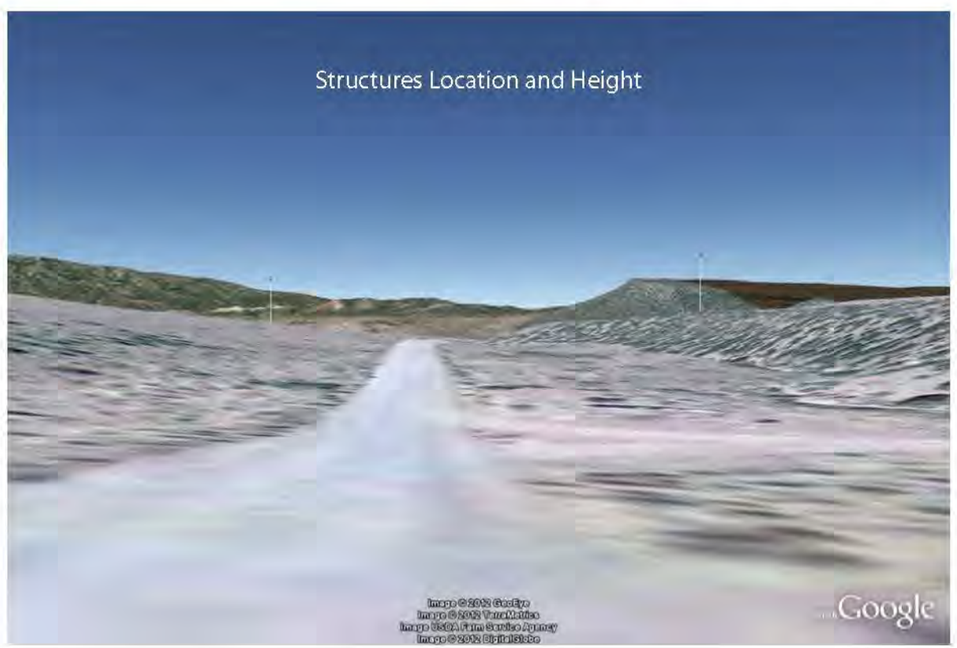


Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District St. George FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SG-1

3. VRM Class
USFS SIO High

4. Location Pinto Road (WB)
Township 37S
Range 16W
Section 36

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Blanket and clumps of pinyon-juniper. Clumps of sagebrush and grasses.	Planar roadway and H-frame. Pyramidal steel lattice towers.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Meandering roadway. Vertical and horizontal towers and curvilinear conductors.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light silvery green sagebrush and tan grasses.	Light to medium reddish tan roadway. Medium to dark brown H-frames and light to medium grey steel lattice towers.
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)

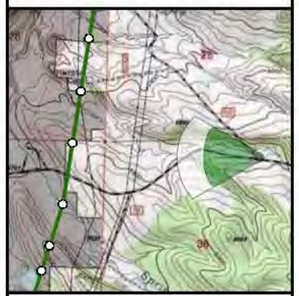
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 01/04/13

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong or moderate contrast and would not be consistent with High SIO or Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-6, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location



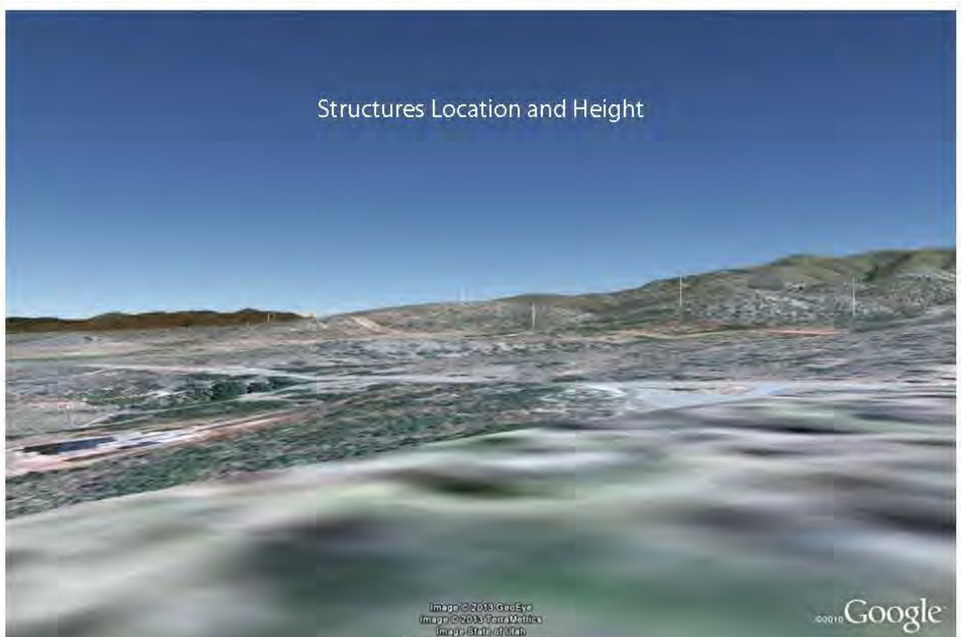
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-1
Pinto Road
(westbound)
(Segment 1501.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District St. George FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SG-2
3. VRM Class: USFS SIO High
4. Location: Mtn Meadows Historic Landmark and Site; Township 38S; Range 16W; Section 15
5. Location Sketch: Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Blanket and clumps of pinyon-juniper. Clumps of sagebrush and grasses.	Planar pipeline ROW. Planar H-frame and pyramidal steel lattice towers. Cuboid residential structures.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Meandering pipeline ROW. Vertical and horizontal towers and residential.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light silvery green sagebrush and tan grasses.	Light to medium reddish tan ROW. Medium to dark brown H-frames and light to medium grey steel lattice towers.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		ROW edges are linear.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light to medium tans and browns in the ROW.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth to medium.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 01/04/13

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong or moderate contrast and would not be consistent with High SIO or Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-6, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location

KOP Location

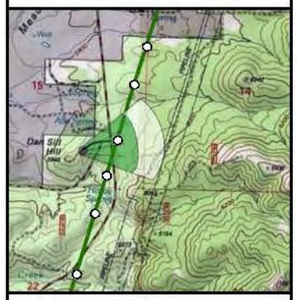
0 1,500 3,000 6,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-2
Mountain Meadows National Historic Landmark and Site
(Segment 1501.1)

Project Location



KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-2
Simulated Condition
(Segment 1501.1)

Project Location

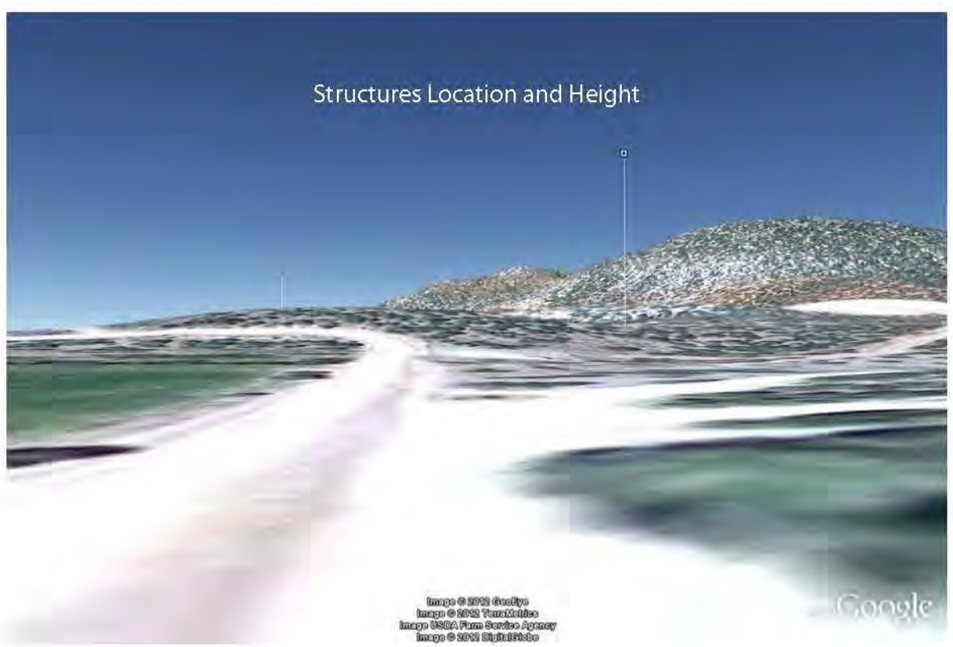
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-2
Mitigated Condition
(Segment 1501.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District St. George FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SG-4

3. VRM Class
IV

4. Location Pine Valley Highway (WB)
Township 39S
Range 16W
Section 3

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills.	Blanket and clumps of pinyon-juniper. Clumps of sagebrush and grasses.	Planar roadway. Planar H-frame and pyramidal steel lattice towers.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Meandering roadway. Vertical and horizontal towers. Strong curvilinear conductors.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light silvery green sagebrush and tan grasses.	Light to medium grey and tan roadways. Medium to dark brown H-frames and light to medium grey lattice and conductors.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing in pinyon-juniper.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear edges of ROW clearing in pinyon-juniper.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light to medium tan grasses in ROW clearing in pinyon-juniper.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth ROW clearing in pinyon-juniper.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 01/04/13

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

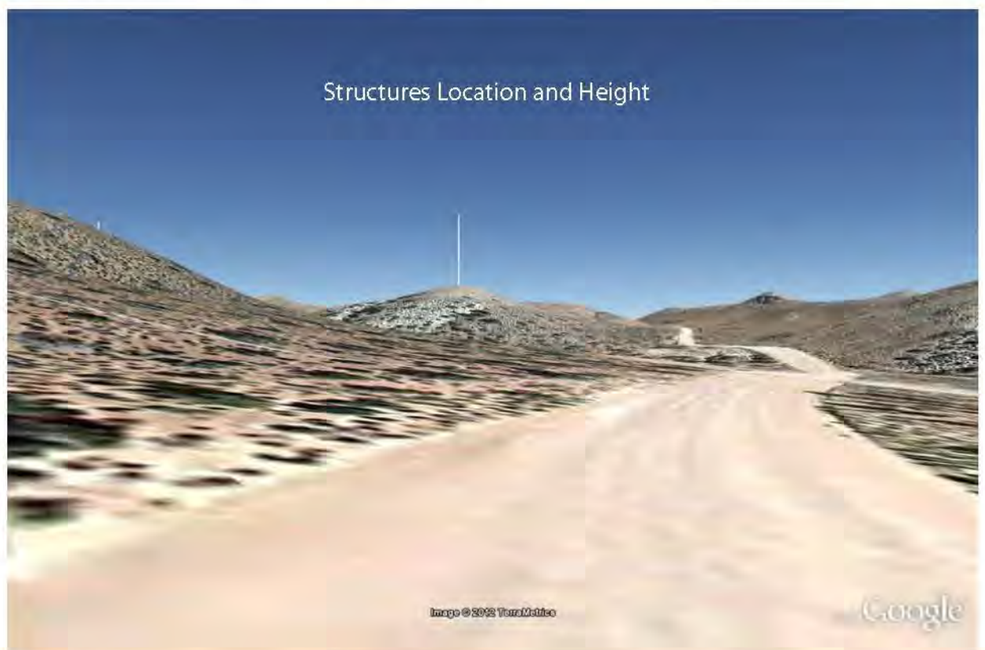
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-4
Pine Valley Highway
(westbound)
(Segment 1501.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	08/19/2011
District	St. George FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Gunlock Road (SB) Township 40S Range 18W Section 32	5. Location Sketch Please see Figure 3.12-3
2. Key Observation Point SG-5		
3. VRM Class IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills.	Clumps of pinyon-juniper. Clumps of rabbit brush, sagebrush and grasses.	Planar roadway and building.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, rabbit brush, sagebrush and grass patterns.	Meandering roadway. Vertical utility poles.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light tan rabbit brush, and silvery green sagebrush and tan grasses.	Light to medium tan roadway. Medium to dark brown utility poles. White building.
TEX-TURE	Smooth to medium landform.	Smooth, medium, and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	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.

Project Location

KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-5
Gunlock Road
(southbound)
(Segment 1502.5)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	08/20/2011
District	St. George FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Mojave Joshua Scenic Bkwy (WB)	5. Location Sketch Please see Figure 3.12-3
2. Key Observation Point SG-6	Township 43S	
3. VRM Class III (VRI Class III)	Range 18W Section 30	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar valley floor. Rolling hills.	Clumps of Joshua trees. Clumps of desert shrubs and grasses.	Planar roadway.
LINE	Horizontal valley floor and angular ridgelines.	Irregular Joshua trees, desert shrubs and grass patterns.	Meandering roadway.
COLOR	Light to medium reddish tan and grey.	Light to medium green Joshua trees to light tan desert shrubs and tan grasses.	Light to medium tan roadway.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Distant pyramidal steel lattice structures.
LINE			Vertical steel lattice structures.
COLOR			Light silver to dark grey steel lattice structures.
TEX-TURE			Indistinct steel lattice structures.

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	08/20/2011

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

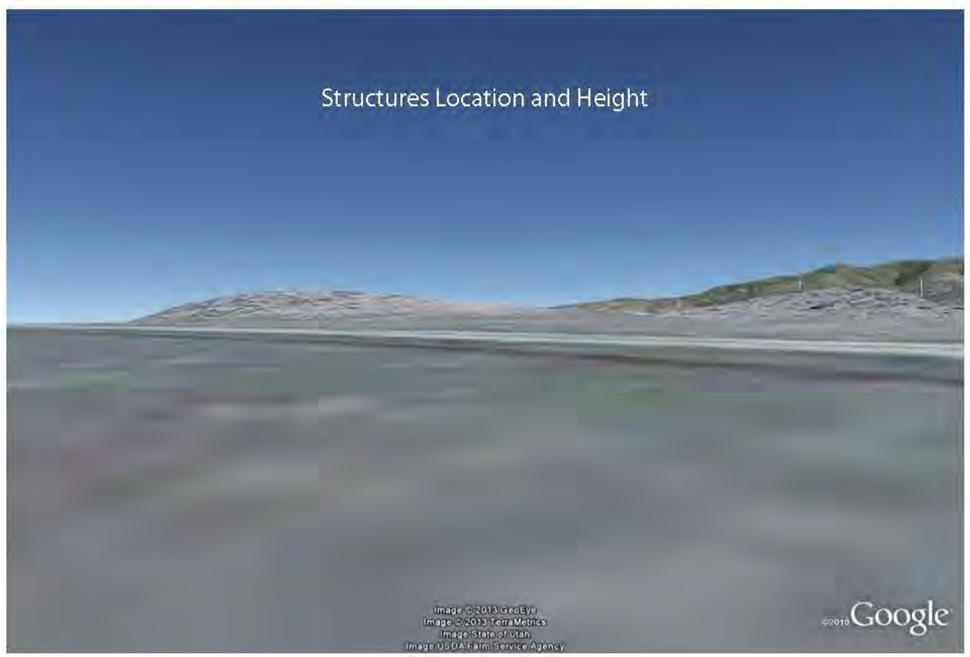
KOP Location

Miles
0 1.25 2.5 5

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-6
Mojave Joshua
Scenic Bckwy (westbound)
(Segment 1502.5)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	08/19/2011
District	St. George FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Mountain Meadows Memorial Parking Township 38S Range 16W Section 15	5. Location Sketch Please see Figure 3.12-3
2. Key Observation Point SG-7		
3. VRM Class IV (No VQO or SIO in Dixie NF)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Blanket and clumps of pinyon-juniper. Clumps of sagebrush and grasses.	Planar fence and H-frame and pyramidal steel lattice towers. Planar pipeline ROW.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Vertical and horizontal fence and towers.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light silvery green sagebrush and tan grasses.	Light to medium reddish tan ROW. Medium to dark brown H-frames and light to medium grey steel lattice towers.
TEX-TURE	Smooth to medium landform.	Smooth, medium, and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing in pinyon-juniper.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear edges of ROW clearing in pinyon-juniper.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light to medium tan grasses in ROW clearing in pinyon-juniper.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth ROW clearing in pinyon-juniper.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	Date
M. Paulson	01/04/13

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

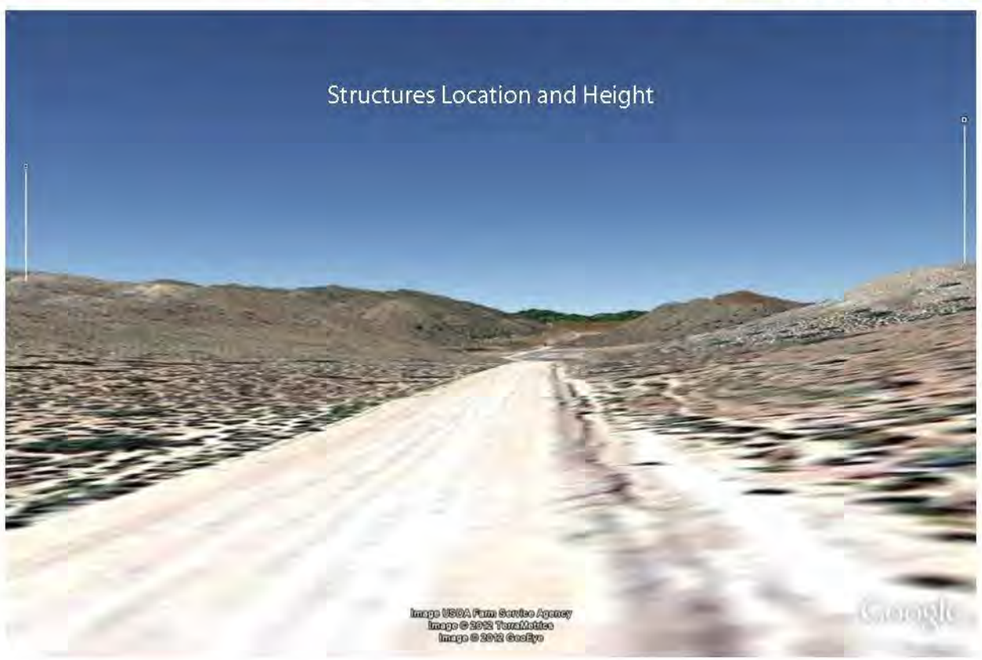
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-7
Mountain Meadows
Memorial Parking
(Segment 1501.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/19/2011
District St. George FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SG-8
3. VRM Class: IV
4. Location: Gunlock Road (NB); Township 40S; Range 16W; 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 hills.	Clumps of pinyon-juniper. Clumps of rabbit brush, sagebrush and grasses.	Pyramidal steel lattice structures. Planar roadway and building.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, rabbit brush, sagebrush and grass patterns.	Vertical steel lattice structures and curvilinear conductors. Meandering roadway.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light tan rabbit brush, and silvery green sagebrush and tan grasses.	Light to medium tan roadway. White building.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 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 SG-8
Gunlock Road
(northbound)
(Segment 1502.5)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/05/2012
District Dixie NF
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SG-9

3. VRM Class
USFS SIO High

4. Location Pinto Residences
Township 37S
Range 15W
Section 34

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling ridgeline and angular mountains.	Blanket and clumps of pinyon-juniper. Blanket and clumps of sagebrush and grasses.	Planar fences and distribution line.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Vertical fences and distribution line.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light silvery green sagebrush and tan grasses.	Medium to dark brown fences and distribution line.
TEX-TURE	Smooth to medium landform.	Smooth, medium, and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Pyramidal steel lattice structures, guys, spherical jumpers, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, circular jumpers, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, jumpers, and conductors.
TEX-TURE			Coarse steel lattice structures and smooth 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	08/05/2012

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong or moderate contrast and would not be consistent with High SIO or Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-6, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location

KOP Location

0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-9
Pinto Residences
(Segment 1506)

Project Location

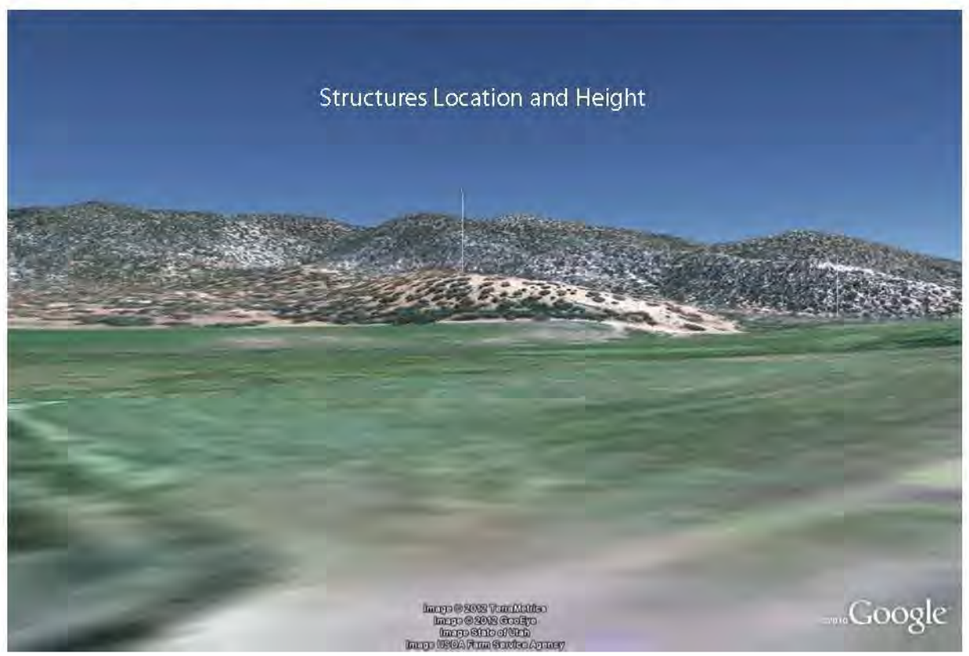
KOP Location

0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-9
Simulated Condition
(Segment 1506)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/05/2012
District Dixie NF
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SG-10
3. VRM Class: USFS SIO High
4. Location: Pinto Residences; Township 38S; Range 15W; Section 2
5. Location Sketch: Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling ridgeline and angular mountains.	Blanket and clumps of pinyon-juniper. Blanket and clumps of sagebrush and grasses.	Planar fences and distribution line.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Vertical fences and distribution line.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light silvery green sagebrush and tan grasses.	Medium to dark brown fences and distribution 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		Planar ROW.	Pyramidal steel lattice structures, guys, and tubular conductors.
LINE		ROW edges are linear.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light to medium tans and browns in the ROW.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		Smooth to medium.	Coarse steel lattice structures and smooth conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 08/05/2012

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong or moderate contrast and would not be consistent with High SIO or Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-6, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location

KOP Location

Feet
0 750 1,500 3,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-10
Pinto Residences
(Segment 1506)

Project Location

KOP Location

0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-10
Simulated Condition
(Segment 1506)

Project Location

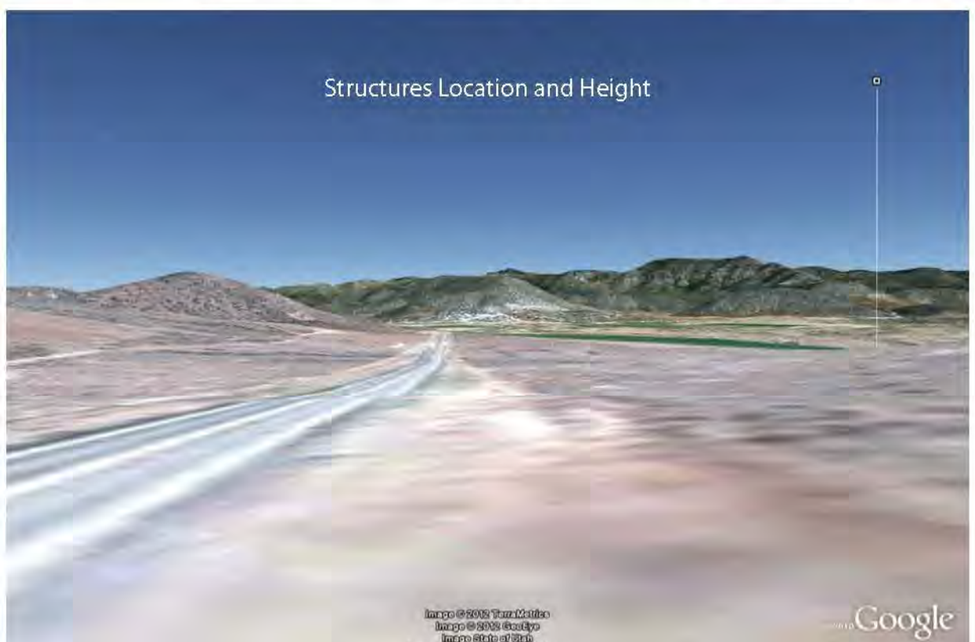
KOP Location

0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-10
Cumulative Condition
(Segment 1506)



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

VISUAL CONTRAST RATING WORKSHEET

Date 08/04/2012
District St. George FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SG-11
3. VRM Class: IV
4. Location: Utah SH-18 (NB)
Township: 39S
Range: 16W
Section: 16
5. Location Sketch: Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Blanket and clumps of pinyon-juniper. Clumps of sagebrush and grasses.	Planar roadway. Cylindrical monopoles.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Meandering roadway. Vertical towers. Strong curvilinear conductors.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light silvery green sagebrush and tan grasses.	Light to medium grey roadway. Medium to dark brown monopoles and light to medium grey conductors.
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)

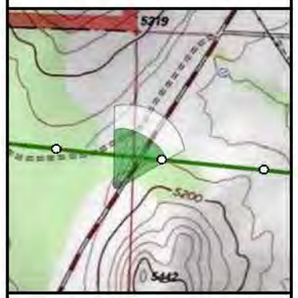
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 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



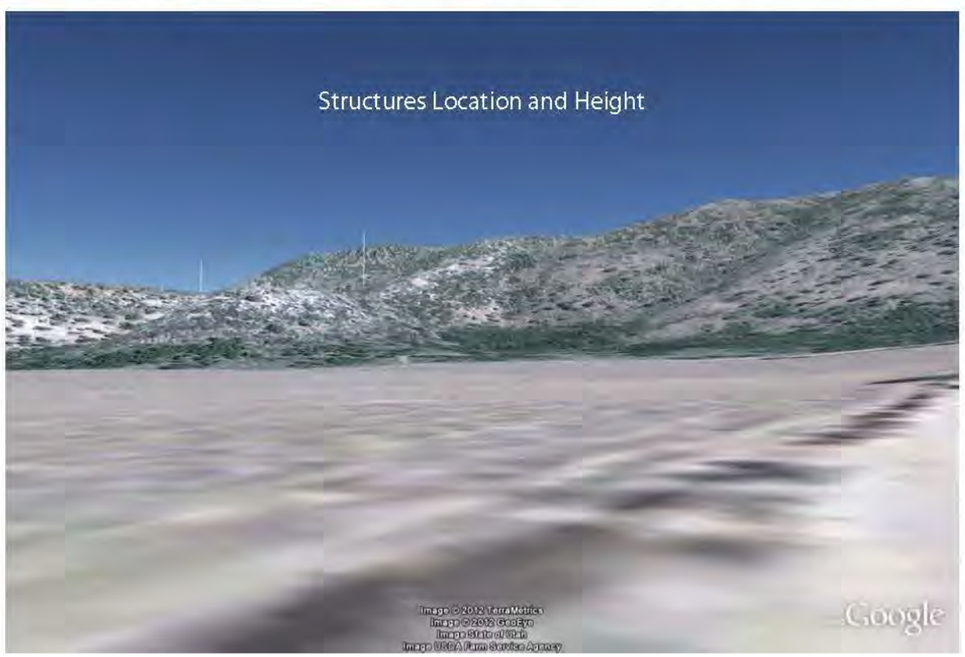
KOP Location

0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-11
Utah SH 18
(southbound)
(Segment 1506)



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/04/2012
District Dixie NF
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SG-12
3. VRM Class: USFS SIO High
4. Location: Ox Valley Ranch; Township 38S; Range 17W; Section 14
5. Location Sketch: Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling ridgeline and angular mountains.	Blanket and clumps of pinyon-juniper. Blanket and clumps of sagebrush and grasses.	Planar fences and distribution line.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, sagebrush and grass patterns.	Vertical fences and distribution line
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light silvery green sagebrush and tan grasses.	Medium to dark brown fences and distribution 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, guys, spherical jumpers, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, circular jumpers, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, jumpers, and conductors.
TEXTURE			Coarse steel lattice structures and smooth conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong or moderate contrast and would not be consistent with High SIO or Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-6, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location

KOP Location

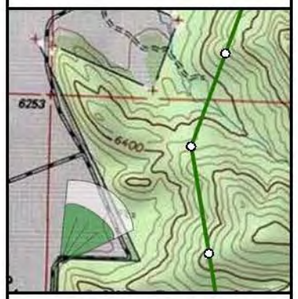
0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-12
Ox Valley Ranch
(Segment 1505)

Project Location



KOP Location

0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-12
Simulated Condition
(Segment 1505)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	08/04/2012
District	Dixie NF
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Enterprise – Utah SR-18 (EB) Township 37S Range 17W Section 13	5. Location Sketch Please see Figure 3.12-3
2. Key Observation Point SG-13		
3. VRM Class USFS SIO High		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Clumps of pinyon-juniper. Clumps of rabbit brush, sagebrush and grasses.	Planar fences, cubed buildings, and cylindrical communications towers on ridgeline.
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper, rabbit brush, sagebrush and grass patterns.	Vertical structures and horizontal and vertical buildings.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light tan rabbit brush, and silvery green sagebrush and tan grasses.	Multiple colors on buildings and dark grey structures and fences.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Horizontal and angular ROW edges	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Lighter greens and tans in ROW	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth to medium ROW	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong or moderate contrast and would not be consistent with High SIO or Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-6, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location

KOP Location

0 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-13
Enterprise Utah SR 18
(eastbound)
(Segment 1504)

Project Location

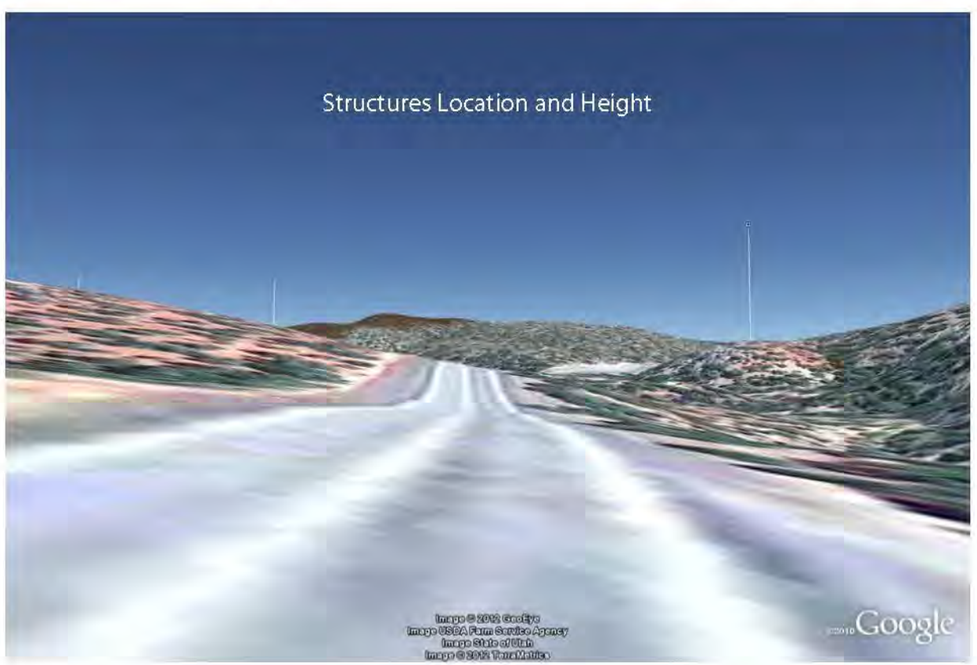
KOP Location

Feet
0 2,250 4,500 9,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-13
Simulated Condition
(Segment 1504)



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/04/2012
District Dixie NF
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SG-14

3. VRM Class
USFS SIO High

4. Location Utah SR-18 (EB)
Township 37S
Range 16W
Section 29

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular hills.	Blanket of pinyon-juniper. Planar roadside grasses.	Planar roadway
LINE	Curvilinear and angular ridgelines.	Irregular pinyon-juniper and grass patterns.	Horizontal and curvilinear roadway.
COLOR	Light to medium reddish tan and grey.	Dark green pinyon-juniper to light 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		Planar ROW	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Horizontal and angular ROW edges	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Lighter greens and tans in ROW	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		Smooth to medium ROW	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong or moderate contrast and would not be consistent with High SIO or Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-6, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location

KOP Location

0 2,500 5,000 10,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-14
Enterprise Utah SR 18
(eastbound)
(Segment 1503)

Project Location

KOP Location

0 2,500 5,000 10,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-14
Simulated Condition
(Segment 1503)

Form 8-400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/23/2011
District Salt Lake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SL-1
3. VRM Class: USFS VQO Partial Retention
4. Location: Soldier Cr. Bay Dam Overlook; Township 4S; Range 10W; Section 16
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountain ridges. Extensive inclined planar side slopes.	Organic shapes of alpine trees and grasses.	Strongly planar steel lattice towers and weak conductors.
LINE	Curvilinear mountain skyline and angular side slopes.	Curvilinear tree edges and edges of grass patterns. Linear erosional patterns.	Vertical and horizontal lattice towers. Angular access roads.
COLOR	Light to medium brown rock and soil.	Dark olive green and light grey/tan (dead) trees. Light to medium green grasses.	Light grey distant tower and light brown access road.
TEXTURE	Smooth landforms, coarse geology.	Coarse trees and shrubs, and smooth grasses.	Moderately coarse towers. Smooth access roads.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing in spruce-fir and aspen.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear edges of ROW clearing in spruce-fir and aspen.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light green to tan ROW clearing in spruce-fir and aspen.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		Smooth ROW clearing in spruce-fir and aspen.	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	07/22/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-5, VR-7, VR-9, VR-10, and VR-12) 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

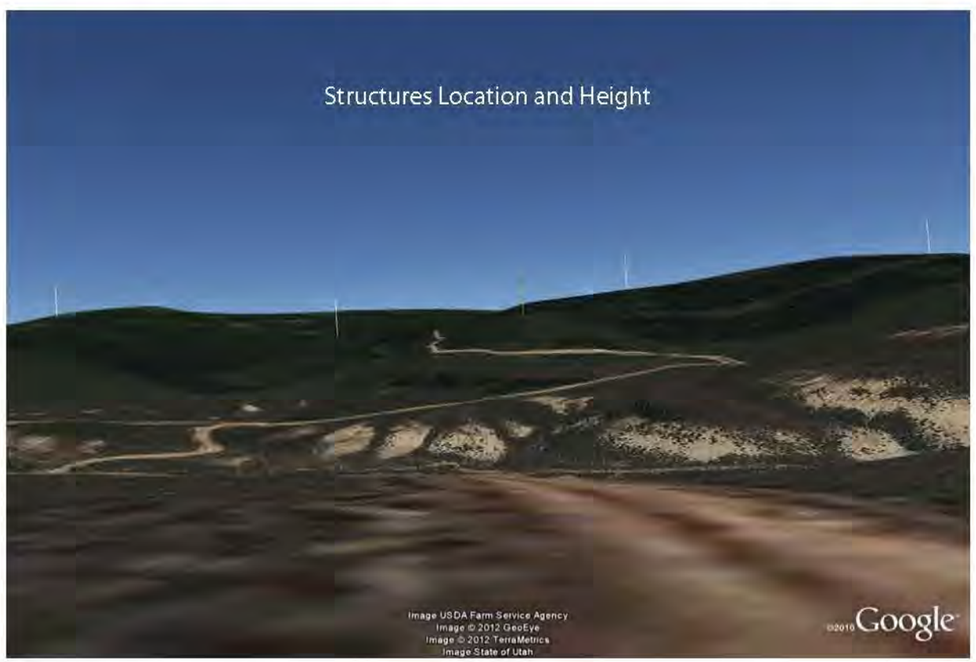
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-1
Soldier Circle Bay Dam Ovrlk
(Segment 1323)



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/23/2011
District Salt Lake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SL-2 – Segment 1324
3. VRM Class: USFS VQO Partial Retention
4. Location: WhiteRv.-Recreation Rd.; Township 5S; Range 11W; Section 17
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountain ridges. Extensive inclined planar side slopes.	Pyramidal shapes of spruce and fir trees and organic shapes of aspen, shrub and grass patterns.	Strongly planar steel lattice towers and conductors.
LINE	Curvilinear mountain skyline and angular side slopes.	Curvilinear tree edges and edges of grass patterns.	Vertical and horizontal lattice towers and horizontal conductors. Angular access roads.
COLOR	Light to medium brown rock and soil.	Dark olive green and light grey/tan (dead) trees. Light to medium green grasses.	Dark grey tower and light brown access road.
TEXTURE	Smooth landforms, coarse geology.	Coarse trees and shrubs, and smooth grasses.	Moderately coarse towers. Smooth access roads.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		ROW clearing of spruce, fir and aspen creates planar forms	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Horizontal edges of ROW clearing.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Green and tan grasses replace trees.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		Smooth grasses.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	Date
M. Paulson	01/04/13

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-5, VR-7, VR-9, VR-10, and VR-12) 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

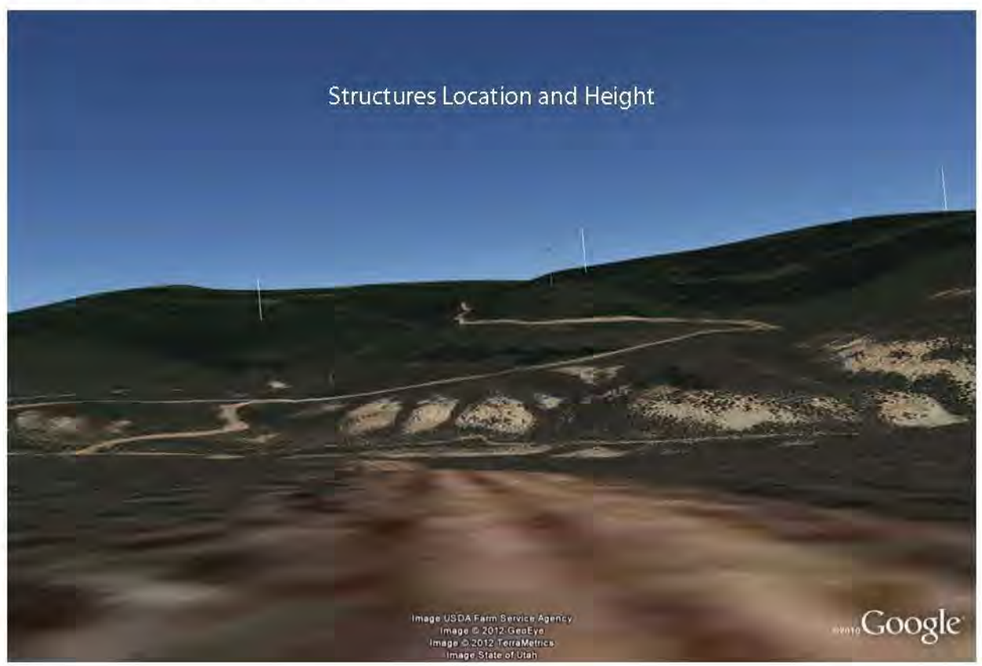
KOP Location

Feet
0 1,400 2,800 5,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-2
White River
Recreation Road
(Segment 1324)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/23/2011
District Salt Lake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SL-2 – Segment 1324.2

3. VRM Class
USFS VQO Partial Retention

4. Location WhiteRv.-Recreation Rd.
Township 5S
Range 11W
Section 17

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountain ridges. Extensive inclined planar side slopes.	Pyramidal shapes of spruce and fir trees and organic shapes of aspen, shrub and grass patterns.	Strongly planar steel lattice towers and conductors.
LINE	Curvilinear mountain skyline and angular side slopes.	Curvilinear tree edges and edges of grass patterns.	Vertical and horizontal lattice towers and horizontal conductors. Angular access roads.
COLOR	Light to medium brown rock and soil.	Dark olive green and light grey/tan (dead) trees. Light to medium green grasses.	Dark grey tower and light brown access road.
TEX-TURE	Smooth landforms, coarse geology.	Coarse trees and shrubs, and smooth grasses.	Moderately coarse towers. Smooth access roads.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		ROW clearing of spruce, fir and aspen creates planar forms	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Horizontal edges of ROW clearing.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Green and tan grasses replace trees.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth grasses.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 01/04/13

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-5, VR-7, VR-9, VR-10, and VR-12) 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

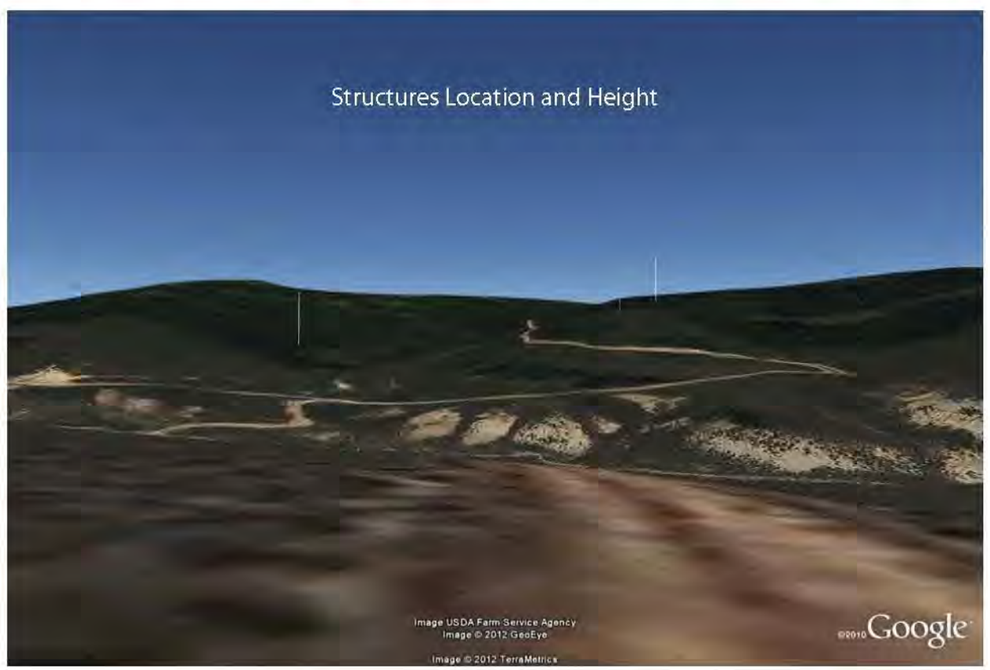
KOP Location

Feet
0 1,400 2,800 5,600

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-2
White River
Recreation Road
(Segment 1324.2)



Form 3400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/23/2011
District Salt Lake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SL-2 – Segment 1324.4

3. VRM Class
USFS VQO Partial Retention

4. Location White River - Recreation Rd.
Township 5S
Range 11W
Section 17

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountain ridges. Extensive inclined planar side slopes.	Pyramidal shapes of spruce and fir trees and organic shapes of aspen, shrub and grass patterns.	Strongly planar steel lattice towers and conductors.
LINE	Curvilinear mountain skyline and angular side slopes.	Curvilinear tree edges and edges of grass patterns.	Vertical and horizontal lattice towers and horizontal conductors. Angular access roads.
COLOR	Light to medium brown rock and soil.	Dark olive green and light grey/tan (dead) trees. Light to medium green grasses.	Dark grey tower and light brown access road.
TEX-TURE	Smooth landforms, coarse geology.	Coarse trees and shrubs, and smooth grasses.	Moderately coarse towers. Smooth access roads.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		ROW clearing of spruce, fir and aspen creates planar forms	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Horizontal edges of ROW clearing.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Green and tan grasses replace trees.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth grasses.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	Date
M. Paulson	01/04/13

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-5, VR-7, VR-9, VR-10, and VR-12) 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

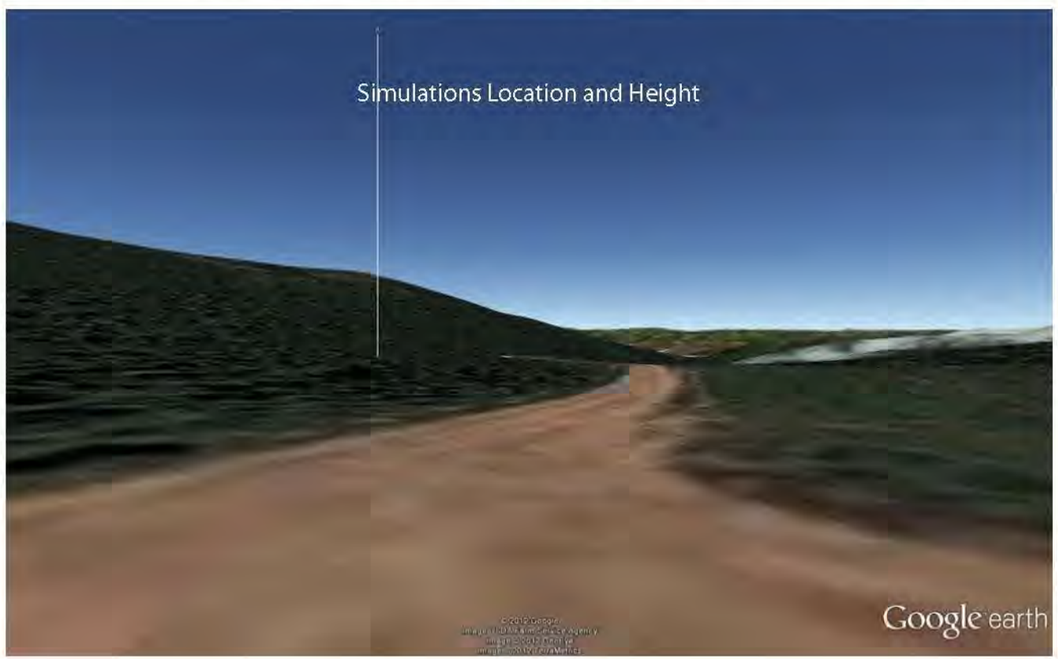
KOP Location

Feet
0 1,400 2,800 5,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-2
White River
Recreation Road
(Segment 1324.4)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/23/2011
District Salt Lake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SL-3
3. VRM Class: USFS VQO Partial Retention
4. Location: White River - StrawberryRd. Backway; Township 5S; Range 11W; Section 18
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountain ridges. Gently sloping mt. park.	Pyramidal shapes of spruce and fir trees and organic shapes of aspen, shrub and grass patterns.	Planar roadway.
LINE	Curvilinear and angular mountain skyline.	Curvilinear tree edges and edges of grass patterns.	Meandering roadway edges.
COLOR	Light to medium grey and brown rock and soil.	Dark olive green trees. Medium to dark green grasses.	Light brown roadway.
TEX-TURE	Smooth landforms, coarse geology.	Coarse trees and shrubs, and smooth grasses.	Smooth access roadway.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing of aspen, spruce, and fir.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear ROW clearing of aspen, spruce, and fir.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Muted greens and tans of exposed background.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth exposed background.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

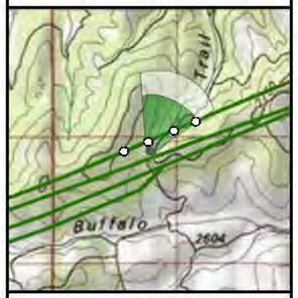
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 07/23/2011

Rationale:
Where the Project would be located within 0.5 miles of the viewer and does not parallel an existing transmission line and/or where access roads and vegetation clearing would occur in moderate to steep terrain, it would have a strong or moderate contrast and would not be consistent with Partial Retention VQO 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 impacts where the Project is located more than 0.5 miles away from viewer locations.

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

Project Location



KOP Location

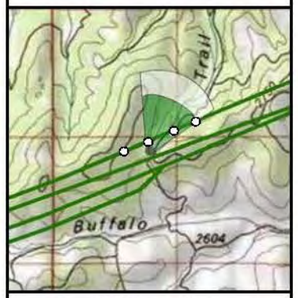
Feet
0 2,250 4,500 9,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-3
White River
Strawberry Road Bckwy
(Segment 1324)

Project Location



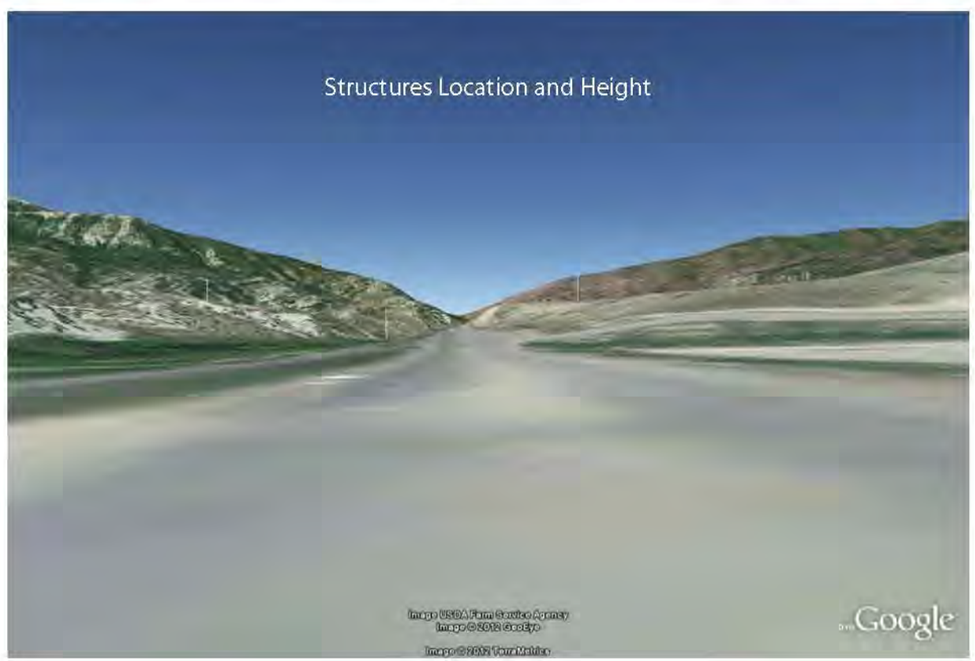
KOP Location

Feet
0 2,250 4,500 9,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-3
(Segment 1324)
Simulated Condition



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/23/2011
District Uinta National Forest
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SL-5

3. VRM Class
USFS VQO Partial Retention

4. Location US-6
Township 10S
Range 5E
Section 2

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal mountain ridges. Inclined planar side slopes. Planar valley floor.	Organic clumps of trees, shrubs and grasses. Continuous surface of pinyon-juniper in the background.	Planar steel lattice towers and strong foreground roadway and railroad. Cylindrical wood poles.
LINE	Angular mountain skyline and side slopes.	Curvilinear tree and shrub edges and edges of grass patterns.	Strongly horizontal foreground roadway. Vertical and horizontal lattice towers and conductors.
COLOR	Light to medium light to medium brown rock and soil.	Dark olive green trees. Light silver grey green sage brush. Golden tan to green grasses.	Light grey tower. Light to medium paved foreground roadway. Dark brown railroad and wooden poles.
TEXTURE	Smooth landforms, coarse geology.	Coarse trees and shrubs, and smooth grasses.	Coarse towers. Smooth to medium foreground roadway and smooth pole structures.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing in pinyon-juniper.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear edges of ROW clearing in pinyon-juniper.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light green to tan of grasses and forbs in ROW clearing in pinyon-juniper.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		Smooth ROW clearing in pinyon-juniper.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	Date
M. Paulson	01/04/13

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-5, VR-7, VR-9, VR-10, and VR-12) 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

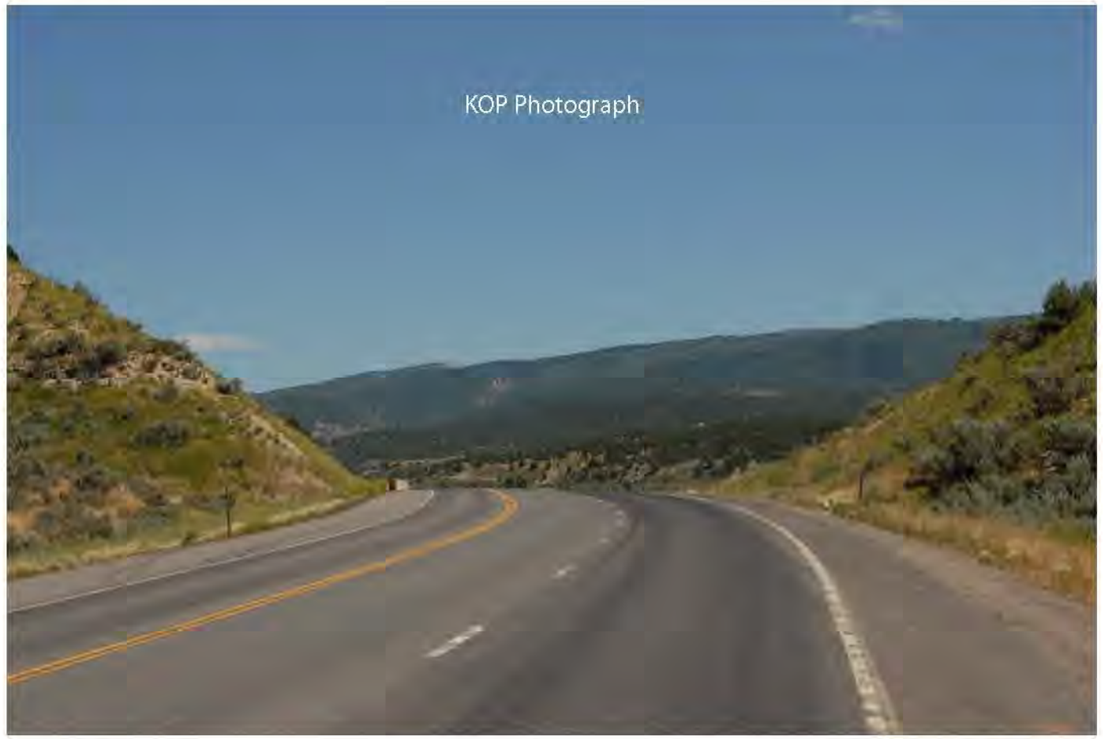
KOP Location

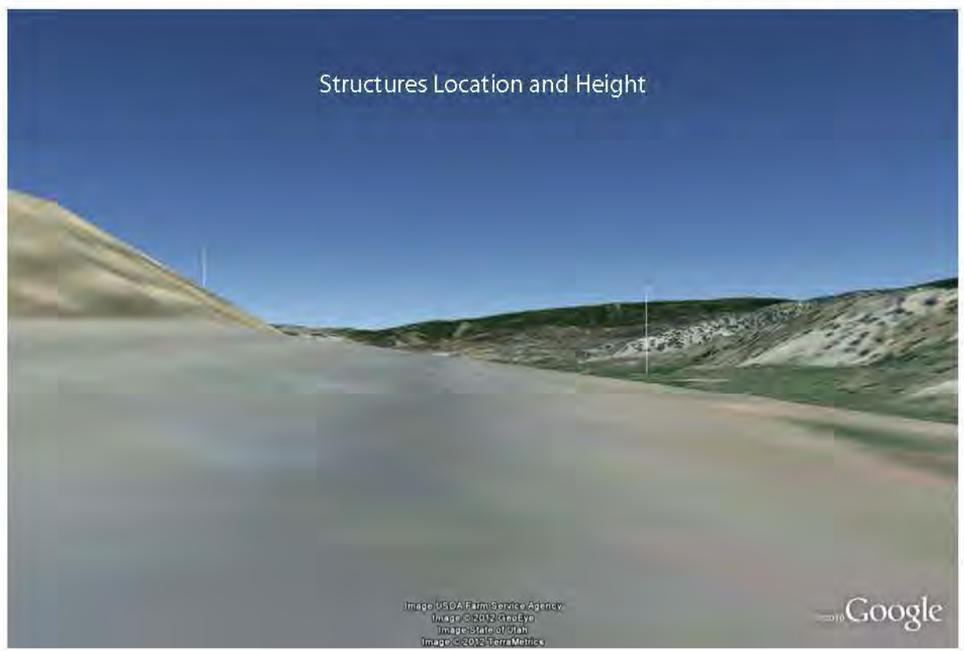
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-5
U.S. 6
(Segment 1217.052)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/23/2011
District Salt Lake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SL-6 - Segment 1325

3. VRM Class
Private

4. Location US-6 (EB)
Township 9S
Range 5E
Section 34

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar mountain ridges. Inclined planar side slopes. Planar valley floor.	Organic clumps of pinyon-juniper, shrubs and grasses. Continuous surface of pinyon-juniper in the background.	Strong foreground roadway.
LINE	Angular mountain skyline and side slopes.	Curvilinear tree and shrub edges and edges of grass patterns.	Strongly horizontal foreground roadway. Horizontal conductors.
COLOR	Light to medium light to medium brown rock and soil.	Dark olive green trees. Light silver gray green sage brush. Golden tan to green grasses.	Light to medium paved foreground roadway.
TEXTURE	Smooth landforms, coarse geology.	Coarse trees and shrubs, and smooth grasses.	Smooth to medium foreground roadway.

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: 01/04/13

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

Project Location

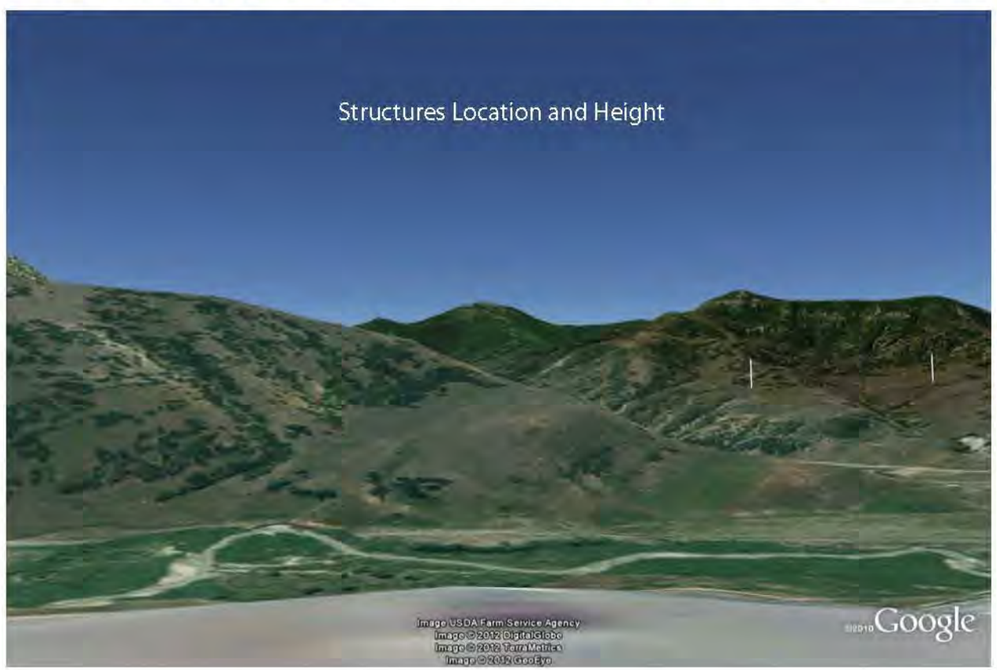
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-6
U.S. 6
(eastbound)
(Segment 1325)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	07/23/2011
District	Salt Lake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location US-6/US-89 Township 9S Range 4E Section 27	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point SL-7		
3. VRM Class Private		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded mountain ridges. Inclined planar side slopes. Planar valley floor.	Organic clumps of shrubs and grasses.	Strongly planar steel lattice towers and conductors.
LINE	Curvilinear mountain skyline, angular side slopes and horizontal valley floor.	Curvilinear shrub edges and edges of grass patterns.	Vertical and horizontal lattice towers and arced conductors. Angular access roads.
COLOR	Light to medium light to medium brown rock and soil.	Light to medium green shrubs. Golden tan to green grasses.	Medium grey tower and light brown access roads.
TEX-TURE	Smooth landforms, coarse geology.	Coarse shrubs, and smooth grasses.	Coarse towers. Smooth access roads.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing in mt. shrubs.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear edges of ROW clearing in mt. shrubs.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light green to tan grasses and forbs in ROW clearing in mt. shrubs.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth ROW clearing in mt. shrubs.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

Project Location

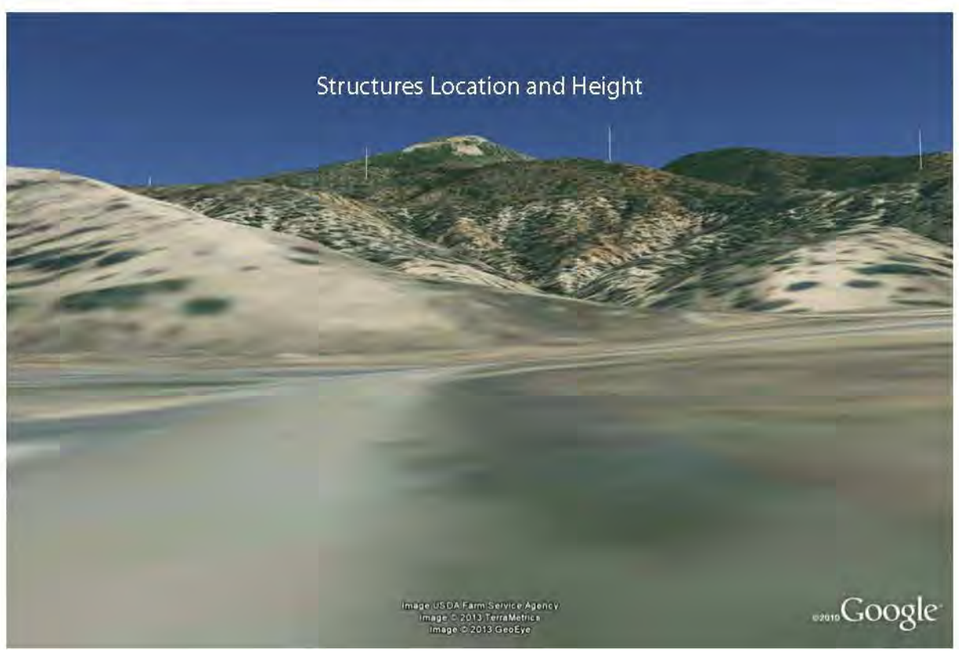
KOP Location

0 1,250 2,500 5,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-7
US-6 / US-89
(Segment 1320.15)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	07/23/2011
District	Salt Lake FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location US 89 - Church Township 10S Range 3E Section 25	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point SL-8 – Segment 1320.15		
3. VRM Class USFS VQO Partial Retention		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded mountain ridges. Inclined planar side slopes. Layered rock formation. Planar valley floor.	Organic clumps of pinyon-juniper, shrubs and grasses.	Strongly planar steel lattice towers and conductors. Cylindrical wood poles.
LINE	Curvilinear mountain skyline, angular side slopes, and banded rock formation.	Curvilinear pinyon-juniper, shrub edges and edges of grass patterns.	Vertical and horizontal lattice towers and arced conductors. Vertical wood poles.
COLOR	Light to medium light to medium brown rock and soil.	Light to medium to dark olive green trees and shrubs. Golden tan to green grasses.	Medium grey tower, light grey conductors, and light brown poles.
TEXTURE	Smooth landforms, coarse geology.	Coarse trees, shrubs, and smooth grasses.	Coarse towers. Smooth access roads.

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	01/4/13

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-3, VR-6, and VR-7) would further reduce contrasts.

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

Project Location

KOP Location

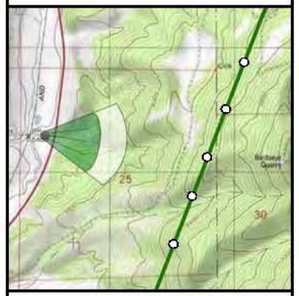
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-8
U.S. 89
Church
(Segment 1320.15)

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-8
Simulated Condition
(Segment 1320.15)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/23/2011
District Salt Lake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SL-9

3. VRM Class
Private

4. Location US-89
Township 11S
Range 3E
Section 13

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar mountain ridges. Inclined planar side slopes. Planar valley floor.	Organic clumps of trees, shrubs and grasses. Continuous surface of pinyon-juniper in the background.	Planar steel lattice towers and strong foreground roadway.
LINE	Angular mountain skyline and side slopes.	Curvilinear tree and shrub edges and edges of grass patterns.	Strongly horizontal foreground roadway. Vertical and horizontal lattice towers and conductors.
COLOR	Light to medium light to medium brown rock and soil.	Dark olive green trees. Light silver grey green sage brush. Golden tan to green grasses.	Light grey tower. Light to medium paved foreground roadway. Dark brown railroad and wooden poles.
TEX-TURE	Smooth landforms, coarse geology.	Coarse trees and shrubs, and smooth grasses.	Coarse towers. Smooth to medium foreground roadway.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Planar ROW clearing in pinyon-juniper.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear edges of ROW clearing in pinyon-juniper.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light green to tan grasses and forbs in ROW clearing in pinyon-juniper.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth ROW clearing in pinyon-juniper.	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

Project Location

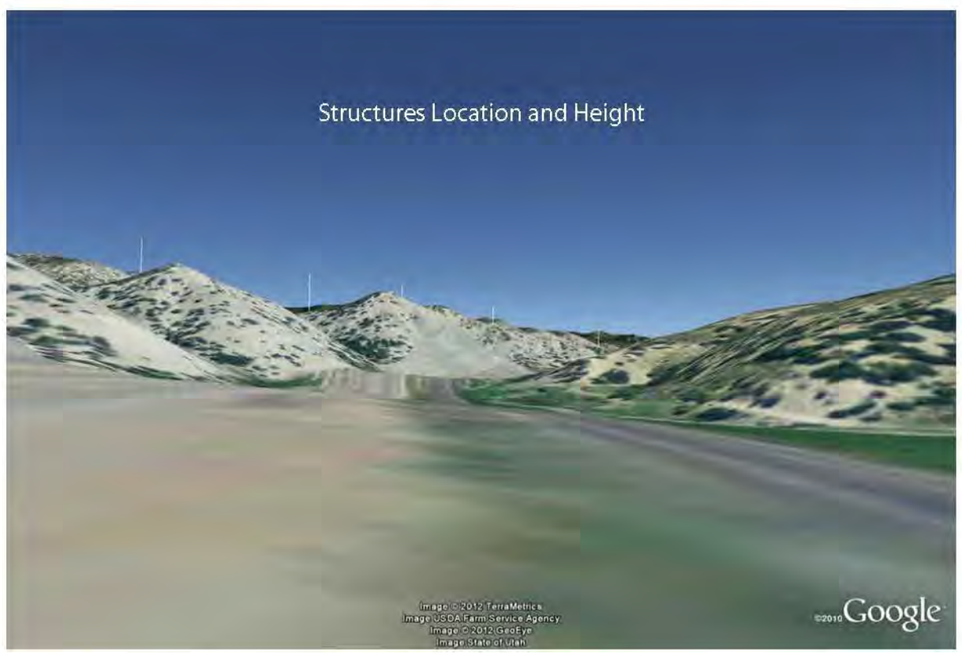
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-9
U.S. 89
(Segment 1320.15)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/3/11
District Uinta National Forest
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SL-10
3. VRM Class: Private
4. Location: US-6 (West of Soldier Summit)
Township 10S
Range 6E
Section 16
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	V-shaped, bold, rugged	Stippled areas on slopes, amorphous patches	Moderately tall, vertical, geometric
LINE	Diagonal, hard	Diffuse edges, irregular	Complex, vertical
COLOR	Greys, reds	Dark greens, tans	Greys, browns
TEXTURE	Medium to coarse grain, smooth surface texture	Medium to coarse grain, uneven/random	Medium grain, sparse density

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	Date
EPG	10/3/11
(Review and update as needed by M. Paulson)	7/24/12

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

Project Location

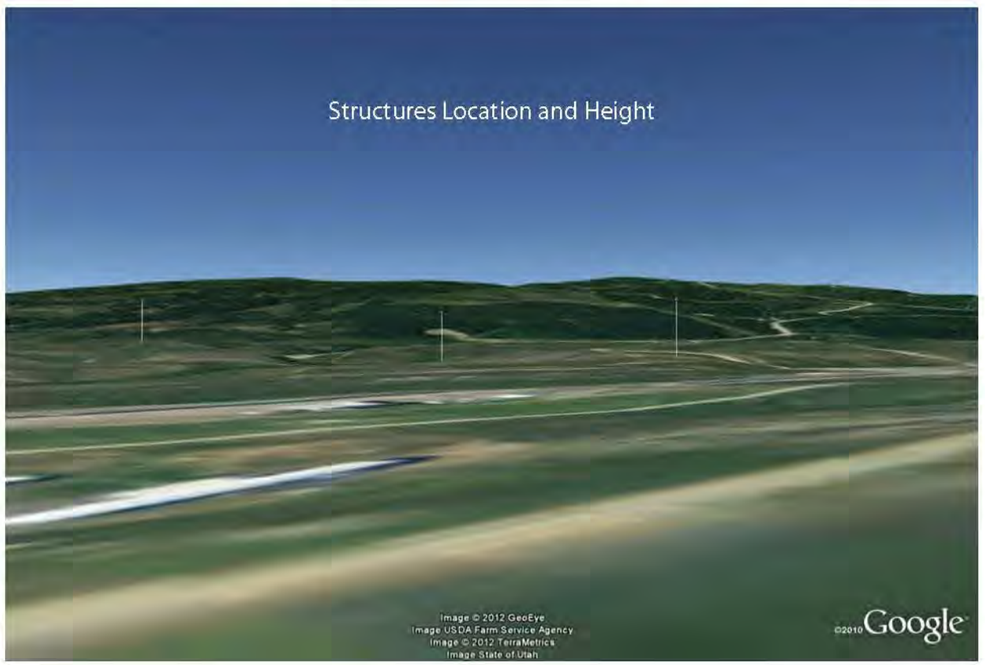
KOP Location

0 1,900 3,800 7,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-10
U.S. Hightway 6
(west of Soldier Summit)
(Segment 1217.052)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	07/24/2011
District Salt Lake FO	
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location US-6 Soldier Summit, Residential Township 10S Range 7E Section 24	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point SL-11		
3. VRM Class Private		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling, domed, smooth.	Diverse, numerous amorphous patches.	Vertical, geometric.
LINE	Smooth, angular, simple	Butt and diffuse edges.	Vertical, diagonal, weak concave/horizontal.
COLOR	Tans	Dark greens, sage greens, tans, seasonal variety.	Grays, browns.
TEX-TURE	Medium grain	Medium to coarse grain.	Ordered, medium grain, dense.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	Date
EPG	10/03/11
(Review and update as needed by M. Paulson)	07/24/12

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

Feet
0 1,400 2,800 5,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-11
Utah State Hwy 10
(northbound)
(Segment 1217.052)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/12/2013
District Salt Lake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: SL-12
3. VRM Class: Private
4. Location: US-6 (NB); Township 18S; Range 8E; Section 5
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar valley floor.	Organic clumps of ranch trees, shrubs and grasses.	
LINE	Horizontal skyline. Strong ridgelines.	Curvilinear tree and shrub edges and edges of grass patterns.	
COLOR	Light to medium light to medium grey-brown soil.	Dark olive green trees. Golden tan to green grasses.	
TEXTURE	Smooth.	Coarse trees and shrubs, and smooth grasses.	

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: 10/12/2013

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 SL-12
US-6
(northbound)
(Segment 1219.5)

Project Location

KOP Location

0 2,950 5,900 11,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-12
Simulated Condition
(Segment 1219.5)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/12/2013
District Salt Lake FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
SL-13

3. VRM Class
Private

4. Location US-6 (NB)
Township 10S
Range 8E
Section 30

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar valley floor.	Organic clumps of ranch trees, shrubs and grasses.	
LINE	Horizontal skyline. Strong ridgelines.	Curvilinear tree and shrub edges and edges of grass patterns.	
COLOR	Light to medium light to medium grey-brown soil.	Dark olive green trees. Golden tan to green grasses.	
TEXTURE	Smooth.	Coarse trees and shrubs, and smooth grasses.	

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		

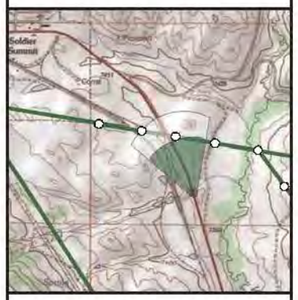
2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

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

Evaluator's Names: M. Paulson
Date: 10/12/2013

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

Project Location



KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-13
US-6
(northbound)
(Segment 1219.3)