KOP Figures

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/26/2011
District Moab FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: ANP-1
3. VRM Class: Private
4. Location: Arches NP, Devil's Garden CG, Township 23S, Range 241E, Section 27
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Red rock formations. Planar ridgeline. Irregular and rounded background mesas.	Scattered clumps of trees, grasses and forbs.	Foreground paved roadway and campground features.
LINE	Irregular ridgeline.	Irregular edges of trees, shrubs and grasses.	Horizontal.
COLOR	Red rocks. Light to medium light to medium red, brown and grey rock and soil.	Light tan to medium and dark olive greens and browns.	Light to medium grey.
TEXTURE	Smooth rock to coarse landforms.	Smooth, moderate 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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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

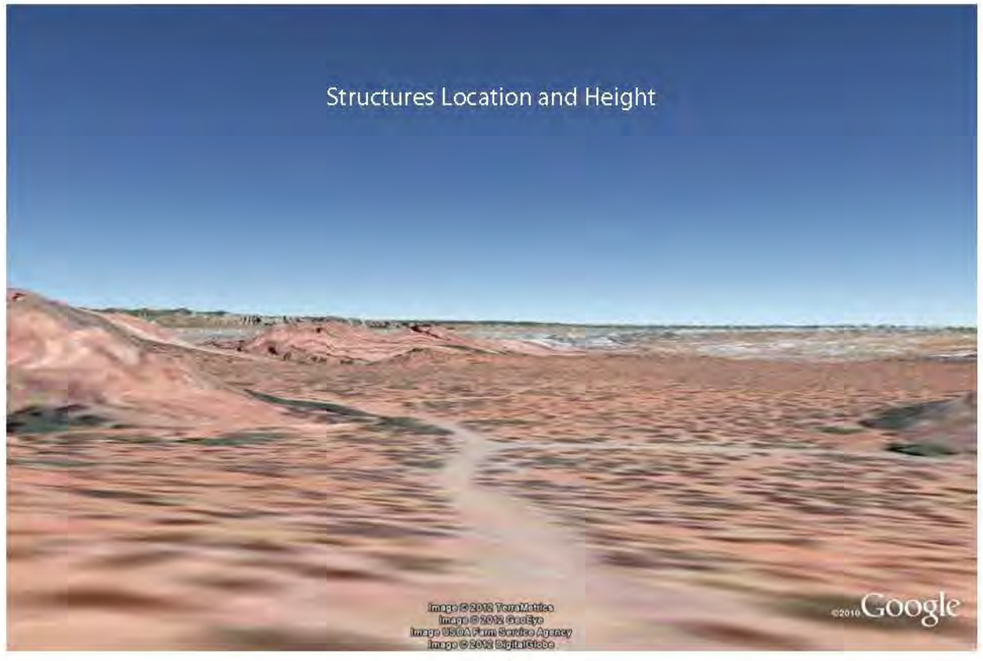
KOP Location

0 15,500 31,000 62,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP ANP-1
Arches National Park
Devil's Garden Campground
(Segment 1220)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/26/2011
District Moab FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
ANP-2

3. VRM Class
Private

4. Location Arches NP
Landscape Arch Tr.
Township 23S
Range 21E
Section 27

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Red rock formations. Planar ridgeline. Irregular and rounded background mesas.	Scattered clumps of trees, grasses and forbs.	Foreground trail.
LINE	Irregular ridgeline.	Irregular edges of trees, shrubs and grasses.	Curvilinear.
COLOR	Red rocks. Light to medium light to medium red, brown and grey rock and soil.	Light tan to medium and dark olive greens and browns.	Light to medium reddish tan.
TEXTURE	Smooth rock to coarse landforms.	Smooth, moderate 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.
TEXTURE			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

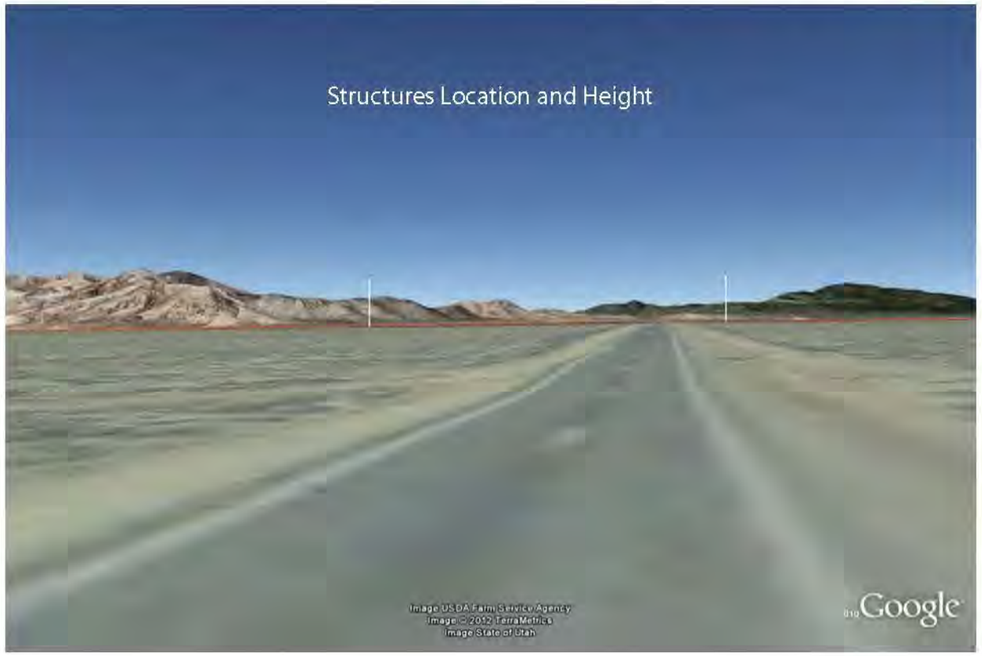
KOP Location

0 15,500 31,000 62,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP ANP-2
Arches National Park
Landscape Arch Trail
(Segment 1220)



Form 8-400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: CC-1
3. VRM Class: IV
4. Location: Utah SH 21 (WB)
   Township: T28S
   Range: 11W
   Section: 2
5. Location Sketch: Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains and wide valley floor.	Planar blanket of sagebrush and grasses.	Planar roadway lanes. Pyramidal steel lattice T-line.
LINE	Horizontal valley and angular ridgelines.	Irregular sagebrush and grass patterns.	Vertical T-lines, utility poles and fence posts. Curvilinear conductors.
COLOR	Light to medium reddish tan.	Light to medium silvery green sagebrush and light tan grasses.	Light to medium grey and brown T-lines and fence posts.
TEXTURE	Smooth landforms.	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.
TEXTURE			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: 08/19/2011

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

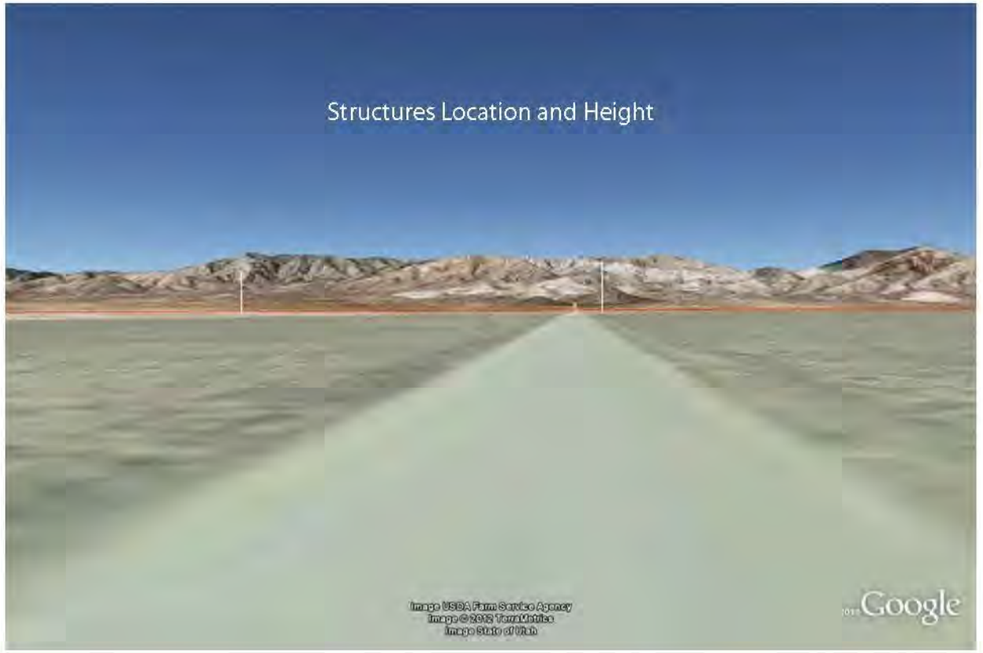
KOP Location

0 1,500 3,000 6,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-1
Utah State Highway 21
(westbound)
(Segment 1480)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-2

3. VRM Class
IV (VRI Class IV)

4. Location Milford Recreation Rd. (WB)
Township 28S
Range 11W
Section 11

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains and wide valley floor.	Planar blanket of grasses with scattered clumps of sagebrush.	Planar roadway. Pyramidal steel lattice T-line.
LINE	Horizontal valley and angular ridgelines.	Irregular grass patterns.	Vertical T-line and curvilinear conductors.
COLOR	Light to medium reddish tan.	Light to medium silvery green sagebrush and light tan grasses.	Light, medium and dark grey T-line.
TEXTURE	Smooth landforms.	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.
TEXTURE			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: 08/19/2011

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 CC-2
Milford Recreation Road
(westbound)
(Segment 1480)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express
2. Key Observation Point
CC-3
3. VRM Class
IV
4. Location Milford Recreation Rd. (WB)
Township 30S
Range 12W
Section 31
5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains and wide valley floor.	Planar blanket of sagebrush with scattered clumps of grasses.	Planar roadway. Pyramidal steel lattice T-line. Low-lying agricultural buildings
LINE	Horizontal valley and angular ridgelines.	Irregular sagebrush and grass patterns.	Vertical T-line and curvilinear conductors.
COLOR	Light to medium reddish tan.	Light to medium silvery green sagebrush and light tan grasses.	Light, medium and dark grey T-line and buildings.
TEX-TURE	Smooth landforms.	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.

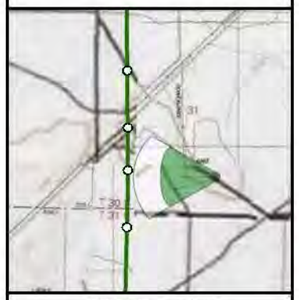
SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)
	LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)				3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	
Elements: Form										X			Evaluator's Names: M. Paulson — Date: 08/19/2011
Line										X			
Color										X			
Texture											X		

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



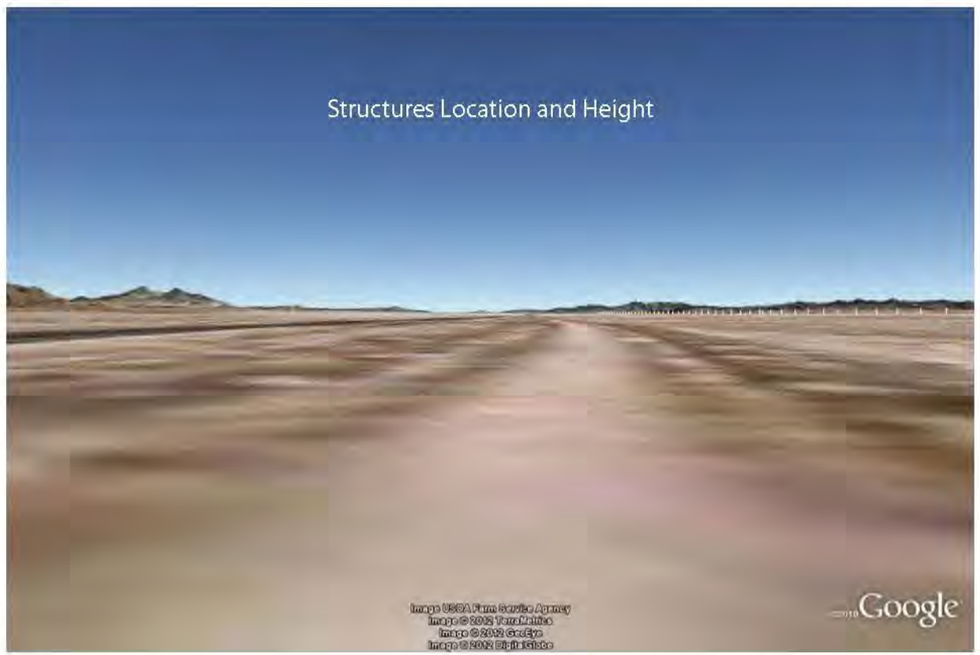
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-3
Milford Recreation Road
(westbound)
(Segment 1480)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-4

3. VRM Class
IV

4. Location Near Lund Recreation Rd. (NB)
Township 33S
Range 15W
Section 1

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains and wide valley floor.	Planar blanket of grasses.	Planar roadway. Columnar wooden pole utility
LINE	Horizontal valley and angular ridgelines.	Irregular grass patterns.	Horizontal roadway, railroad, and vertical T-line.
COLOR	Light to medium reddish tan.	Light tan grasses.	Light, medium and dark brown roadway, railroad, and T-line.
TEXTURE	Smooth landforms.	Smooth and medium.	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.
TEXTURE			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												

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: 08/19/2011

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 6,000 12,000 24,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-4
Near Lund Recreation Rd.
(northbound)
(Segment 1490)

Western Area Power Administration

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-5

3. VRM Class
IV

4. Location East Antelope Rd. (WB)
Township 35S
Range 14W
Section 5

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains and wide valley floor.	Planar blanket of grasses with scattered clumps of pinyon-juniper and sagebrush.	Planar roadway. Pyramidal steel lattice T-line. Planar H-frames. Indistinct ranch buildings.
LINE	Horizontal valley and angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Vertical and horizontal T-line and curvilinear conductors. Horizontal, meandering roadway.
COLOR	Light to medium reddish tan.	Light to medium silvery green sagebrush, dark green pinyon-juniper and light tan and medium green grasses.	Light, medium and dark grey and dark brown t-lines and light grey buildings.
TEXTURE	Smooth landforms.	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.
TEXTURE			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 08/19/2011

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 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-5
East Antelope Road
(westbound)
(Segment 1500.02)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-6

3. VRM Class
IV

4. Location Utah SH 56 (WB)
Township 36S
Range 15W
Section 15

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains and wide valley floor.	Planar blanket of grasses with scattered clumps of pinyon-juniper, deciduous trees and shrubs.	Planar roadway. Pyramidal steel lattice T-line. Planar H-frames. Indistinct Newcastle buildings.
LINE	Horizontal valley and angular ridgelines.	Irregular pinyon-juniper, deciduous trees, sagebrush and grass patterns.	Vertical and horizontal T-line and curvilinear conductors. Horizontal, rolling roadway.
COLOR	Light to medium reddish tan.	Dark green pinyon-juniper, deciduous trees, and light tan and medium green grasses.	Light, medium and dark grey and dark brown T-lines and light to medium grey buildings.
TEXTURE	Smooth landforms.	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.
TEXTURE			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: 08/19/2011

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

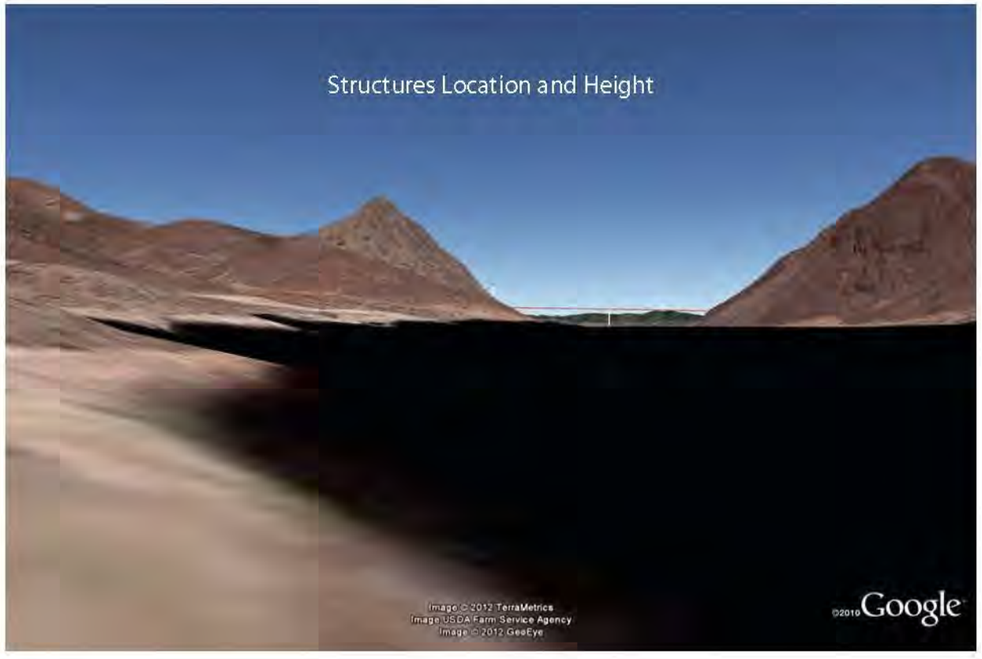
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-6
Utah State Highway 56
(westbound)
(Segment 1500.02)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-7

3. VRM Class
III

4. Location Newcastle Reservoir Boat Launch
Township 36S
Range 15W
Section 22

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar dam. Angular mountains. Horizontal water form.	Planar blanket of grasses and shrubs, with scattered clumps of pinyon-juniper.	Cylindrical utility poles. Planar dam structure.
LINE	Horizontal water and dam, and angular ridgelines.	Irregular pinyon-juniper, deciduous trees, sagebrush and grass patterns.	Vertical utility poles. Horizontal dam structure.
COLOR	Blue water. Light to medium to dark greyish tan and brown rock formations and dam structure.	Dark green pinyon-juniper and light tan and medium green shrubs.	Light to medium to dark greyish tan and brown dam structure. Dark brown utility poles.
TEXTURE	Smooth water and smooth, medium, and coarse landforms.	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.
TEXTURE			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 08/19/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, 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 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-7
Newcastle Reservoir
Boat Launch
(Segment 1500.05)

Western Area Power Administration

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORK SHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-8

3. VRM Class
III

4. Location Utah SH 56 (EB)
Township 36S
Range 15W
Section 16

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains and rolling foothills.	Scattered clumps of pinyon-juniper, shrubs, and grasses.	Planar roadway. Pyramidal steel lattice T-line. Planar H-frames.
LINE	Horizontal foothills and angular ridgelines.	Irregular pinyon-juniper sagebrush and grass patterns.	Vertical and horizontal T-line and curvilinear conductors. Horizontal roadway.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper and light tan grasses and medium silvery green sagebrush.	Light, medium and dark grey and dark brown T-lines and light to medium grey roadway
TEXTURE	Smooth to medium landforms.	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.
TEXTURE			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 08/19/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, 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

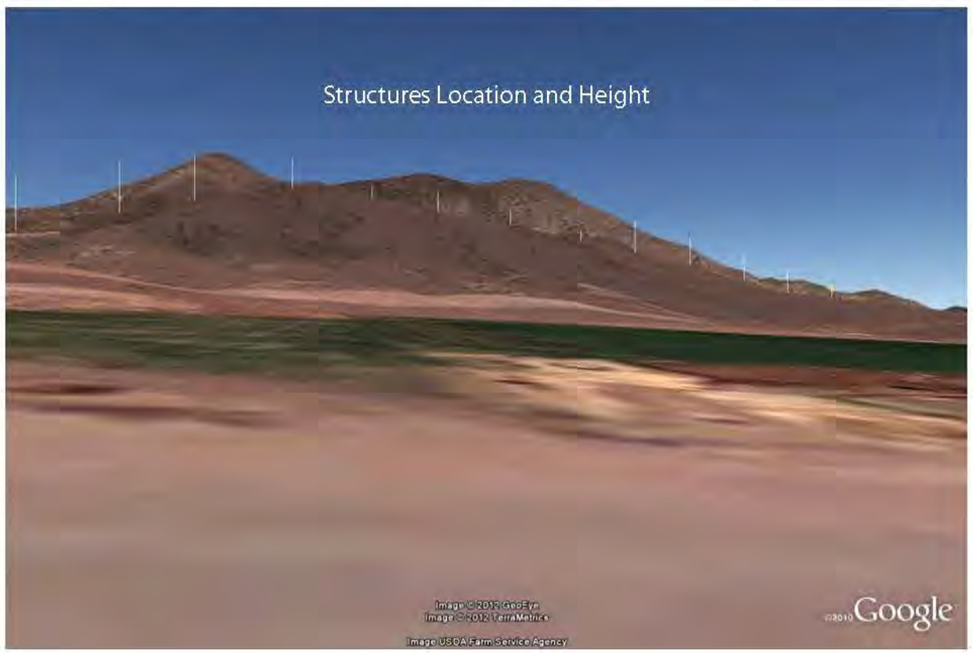
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-8
Utah State Hwy 56
(eastbound)
(Segment 1500.02)

Western Area Power Administration



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-9

3. VRM Class
III

4. Location Newcastle
Residential
Township 36S
Range 15W
Section 16

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains, rock formations, and rolling foothills.	Scattered clumps of pinyon-juniper, shrubs, and blanket of grasses.	Pyramidal steel lattice T-line. Planar H-frames. Cylindrical fence posts.
LINE	Angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Vertical and horizontal t-line and curvilinear conductors. Vertical fence posts.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper and light tan grasses and medium silvery green sagebrush.	Light, medium and dark grey and dark brown T-lines. Light to medium grey fence posts.
TEXTURE	Smooth to medium landforms.	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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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 08/19/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, 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

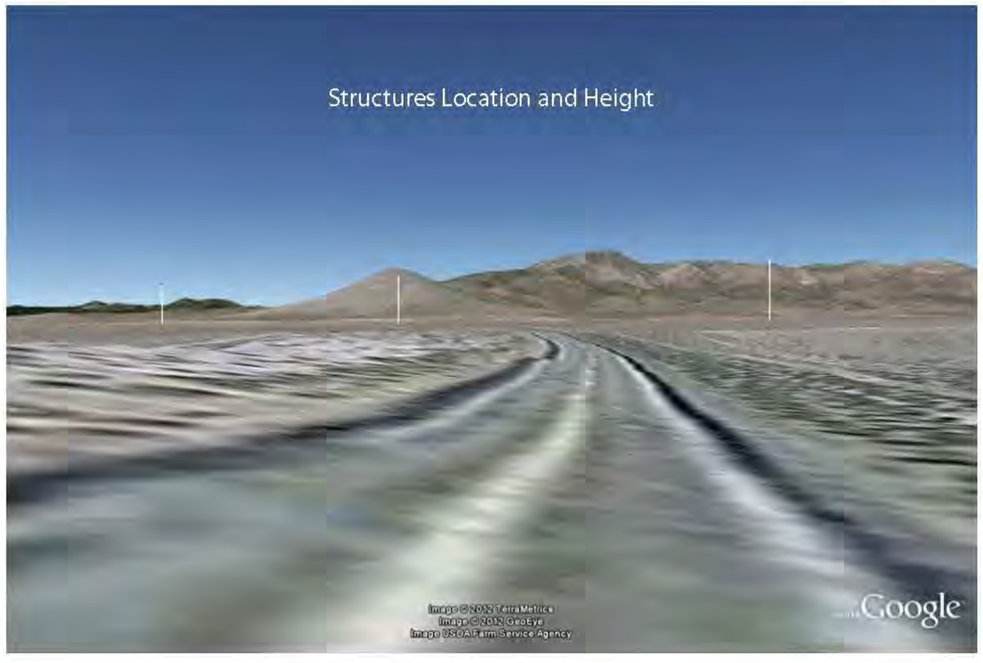
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-9
Newcastle Residential
(Segment 1500.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-10

3. VRM Class
IV (VRI Class IV)

4. Location Utah SH-56 (WB)
Township 34S
Range 18W
Section 31

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains, rock formations, and rolling foothills.	Scattered clumps of pinyon-juniper, shrubs, and blanket of grasses.	Pyramidal steel lattice T-line. Planar H-frames. Cylindrical fence posts.
LINE	Angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Vertical and horizontal T-line and curvilinear conductors. Vertical fence posts.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper and light tan grasses and medium silvery green sagebrush.	Light, medium and dark grey and dark brown T-lines. Light to medium grey fence posts.
TEXTURE	Smooth to medium landforms.	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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) Strong	Moderate	Weak	None
Elements	Form									X			
	Line										X		
	Color										X		
	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 08/19/2011

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

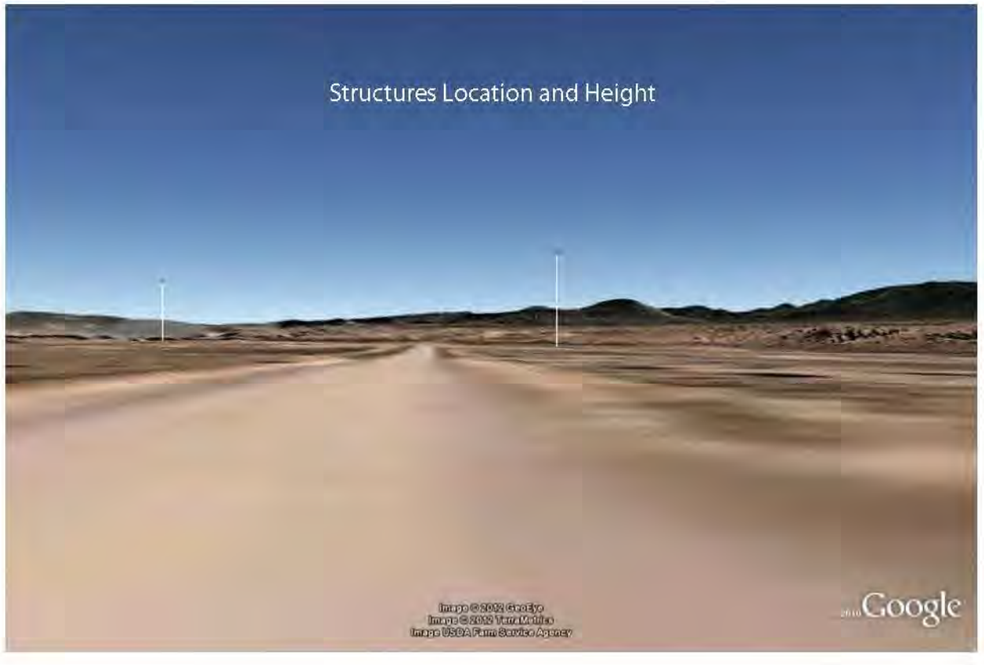
Feet
0 1,500 3,000 6,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-10
Utah State Highway 56
(westbound)
(Segment 1490.05)

KOP Photograph



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011

District Cedar City FO

Resource Area

Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-11

3. VRM Class
III

4. Location Utah SH-56 (EB)
Township 35S
Range 20W
Section 26

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains, rock formations, and rolling foothills.	Scattered clumps of pinyon-juniper, shrubs, and blanket of grasses.	Pyramidal steel lattice T-line. Planar H-frames. Cylindrical fence posts.
LINE	Angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Vertical and horizontal T-line and curvilinear conductors. Vertical fence posts.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper and light tan grasses and medium silvery green sagebrush.	Light, medium and dark grey and dark brown T-lines. Light to medium grey fence posts.
TEXTURE	Smooth to medium landforms.	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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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: 08/19/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, 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

Feet
0 1,500 3,000 6,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-11
Utah State Hwy 56
(eastbound)
(Segment 1490.05)

Project Location

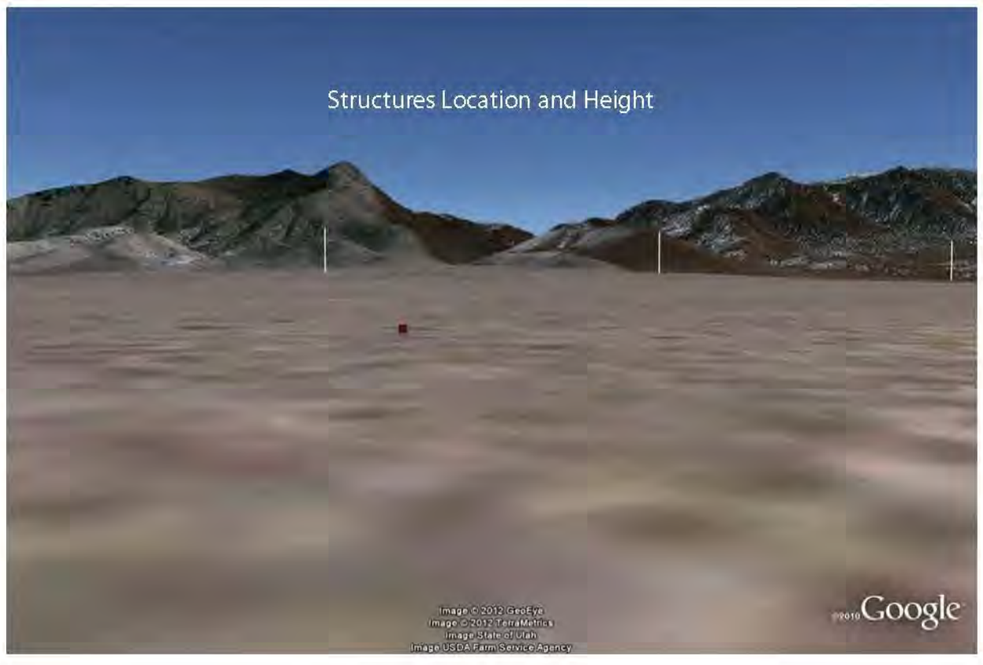
KOP Location

0 1,500 3,000 6,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-11
Simulated Condition
(Segment 1490.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
CC-12

3. VRM Class
IV

4. Location Recreation Road near Antelope Spr.
Township 35S
Range 15W
Section 14

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular and rounded mountains, rolling foothills, and planar valley.	Scattered clumps of pinyon-juniper, shrubs, and blanket of grasses.	Pyramidal steel lattice T-line. Planar H-frames.
LINE	Angular and curvilinear ridgelines and horizontal valley.	Irregular pinyon-juniper, sagebrush and grass patterns.	Vertical and horizontal T-line and curvilinear conductors.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper and light tan grasses and medium silvery green sagebrush.	Light, medium and dark grey and dark brown T-lines.
TEXTURE	Smooth to medium landforms.	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.
TEXTURE			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)

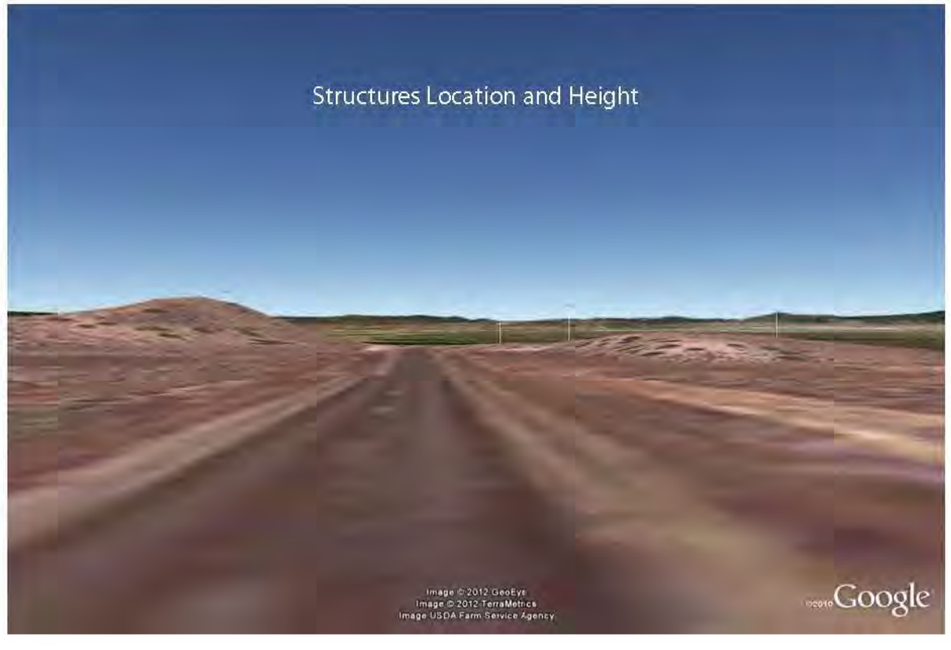
Evaluator's Names	Date
M. Paulson	08/19/2011

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.

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-12
Recreation Road
near Antelope Springs
(Segment 1500.02)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/07/2012
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. **Project Name** TransWest Express
2. **Key Observation Point** CC-13
3. **VRM Class** IV (VRI Class IV)
4. **Location** Utah SH-56 (WB)
   Township 36S
   Range 15W
   Section 14
5. **Location Sketch** Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountains and wide valley floor.	Planar blanket of grasses with scattered clumps of pinyon-juniper, deciduous trees and shrubs.	Planar roadway. Pyramidal steel lattice T-line. Planar H-Frames. Indistinct Newcastle buildings.
LINE	Horizontal valley and angular ridgelines.	Irregular pinyon-juniper, deciduous trees, sagebrush and grass patterns.	Vertical and horizontal T-line and curvilinear conductors. Horizontal, rolling roadway.
COLOR	Light to medium reddish tan.	Dark green pinyon-juniper, deciduous trees, and light tan and medium green grasses.	Light, medium and dark grey and dark brown T-lines and light to medium grey buildings.
TEXTURE	Smooth landforms.	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.
TEXTURE			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** 08/07/2012

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

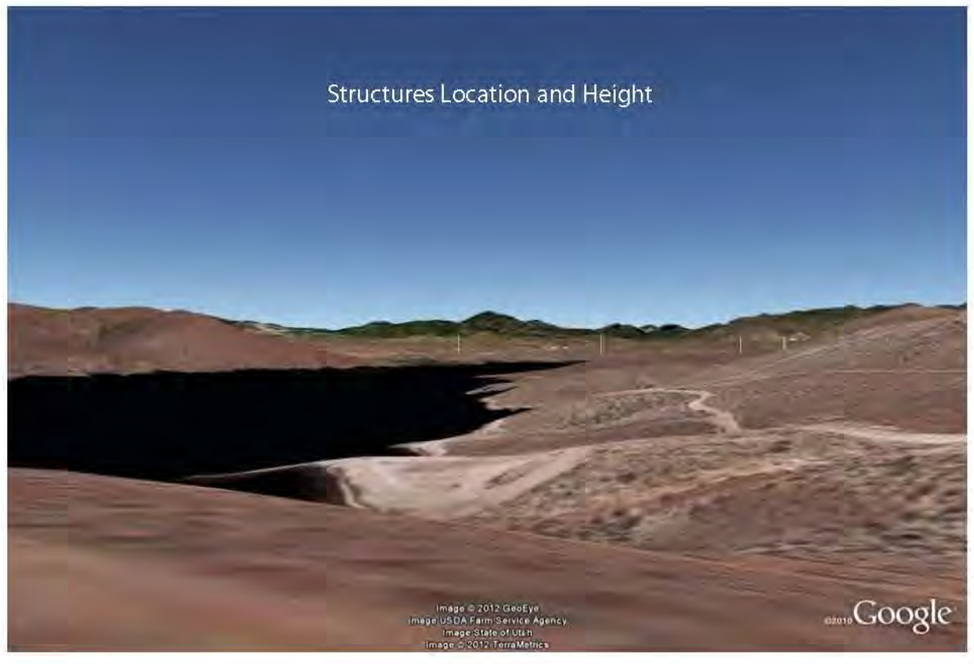
KOP Location

Feet
0 1,500 3,000 6,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-13
Utah SH 56
(westbound)
(Segment 1500.02)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/07/2012
District Cedar City FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: CC-14
3. VRM Class: IV
4. Location: Newcastle Reservoir Dam Overlook
   Township 36S
   Range 15W
   Section 22
5. Location Sketch: Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar dam. Angular mountains. Horizontal waterform.	Planar blanket of grasses and shrubs, with scattered clumps and blanket of pinyon-juniper.	Cylindrical utility poles. Planar dam structure.
LINE	Horizontal water and dam, and angular ridgelines.	Irregular pinyon-juniper, deciduous trees, sagebrush and grass patterns.	Vertical utility poles. Horizontal dam structure.
COLOR	Blue water. Light to medium to dark greyish tan and brown rock formations and dam structure.	Dark green pinyon-juniper and light tan and medium green shrubs.	Light to medium to dark greyish tan and brown dam structure. Dark brown utility poles.
TEXTURE	Smooth water and smooth, medium, and coarse landforms.	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.
TEXTURE			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: 08/07/2012

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 1,650 3,300 6,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP CC-14
Newcastle Reservoir
Dam Overlook
(Segment 1506)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 05/30/2012
District **Dinosaur National Monument**
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
DNM-1

3. VRM Class
Private

4. Location Dinosaur Nat. Mon. Entry
Township 3N
Range 103W
Section 10

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 pinyon-juniper, rabbit brush, sagebrush and grasses.	Planar roadway, columnar light standard, pyramidal 345-kV transmission line structure and columnar H-frame poles.
LINE	Strong angular lines of ridges and skyline. Angular side slopes.	Indistinct pinyon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical light standard, transmission line, H-frame and markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Dark olive green pinyon-juniper and medium olive green sagebrush. Golden tan to brown rabbit brush and grasses.	Light to medium grey roadway and darker light standard, and transmission line. Light tan to brown H-frame.
TEXTURE	Smooth to moderate landforms.	Coarse pinyon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, light standard, 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.
TEXTURE			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: 5/30/12

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 2,000 4,000 8,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-1
Dinosaur National Monument (Entry)
(Segment 1210)

Project Location

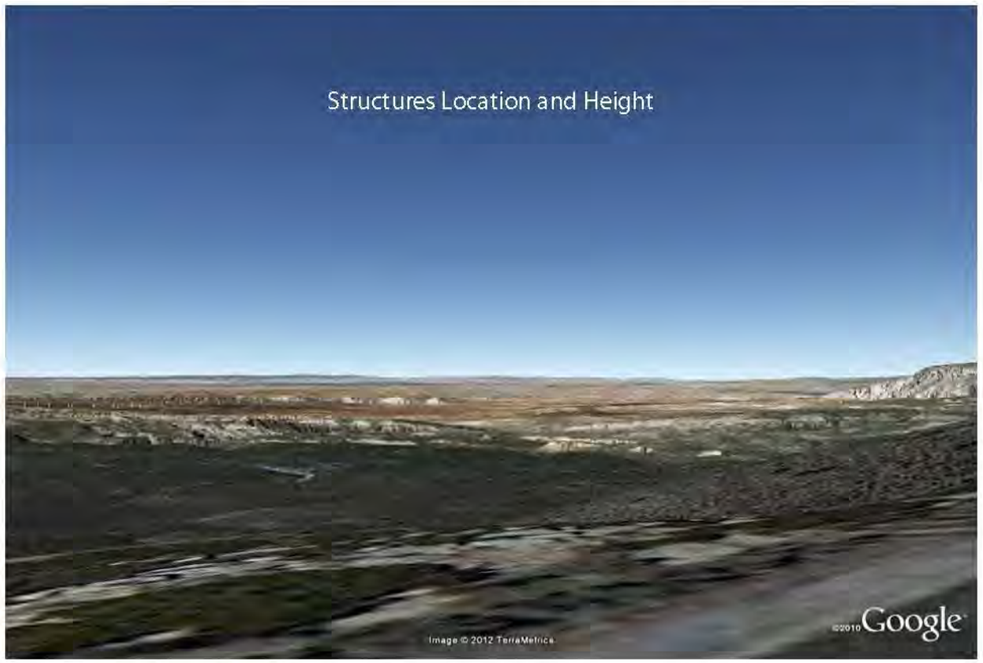
KOP Location

0 2,000 4,000 8,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-1
Simulated Condition
(Segment 1210)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: DNM-2
3. VRM Class: Private
4. Location: Dinosaur National Mon. Overlook; Township 4N; Range 103W; Section 4
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Undulating midground ridges. Curvilinear mountain backdrop. Strong foreground erosion cuts.	Horizontal and curvilinear shapes of pinyon-juniper and grasses.	NA – too distant to pick out of landscape
LINE	Weak horizontal ridge and mountain skyline. Angular side slopes. Horizontal valley floor.	Horizontal and curvilinear edges of pinyon-juniper and grasses.	NA
COLOR	Very light, medium, and dark brown exposed eroded slopes.	Dark green pinyon-juniper. Light to medium olive green and tan grasses.	NA
TEXTURE	Smooth midground and background landforms. Course foreground landforms	Coarse pinyon-juniper foreground and midground. Smooth grasses.	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Indistinct 7- to 11-miles distant pyramidal steel lattice structures.
LINE			Indistinct 7- to 11-miles distant vertical steel lattice structures.
COLOR			Indistinct 7- to 11-miles distant light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE			Indistinct 7- to 11-miles distance

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

Feet
0 7,500 15,000 30,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-2
Dinosaur National Monument (Overlook)
(Segments 1214)

Project Location

KOP Location

Feet
0 7,500 15,000 30,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-2
Simulated Condition
(Segment 1214)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 04/28/2014
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
DNM-6

3. VRM Class
NPS

4. Location Deerlodge Road (EB)
Township 5N
Range 98W
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, angular, and horizontal ridges. Angular side slopes and erosion cuts.	Organic shapes of sagebrush and grasses and scattered pinyon-juniper on the side slopes.	NA
LINE	Strong foreground horizontal. Angular side slopes.	Curvilinear pinyon-juniper, sagebrush, and grasses.	NA
COLOR	Medium tan to brown landform.	Medium grey-green sagebrush, medium green, tan to brown grasses.	NA
TEXTURE	Smooth landform.	Smooth to coarse pinyon-juniper, sagebrush and grasses.	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing.	Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular ROW clearing edges.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light grey-green, tan-brown grasses.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		Smooth.	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 M. Paulson
Date 04/28/2014

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 2,950 5,900 11,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-6
Deerlodge Road
(eastbound)
(Segment 1104)

Project Location

KOP Location

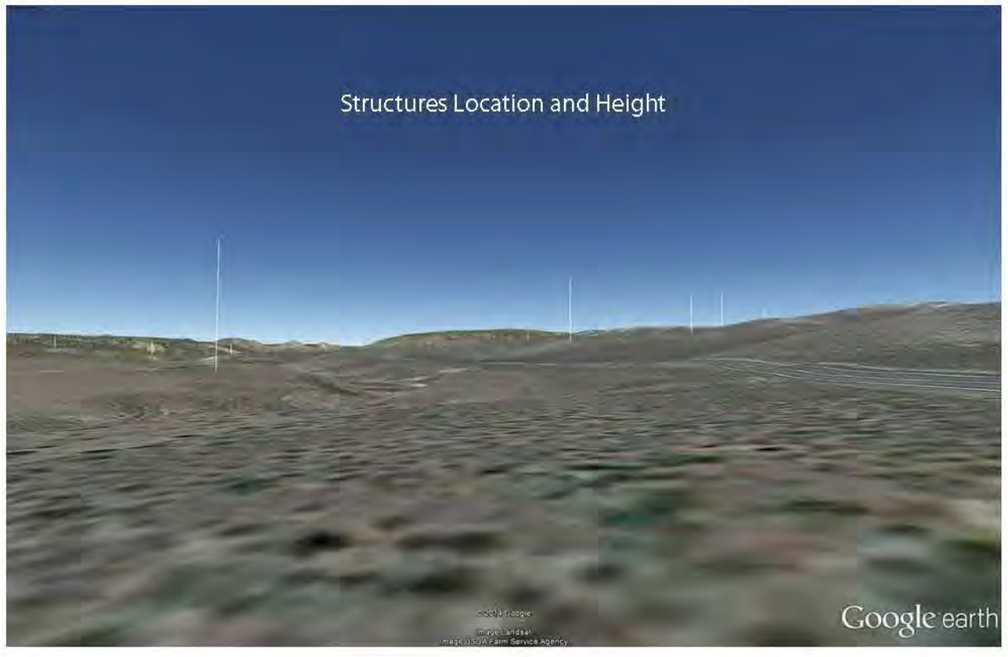
Feet
0 2,950 5,900 11,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-6
Simulated Condition
(Segment 1104)

Western AREA POWER ADMINISTRATION



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 04/28/2014
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
DNM-7

3. VRM Class
NPS

4. Location Deerlodge Road - NPS Kiosk
Township 5N
Range 98W
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, angular, and horizontal ridges. Angular side slopes and erosion cuts.	Organic shapes of sagebrush and grasses and scattered pinyon-juniper on the side slopes.	NA
LINE	Strong foreground horizontal. Angular side slopes.	Curvilinear pinyon-juniper, sagebrush, and grasses.	NA
COLOR	Medium tan to brown landform.	Medium grey-green sagebrush, medium green, tan to brown grasses.	NA
TEXTURE	Smooth landform.	Smooth to coarse pinyon-juniper, sagebrush and grasses.	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing.	Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular ROW clearing edges.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light grey-green, tan-brown grasses.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		Smooth.	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 M. Paulson
Date 04/28/2014

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 2,950 5,900 11,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-7
Deerlodge Road
NPS Kiosk
(Segment 1104)

Western Area Power Administration

Project Location

KOP Location

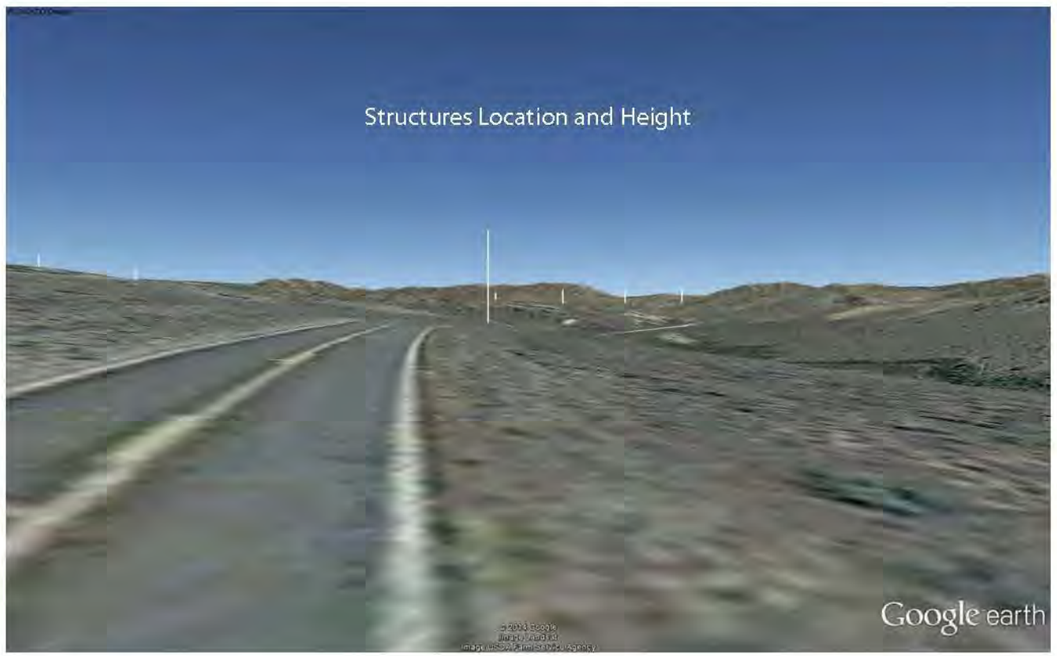
Feet
0 2,950 5,900 11,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-7
Simulated Condition
(Segment 1104)

Western Area Power Administration



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 04/28/2014
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. **Project Name**
TransWest Express

2. **Key Observation Point**
DNM-8

3. **VRM Class**
NPS

4. **Location** Deerlodge Road (SB)
Township 6N
Range 98W
Section 36

5. **Location Sketch**
Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar, angular, and horizontal ridges. Angular side slopes and erosion cuts.	Organic shapes of sagebrush and grasses and scattered pinyon-juniper on the side slopes.	NA
LINE	Strong foreground horizontal. Angular side slopes.	Curvilinear pinyon-juniper, sagebrush, and grasses.	NA
COLOR	Medium tan to brown landform.	Medium grey-green sagebrush, medium green, tan to brown grasses.	NA
TEXTURE	Smooth landform.	Smooth to coarse pinyon-juniper, sagebrush and grasses.	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing.	Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular ROW clearing edges.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light grey-green, tan-brown grasses.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		Smooth.	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 M. Paulson **Date** 04/28/2014

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

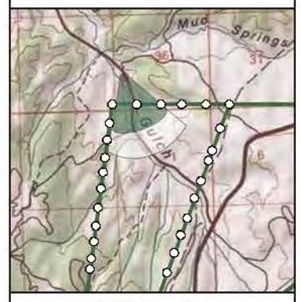
Feet
0 2,950 5,900 11,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-8
Deerlodge Road
(southbound)
(Segment 1105)

Project Location



KOP Location

Feet
0 2,950 5,900 11,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-8
Simulated Condition
(Segment 1105)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 04/28/2014
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: DNM-9
3. VRM Class: NPS
4. Location: Deerlodge Road (NB); Township 5N; Range 98W; 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, angular, and horizontal ridges. Angular side slopes and erosion cuts.	Organic shapes of sagebrush and grasses and scattered pinyon-juniper on the side slopes.	NA
LINE	Strong foreground horizontal. Angular side slopes.	Curvilinear pinyon-juniper, sagebrush, and grasses.	NA
COLOR	Medium tan to brown landform.	Medium grey-green sagebrush, medium green, tan to brown grasses.	NA
TEXTURE	Smooth landform.	Smooth to coarse pinyon-juniper, sagebrush and grasses.	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing.	Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular ROW clearing edges.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light grey-green, tan-brown grasses.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		Smooth.	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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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: 04/28/2014

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 2,950 5,900 11,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-9
Deerlodge Road
(northbound)
(Segment 1105)

Western Area Power Administration

Project Location

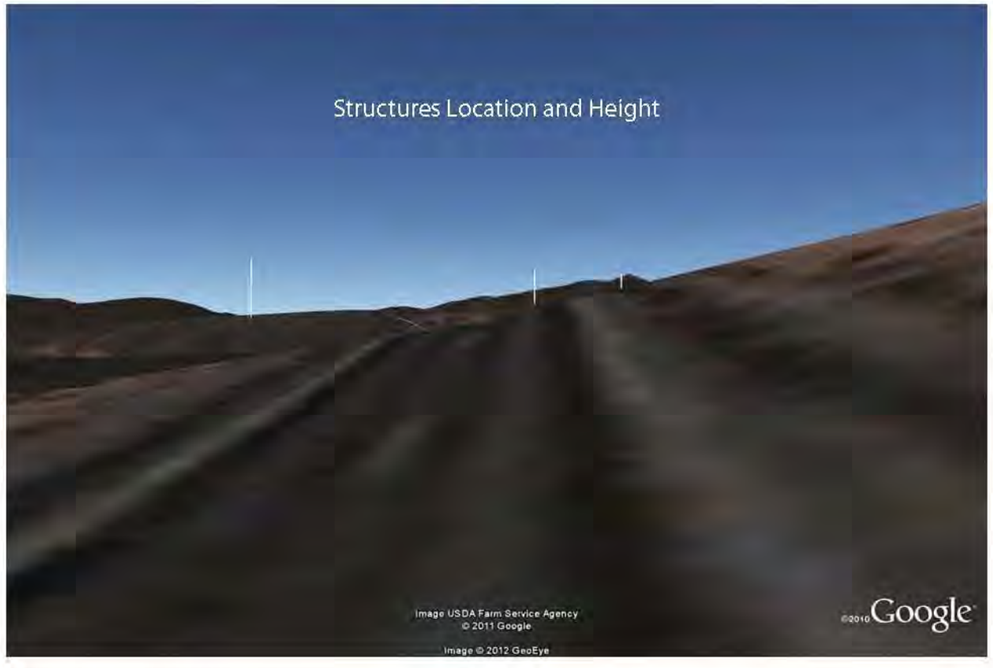
KOP Location

0 2,950 5,900 11,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP DNM-9
Simulated Condition
(Segment 1105)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 04/28/2014
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. **Project Name**
TransWest Express

2. **Key Observation Point**
E-6

3. **VRM Class**
II

4. **Location** US-93 (NB)
Township 3S
Range 67E
Section 28

5. **Location Sketch**
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Undulating planar land form. Angular background mountains and rock formations.	Blanket of shrubs. Clumps of pinyon-juniper and grasses.	Planar roadway and guardrails.
LINE	Horizontal foreground ridgeline and angular ridgelines and rock formations.	Irregular pinyon-juniper, shrub and grass patterns.	Curvilinear roadway and guardrails.
COLOR	Light to medium reddish tan and grey.	Medium to dark olive green pinyon-juniper. Yellowish green shrubs and tan grasses..	Medium to dark grey roadway and light to medium silvery grey guardrails.
TEXTURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth

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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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 04/28/2014

Rationale:
Where the Project would be located with 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 or moderate contrast and would not comply with VRM Class II management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong or moderate contrasts to low 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 E-6
US-93
(northbound)
(Segment 1520)

Project Location

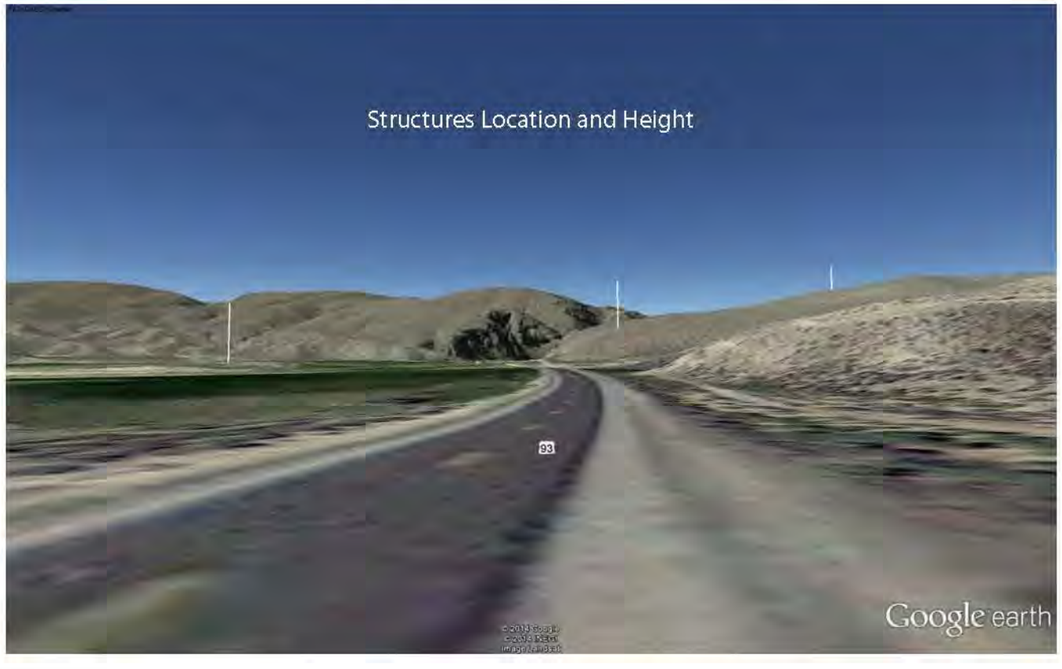
KOP Location

Feet
0 1,450 2,900 5,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-6
Simulated Condition
(Segment 1520)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 04/28/2014
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-7

3. VRM Class
II

4. Location US-93 (SB)
Township 3S
Range 67E
Section 28

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Undulating planar land form. Angular background mountains and rock formations.	Blanket and clumps of shrubs and grasses.	Planar roadway and guardrails. Cylindrical utility pole.
LINE	Horizontal foreground ridgeline and angular ridgelines and rock formations.	Irregular shrubs and grass patterns.	Curvilinear roadway and guardrails. Vertical utility pole.
COLOR	Light to medium reddish tan and grey.	Silver green shrubs and tan grasses..	Medium to dark grey roadway and light to medium silvery grey guardrails. Medium to dark brown utility pole.
TEXTURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth

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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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 04/28/2014

Rationale:
Where the Project would be located with 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 or moderate contrast and would not comply with VRM Class II management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong or moderate contrasts to low 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 E-7
US-93
(southbound)
(Segment 1520)

Project Location

KOP Location

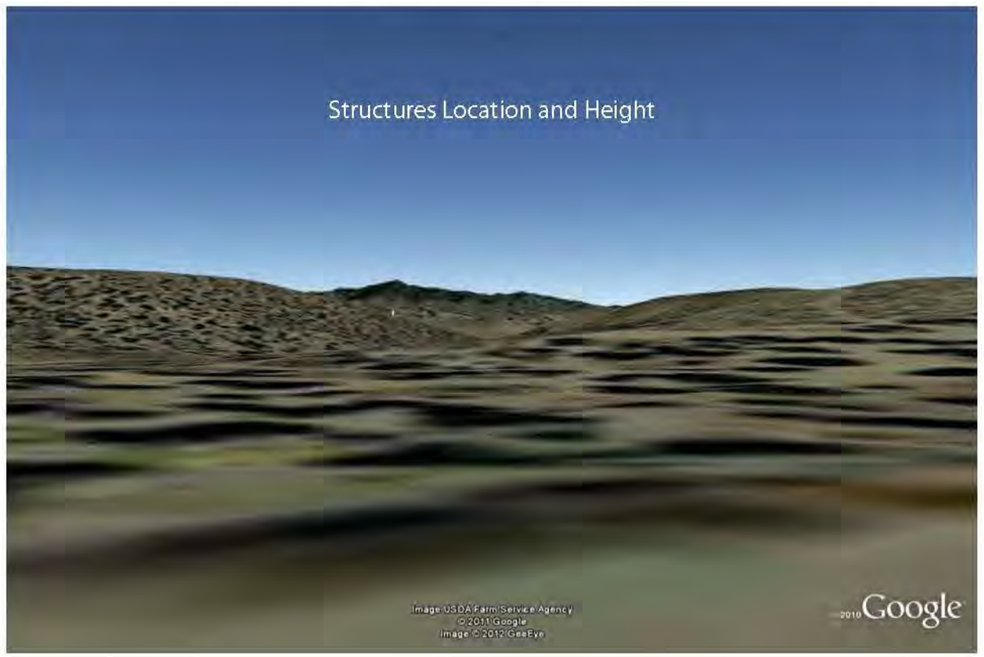
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-7
Simulated Condition
(Segment 1520)

Western AREA POWER ADMINISTRATION



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: E-8
3. VRM Class: III (VRI Class IV)
4. Location: US-93; Township 4S; Range 66E; Section 18
5. Location Sketch: Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Undulating planar land form. Angular background mountains.	Blanket of pinyon-juniper. Clumps of shrubs and grasses.	Planar roadway.
LINE	Angular ridgelines.	Irregular pinyon-juniper, shrub and grass patterns.	Horizontal roadway.
COLOR	Light to medium reddish tan and grey.	Medium to dark olive green pinyon-juniper. Silver and yellowish green shrubs and tan grasses.	Light to medium grey roadway.
TEXTURE	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.
TEXTURE			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: 09/08/2011

Rationale:
Where the Project would be located within 0.5 mile of the viewer and does not parallel an existing transmission line and/or where access roads and vegeation 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, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual imapcts where the Project is located more than 0.5 mile 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 E-8
U.S. 93
(Segment 1520)

Western Area Power Administration

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-9

3. VRM Class
III (VRI Class IV)

4. Location US-93 (EB)
Township 4S
Range 64E
Section 10

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular background mountains. Planar valley.	Clumps of desert shrubs and grasses.	Planar roadway and pyramidal steel lattice transmission line.
LINE	Angular ridgelines and horizontal valley.	Irregular shrub and grass patterns.	Horizontal roadway and vertical T-line. Curvilinear conductors.
COLOR	Light to medium reddish tan and grey.	Reddish brown and tan shrubs and grasses.	Light to medium grey roadway. Dark grey T-line.
TEXTURE	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.
TEXTURE			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: 09/08/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, 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 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-9
U.S. 93 (eastbound)
(Segment 1520)

Project Location

KOP Location

Feet
0 1,450 2,900 5,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-9
Simulated Condition
(Segment 1520)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-10

3. VRM Class
III

4. Location Mathews Canyon Reservoir.
Township 5S
Range 69E
Section 24

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular and rounded mountains, rolling foothills, and planar water form.	Scattered clumps of pinyon-juniper, shrubs, and blanket of grasses.	
LINE	Angular and curvilinear ridgelines and horizontal water.	Irregular pinyon-juniper, sagebrush and grass patterns.	
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper and light tan grasses and medium silvery green sagebrush.	
TEXTURE	Smooth to medium landforms.	Smooth, medium, and coarse.	

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.
TEXTURE			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: 09/08/2011

Rationale:
Where the Project would be located within 0.5 mile of the viewer and does not parallel an existing transmission line and/or where access roads and vegeation 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, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual imapcts where the Project is located more than 0.5 mile 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

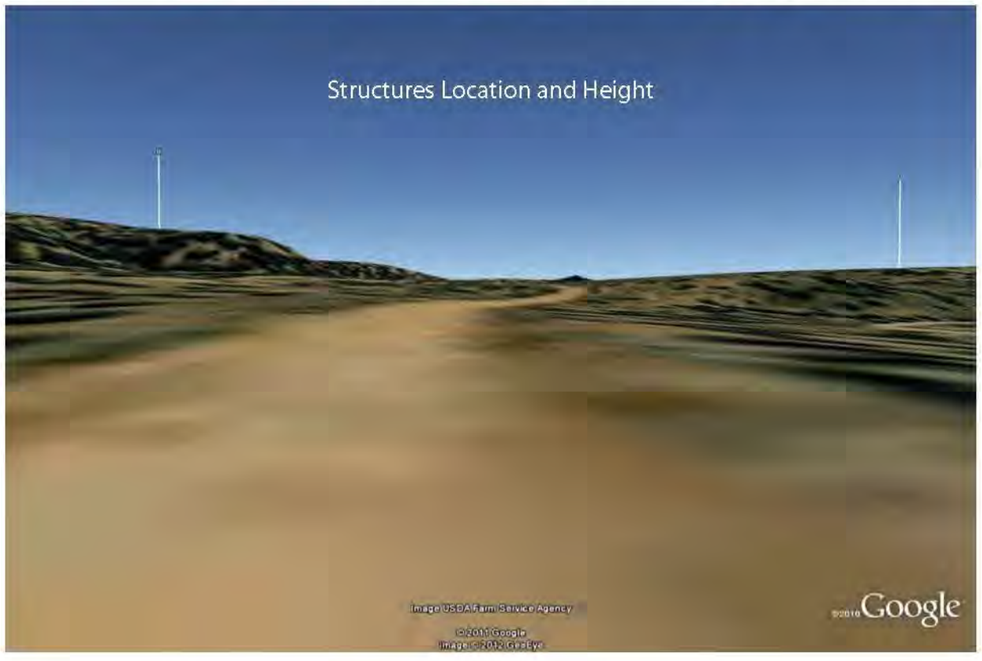
KOP Location

0 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-10
Mathews Canyon Reservoir
(Segment 1510)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: E-11
3. VRM Class: IV (VRI Class III)
4. Location: Backway Loop; Township 5S; Range 70E; Section 31
5. Location Sketch: Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling foothills.	Dense planar blanket of pinyon-juniper and sagebrush.	Planar roadway.
LINE	Curvilinear ridgelines.	Irregular pinyon-juniper and sagebrush patterns.	Curvilinear roadway.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper and medium silvery green sagebrush.	Light to medium reddish brown.
TEXTURE	Smooth landform.	Smooth, medium and coarse.	Smooth.

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.
TEXTURE			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: 09/08/2011

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

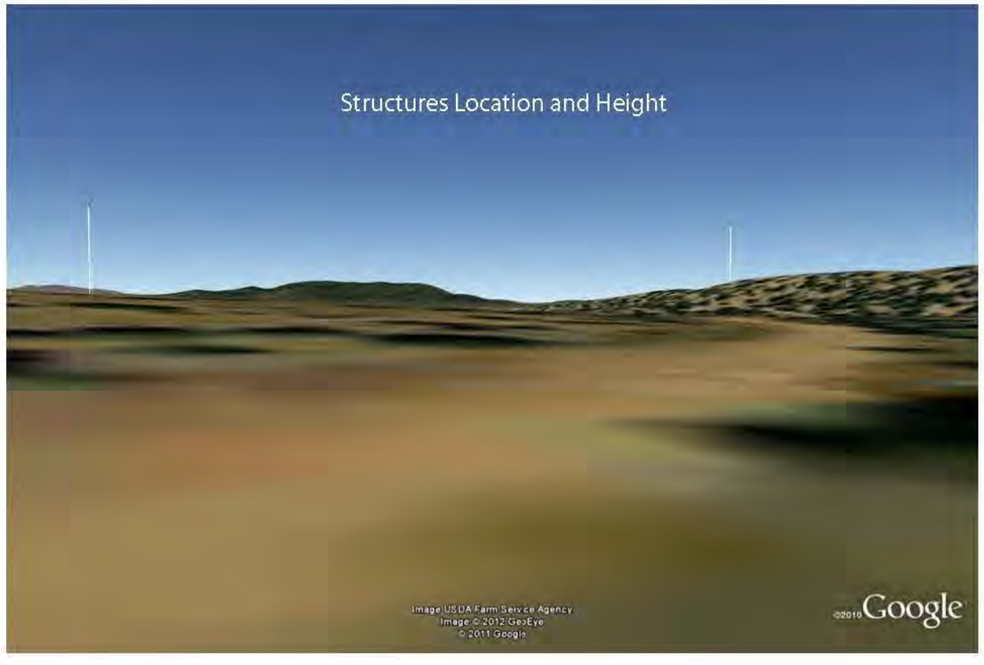
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-11
Backway Loop
(Segment 1510)



Form 8400-4
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-12

3. VRM Class
IV (VRI Class III)

4. Location Backway Loop
Township 5S
Range 70E
Section 32

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling foothills.	Dense planar blanket of pinyon-juniper and sagebrush.	Planar roadway.
LINE	Curvilinear ridgelines.	Irregular pinyon-juniper and sagebrush patterns.	Curvilinear roadway.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper and medium silvery green sagebrush.	Light to medium reddish brown.
TEXTURE	Smooth landform.	Smooth, medium and coarse.	Smooth.

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.
TEXTURE			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: 09/08/2011

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

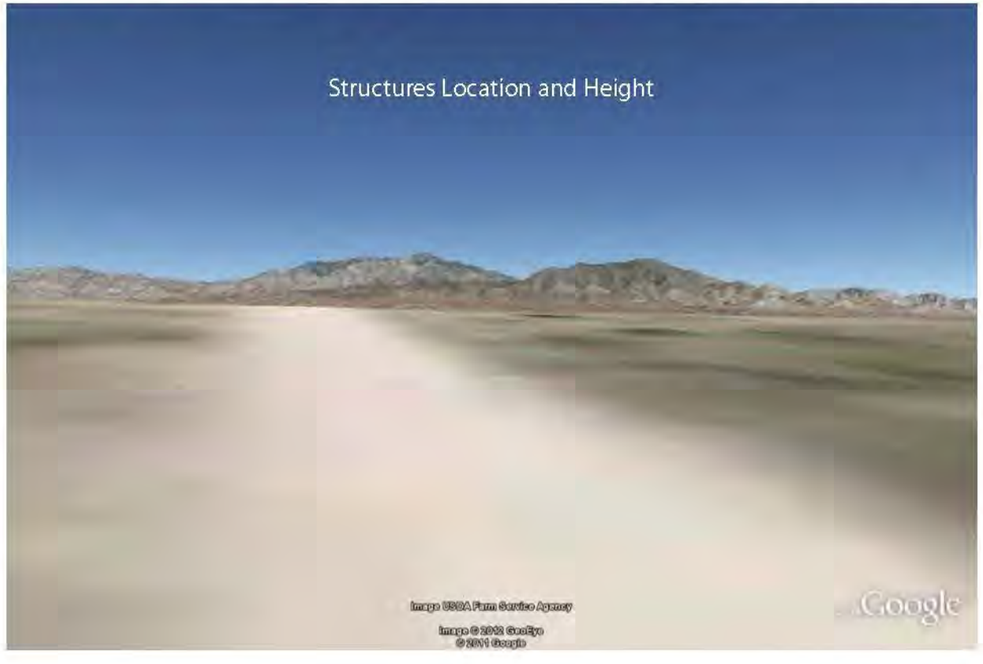
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-12
Backway Loop
(Segment 1510)



Form 8400-4
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/20/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-13

3. VRM Class
III (VRI Class IV)

4. Location Tule Spr Hills Backway Loop (EB)
Township 9S
Range 71E
Section 10

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar valley floor and cliffs. Angular foothills and mountains. Meandering stream.	Clumps of riparian trees, shrubs, and Joshua trees.	Transmission line too distant to see.
LINE	Vertical cliff. Curvilinear valley and stream. Angular foothills and mountains.	Irregular riparian trees, shrubs, and Joshua trees.	Transmission line too distant to see.
COLOR	Light to medium reddish tan and grey.	Light to medium to dark green riparian trees, shrubs, and Joshua trees.	Transmission line too distant to see.
TEXTURE	Smooth landform.	Smooth, medium and coarse.	Transmission line too distant to see.

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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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 08/20/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, 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

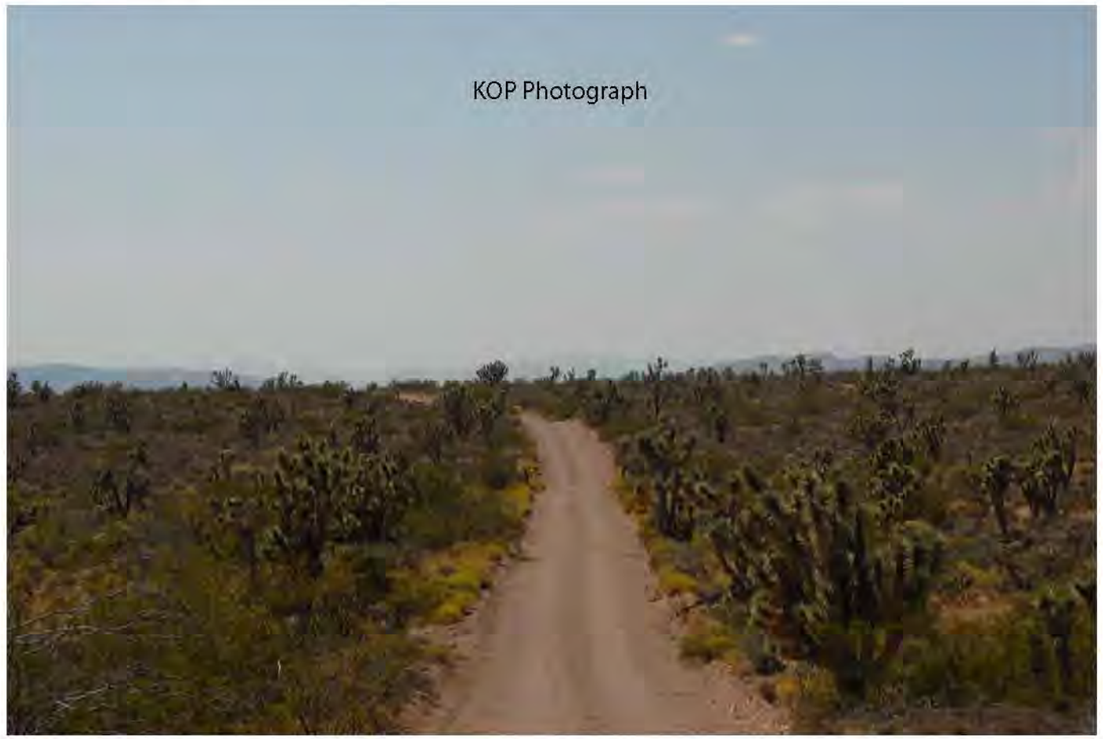
KOP Location

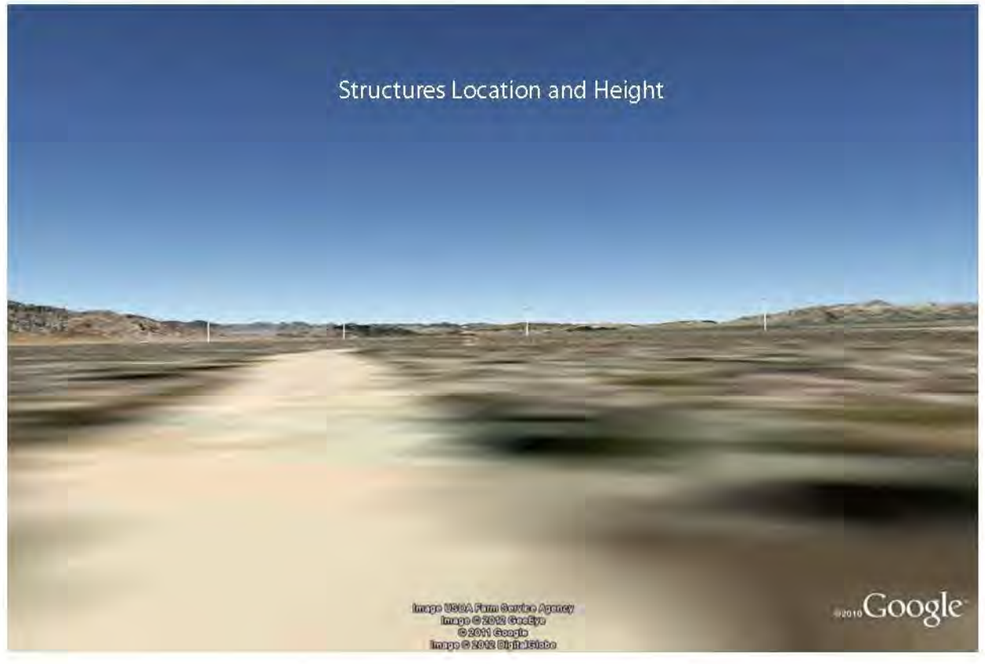
0 6,250 12,500 25,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-13
Tule Spring Hills
Backway Loop (eastbound)
(Segment 1502.5)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-14

3. VRM Class
IV (VRI Class III)

4. Location Backway Loop
Township 9S
Range 69E
Section 1

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling plane.	Clumps of Joshua trees, cat's claw, and high desert shrubs.	Planar roadway.
LINE	Horizontal ridgelines.	Irregular Joshua tree and shrub patterns.	Curvilinear roadway.
COLOR	Light to medium reddish tan and grey..	Silvery green to brownish green Joshua trees and shrubs.	Light to medium reddish brown.
TEXTURE	Smooth landform.	Smooth, medium and coarse.	Smooth.

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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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: 09/08/2011

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

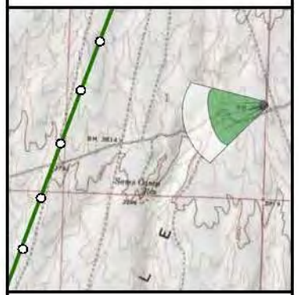
Feet
0 1,450 2,900 5,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-14
Backway Loop
(Segment 1510)

Project Location



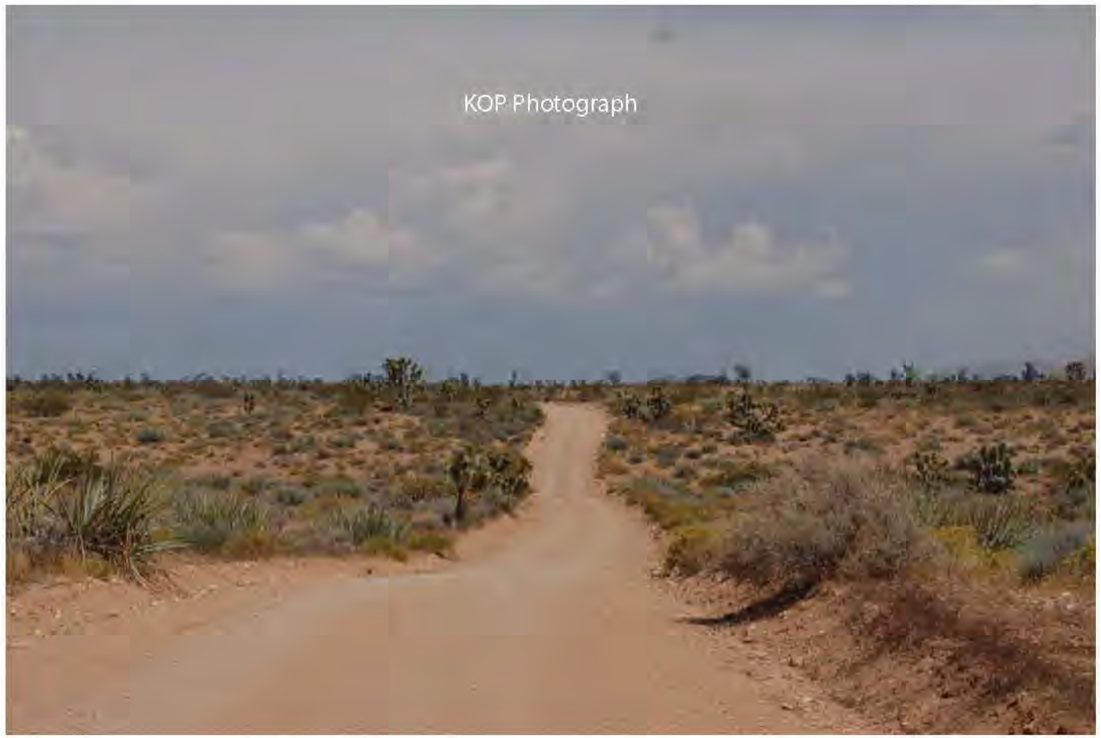
KOP Location

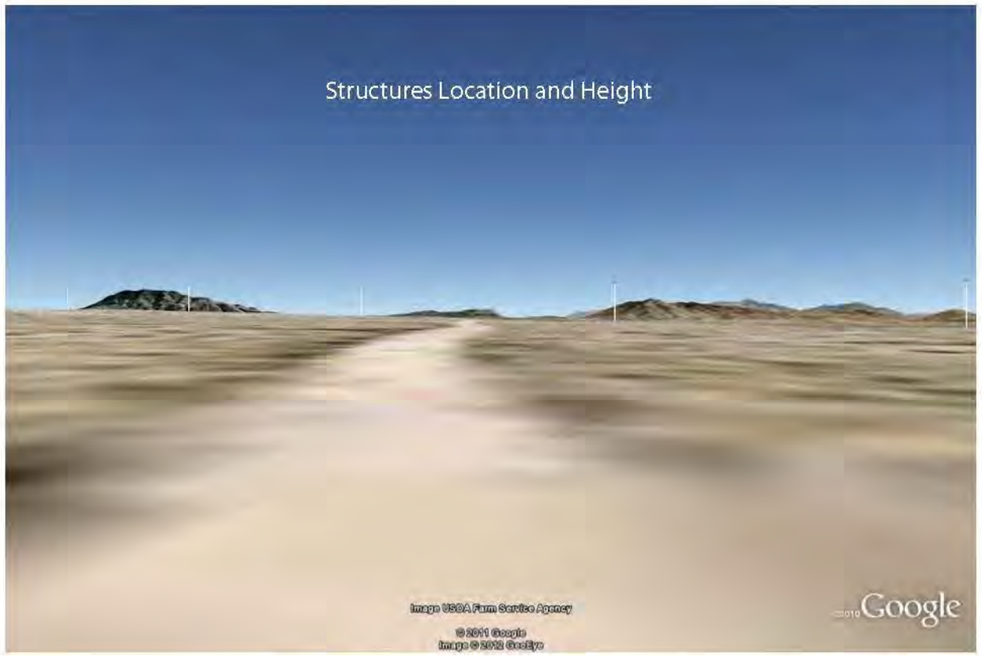
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-14
Simulated Condition
(Segment 1510)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-15

3. VRM Class
IV (VRI Class IV)

4. Location Backway Loop
Township 9S
Range 69E
Section 11

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling plane.	Clumps of Joshua trees, cat's claw, yucca and high desert shrubs.	Planar roadway.
LINE	Horizontal ridgelines.	Irregular Joshua tree, yucca, and shrub patterns.	Curvilinear roadway.
COLOR	Light to medium reddish tan and grey.	Silvery green to brownish green Joshua trees, yucca, and shrubs.	Light to medium reddish brown.
TEXTURE	Smooth landform.	Smooth, medium and coarse.	Smooth.

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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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: 09/08/2011

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 E-15
Backway Loop
(Segment 1510)

Western Area Power Administration

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-16

3. VRM Class
IV (VRI Class IV)

4. Location US-93 – Pahranagat (SB)
Township 9S
Range 62E
Section 3

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Foreground rolling and background escarpment	Clumps of desert shrubs and grasses.	Planar roadway.
LINE	Angular ridgelines and banded escarpment.	Irregular shrub and grass patterns.	Curvilinear roadway.
COLOR	Light to medium reddish tan and grey to dark brown.	Silvery green to tan and brownish green shrubs and grasses.	Light to medium grey and tan shoulders.
TEXTURE	Smooth to coarse landform.	Smooth, medium and coarse.	Smooth.

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.
TEXTURE			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 09/08/2011

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

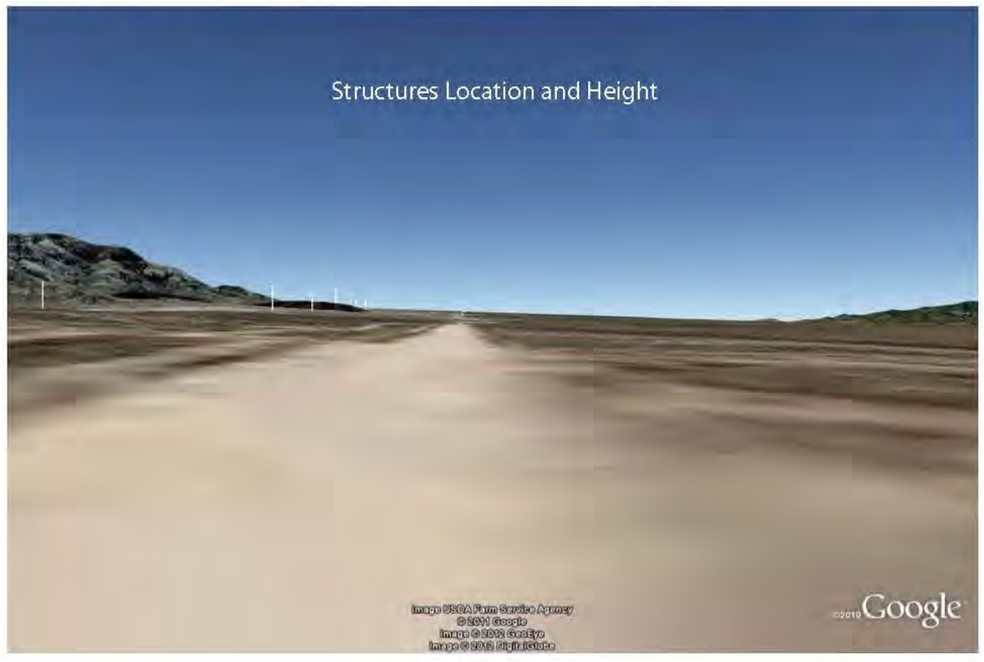
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-16
U.S. 93 Pahranagat
(southbound)
(Segment 1520)



Form 8-400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-28

3. VRM Class
III (VRI Class IV)

4. Location N. Poleline Rd. (SB)
Township 3S
Range 64E
Section 35

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Foreground rolling and angular background mountains.	Clumps of Joshua trees, desert shrubs and grasses.	Planar H-Frame transmission line and roadway.
LINE	Angular ridgelines, rock formations, and ridges, and horizontal valley.	Irregular Joshua trees, shrub and grass patterns.	Vertical and horizontal structures and curvilinear roadway and conductors.
COLOR	Light to medium reddish tan and grey.	Silvery green to tan and brownish green Joshua trees, shrubs and grasses..	Light to medium tan roadway and dark brown T-line structures.
TEXTURE	Smooth to coarse 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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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)

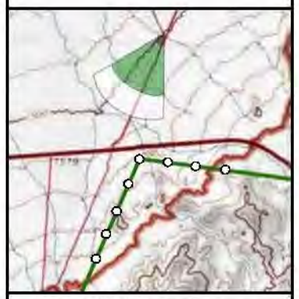
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names M. Paulson
Date 09/08/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, 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

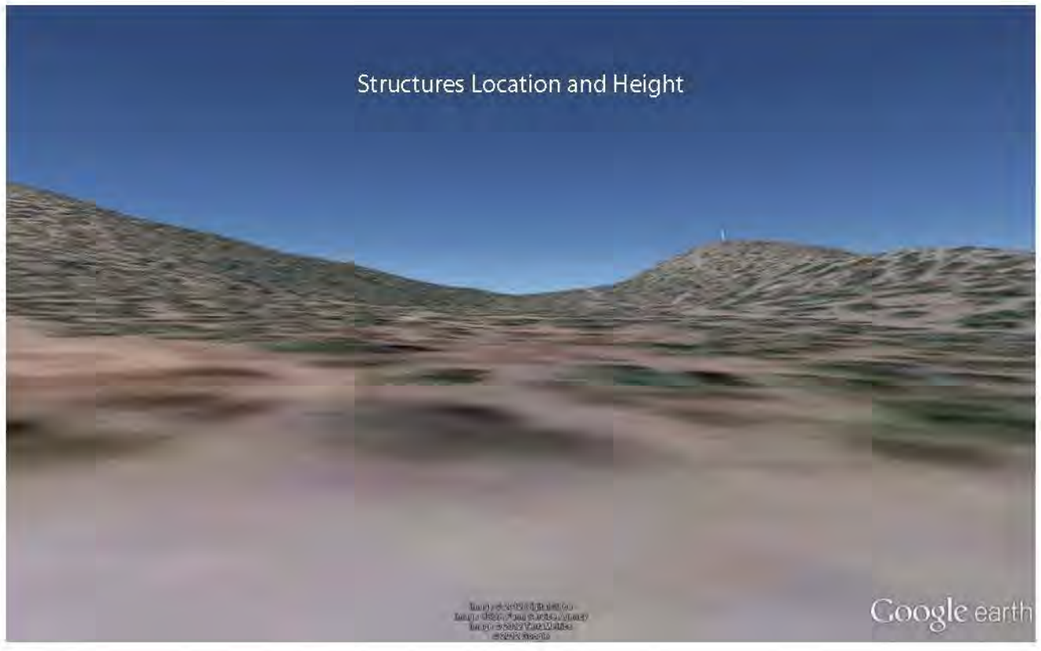
0 2,900 5,800 11,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-28
North Poleline Road
(southbound)
(Segment 1520)

Western Area Power Administration



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-29

3. VRM Class
III (VRI Class III)

4. Location Silver State Trailhead and Parking
Township 4S
Range 65E
Section 14

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Foreground rolling and angular mountain.	Clumps of pinyon-juniper and grasses.	Planar foreground fence and parking.
LINE	Angular ridgelines, rock formations, and ridges, and horizontal valley.	Irregular pinyon-juniper and grass patterns.	Vertical and horizontal fence elements.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper, shrubs and grasses.	Light to medium tan roadway and fence.
TEXTURE	Smooth to coarse 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.
TEXTURE			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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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: 09/08/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, 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 3,000 6,000 12,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-29
Silver State Trailhead and Parking
(Segment 1520)

Project Location

KOP Location

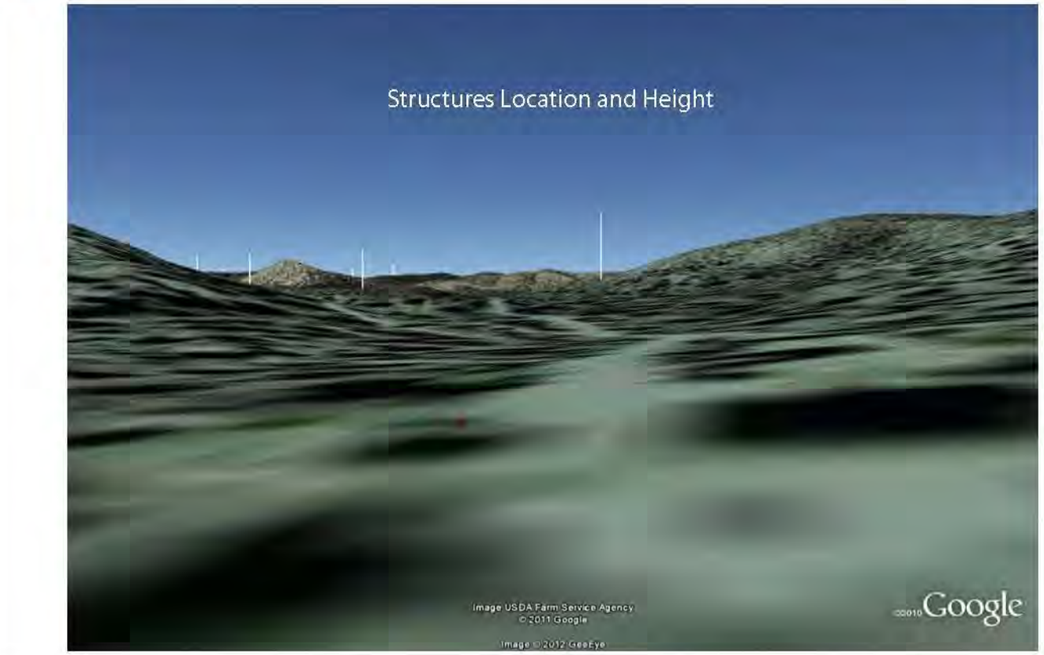
Feet
0 3,000 6,000 12,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-29
Simulated Condition
(Segment 1520)

KOP Photograph



Structures Location and Height

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-30

3. VRM Class
III (VRI Class III)

4. Location Silver State Trail Road (NB)
Township 4S
Range 66E
Section 5

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Undulating planar land form.	Blanket of pinyon-juniper. Clumps of shrubs and grasses.	Planar road.
LINE	Angular ridgeline.	Irregular pinyon-juniper, shrub and grass patterns.	Meandering roadway.
COLOR	Light to medium reddish tan and grey.	Medium to dark olive green pinyon-juniper. Yellowish green shrubs and tan grasses.	Light to medium reddish tan.
TEXTURE	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.
TEXTURE			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)**

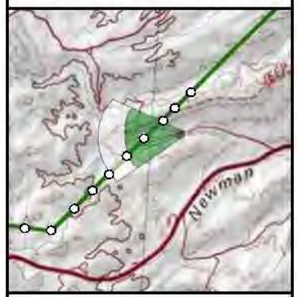
3. Additional mitigating measures recommended ☐ Yes ☐ No **(Explain on reverse side)**

Evaluator's Names M. Paulson
Date 09/08/2011

Rationale:
Where the Project would be located within 0.5 mile of the viewer and does not parallel an existing transmission line and/or where access roads and vegeation 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, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual imapcts where the Project is located more than 0.5 mile 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

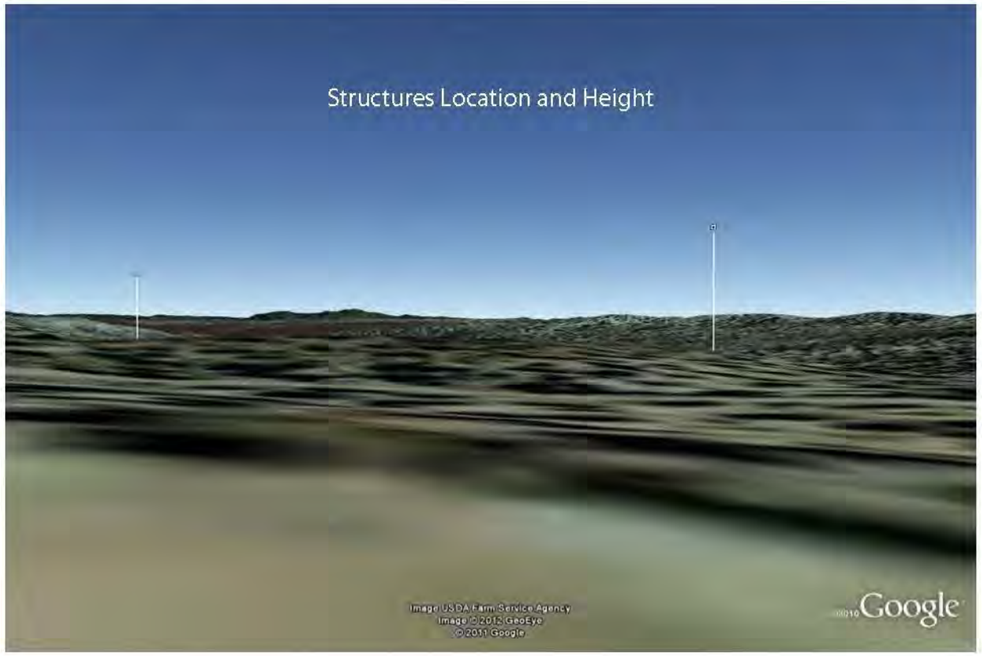
Feet
0 3,000 6,000 12,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-30
Silver State Trail Road
(northbound)
(Segment 1520)

Western Area Power Administration



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/08/2011
District Ely DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
E-31

3. VRM Class
III (VRI Class III)

4. Location Silver State Trail Road (NB)
Township 4S
Range 66E
Section 6

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Undulating planar land form. Angular background mountains.	Blanket of pinyon-juniper. Clumps of shrubs and grasses.	Planar road.
LINE	Angular ridgelines.	Irregular pinyon-juniper, shrub and grass patterns.	Meandering roadway.
COLOR	Light to medium reddish tan and grey.	Medium to dark olive green pinyon-juniper. Yellowish green shrubs and tan grasses.	Light to medium reddish tan.
TEXTURE	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.
TEXTURE			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** 09/08/2011

Rationale:
Where the Project would be located within 0.5 mile of the viewer and does not parallel an existing transmission line and/or where access roads and vegeation 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, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual imapcts where the Project is located more than 0.5 mile 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 3,000 6,000 12,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP E-31
Silver State Trail Road
(northbound)
(Segment 1520)

Western Area Power Administration