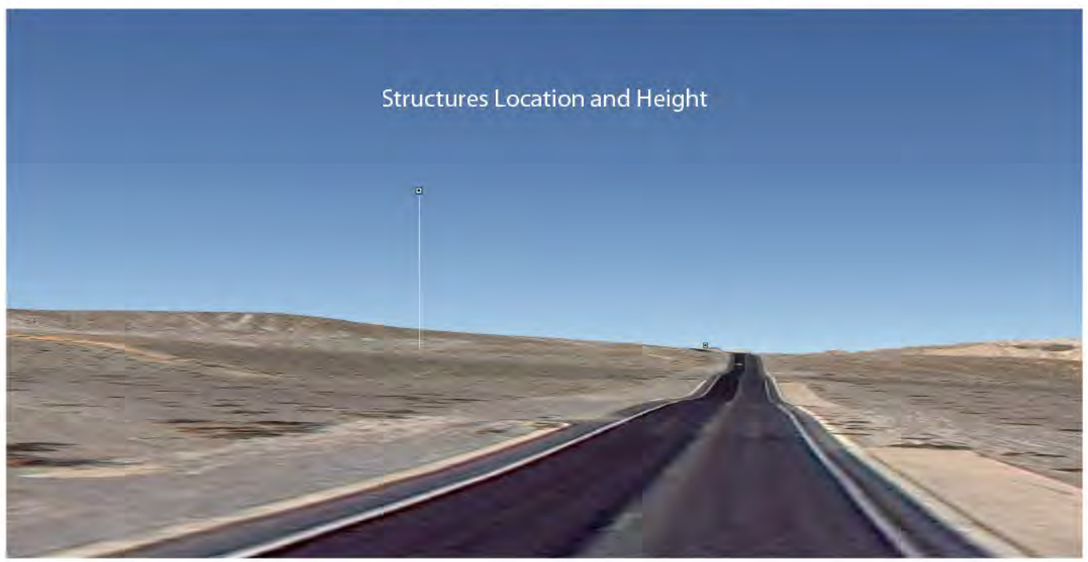
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LMNRA-1
Las Vegas Bay
Boat Launch
(Segment 710)

KOP Photograph



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/09/2011
District Southern Nevada DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LMNRA-2
3. VRM Class: NA
4. Location: Lake Mead-Lakeshore Dr.
Township 21S
Range 63E
Section 013
5. Location Sketch: Please see Figure 3.12-4

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Clumps of desert shrubs and grasses.	Planar roadway
LINE	Curvilinear and angular ridgelines.	Irregular shrub and grass patterns.	Horizontal roadway..
COLOR	Light to medium reddish tan and grey..	Tan to brown shrubs and grasses.	Light, medium grey and tan roadways.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Pyramidal steel lattice structure, spherical jumpers, and tubular conductors.
LINE			Vertical steel lattice structures, rounded jumpers, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, jumpers, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form								X	X			
	Line								X	X			
	Color								X	X			
	Texture								X		X		

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

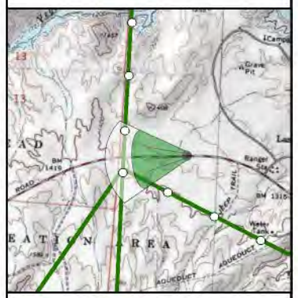
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 09/09/2011

Rationale:

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



KOP Location

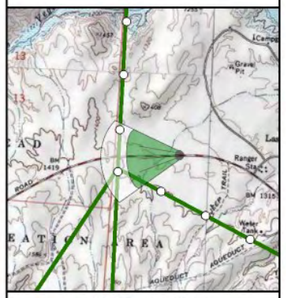
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LMNRA-2
Lake Mead
Lakeshore Drive
(Segment 710)

Project Location



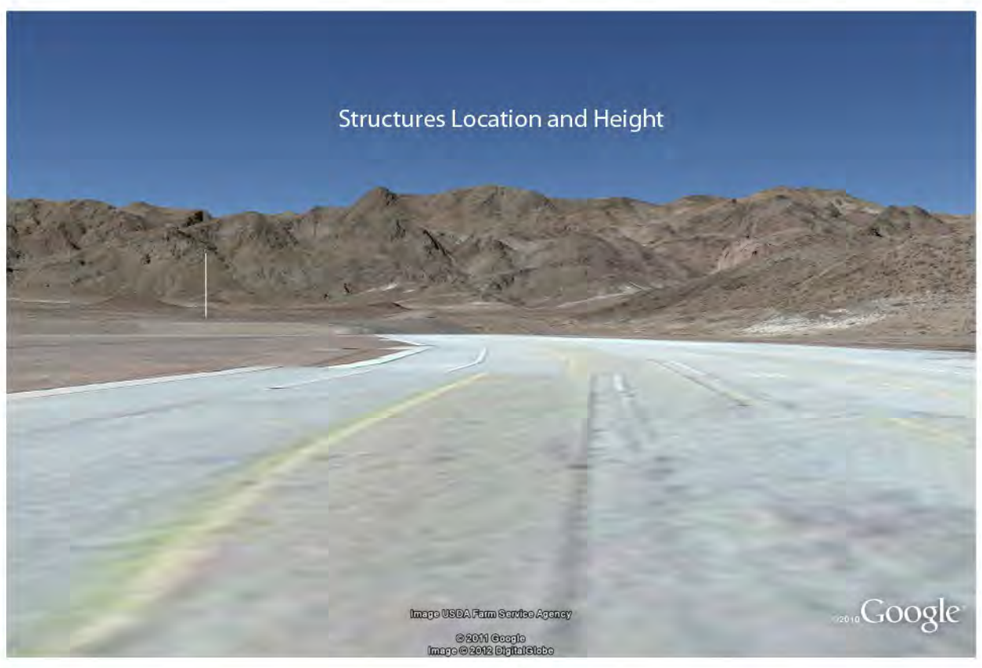
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LMNRA-2
Simulated Condition
(Segment 710)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/09/2011
District Southern Nevada DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LMNRA-3
3. VRM Class: NA
4. Location: Lake Mead Marina-Pyramid Is. Township 22S Range 64E Section 010
5. Location Sketch: Please see Figure 3.12-4

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar, graded boat launch parking and angular mountains.	Clumps of palm trees, shrubs and grasses.	Planar roadway and parking area. Pyramidal steel lattice. Cubed building and cylindrical utilities.
LINE	Angular rock formations and ridgelines.	Irregular palm trees, shrubs and grass patterns.	Horizontal roadways and parking. Horizontal and vertical building. Vertical utilities.
COLOR	Light to medium reddish tan and grey..	Dark green palm trees and shrubs and tan desert shrubs and grasses.	Light, medium grey roadway and parking. Light yellowish tan building. Medium to dark grey utilities.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Medium silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form											X	
Line											X	
Color											X	
Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

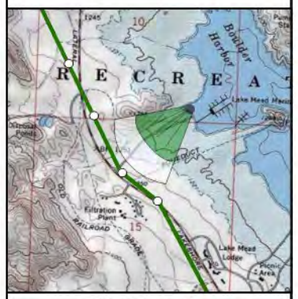
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 09/09/2011

Rationale:

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



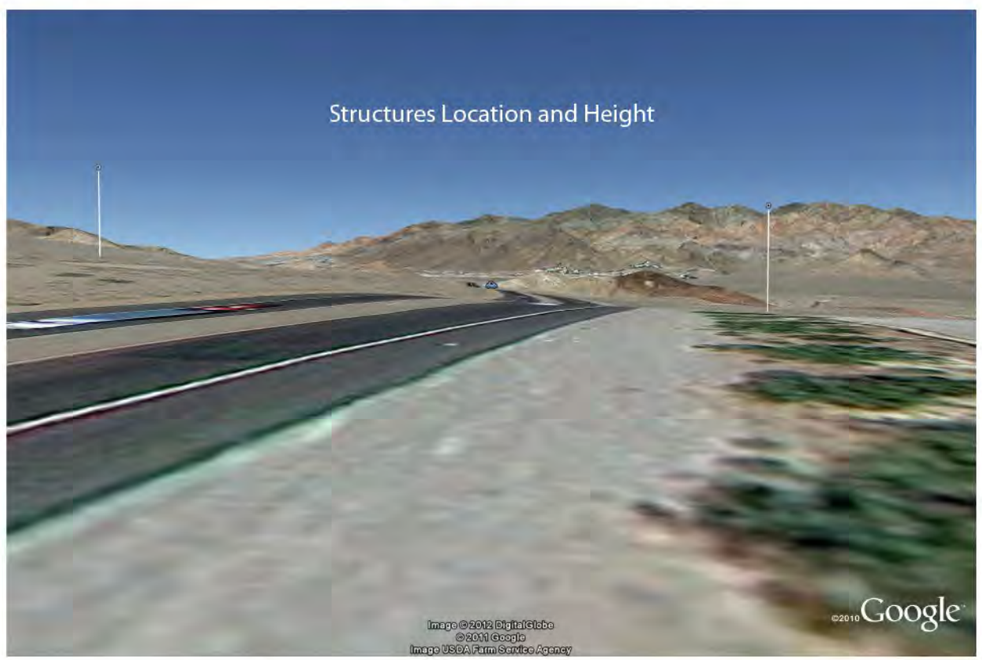
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LMNRA-3
Lake Mead Marina
Pyramid Island
(Segment 770)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	09/09/2011
District	Southern Nevada DO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Lk Mead Vis Ctr. (93 westbound). Township 22S Range 64E Section 26	5. Location Sketch Please see Figure 3.12-4
2. Key Observation Point LMNRA-4		
3. VRM Class NA		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Clumps of desert shrubs and grasses.	Planar roadway. Cubed residential buildings and cylindrical h-frame poles.
LINE	Angular rock formations and ridgelines.	Irregular shrubs and grass patterns.	Horizontal roadways. Horizontal and vertical buildings. Vertical utilities.
COLOR	Light to medium reddish tan and grey..	Dark green and tan desert shrubs and grasses.	Light, medium grey roadway. Multiple colors of structures. Medium to dark brown utilities.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form										X		
Line											X	
Color											X	
Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	09/09/2011

Rationale:

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

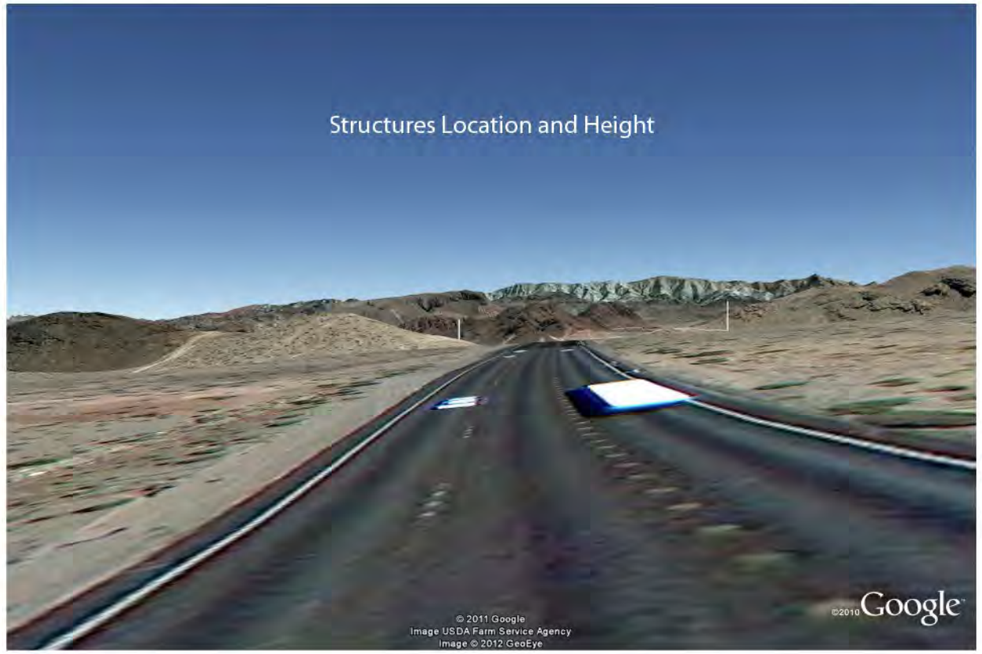
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LMNRA-4
Lake Mead Visitor Center
(93 westbound)
(Segment 770)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/09/2011
District Southern Nevada DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LMNRA-5
3. VRM Class: NA
4. Location: U.S. 93 (eastbound). Township 22S Range 64E Section 034
5. Location Sketch: Please see Figure 3.12-4

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Clumps of desert shrubs and grasses.	Planar roadway. Pyramidal steel lattice structrures. Cubed hotel and cylindrical utility pole.
LINE	Angular rock formations and ridgelines.	Irregular shrubs and grass patterns.	Horizontal roadway. Horizontal and vertical building. Vertical utilities.
COLOR	Light to medium reddish tan and grey..	Dark green and tan desert shrubs and grasses.	Light, medium grey roadway. Tan reddish brown structures. Medium to dark brown utilities.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Line										X		
Color										X		
Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 09/09/2011

Rationale:

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

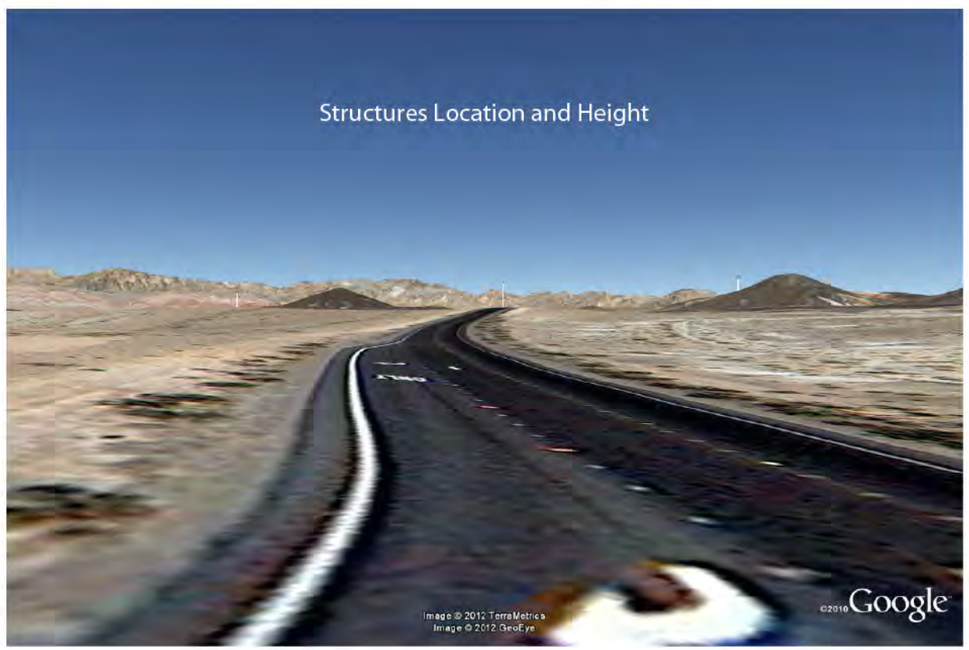
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LMNRA-5
U.S. 93
(eastbound)
(Segment 770)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/10/2011
District Southern Nevada DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LMNRA-6
3. VRM Class: Private
4. Location: Lake Mead Blvd (northbound). Township 20S Range 63E Section 035
5. Location Sketch: Please see Figure 3.12-4

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Clumps of desert shrubs and grasses.	Planar roadway and pullout parking. Multiple pyramidal steel lattice structures.
LINE	Curvilinear and angular ridgelines.	Irregular shrubs and grass patterns.	Horizontal roadway. Vertical t-line structures.
COLOR	Light to medium reddish tan and grey..	Dark brown and tan desert shrubs and grasses.	Medium to dark grey roadway. Medium to dark grey utilities.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form												
	Line												
	Color												
	Texture												

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

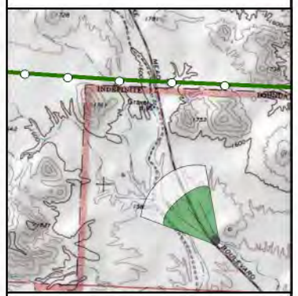
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 09/10/2011

Rationale:

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



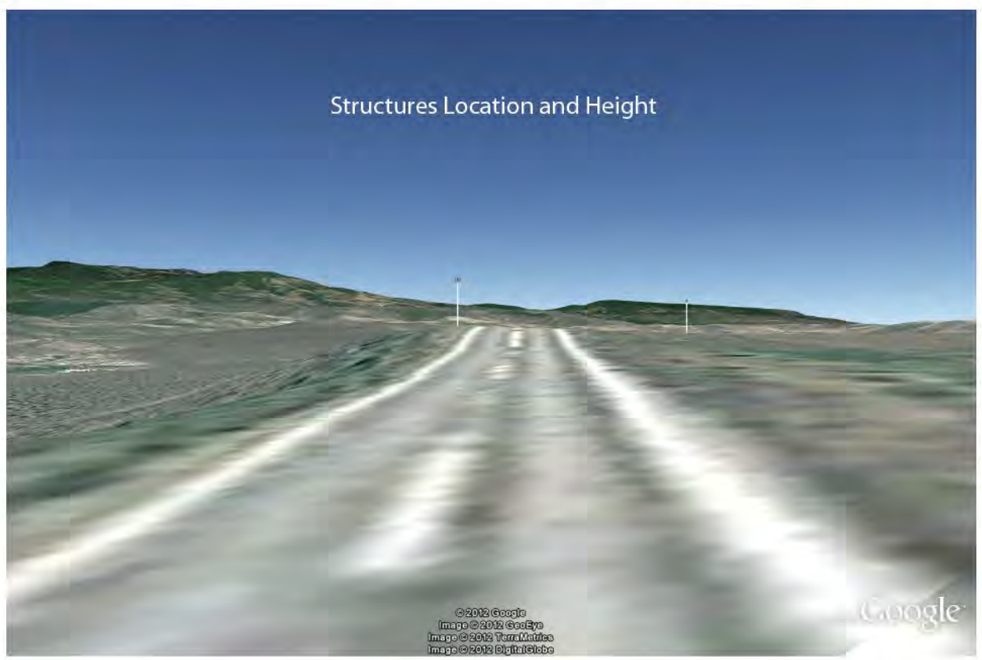
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LMNRA-6
Lake Mead Boulevard
(northbound)
(Segment 650)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/22/2011
District Little Snake FO	
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Colo. SH 13 (southbound) Township 010N Range 091W Section 011	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-1		
3. VRM Class IV (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes.	Organic clumps of rabbit brush, sagebrush and grasses.	Planar foreground roadway. Subtle linear fence posts.
LINE	Strong angular skyline. Angular side slopes and foreground ridgeline.	Indistinct sagebrush, rabbit brush and grasses.	Linear horizontal foreground roadway and vertical fence posts..
COLOR	Very light, medium, and dark grey and brown exposed eroded slopes.	Medium olive green sagebrush. Golden tan to brown grasses and forbs.	Light to medium grey foreground roadway and dark brown fence posts.
TEX-TURE	Smooth to moderate exposed soils.	Coarse sagebrush. Smooth to coarse grasses.	Smooth to medium foreground roadway and fence posts..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)

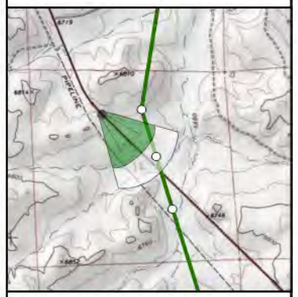
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	07/22/2011

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



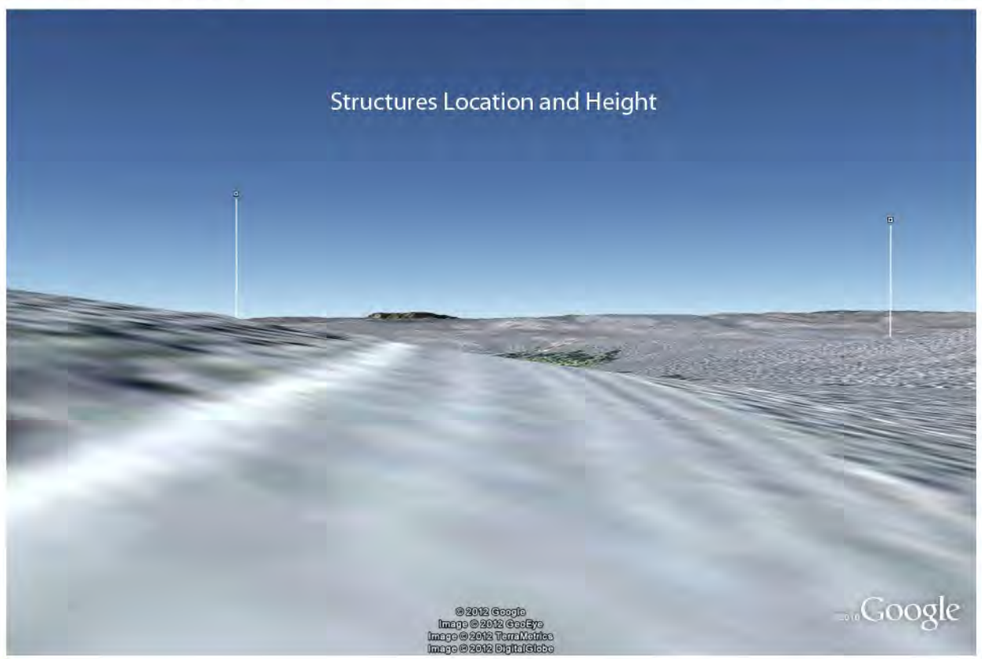
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-1
Colo State Highway 13
(southbound)
(Segment 190)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2010
District	Little Snake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Recreation Road - Residential Township 009N Range 090W Section 035	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-2		
3. VRM Class III		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar ridges. Angular mountain backdrop and side slopes and erosion cuts.	Organic clumps of mature cottonwoods and rabitt brush and sagebrush. Planar grass patterns..	Cubed and pyramidal ranch buildings. Planar road.
LINE	Strong horizontal ridge and mountain skyline. Angular side slopes. Horizontal valley floor.	Indistinct curvilinear cottonwood trees, rabbit brush and sagebrush.	Horizontal and vertical lines of ranch buildings. Curved road.
COLOR	Very light, medium, and dark brown slopes.	Orange, tan and brown mature cottonwoods. Gold to tan and brown rabbit brush and sagebrush.	Light to medium tan ranch buildings..Light to medium grey roadway.
TEX-TURE	Smooth landforms.	Coarse cottonwoods and shrubs.	Smooth ranch buildings and medium roadway..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Line										X		
Color										X		
Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☑ No (Explain on reverse side)

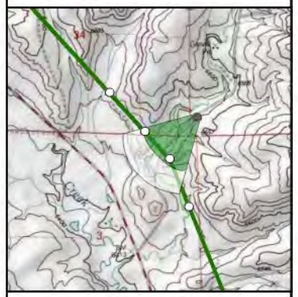
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	07/22/2011

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong contrast and would not comply with VRM Class III management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



KOP Location

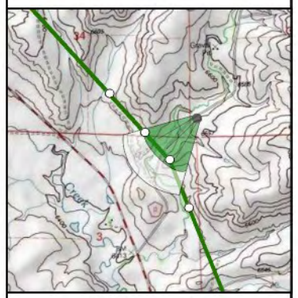
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-2
Recreation Road
Residential
(Segment 190)

Project Location



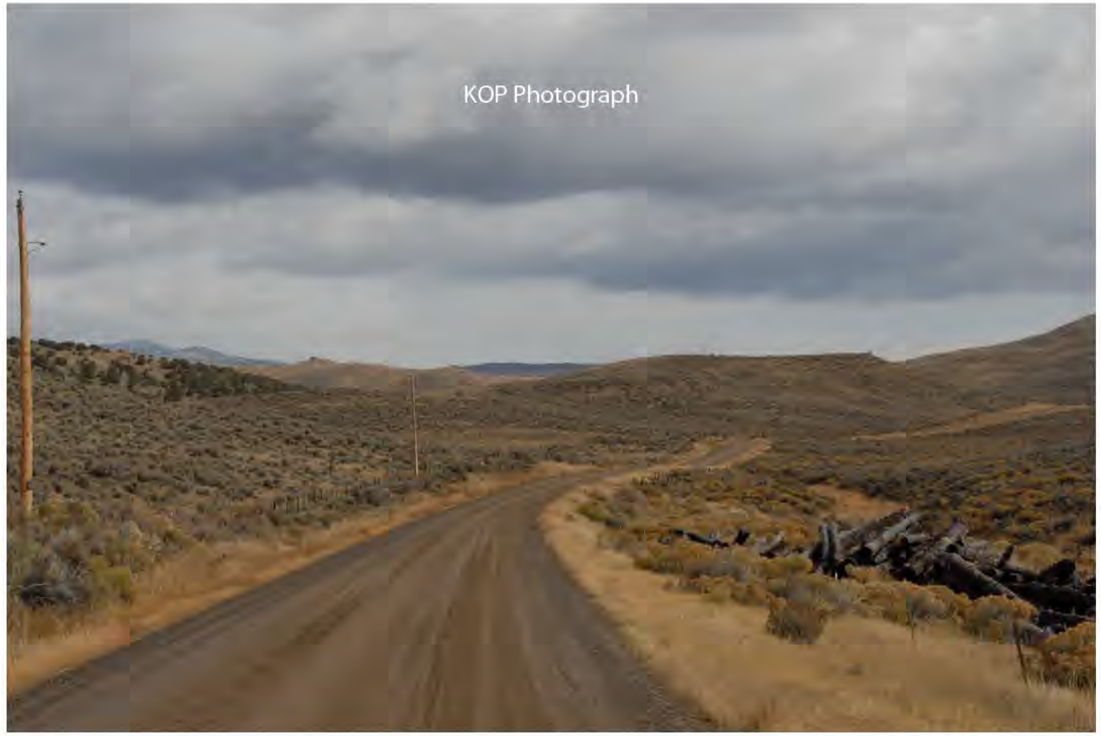
KOP Location

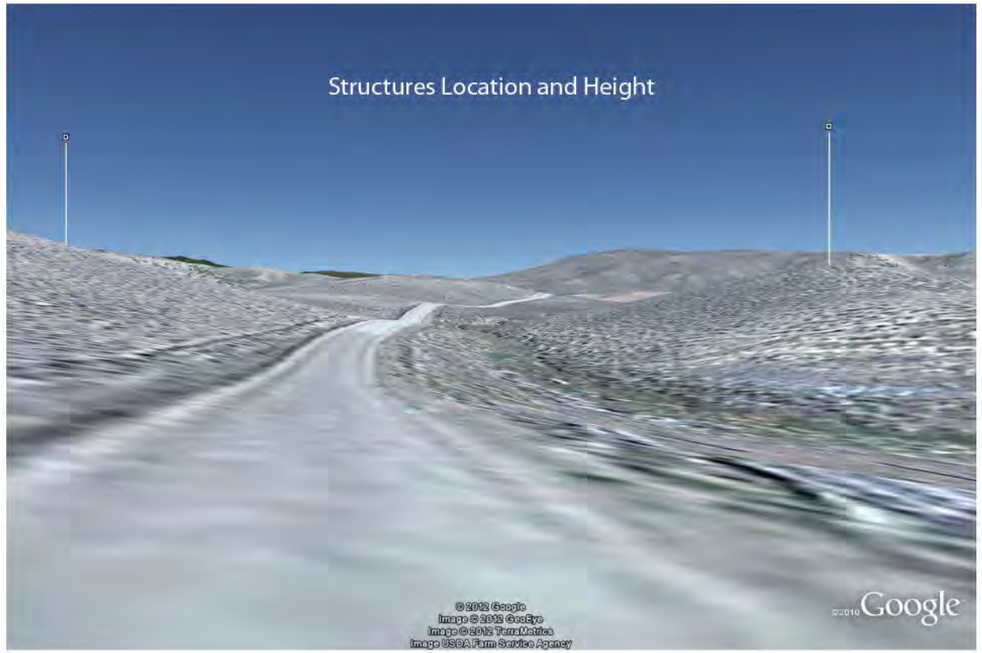
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-2
Simulated Condition
(Segment 190)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/24/2010
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LS-3
3. VRM Class: III
4. Location: Recreation Road; Township 008N; Range 090W; Section 003
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar ridges. Angular mountain backdrop and side slopes.	Organic clumps of pinon-juniper, rabbit brush and sagebrush. Planar grass patterns..	Cylindrical utility poles. Planar road.
LINE	Strong horizontal ridge and mountain skyline. Angular side slopes and valley.	Indistinct pinon-juniper, rabbit brush and sagebrush,	Vertical lines of utility poles. Curved road.
COLOR	Very light, medium, and dark brown slopes.	Gold to tan and brown rabbit brush and sagebrush. Dark olive green pinon-juniper.	Light to medium brown utility poles. Medium to dark grey roadway.
TEX-TURE	Smooth landforms.	Coarse pinon-juniper and shrubs.	Smooth utility poles and wood pile and medium roadway..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☑ No (Explain on reverse side)

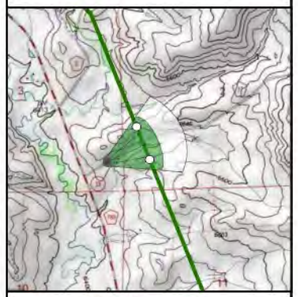
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 07/22/2011

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong contrast and would not comply with VRM Class III management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-3
Recreation Road
(Segment 190)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/22/2011
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LS-4
3. VRM Class: Private
4. Location: Recreation Road - Residential; Township 007N; Range 089W; Section 30
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar ridges. Angular mountain backdrop and side slopes and erosion cuts.	Organic clumps of mature cottonwoods and riparian shrubs. Planar grass patterns..	Cubed and pyramidal ranch buildings.
LINE	Strong horizontal ridge and mountain skyline. Angular side slopes. Horizontal valley floor.	Distinct curvilinear cottonwood trees and meandering linear bands of riparian shrubs. Horizontal grassland edges.	Indistinct horizontal and vertical lines of ranch buildings..
COLOR	Very light, medium, and dark brown exposed eroded slopes.	Olive green mature cottonwoods. Yellowish olive green greasewood. Bright green field grasses and golden tan to brown native grasses.	Light to moderate grey ranch buildings..
TEX-TURE	Smooth landforms.	Coarse cottonwoods and riparian shrubs. Smooth grasses.	Smooth ranch buildings..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form									X			
	Line										X		
	Color										X		
	Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

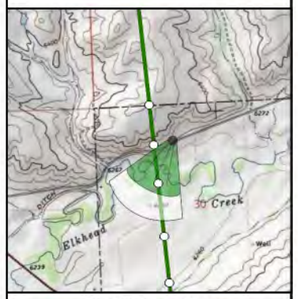
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 07/22/2011

Rationale:

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



KOP Location

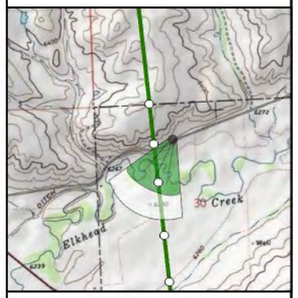
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-4
Recreation Road
Residential
(Segment 190)

Project Location



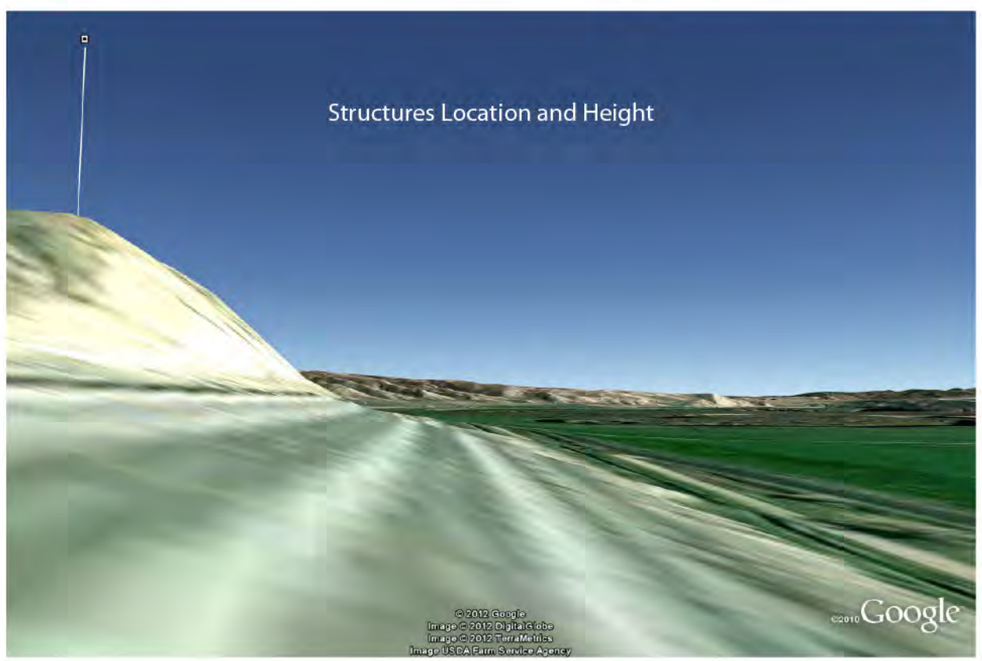
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-4
(Segment 190)
Simulated Condition



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/24/2010
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
LS-5

3. VRM Class
NA

4. Location U.S. 40 (eastbound)
Township 007N
Range 089W
Section 031

5. Location Sketch
Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar ridges and valley floor. Angular mountain backdrop and side slopes.	Organic clumps of mature cottonwoods and rabitt brush and sagebrush. Planar field grass patterns..	Cylindrical fence posts. Horizontal hay stack cylinders..
LINE	Horizontal ridge and mountain skyline. Angular side slopes. Horizontal valley floor.	Indistinct curvilinear cottonwood trees, rabbit brush and sagebrush. Horizontal field grass.	Horizontal haystacks and vertical lines of fence posts.
COLOR	Very light, medium, and dark tan to brown slopes.	Orange, tan and brown mature cottonwoods. Gold to tan and brown rabbit brush and sagebrush.	Medium to dark brown fence posts.
TEX-TURE	Smooth landforms.	Coarse cottonwoods and shrubs.	Smooth fence posts and haystacks.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form									X			
	Line										X		
	Color										X		
	Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No **(Explain on reverse side)**

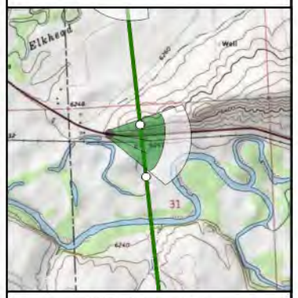
3. Additional mitigating measures recommended ☐ Yes ☐ No **(Explain on reverse side)**

Evaluator's Names	Date
M. Paulson	07/22/2011

Rationale:

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



KOP Location

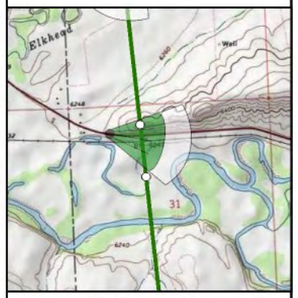
Feet
0 1,400 2,800 5,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-5
U.S. 40
(eastbound)
(Segment 190)

Project Location



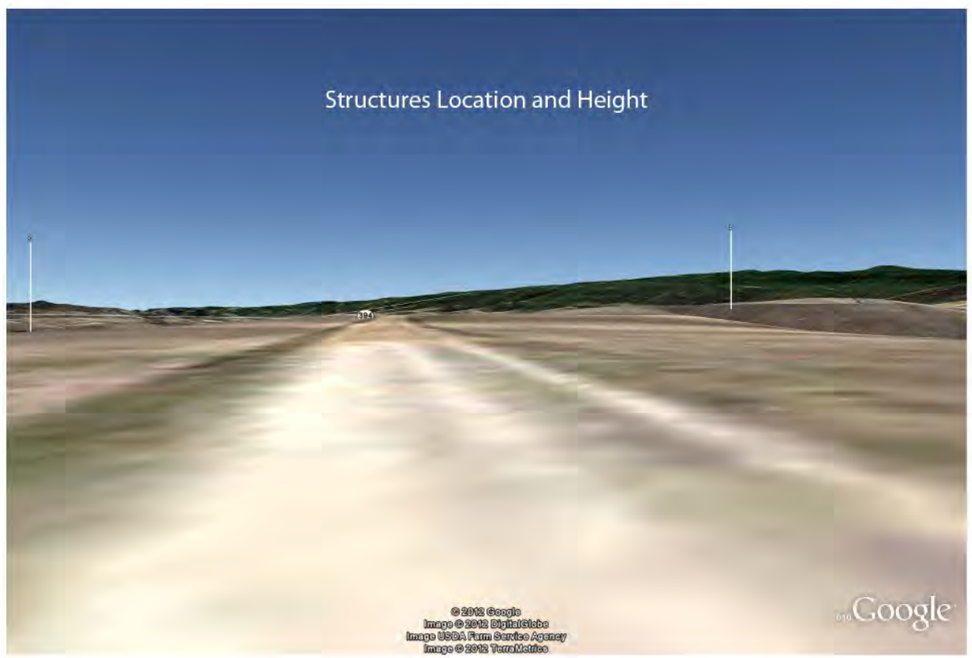
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-5
(Segment 190)
Simulated Condition



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/22/2011
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LS-6
3. VRM Class: III (VRI-III)
4. Location: Colorado SH 394 Southbound; Township 006N; Range 090W; Section 011
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes.	Organic planar surface of grasses and background of pinon-juniper.	Planar foreground roadway. Columnar utility poles and linear fence posts.
LINE	Strong angular skyline. Angular side slopes and foreground ridgeline.	Horizontal grasses and organic clumps of foreground grasses.	Linear horizontal foreground roadway, vertical and horizontal utility poles and vertical fence posts..
COLOR	Very light, medium, and dark grey and brown slopes.	Light tan to brown grasses and dark green pinon-juniper.	Light to medium grey FG roadway, light brown MG roadway and dark brown utility poles and fence posts.
TEX-TURE	Smooth to moderate landforms..	Smooth to coarse grasses and background pinon-juniper.	Smooth paved and medium gravel roadway. Smooth utility poles and fence posts..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☑ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 10/22/2011

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong contrast and would not comply with VRM Class III management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

KOP Location

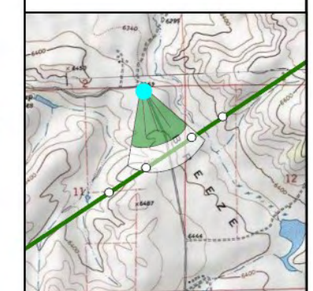
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-6
Color State Hwy 394
(southbound)
(Segment 190)

Project Location



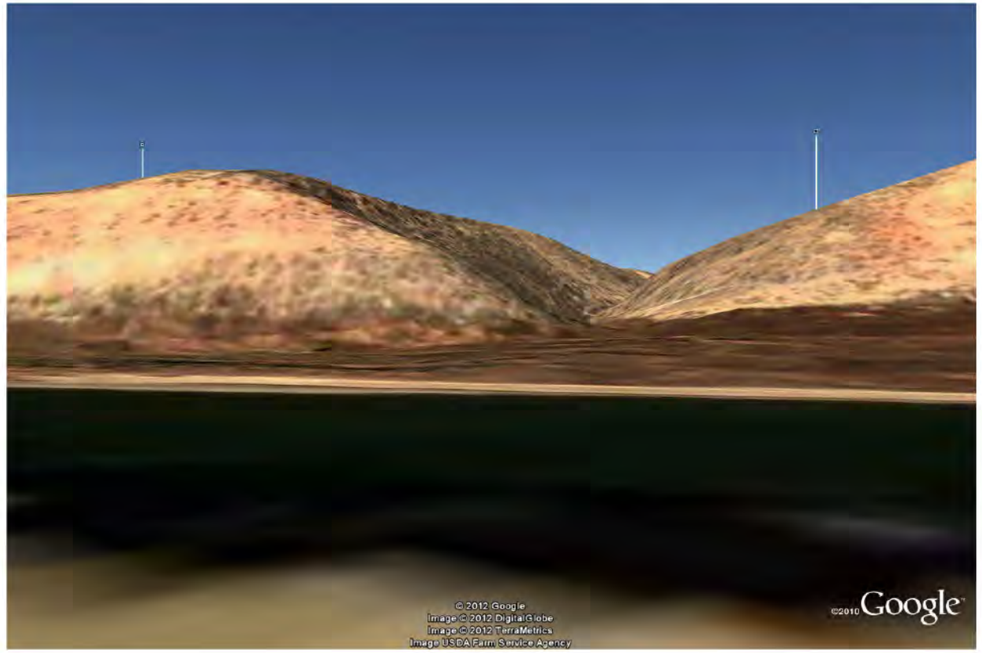
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-6
Simulated Condition
(Segment 190)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/23/2010
District	Little Snake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**4. Location** Yampa River Boat Launch	**5. Location Sketch**
2. Key Observation Point LS-7	**Township** 006N	Please see Figure 3.12-1
3. VRM Class III	**Range** 091W	
	Section 016	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes.	Organic clumps of sagebrush and grasses and foreground riparian shrubs.	
LINE	Strong angular skyline. Angular side slopes and banded rock formations..	Indistinct lines of shrubs and grasses.	
COLOR	Very light, medium, and dark tan and brown slopes. Reddish brown rocks.	Light to medium olive green sagebrush and light to medium reddish brown riparian shrubs.	
TEX-TURE	Smooth to moderate landforms and moderate to coarse rocks..	Smooth to coarse shrubs and grasses.	

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☑ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	10/23/2010

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong contrast and would not comply with VRM Class III management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-7
Yampa River Boat Launch
(Segment 190)

Project Location

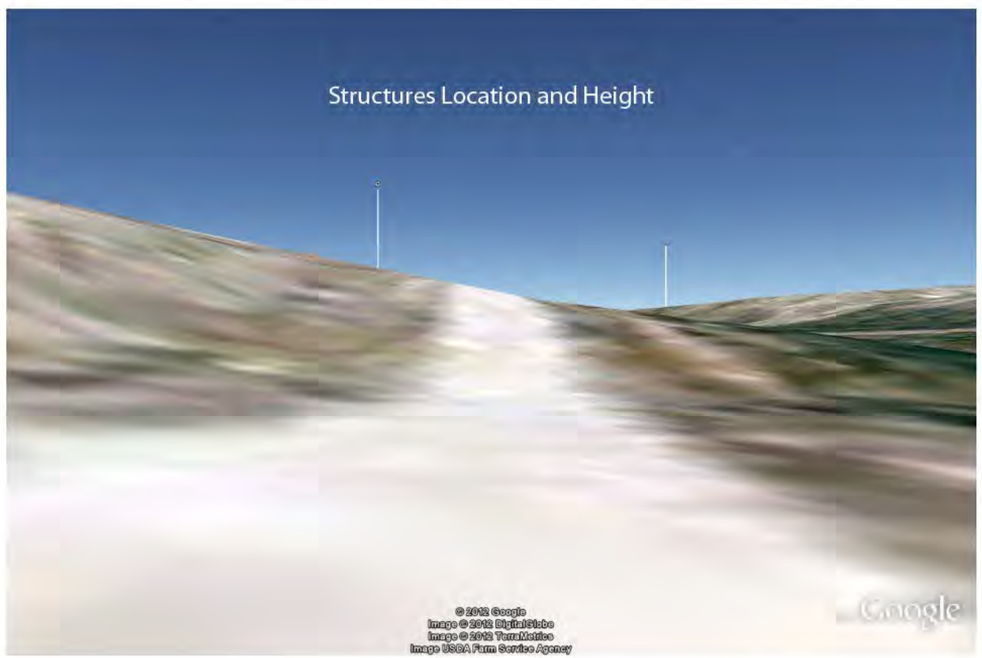
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-7
(Segment 190)
Simulated Condition



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/22/2011
District	Little Snake
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Moffat Rd. 11 Northbound Township 006N Range 092W Section 013	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-8		
3. VRM Class Private		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes.	Organic planar surface of grasses and organic clumps of sagebrush.	Planar foreground roadway. Cuboid residential structures. Columnar irregular fence posts.
LINE	Strong angular skyline. Angular side slopes and foreground ridgeline.	Angular surface of grasses and organic clumps of foreground shrubs and grasses.	Linear horizontal foreground roadway, horizontal and vertical structures, and irregular vertical fence posts..
COLOR	Very light, medium, and dark grey and brown slopes.	Light tan to brown grasses and medium to dark green sagebrush.	Light to medium brown roadway, white and dark grey structures, and dark brown fence posts.
TEX-TURE	Smooth to moderate landform.	Smooth to coarse grasses and sagebrush.	Smooth to medium gravel roadway. Smooth structures, utility poles, and fence posts..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Elements: Line									X			
Elements: Color										X		
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

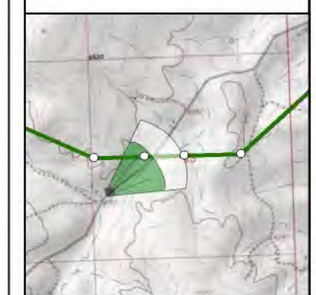
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	07/22/2011

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



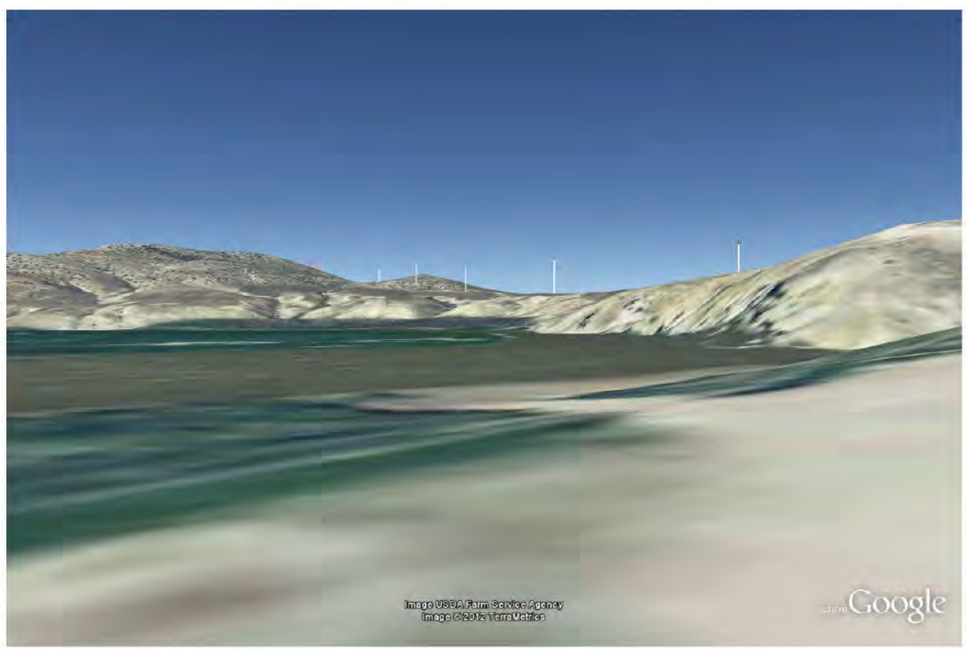
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-8
Moffat Road 11
(northbound)
(Segment 190)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2010
District	Little Snake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Yampa River Boat Launch Township 006N Range 094W Section 017	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-10		
3. VRM Class III (VRI-III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar Yampa River. Planar angular and horizontal ridges. Angular and vertical side slopes and erosion cuts.	Organic shapes of riparian tree, shrubs, and sagebrush and grasses.	Pyramidal 345-kV Transmission Line
LINE	Strong foreground horizontal and curving river. Angular and vertical side slopes.	Indistinct riparian tree, shrubs, and pinon-juniper, sagebrush and grasses.	Vertical 345-kV Transmission Line
COLOR	White to blue river. Light to medium tan to brown landform.	Silvery tan and browns riparian tree, shrubs. Medium grey-green sagebrush, medium tan to brown grasses.	Medium grey 345-kV Transmission Line
TEX-TURE	Coarse water and cliffs. Smooth landform..	Smooth to coarse riparian tree, shrubs, pinon-juniper, sagebrush and grasses.	Smooth Pyramidal 345-kV Transmission Line

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form										X		
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)

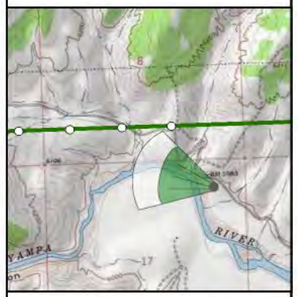
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	10/24/10

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objects. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-6, and VR-7) would further reduce contrasts.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



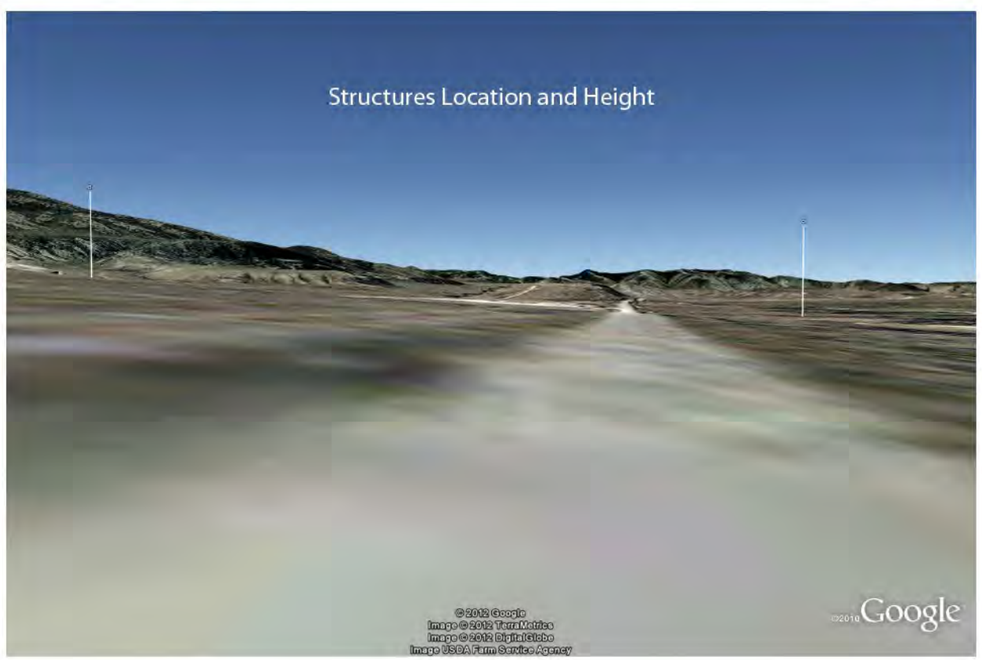
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-10
Yampa River Boat Launch
(Segment 190)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/22/2010
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LS-11
3. VRM Class: IV
4. Location: Deception Cr. Road (southbound); Township 006N; Range 95E; Section 009
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling and angular ridges. Angular side slopes.	Organic clumps of rabbit brush, sagebrush and grasses.	Planar roadway, pyramidal 345-kV transmission line structure and columnar H-frame poles.
LINE	Strong angular ridges and skyline. Angular side slopes.	Indistinct sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical transmission line, H-frame and markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Medium olive green sagebrush. Golden tan to brown rabbit brush and grasses and forbs.	Light to medium grey roadway and transmission line. Light tan to brown H-frame and dark green markers.
TEX-TURE	Smooth to moderate landforms.	Coarse rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, transmission line, H-frame and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 10/22/2010

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

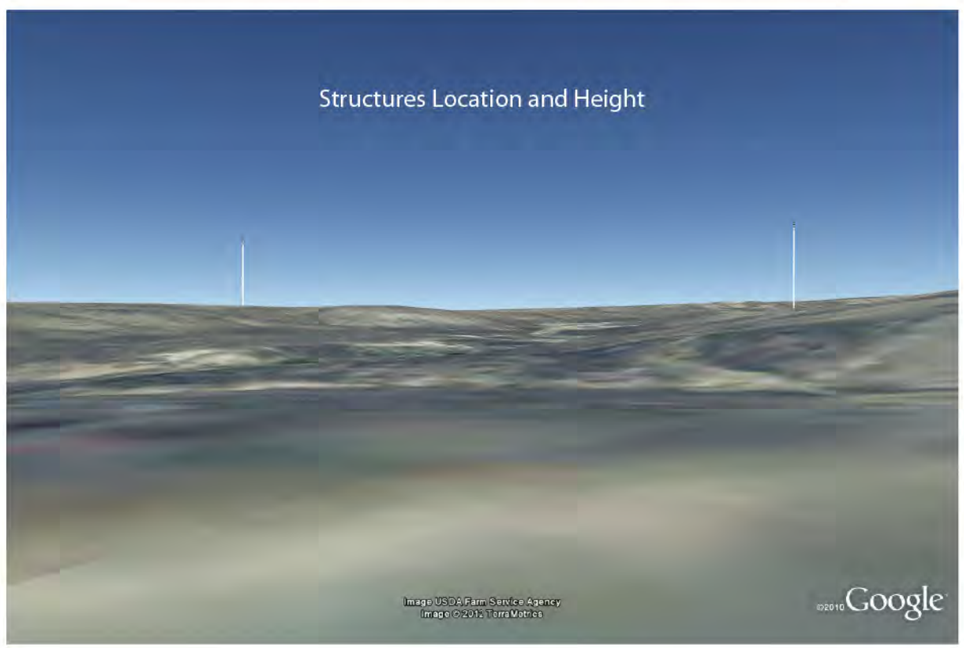
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-11
Deception Creek Road
(southbound)
(Segment 190)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/22/2011
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
LS-14

3. VRM Class
III (VRI Class III)

4. Location Cross Mt.-Yampa River Landing
Township 006N
Range 097W
Section 008

5. Location Sketch
Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar ridges. Angular side slopes and erosion cuts.	Organic clumps of sagebrush, greasewood, and grasses.	Narrow cylindrical poles.
LINE	Strong horizontal skyline. Angular side slopes. Horizontal valley floor.	Indistinct sagebrush and grasses. Meandering greasewood.	Thin vertical poles.
COLOR	Very light, medium, and dark brown exposed eroded slopes.	Bluish silver green sagebrush. Yellowish olive green greasewood. Golden tan to brown grasses.	Dark brown wooden poles.
TEX-TURE	Smooth exposed soils.	Coarse sagebrush. Medium greasewood. Smooth grasses.	Smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form										X		
	Line										X		
	Color										X		
	Texture											X	

2. Does project design meet visual resource management objectives? ☑ Yes ☐ No **(Explain on reverse side)**

3. Additional mitigating measures recommended ☐ Yes ☐ No **(Explain on reverse side)**

Evaluator's Names M. Paulson
Date 07/22/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objects. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-6, and VR-7) would further reduce contrasts.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

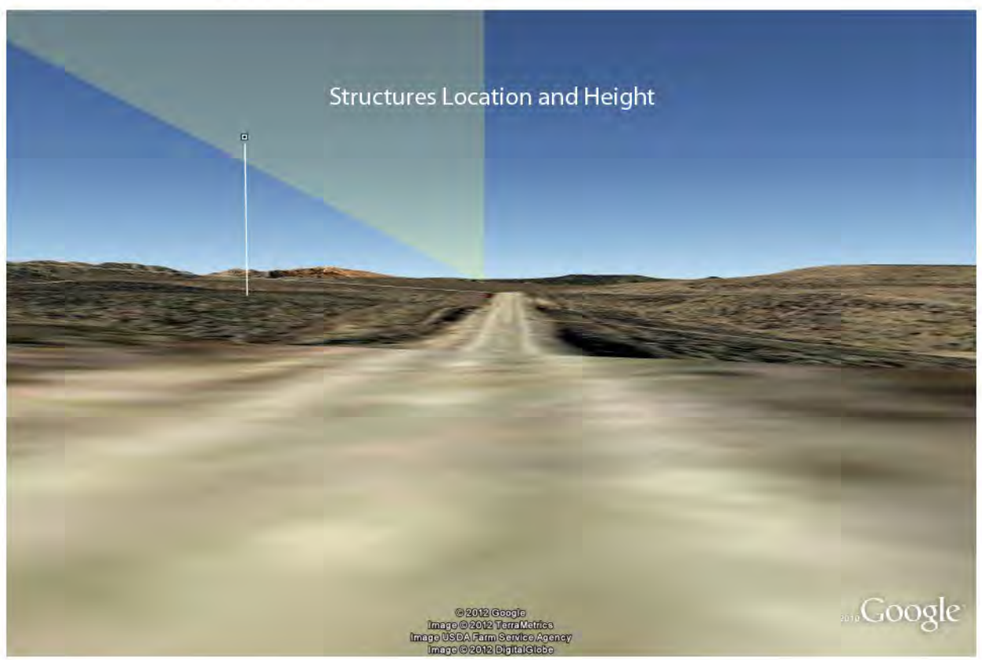
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-14
Cross Mountain
Yampa River Landing
(Segment 180.2)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/22/2011
District	Little Snake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location U.S. 40 (westbound) Township 006N Range 97W Section 033	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-15		
3. VRM Class IV (VRI-III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling, horizontal and angular ridges. Angular side slopes.	Organic clumps of rabbit brush, sagebrush and grasses.	Planar roadway and distant transmission line.
LINE	Strong angular skyline. Angular side slopes.	Indistinct sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical markers and distant transmission line.
COLOR	Very light, medium, and dark tan to brown landforms.	Medium olive green sagebrush. Golden tan to brown grasses and forbs.	Light to medium grey roadway and transmission line and dark green markers.
TEX-TURE	Smooth to moderate landforms.	Coarse sagebrush. Smooth to coarse grasses.	Smooth to medium roadway and transmission line and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form										X		
	Line										X		
	Color										X		
	Texture											X	

2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)

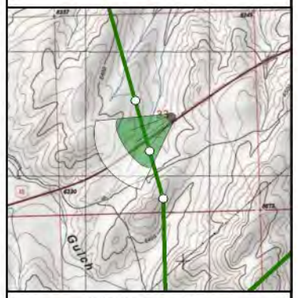
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	07/22/2011

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-15
U.S. 40
(westbound)
(Segment 180.2)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/22/2011
District	Little Snake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location U.S. 40 (eastbound) Township 006N Range 97W Section 033	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-16		
3. VRM Class IV (VRI-III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling and horizontal ridges and angular road cut. Angular side slopes.	Organic clumps of rabbit brush, sagebrush and grasses.	Planar roadway.
LINE	Strong angular, nearly horizontal, skyline. Angular side slopes.	Indistinct sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Medium olive green sagebrush. Golden tan to brown rabbit brush and grasses and forbs.	Light to medium grey roadway and dark green markers.
TEX-TURE	Smooth to moderate landforms.	Coarse rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form									X			
	Line										X		
	Color										X		
	Texture											X	

2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)

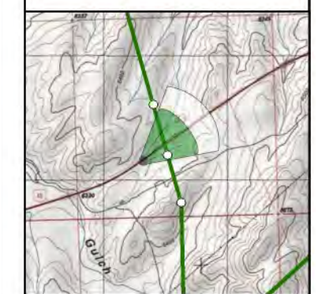
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	07/22/2011

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



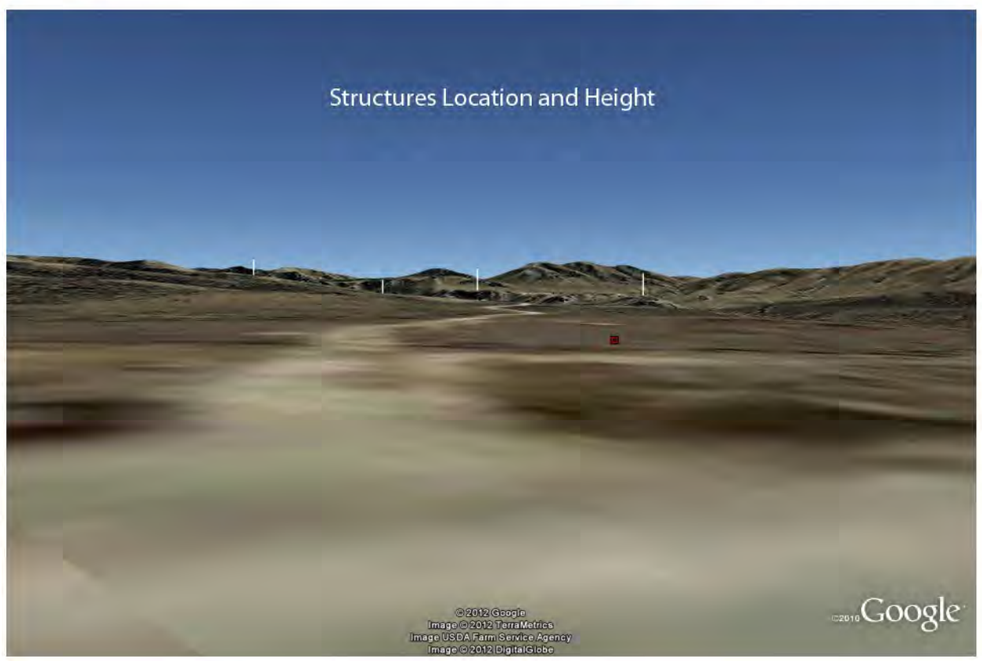
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-16
U.S. 40
(eastbound)
(Segment 180.2)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/22/2011
District	Little Snake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location U.S. 40 and Dinosaur NM Rd. Township 005N Range 098W Section 012	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-19		
3. VRM Class IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling and angular ridges. Angular side slopes.	Organic clumps of rabbit brush, sagebrush and grasses.	Planar roadway, pyramidal 345-kV transmission line and octagonal stop sign..
LINE	Strong angular and skyline. Angular side slopes.	Indistinct sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical transmission line, stop sign and marker.
COLOR	Very light, medium, and dark tan to brown landforms.	Medium olive green sagebrush. Golden tan to brown rabbit brush and grasses and forbs.	Light to medium grey roadway and transmission line, red and yellow stop sign and dark green marker.
TEX-TURE	Smooth to moderate landforms.	Coarse rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, transmission line and marker.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form										X		
	Line										X		
	Color										X		
	Texture											X	

2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	07/22/2011

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

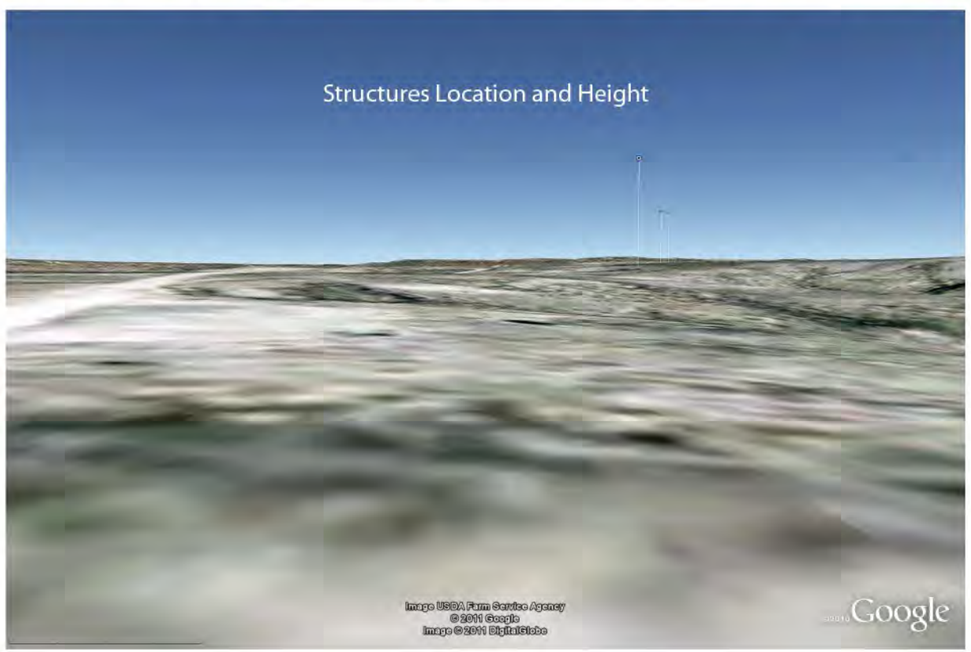
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-19
U.S. 40 and
Dinosaur NM Road
(Segment 100)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/23/2011
District	Little Snake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Sand Wash Basin Rd. 75 Northbound Township 009N Range 097W Section 29	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-20		
3. VRM Class III (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes.	Organic planar surface of grasses and organic clumps of pinyon-juniper and sagebrush.	Planar roadway.
LINE	Strong angular skyline. Angular side slopes and foreground ridgeline.	Angular surface of grasses and organic clumps of foreground shrubs and grasses.	Linear horizontal roadway.
COLOR	Very light, medium, and dark grey and brown slopes.	Light tan to brown grasses and medium to dark green pinyon-juniper and sagebrush.	Light to medium tan roadway.
TEX-TURE	Smooth to moderate landform.	Smooth to coarse grasses and sagebrush.	Smooth gravel roadway.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		ROW clearing of pinyon-juniper planar forms.	Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE		ROW clearing of pinon-juniper	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form							X		X			
	Line							X		X			
	Color							X			X		
	Texture							x				x	

2. Does project design meet visual resource management objectives? ☐ Yes ☑ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	10/23/11

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

KOP Location

0 1,800 3,600 7,200 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-20
Sand Wash Basin Rd. 75
(northbound)
(Segment 180.2)

Project Location

KOP Location

Feet
0 1,800 3,600 7,200

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-20
Mitigated Condition
(Segment 180.2)

Project Location

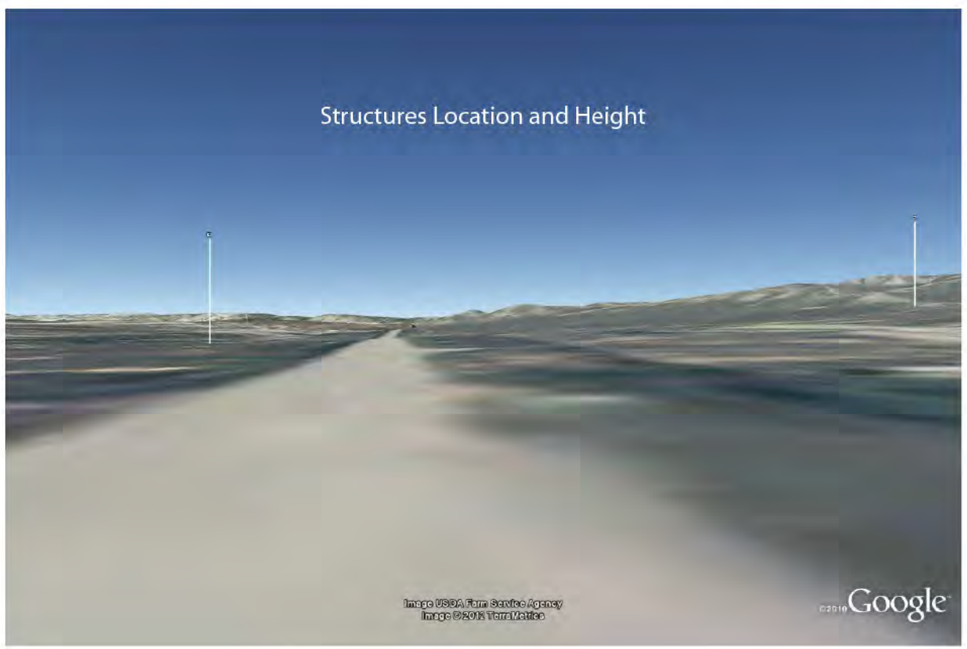
KOP Location

0 1,800 3,600 7,200 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-20
Simulated Condition
(Segment 180.2)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/22/2010

District Little Snake FO

Resource Area

Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
LS-21

3. VRM Class
Private

4. Location Deception Cr. Road (northbound)
Township 006N
Range 095W
Section 016

5. Location Sketch
Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling and angular ridges. Angular side slopes.	Organic clumps of rabbit brush, sagebrush and grasses.	Planar roadway, pyramidal 345-kV transmission line structure and columnar H-frame poles.
LINE	Strong angular ridges and skyline. Angular side slopes.	Indistinct sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical transmission line, H-frame and markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Medium olive green sagebrush. Golden tan to brown rabbit brush and grasses and forbs.	Light to medium grey roadway and transmission line. Light tan to brown H-frame and dark green markers.
TEX-TURE	Smooth to moderate landforms.	Coarse rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, transmission line, H-frame and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form										X		
	Line										X		
	Color											X	
	Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 10/22/2010

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

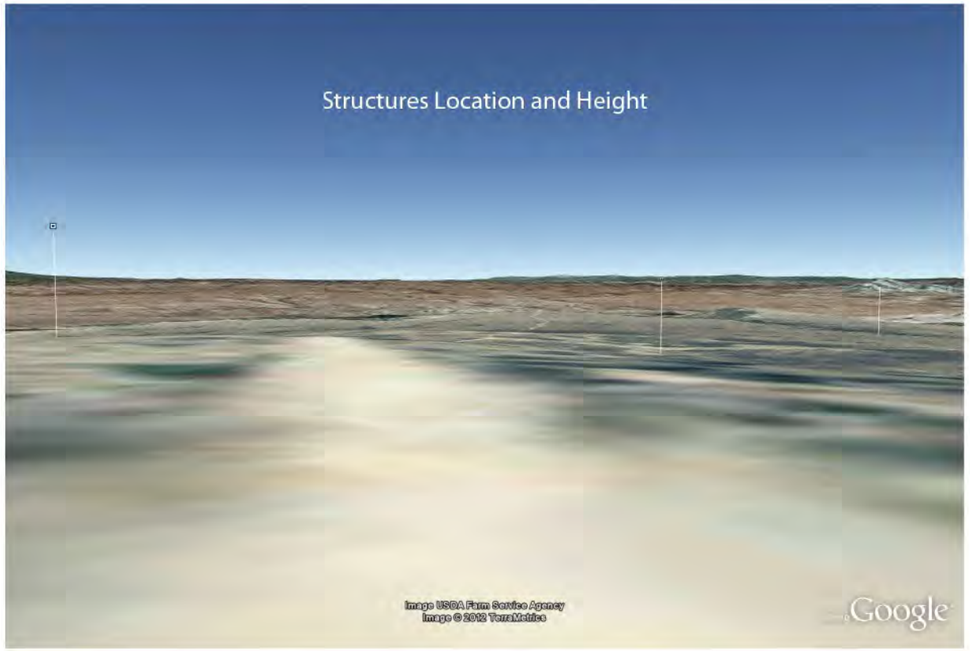
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-21
Deception Creek Road
(northbound)
(Segment 190)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	08/04/2012
District	Little Snake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Sand Wash Basin Rd. 66 Eastbound Township 10N Range 097W Section 3	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-27		
3. VRM Class Private		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes.	Organic planar surface of grasses and organic clumps of pinyon-juniper and sagebrush.	Planar gravel roadway.
LINE	Strong angular skyline. Angular side slopes and foreground ridgeline.	Angular surface of grasses and organic clumps of foreground shrubs and grasses.	Linear horizontal roadway.
COLOR	Very light, medium, and dark grey and brown slopes.	Light tan to brown grasses and medium to dark green pinyon-juniper and sagebrush.	Light to medium tan roadway.
TEX-TURE	Smooth to moderate landform.	Smooth to coarse grasses and sagebrush.	Smooth gravel roadway.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		ROW clearing of pinyon-juniper planar forms.	Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE		ROW clearing of pinon-juniper	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Tan grasses in ROW clearing	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth texture in ROW clearing	Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form						X			X			
Elements: Line							X		X			
Elements: Color							X			X		
Elements: Texture							X				X	

2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

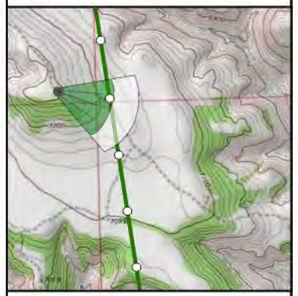
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	08/04/12

Rationale:

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



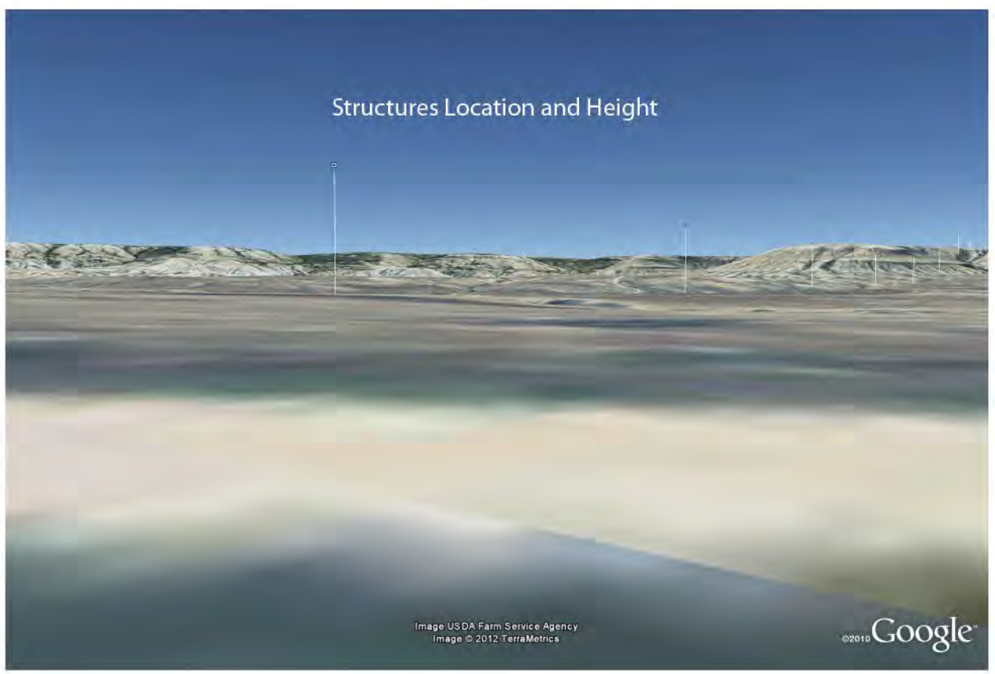
KOP Location

0 1,375 2,750 5,500 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-27
Sandwash Basin Rd 66
(eastbound)
(Segment 186)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/04/2012
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LS-28
3. VRM Class: (Class III)
4. Location: BLM Rd. 21 (NB) and Residential; Township 8N; Range 97W; Section 1
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes.	Organic planar surface of grasses and organic clumps of pinyon-juniper and sagebrush.	Planar gravel roadway and cubed structures.
LINE	Strong angular skyline. Angular side slopes and foreground ridgeline.	Angular surface of grasses and organic clumps of foreground shrubs and grasses.	Linear horizontal roadway and vertical and horizontal residential structures.
COLOR	Very light, medium, and dark grey and brown slopes.	Light tan to brown grasses and medium to dark green pinyon-juniper and sagebrush.	Light to medium tan roadway and light tan, dark brown and dark green residential structures.
TEX-TURE	Smooth to moderate landform.	Smooth to coarse grasses and sagebrush.	Smooth gravel roadway and residential structures.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING SHORT TERM LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form									x			
	Line									x			
	Color										x		
	Texture											x	

2. Does project design meet visual resource management objectives? ☐ Yes ☑ No (Explain on reverse side)

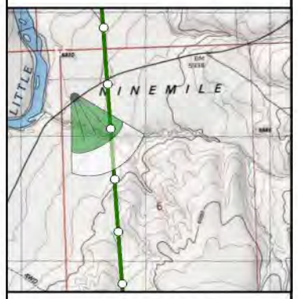
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 08/04/12

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong contrast and would not comply with VRM Class III management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location



KOP Location

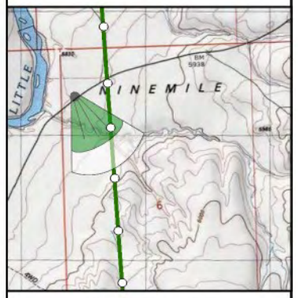
Feet
0 1,500 3,000 6,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-28
BLM Road 21 (northbound)
Residential
(Segment 186)

Project Location



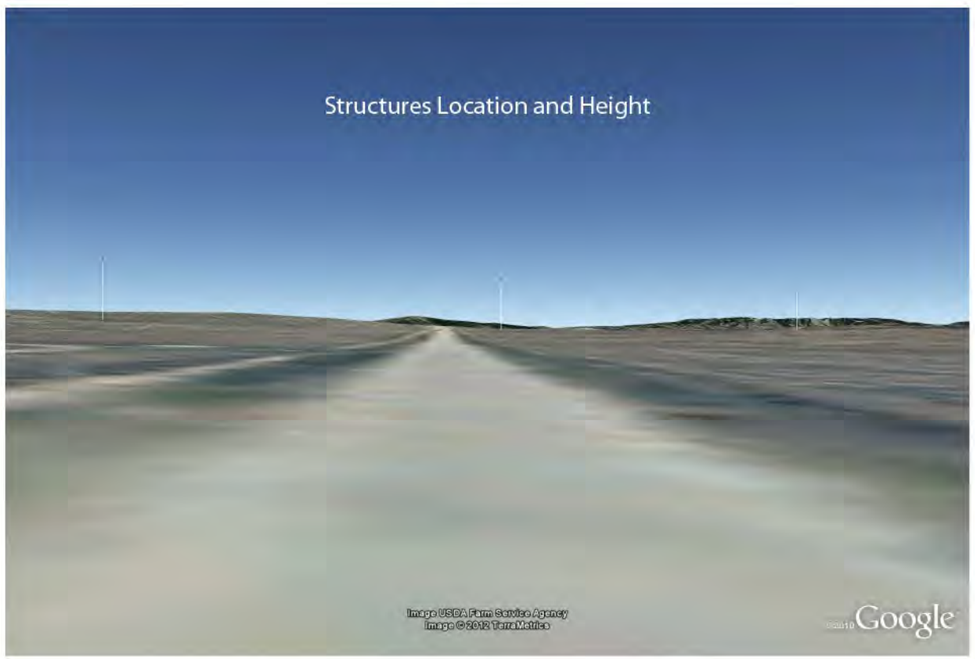
KOP Location

0 1,500 3,000 6,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-28
Simulated Condition
(Segment 186)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/04/2012
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
LS-29

3. VRM Class
III (VRI-III)

4. Location Colorado SH 318 (eastbound)
Township 7N
Range 97W
Section 12

5. Location Sketch
Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling, horizontal and angular ridges. Angular side slopes.	Organic clumps of rabbit brush, sagebrush and grasses.	Planar roadway and small distribution line.
LINE	Strong angular skyline. Angular side slopes.	Indistinct sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical distribution line.
COLOR	Very light, medium, and dark tan to brown landforms.	Medium olive green sagebrush. Golden tan to brown grasses and forbs.	Light to medium grey roadway and dark brown poles.
TEX-TURE	Smooth to moderate landforms.	Coarse sagebrush. Smooth to coarse grasses.	Smooth roadway.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form									X			
	Line									X			
	Color										X		
	Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☑ No (Explain on reverse side)

3. Additional mitigating measures recommended ☑ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 07/22/2011

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong contrast and would not comply with VRM Class III management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

KOP Location

0 1,650 3,300 6,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-29
Colorado State Hwy 318
(eastbound)
(Segment 186)

Project Location

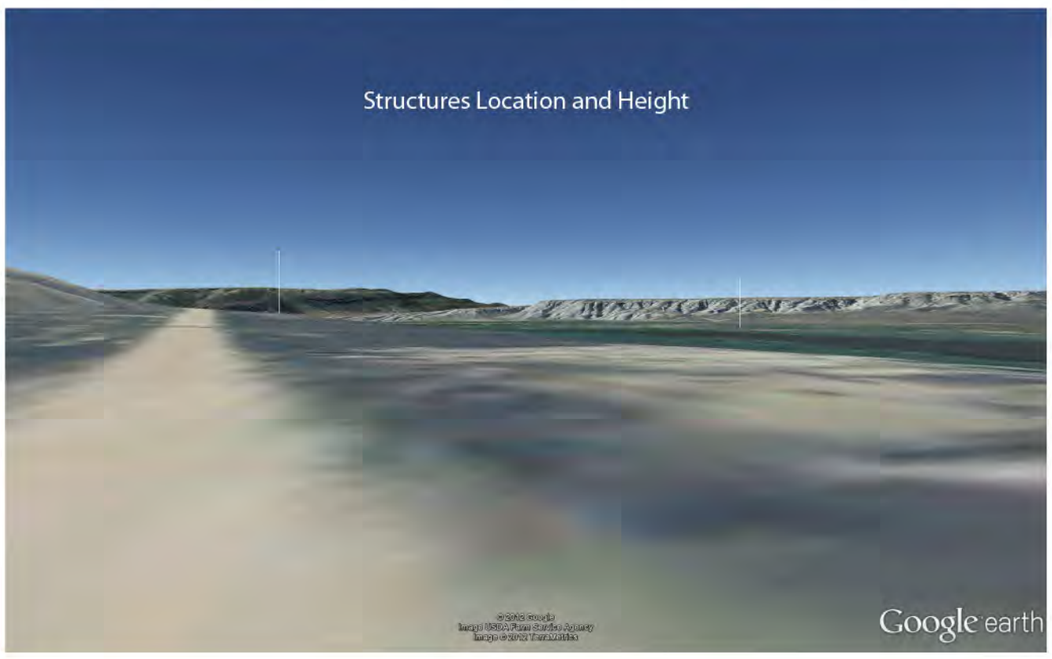
KOP Location

0 1,650 3,300 6,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-29
Simulated Condition
(Segment 186)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	08/04/2012
District	Rawlins FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location BLM Rd. 23 / Yampa River Township 7N Range 97W Section 28	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point LS-30		
3. VRM Class III		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar Yampa River. Planar angular and horizontal ridges. Angular side slopes and erosion cuts.	Organic shapes of riverside shrubs, sagebrush and grasses and blanket of PJ on the side slopes.	NA
LINE	Strong foreground horizontal and curving river. Angular side slopes.	Curvilinear cottonwoods, olives, pinon-juniper, sagebrush and grasses.	NA
COLOR	White to blue river. Medium tan to brown landform.	Green cottonwoods, silvery grey green, bright green riverside shrubs. Medium grey-green sagebrush, medium green, tan to brown grasses.	NA
TEX-TURE	Coarse water. Smooth landform..	Smooth to coarse pinon-juniper, sagebrush and grasses.	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☐ Yes ☑ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	08/04/2012

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong contrast and would not comply with VRM Class III management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

KOP Location

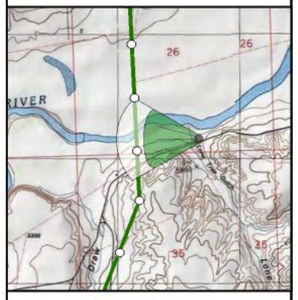
0 1,500 3,000 6,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-30
BLM Road 23
Yampa River
(Segment 186)

Project Location



KOP Location

0 1,500 3,000 6,000 Feet

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-30
Simulated Condition
(Segment 186)

Project Location

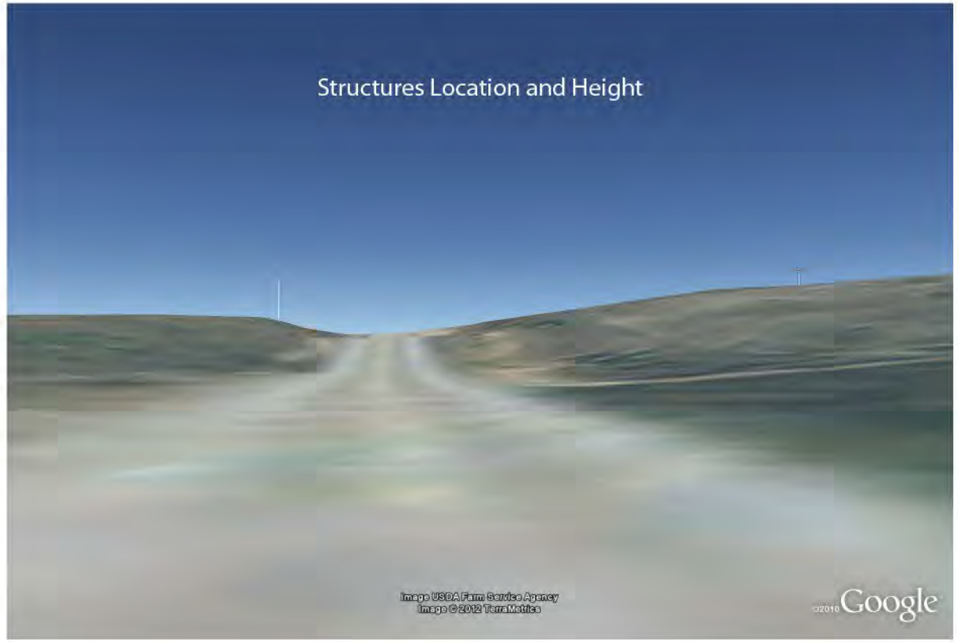
KOP Location

0 1,500 3,000 6,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-30
Cumulative Condition
(Segment 186)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/04/2012
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LS-31
3. VRM Class: IV (VRI-III)
4. Location: U.S. 40 (westbound); Township 6N; Range 97W; Section 33
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling, horizontal and angular ridges. Angular side slopes.	Organic clumps of rabbit brush, sagebrush and grasses.	Planar roadway and distant transmission line.
LINE	Strong angular skyline. Angular side slopes.	Indistinct sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical markers and distant transmission line.
COLOR	Very light, medium, and dark tan to brown landforms.	Medium olive green sagebrush. Golden tan to brown grasses and forbs.	Light to medium grey roadway and transmission line and dark green markers.
TEX-TURE	Smooth to moderate landforms.	Coarse sagebrush. Smooth to coarse grasses.	Smooth to medium roadway and transmission line and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Course steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Elements: Line									X			
Elements: Color										X		
Elements: Texture											X	

2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)

3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 07/22/2011

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

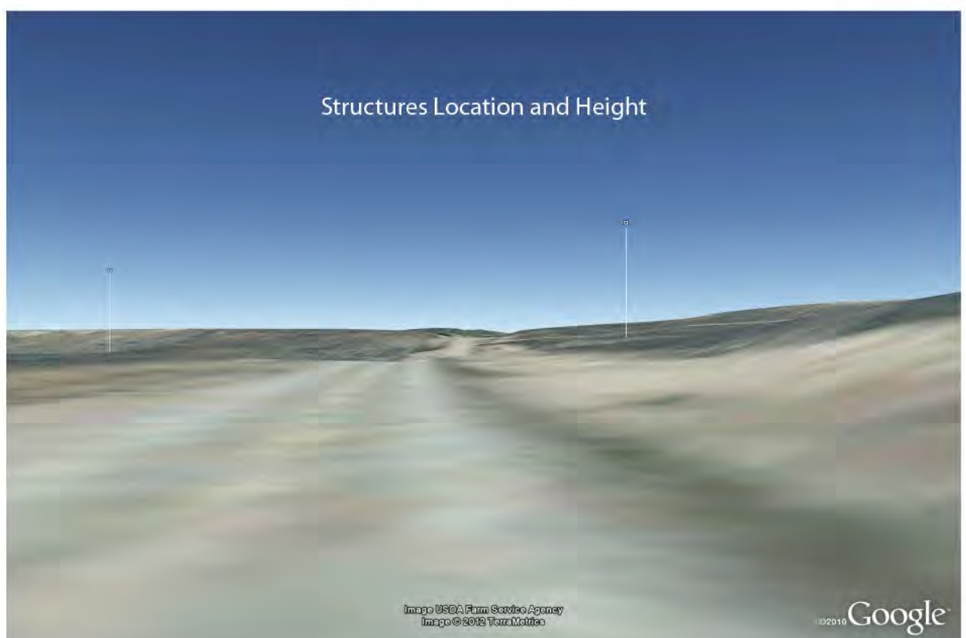
KOP Location

Feet
0 1,500 3,000 6,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-31
U.S. 40 (westbound)
(Segment 186)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/04/2012
District Little Snake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LS-32
3. VRM Class: IV (VRI-III)
4. Location: U.S. 40 (eastbound)
Township 006N
Range 97W
Section 033
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling and horizontal ridges and angular road cut. Angular side slopes.	Organic clumps of rabbit brush, sagebrush and grasses.	Planarroadway.
LINE	Strong angular, nearly horizontal, skyline. Angular side slopes.	Indistinct sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Mediumolive green sagebrush.Goldentan to brown rabbit brush and grasses and forbs.	Light to medium grey roadway and dark green markers.
TEX-TURE	Smoothto moderate landforms.	Coarse rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coursesteel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form									X			
Line									X			
Color										X		
Texture											X	

2. Does project design meet visual resource management objectives? Yes ☑ No ☐ (Explain on reverse side)

3. Additional mitigating measures recommended ☐ ; ☐ (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	07/22/2011

Rationale:
The Project would be consistent with VRM Class IV management objectives. This management objective allows for strong (and all other) contrasts in the landscape.

Please refer to the table at the beginning of this Appendix for visual contrast rating analysis criteria and evaluations for this KOP.

Project Location

KOP Location

Feet
0 1,500 3,000 6,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP LS-32
U.S. 40 (eastbound)
(Segment 186)