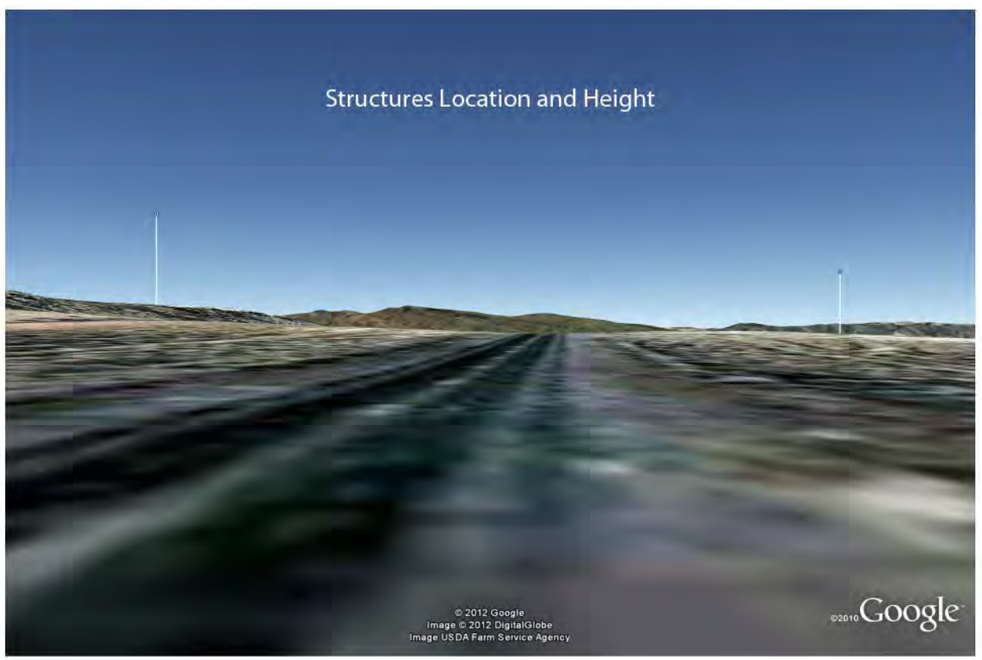


Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/03/2010
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
R-5

3. VRM Class
Private

4. Location Wyoming SH 71(northbound)
Township 21N
Range 87W
Section 31

5. Location Sketch
Please see Figure 3.1-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar angular, horizontal, and rolling ridges. Angular side slopes and erosion cuts.	Organic planes of grasses.	Planar foreground roadway. Cubed structures. Linear markers and fence posts.
LINE	Strong foreground angular skyline. Angular side slopes. Linear, mostly horizontal rock formations.	Indistinct grasses.	Linear horizontal foreground roadway, horizontal and vertical structures, and vertical markers and fence posts..
COLOR	Medium, tan and brown landform.	Light tan to brown grasses.	Medium to dark grey foreground roadway, white to light grey structures, and dark brown fence posts.
TEX-TURE	Smooth, moderate, and coarse landform..	Smooth to coarse grasses.	Smooth to medium foreground roadway , markers, and fence posts..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ **SHORT TERM** ☑ **LONG TERM**

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form									X			
	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 10/03/2010

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

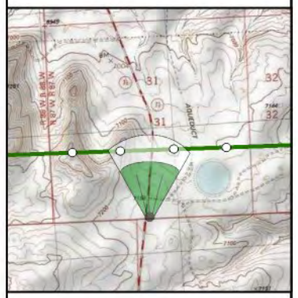
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-5
Wyoming State Hwy 71
(northbound)
(Segment 30)

Project Location



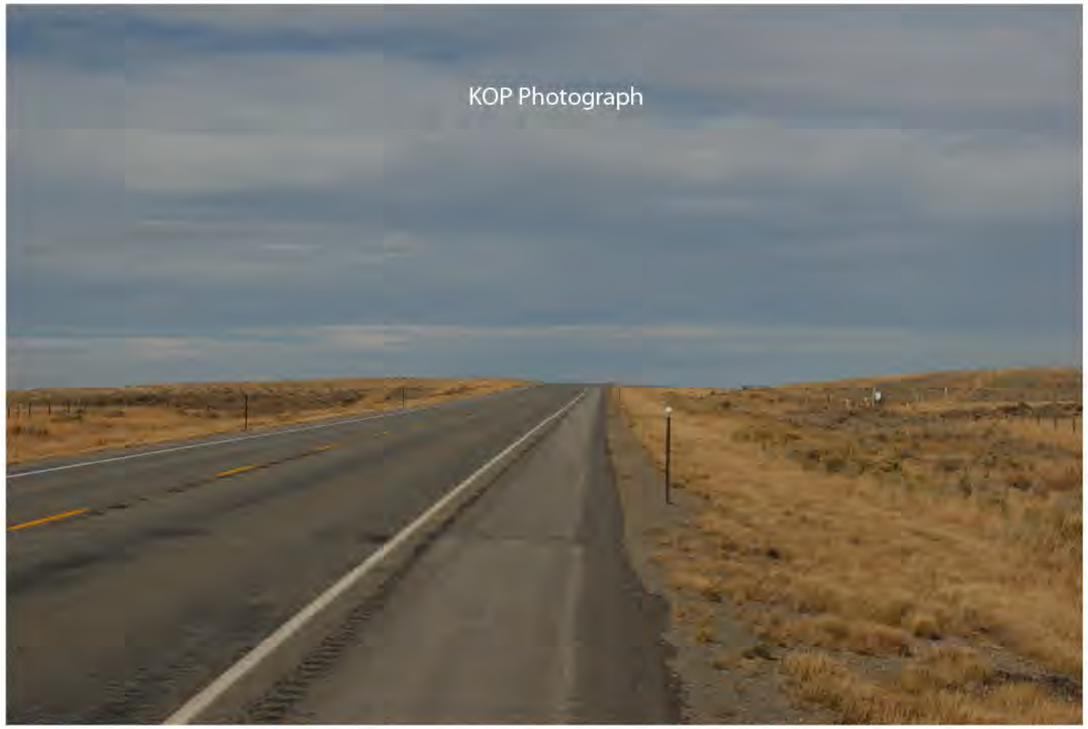
KOP Location

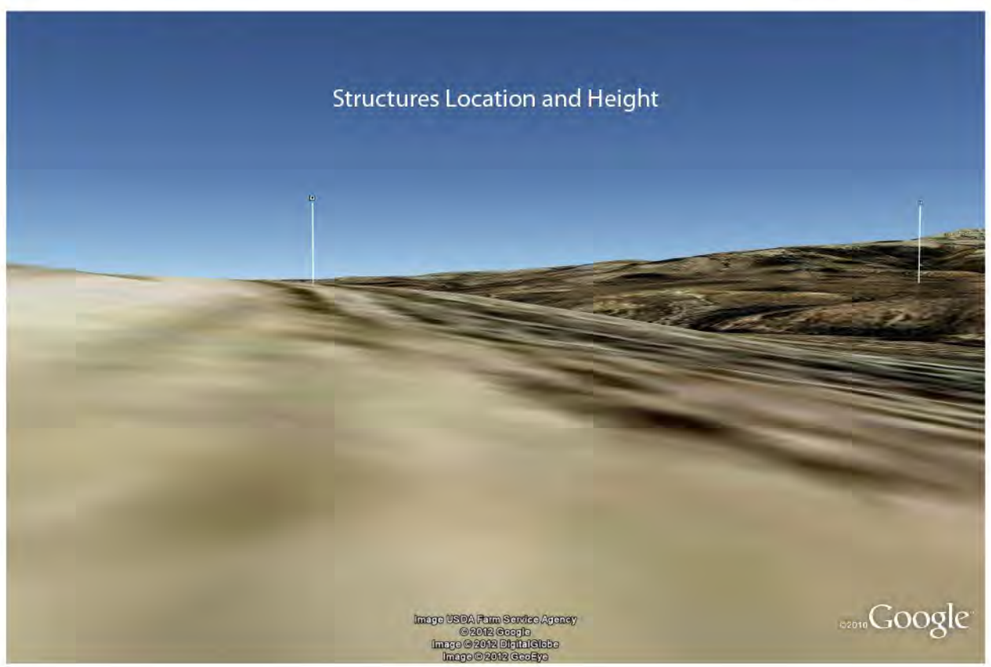
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-5
Simulated Condition
(Segment 30)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/15/2011
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: R-6
3. VRM Class: IV (VRI Class II)
4. Location: Wyoming SH 789 (northbound)
Township 19N
Range 92W
Section 3
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and rolling ridges. Angular side slopes and erosion cuts.	Organic clumps of rabbitbrush, sagebrush and grasses.	Planar foreground roadway. Linear markers and fence posts.
LINE	Strong horizontal skyline. Angular side slopes.	Indistinct sagebrush, rabbitbrush and grasses.	Linear horizontal foreground roadway, and vertical markers and fence posts..
COLOR	Medium, grey and brown exposed eroded slopes.	Yellowish olive green rabbitbrush. Olive green sagebrush. Golden tan to brown grasses and forbs.	Light to medium grey foreground roadway, green markers, and dark brown fence posts.
TEX-TURE	Smooth to moderate exposed soils.	Coarse sagebrush and rabbitbrush. Smooth to coarse grasses.	Smooth to medium foreground roadway , markers, and fence posts..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 10/15/2011

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 R-6
Wyoming SH 789
(northbound)
(Segment 130)

Project Location

KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-6
Simulated Condition
(Segment 130)

Project Location

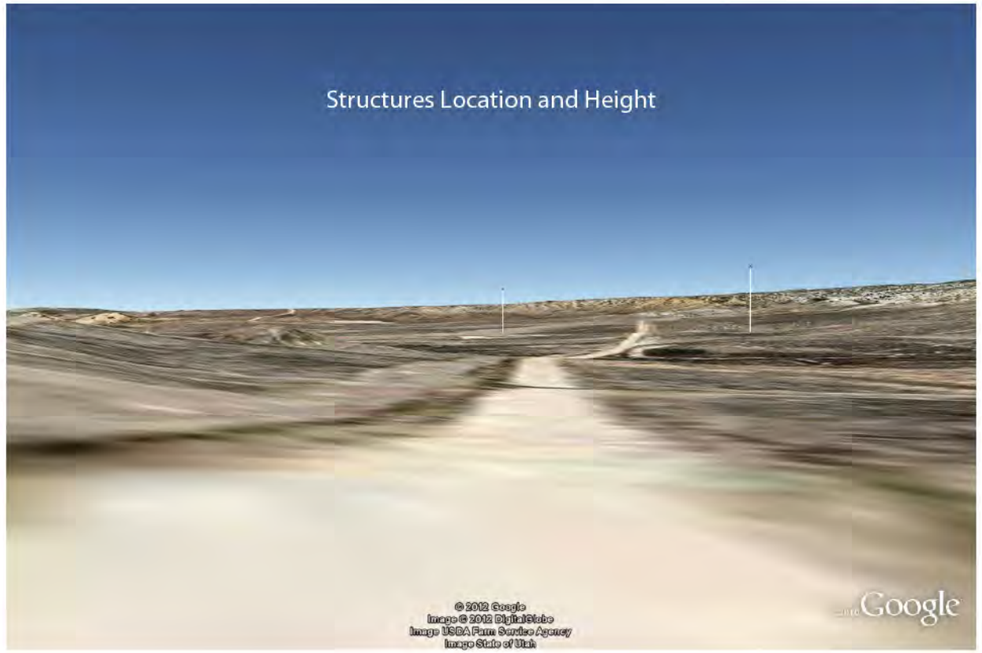
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-6
Cumulative Condition
(Segment 130)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/03/2010
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
R-7

3. VRM Class
III (VRI Class III)

4. Location Poison Buttes Road)
Township 12N
Range 92W
Section 4

5. Location Sketch
Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar angular, horizontal, and rolling ridges. Angular side slopes and erosion cuts.	Organic shapes of sagebrush and grasses.	NA
LINE	Strong foreground angular skyline. Angular side slopes. Linear, mostly horizontal rock formations.	Indistinct sagebrush and grasses.	NA
COLOR	Light to medium tan and brown landform and exposed soils.	Light grey-green sagebrush and light tan to brown grasses.	NA
TEX-TURE	Smooth, moderate, and coarse landform..	Smooth to coarse sagebrush and grasses.	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form									X			
	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: 10/03/2010

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

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

Project Location

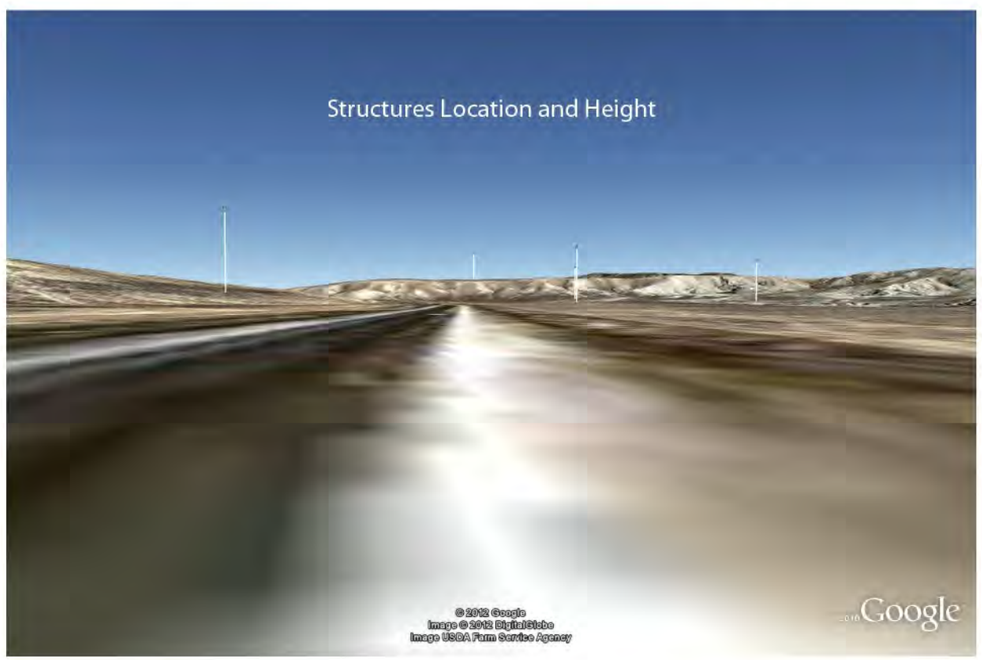
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-7
Poison Buttes Road
(Segment 170.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/03/2010
District	Rawlins FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Wyoming SH 789 (northbound) Township 13N Range 91W Section 15	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point R-8		
3. VRM Class IV (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and rolling ridges. Angular side slopes and erosion cuts.	Organic clumps of rabbitbrush, sagebrush and grasses.	Planar foreground roadway. Linear markers and fence posts.
LINE	Strong horizontal skyline. Angular side slopes.	Indistinct sagebrush, rabbitbrush and grasses.	Linear horizontal foreground roadway, and vertical markers and fence posts..
COLOR	Light to medium tan and brown exposed eroded slopes.	Yellowish olive green rabbitbrush. Olive green sagebrush. Golden tan to brown grasses and forbs.	Light to medium grey foreground roadway, green markers, and dark brown fence posts.
TEX-TURE	Smooth to moderate exposed soils.	Coarse sagebrush and rabbitbrush. Smooth to coarse grasses.	Smooth to medium foreground roadway , markers, and fence posts..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form									X			
	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	10/03/2010

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

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

Project Location

KOP Location

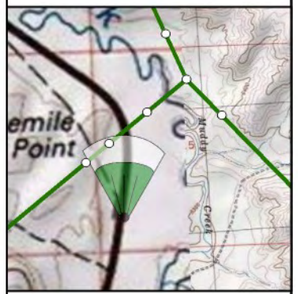
Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-8
Wyoming State Hwy 789
(northbound)
(Segment 170)

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-8
Simulated Condition
(Segment 170)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/03/2010
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: R-9
3. VRM Class: IV (VRI Class III)
4. Location: Wyoming SH 70 (eastbound); Township 12N; Range 90W; Section 7
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and rolling ridges. Angular side slopes and erosion cuts.	Organic clumps of rabbitbrush, sagebrush and grasses.	Planar foreground roadway. Linear markers and fence posts. Cubed ranch buildings
LINE	Strong horizontal skyline. Angular side slopes.	Indistinct sagebrush, rabbitbrush and grasses.	Linear horizontal foreground roadway, and vertical markers and fence posts..Horizontal and vert. ranch blds.
COLOR	Light to medium tan and brown exposed eroded slopes.	Yellowish olive green rabbitbrush. Olive green sagebrush. Golden tan to brown grasses and forbs.	Light to medium grey foreground roadway, green markers, and dark brown fence posts.
TEX-TURE	Smooth to moderate exposed soils.	Coarse sagebrush and rabbitbrush. Smooth to coarse grasses.	Smooth to medium foreground roadway , markers, and fence posts..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 10/03/2010

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

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

Project Location

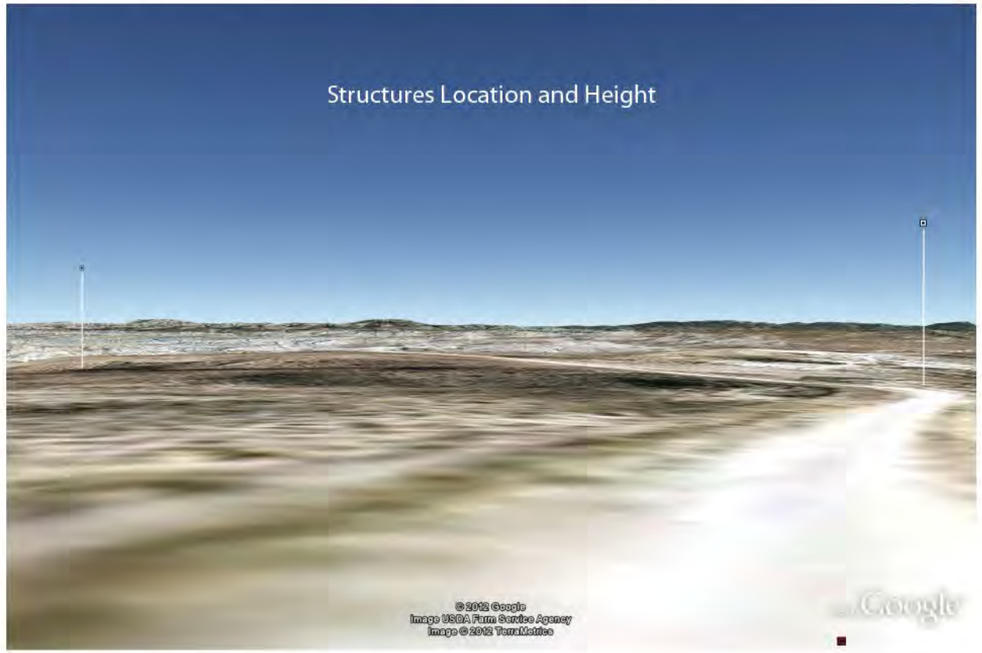
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-9
Wyoming State Hwy 70
(eastbound)
(Segment 190)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/03/2010
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: R-10
3. VRM Class: III (VRI Class III)
4. Location: Cherokee Trail Road)
Township 13N
Range 94W
Section 30
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar angular, horizontal, and rolling ridges. Angular side slopes and erosion cuts.	Organic shapes of sagebrush and grasses. Planar pipeline ROW.	Planar roads.
LINE	Strong foreground angular skyline. Angular side slopes. Linear, mostly horizontal rock formations.	Indistinct sagebrush and grasses. Linear pipeline ROW	Linear roads.
COLOR	Light to medium tan and brown landform and exposed soils.	Light grey-green sagebrush and light tan to brown grasses. Medium brown pipeline ROW.	Light tan roads.
TEX-TURE	Smooth, moderate, and coarse landform..	Smooth to coarse sagebrush and grasses.	Smooth roads.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 10/03/2010

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

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

Project Location

KOP Location

Feet
0 1,400 2,800 5,600
N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-10
Cherokee Trail Road
(Segment 70)

Project Location

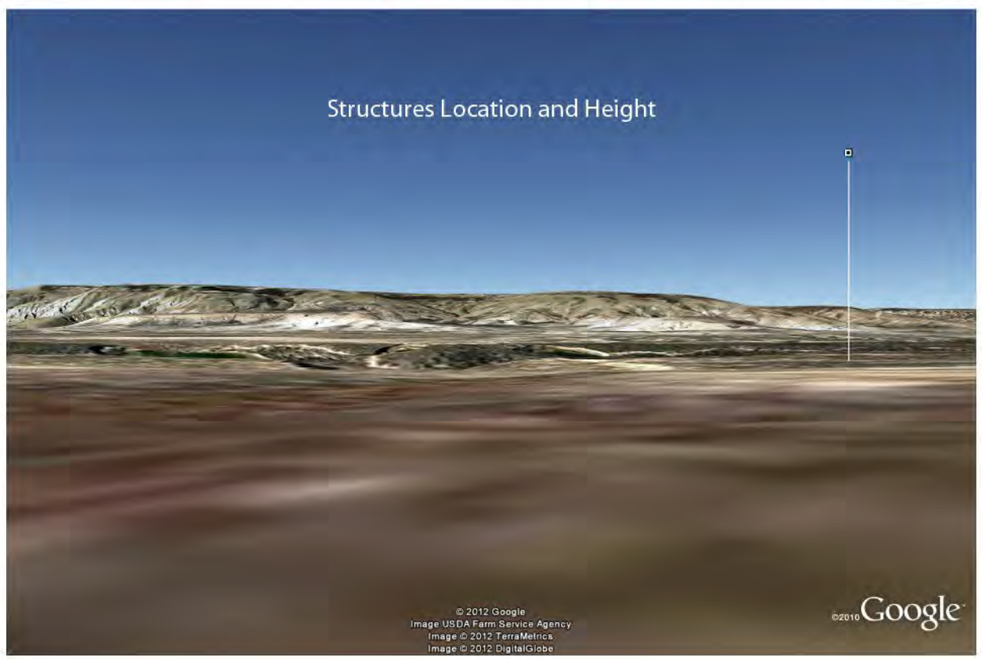
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-10
Simulated Condition
(Segment 70)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Old Cheroke Trail/WyomingSH 789 Township 13N Range 91W Section 4	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point R-11		
3. VRM Class IV (VRI-Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes and erosion cuts.	Organic clumps of sagebrush and grasses.	Planar foreground fence posts. Columnar utility poles. Middleground curvilinear roadway.
LINE	Strong angular skyline. Angular side slopes. Horizontal valley floor.	Indistinct sagebrush and grasses. Meandering greasewood.	Linear vertical fence posts and utility poles.
COLOR	Very light, medium, and dark grey and brown exposed eroded slopes.	Yellowish olive green sagebrush. Golden tan to brown grasses and forbs.	Dark brown fence posts and utility poles.
TEX-TURE	Smooth to moderate exposed soils.	Coarse sagebrush and background junipers. Smooth to coarse grasses.	Smooth to fence posts and utility poles..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

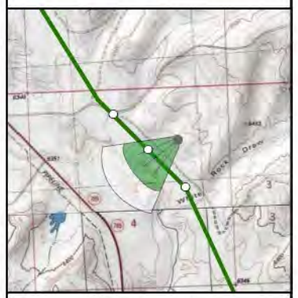
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



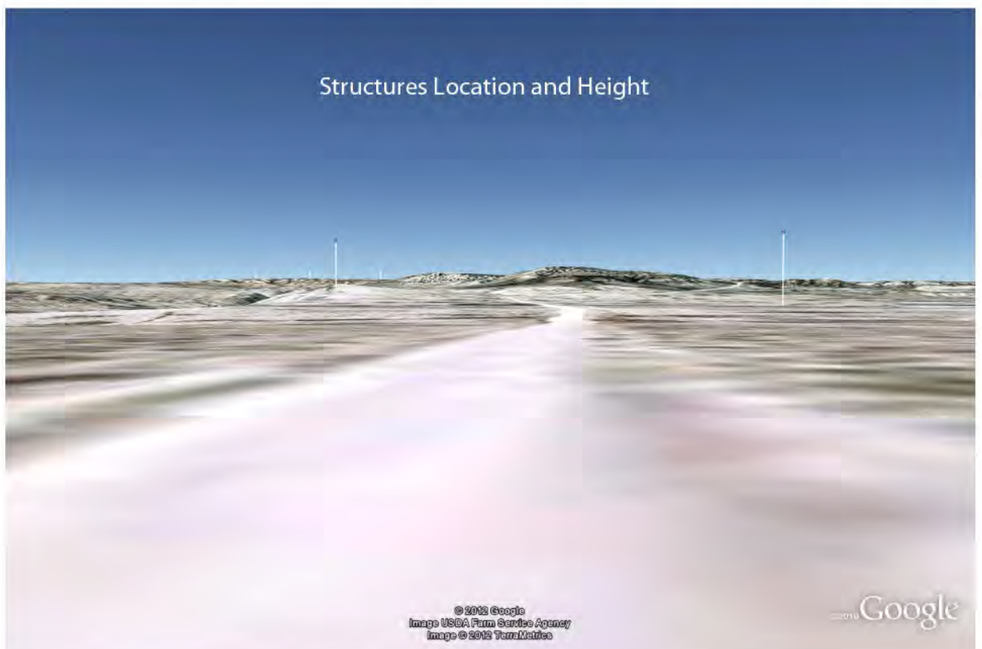
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-11
Old Cherokee Trail - near Wyoming State Hwy 789
(Segment 140.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/11/2011
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: R-12
3. VRM Class: III (VRI Class III)
4. Location: Shell Creek Stock Trail; Township 13N; Range 94W; Section 22
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar angular, horizontal, and rolling ridges. Angular side slopes and erosion cuts.	Organic shapes of pinon-juniper, sagebrush and grasses.	Planar roads.
LINE	Strong foreground angular skyline. Angular side slopes. Linear, mostly horizontal rock formations.	Indistinct pinon-juniper, sagebrush and grasses.	Linear meandering roads.
COLOR	Light to medium tan and brown landform and exposed soils.	Dark green pinon-juniper. Light grey-green sagebrush and light tan to brown grasses.	Light tan roads.
TEX-TURE	Smooth, moderate, and coarse landform..	Smooth to coarse pinon-juniper, sagebrush and grasses.	Smooth roads.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

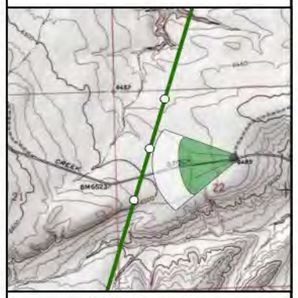
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 08/11/2011

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

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

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-12
Shell Creek Stock Trail
(Segment 120)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/15/2011
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: R-13
3. VRM Class: IV (VRI Class II)
4. Location: Overland Trail-Wyoming SH 789; Township 17N; Range 92W; Section 9
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes and erosion cuts.	Organic clumps of pinyon-juniper, sagebrush and grasses.	Planar foreground roadway. Linear markers and fence posts.
LINE	Strong horizontal skyline. Angular side slopes. Horizontal valley floor.	Indistinct sagebrush, pinyon-juniper and grasses. Meandering sagebrush.	Linear horizontal foreground roadway, and vertical markers and fence posts..
COLOR	Very light, medium, and dark grey and brown exposed eroded slopes.	Bluish olive green sagebrush. Dark green PJ. Golden tan to brown grasses and forbs.	Light to medium grey foreground roadway, green markers, and dark brown fence posts.
TEX-TURE	Smooth to moderate exposed soils.	Coarse PJ and sagebrush. Smooth to coarse grasses.	Smooth to medium foreground roadway , markers, and fence posts..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and spherical jumpers, and tubular conductors.
LINE			Vertical steel lattice structures, rounded jumpers, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, jumpers, and conductors.
TEX-TURE			Course 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		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: M. Paulson
Date: 11/15/2011

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

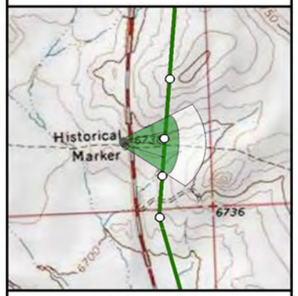
Feet
0 700 1,400 2,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-13
Overland Trail
Wyoming SH 789
(Segment 130)

Project Location



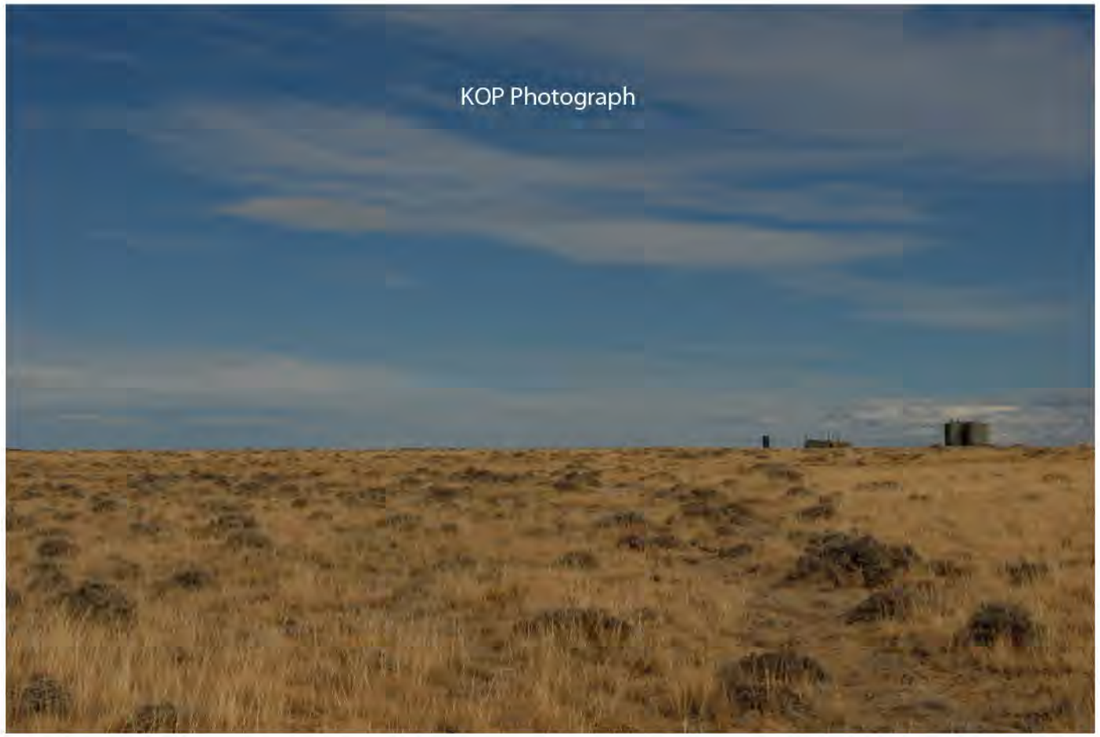
KOP Location

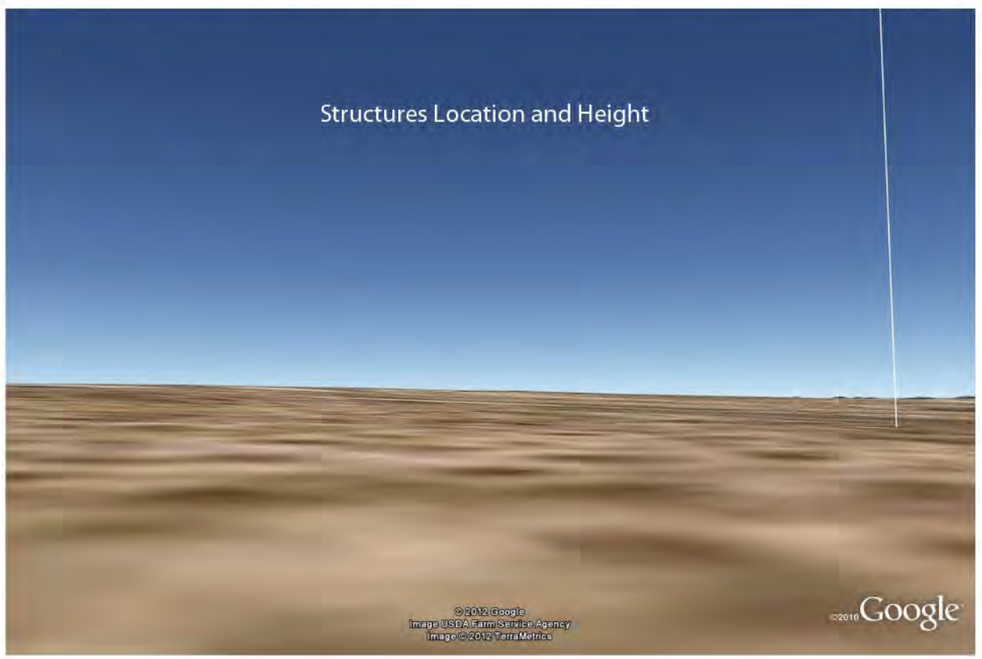
0 700 1,400 2,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-13
Simulated Condition
(Segment 130)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/15/2011
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: R-14
3. VRM Class: III (IV)
4. Location: Overland Trail; Township 17N; Range 93W; Section 16
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes and erosion cuts.	Organic clumps of rabbitbrush, sagebrush and grasses.	Planar foreground roadway. Pyramidal pump jacks and cylindrical tanks.
LINE	Strong horizontal skyline. Angular side slopes. Horizontal valley floor.	Indistinct sagebrush, rabbitbrush and grasses. Meandering greasewood.	Linear horizontal foreground roadway, complex pump jacks and curvilinear and vertical tanks..
COLOR	Very light, medium, and dark grey and brown exposed eroded slopes.	Yellowish olive green rabbitbrush. Golden tan to brown grasses and forbs.	Light to medium brown foreground roadway and dark brown pump jacks and tanks.
TEX-TURE	Smooth to moderate exposed soils.	Coarse junipers and greasewood. Smooth to coarse grasses.	Smooth to medium foreground roadway and pump jacks and tanks..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

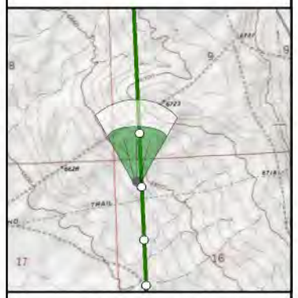
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



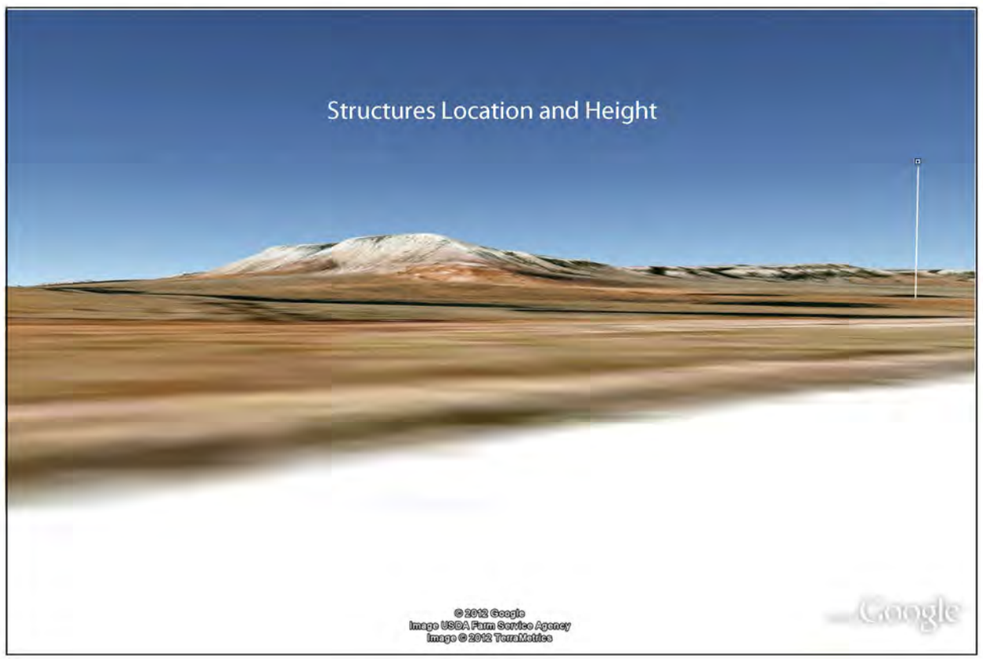
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-14
Overland Trail
(Segment 110)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/15/2011
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: R-15
3. VRM Class: Private
4. Location: Overland Trail, Township 17N, Range 94W, Section 22
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes and erosion cuts.	Organic clumps of greasewood, sagebrush and grasses.	Planar foreground roadway. Linear fence posts.
LINE	Strong horizontal skyline. Angular side slopes. Horizontal valley floor.	Indistinct sagebrush, greasewood and grasses. Meandering greasewood.	Linear horizontal foreground roadway and vertical fence posts..
COLOR	Very light, medium, and dark grey and brown exposed eroded slopes.	Yellowish olive green greasewood. Golden tan to brown grasses and forbs.	Light to medium brown foreground roadway and fence posts.
TEX-TURE	Smooth to moderate exposed soils.	Coarse junipers and greasewood. Smooth to coarse grasses.	Smooth to medium foreground roadway and fence posts..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

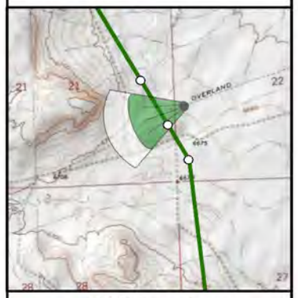
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:

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

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-15
Overland Trail
(Segment 60)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 05/31/2012
District Rawlins FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: R-16
3. VRM Class: III (VRI Class III)
4. Location: Shell Creek Stock Trail westbound
Township_____
Range_____
Section_____
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar angular, horizontal, and rolling ridges. Angular side slopes and erosion cuts.	Organic shapes of sagebrush and grasses.	Planar road.
LINE	Strong foreground angular skyline. Angular side slopes. Linear, mostly horizontal rock formations.	Indistinct sagebrush and grasses.	Linear meandering road.
COLOR	Light to medium tan and brown landform and exposed soils.	Light to dark grey-green sagebrush and light tan to brown grasses.	Light tan road.
TEX-TURE	Smooth, moderate, and coarse landform.	Smooth to coarse sagebrush and grasses.	Smooth road.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

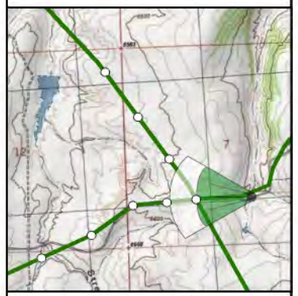
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 05/31/2012

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

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

Project Location



KOP Location

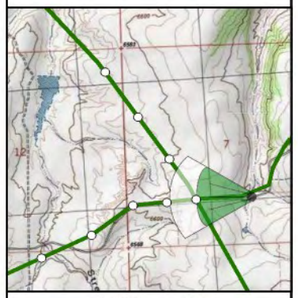
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-16
Shell Creek Stock Trail
(westbound)
(Segment 116)

Project Location



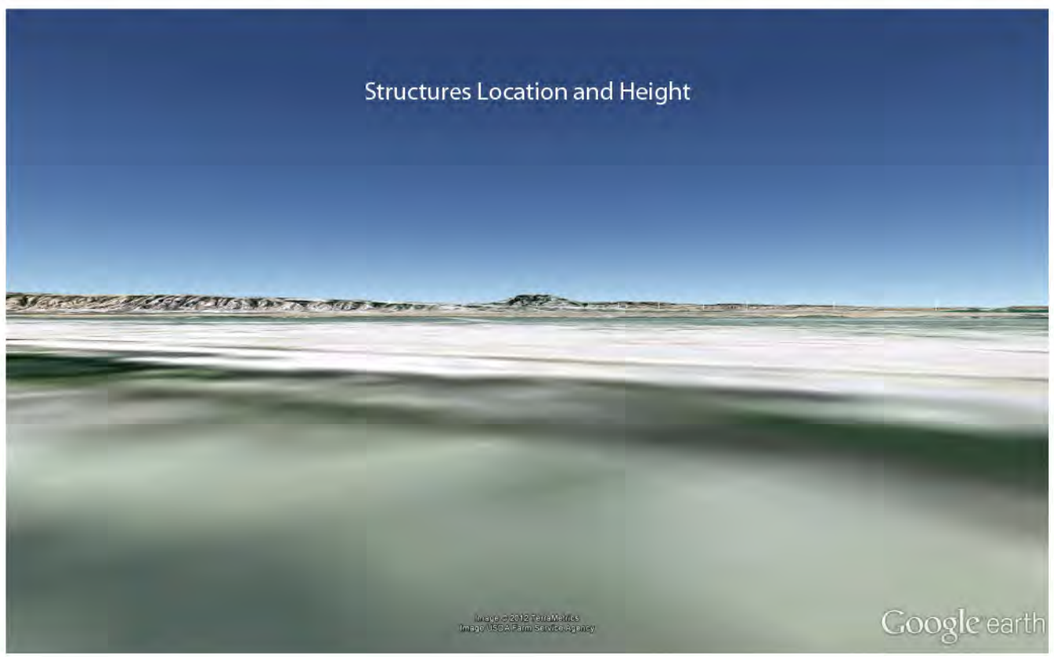
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-16
Simulated Condition
(Segment 116)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 05/29/2012
District Rock Springs FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: R-17
3. VRM Class: IV (VRI Class IV)
4. Location: Wyoming SH 789 (southbound)
Township_____
Range_____
Section_____
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes and erosion cuts.	Organic clumps of greasewood, sagebrush and grasses.	Horizontal foreground roadway.
LINE	Strong horizontal and angular skyline. Angular lines of side slopes. Horizontal valley floor.	In distinct sagebrush, greasewood and grasses. Meandering greasewood.	Linear horizontal foreground roadway.
COLOR	Very light, medium, and dark reddish brown exposed soils and eroded slopes.	Yellowish olive green greasewood. Golden tan to brown grasses and forbs.	Light to medium grey foreground roadway.
TEX-TURE	Smooth to moderate exposed soils.	Coarse junipers and greasewood. Smooth to coarse grasses.	Smooth to medium foreground roadway.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

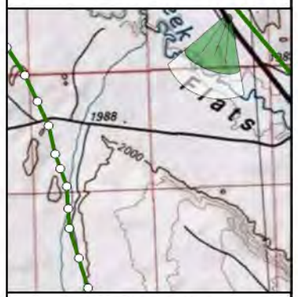
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 05/29/2012

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



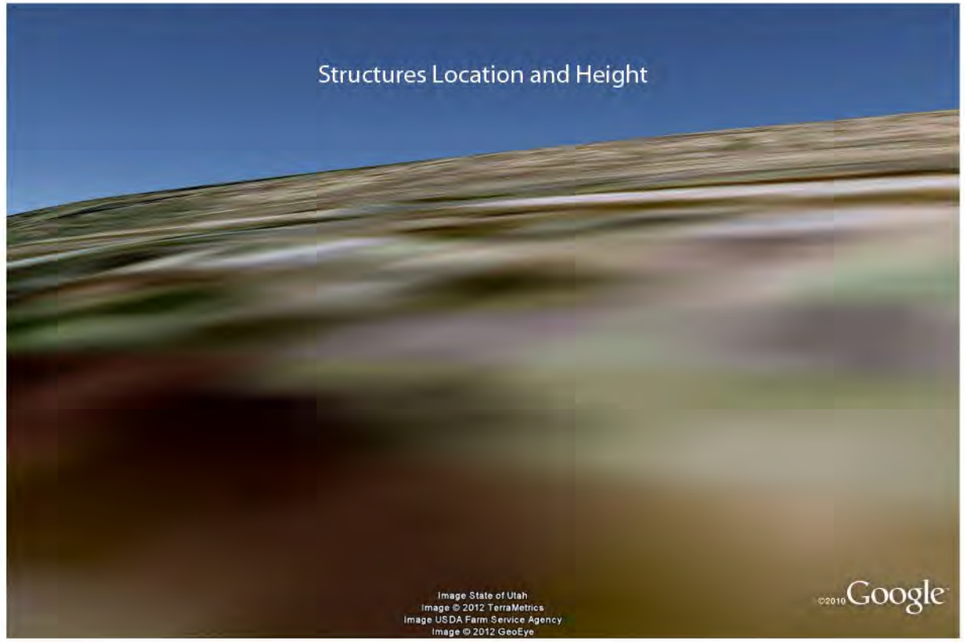
KOP Location

0 2,375 4,750 9,500 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-17
Wyoming State Hwy 789
(southbound)
(Segment 140)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/24/2011
District Manti-LaSal NF
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-2
3. VRM Class: USFS VQO Partial Retention
4. Location: Skyline Rd. NB; Township 15S; Range 5E; Section
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. Inclined planar side slopes.	Pyramidal clumps and surfaces of tundra spruce and fir.	Planar wood poles and conductors and curved roadways.
LINE	Horizontal mountain skyline, angular side slopes and inclined snowfield..	Toothed skyline edges of forest.	Vertical and horizontal structures and roadways.
COLOR	Light to medium light to medium brown rock and soil.	Light to medium to dark olive green trees. Light and medium green tundra grasses and forbs.	Medium to dark brown structures and roadways. Dark grey conductors.
TEX-TURE	Smooth landforms.	Smooth to 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

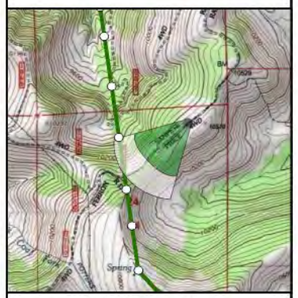
3. Additional mitigating measures recommended ☐ Yes ☑ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 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-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 Rich-2
Skyline Road
(northbound)
(Segment 310)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
Rich-3

3. VRM Class
IV

4. Location Mountainville Road NB
Township 14S
Range 4E
Section 35

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded mountains and prominent planar valley floor.	Clump of homestead trees, shrubs and grasses.	Planar roadway and planar 345-kV wood tower. Cuboid residential structures.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges. Rectilinear cropland.	Curvilinear paved roadway and vertical and horizontal tower.
COLOR	Light to medium reddish tan and brown soil.	Light to medium to dark green trees cropland, shrubs and grasses.	Light to medium grey road and medium to dark brown towers.
TEX-TURE	Smooth to medium 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

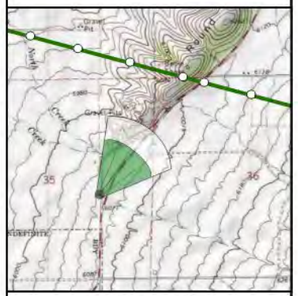
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:
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



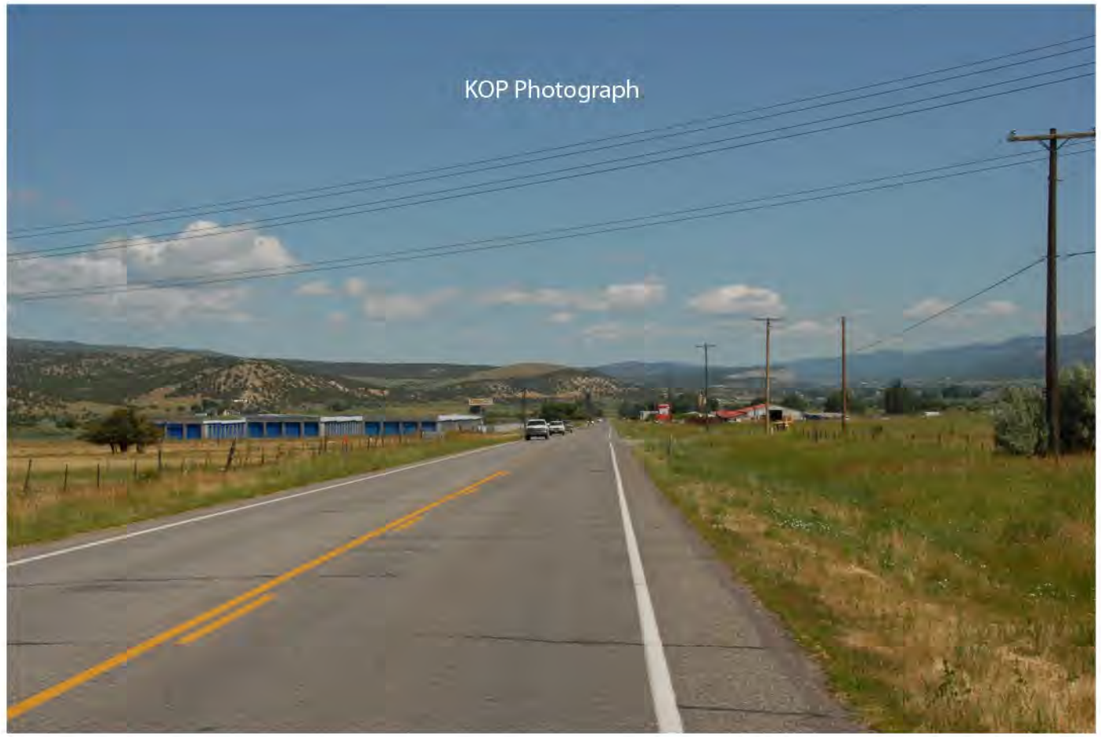
KOP Location

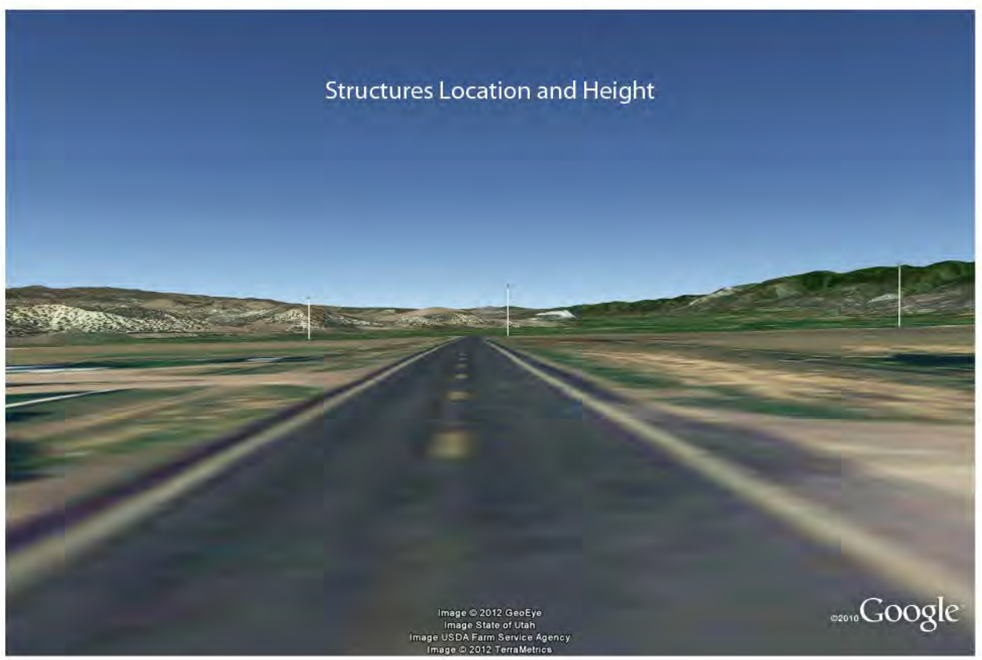
Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-3
Mountainville Road
(northbound)
(Segment 310)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	07/27/2011
District	Richfield FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**4. Location** US 89 NB **Township** 14S **Range** 4E **Section** 34	**5. Location Sketch** Please see Figure 3.12-2
2. Key Observation Point Rich-4		
3. VRM Class IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded mountains and prominent planar valley floor.	Clump of homestead trees, shrubs and grasses.	Planar roadway and planar 345-kV wood tower and conductors. Cuboid residential structures.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges. Rectilinear cropland.	Curvilinear paved roadway and vertical and horizontal tower and conductors.
COLOR	Light to medium reddish tan and brown soil.	Light to medium to dark green trees cropland, shrubs and grasses.	Light to medium grey road and medium to dark brown towers.
TEX-TURE	Smooth to medium 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.
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												

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

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

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

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

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

Project Location

KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-4
U.S. 89
(northbound)
(Segment 310)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-5
3. VRM Class: IV
4. Location: US 89 SB; Township 14S; Range 4E; Section 22
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded and angular mountains and prominent planar valley floor.	Clump of homestead trees, shrubs and grasses.	Planar roadway and planar 345-kV wood tower and conductors. Cuboid residential structures. Cylindrical wood poles.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges. Rectilinear cropland.	Curvilinear paved roadway and vertical and horizontal towers, conductors and poles.
COLOR	Light to medium reddish tan and brown soil.	Light to medium to dark green trees cropland, shrubs and grasses.	Light to medium grey road and medium to dark brown towers and poles.
TEX-TURE	Smooth to medium 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.
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												
Texture												

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

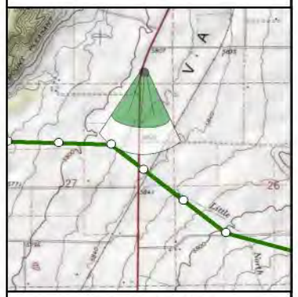
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



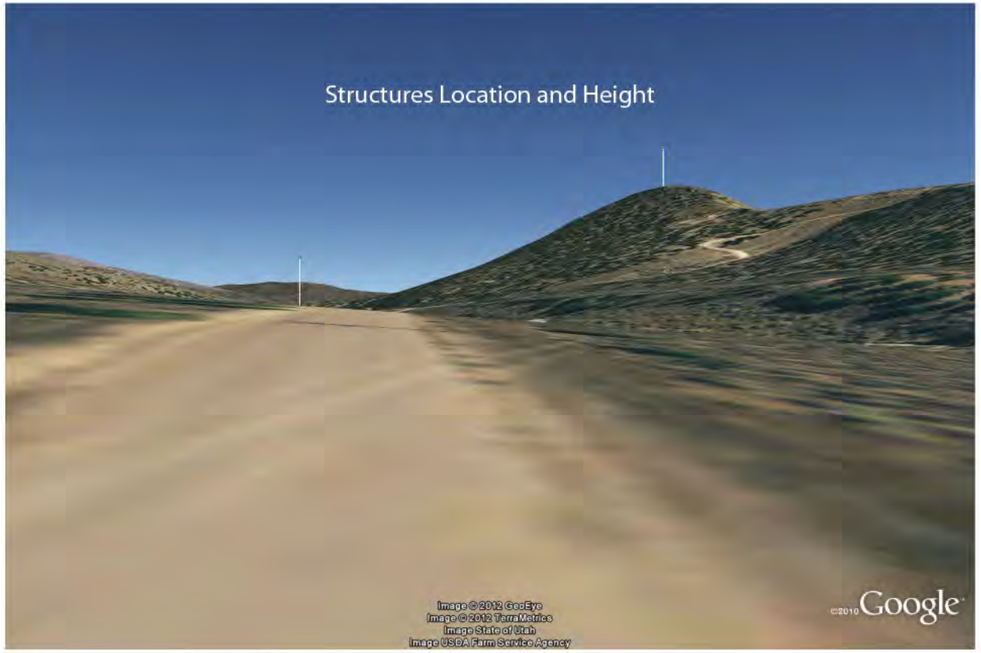
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-5
U.S. 89
(southbound)
(Segment 310)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
Rich-7

3. VRM Class
IV

4. Location Big Hollow Road–Fountain Green
Township 13S
Range 3E
Section 32

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded and angular mountains and prominent planar valley floor.	Blanket and clumps of pinon-juniper trees, sagebrush and grasses in ROW clearing.	Planar roadway and planar 345-kV steel lattice wood towers and conductors. Cylindrical wood poles.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges.Linear ROW edge.	Curvilinear paved roadway and vertical and horizontal towers, conductors and poles.
COLOR	Light to medium reddish tan and brown soil.	Light to medium to dark green trees, silvery green shrubs and grasses.	Light to medium grey road and medium to dark brown towers and poles. Light tan to grey conductors.
TEX-TURE	Smooth to medium 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.
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												

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

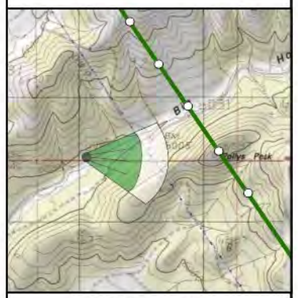
3. Additional mitigating measures recommended ☐ Yes ☐ No **(Explain on reverse side)**

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

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

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

Project Location



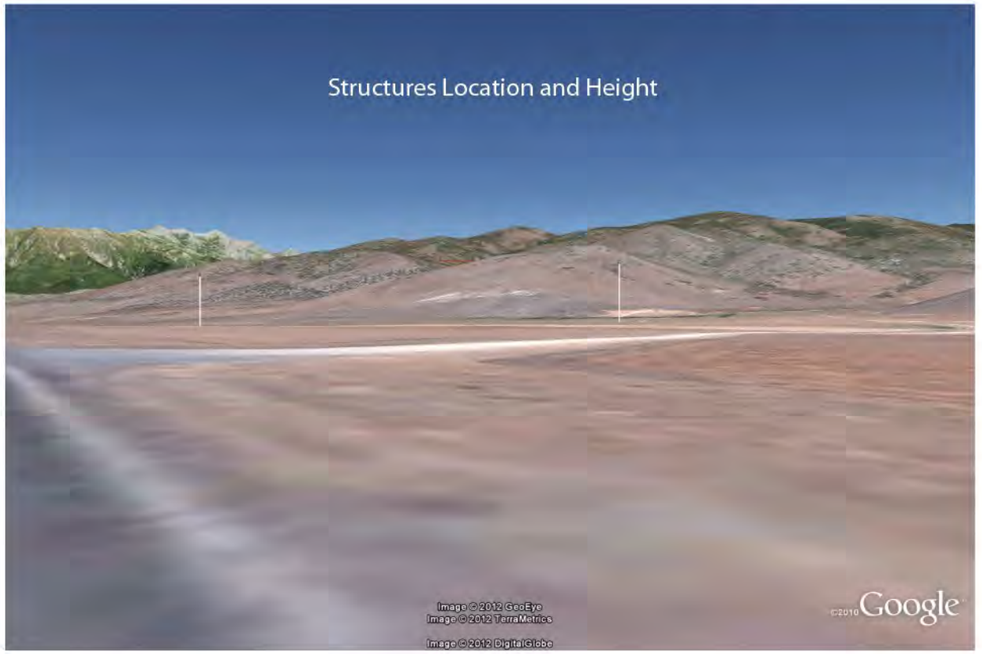
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-7
Big Hollow Road
Fountain Green
(Segment 310)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	07/27/2011
District	Richfield FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Utah SH 132 WB Township 13S Range 2E Section 23	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point Rich-8		
3. VRM Class IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Prominent rounded and angular mountains and inclined planar valley floor.	Blanket and clumps of pinon-juniper trees, sagebrush and grasses.	Planar roadway and planar 345-kV wood towers. Steel lattice towers in background.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges.	Curvilinear paved roadway and vertical and horizontal towers, and poles.
COLOR	Light to medium reddish tan and brown soil.	Light to medium to dark green trees, silvery green shrubs and grasses.	Light to medium grey road and medium to dark brown towers and poles.
TEX-TURE	Smooth to medium 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

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

Project Location

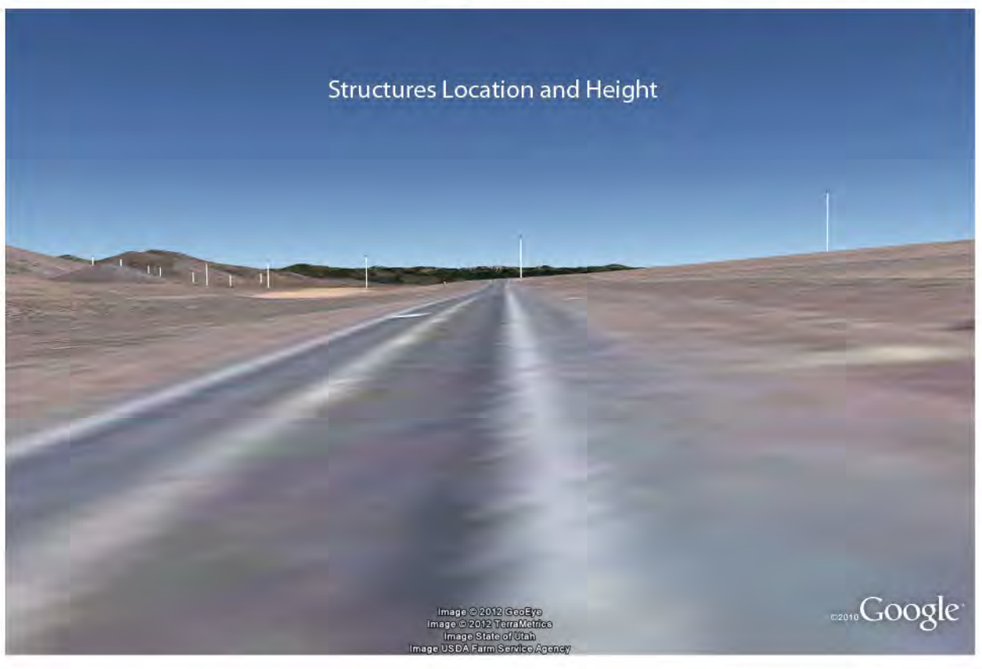
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-8
Utah State Hwy 132
(westbound)
(Segment 310)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-9
3. VRM Class: IV
4. Location: Utah SH 132 EB; Township 13S; Range 2E; Section 15
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded and angular mountains and inclined planar valley floor.	Clumps of pinon-juniper trees, sagebrush and grasses.	Planar roadway and prominent planar 345-kV wood towers and conductors. H-from 161-kv (approximate) in foreground.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges.	Curvilinear paved roadway and vertical and horizontal towers, conductors and poles.
COLOR	Light to medium reddish tan and brown soil.	Light to medium to dark green trees, silvery green shrubs and grasses.	Light to medium grey road and medium to dark brown poles. Light tan to grey conductors.
TEX-TURE	Smooth to medium 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.
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												

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

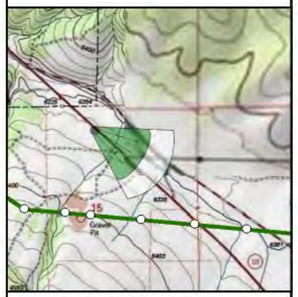
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



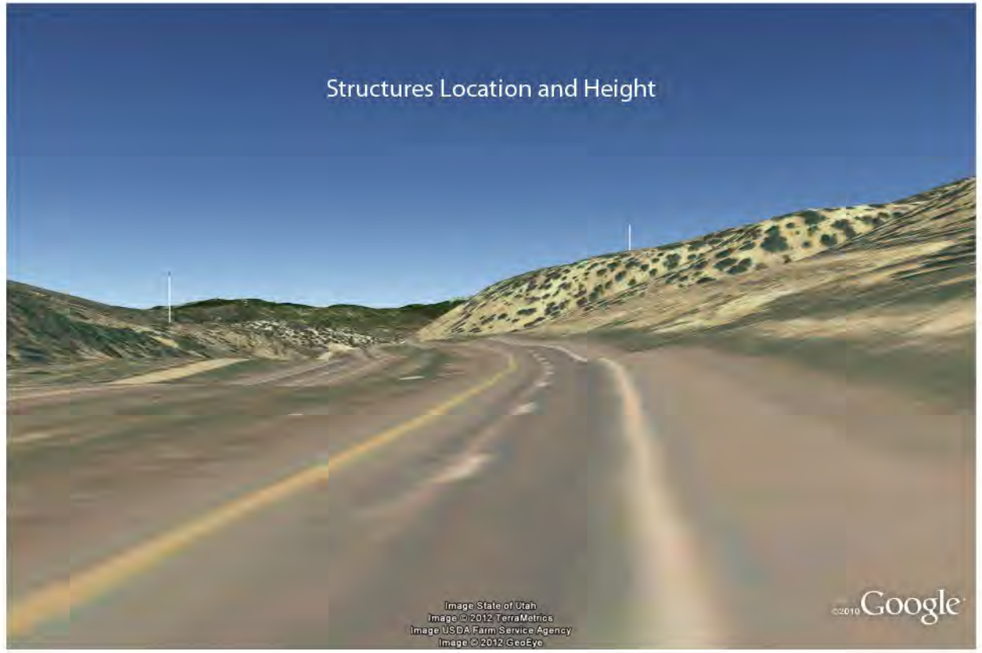
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-9
Utah State Highway 132
(eastbound)
(Segment 310)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	07/27/2011
District Richfield FO	
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location I-70 WB Township 23S Range 3E Section 14	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point Rich-12		
3. VRM Class USFS SIO High)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Prominent rounded and angular mountains in foreground, midground, and background.	Blanket of pinon-juniper, shrubs and grasses.	Planar roadway and steel lattice towers (Two 345 kV T-lines).
LINE	Curvilinear and angular mt. ridges and curvilinear valley.	Irregular tree and shrub pattern edges.	Horizontal roadway. Vertical steel lattice and horizontal conductors..
COLOR	Light to medium reddish brown rock formations.	Light to medium to dark green trees, shrubs and grasses.	Light to medium grey road lanes and transmission lines..
TEX-TURE	Smooth to medium 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.
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												

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

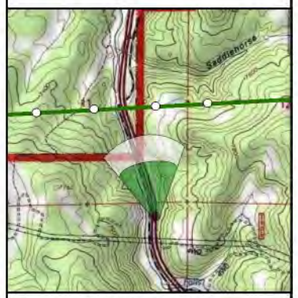
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

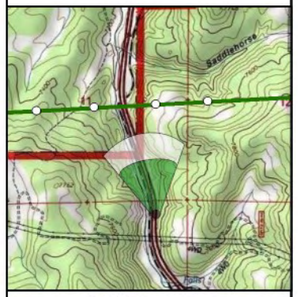
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-12
Interstate 70
(westbound)
(Segment 330.1)

Project Location



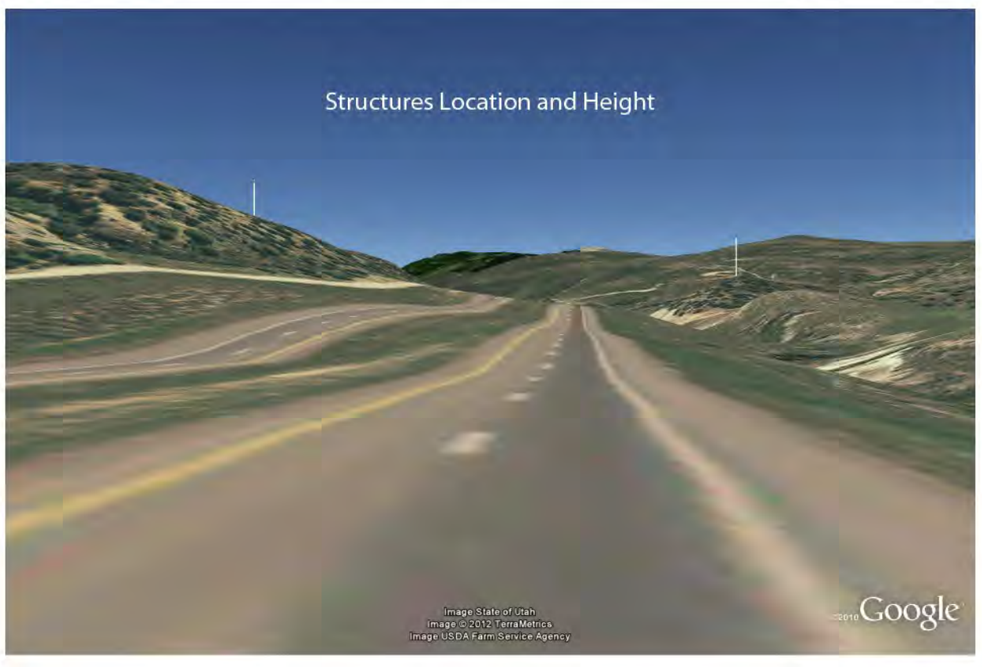
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-12
Simulated Condition
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-13
3. VRM Class: USFS SIO High
4. Location: I-70 EB; Township 23S; Range 3E; Section 2
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Prominent rounded and angular mountains in foreground, midground, and background.	Blanket of pinon-juniper, shrubs and grasses.	Planar roadway and planar twin steel lattice towers..
LINE	Curvilinear and angular mt. ridges and curvilinear valley.	Irregular tree and shrub pattern edges.	Horizontal roadway and vertical and horizontal towers.
COLOR	Light to medium reddish brown rock formations.	Light to medium to dark green trees, shrubs and grasses.	Light to medium grey road lanes and dark grey towers..
TEX-TURE	Smooth to medium 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

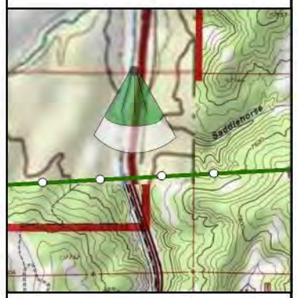
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:
Where the Project 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 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location



KOP Location

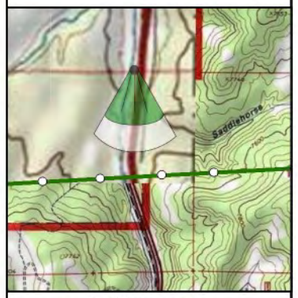
Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-13
Interstate 70
(eastbound)
(Segment 330.1)

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-13
Simulated Condition
(Segment 330.1)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-14
3. VRM Class: USFS SIO High
4. Location: Gooseberry-Fremont Scenic Backway; Township 22S; Range 1E; Section 24
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Prominent rounded mountains and rolling valley floor.	Blanket of pinon-juniper, shrubs and grasses.	Planar roadway and planar twin steel lattice towers.
LINE	Curvilinear and angular mt. ridges and curvilinear valley.	Irregular tree and shrub pattern edges.	Horizontal roadway and vertical and horizontal towers.
COLOR	Light to medium reddish brown rock formations.	Light to medium to dark green trees, shrubs and grasses.	Light to medium grey roads and towers.
TEX-TURE	Smooth to medium 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

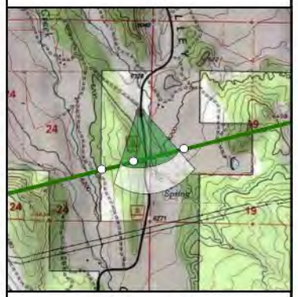
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

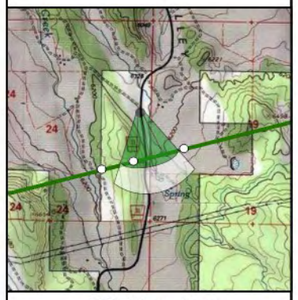
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-14
Gooseberry-Fremont
Scenic Backway
(Segment 330.1)

Project Location



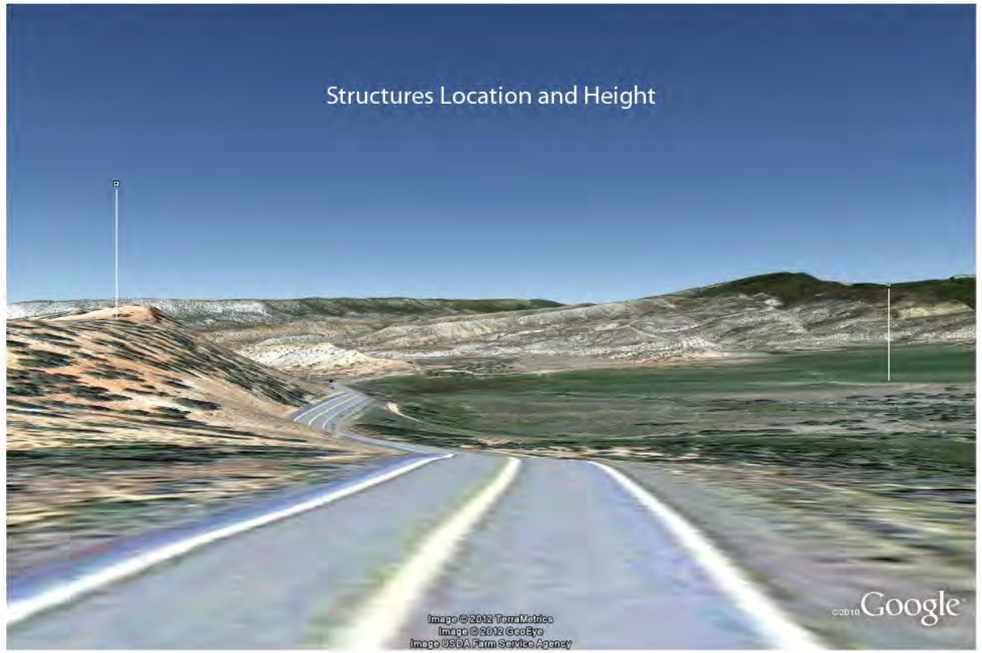
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-14
Simulated Condition
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-15
3. VRM Class: USFS SIO High
4. Location: Gooseberry-Fremont Scenic Backway; Township 22S; Range 1E; Section 25
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Prominent rounded mountains and rolling valley floor.	Blanket of pinon-juniper, shrubs and grasses.	Planar roadway and planar twin steel lattice towers.
LINE	Curvilinear and angular mt. ridges and curvilinear valley.	Irregular tree and shrub pattern edges.	Horizontal roadway and vertical and horizontal towers.
COLOR	Light to medium reddish brown rock formations.	Light to medium to dark green trees, shrubs and grasses.	Light to medium grey roads and towers.
TEX-TURE	Smooth to medium 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

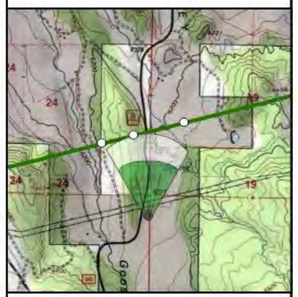
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:
Where the Project 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 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location



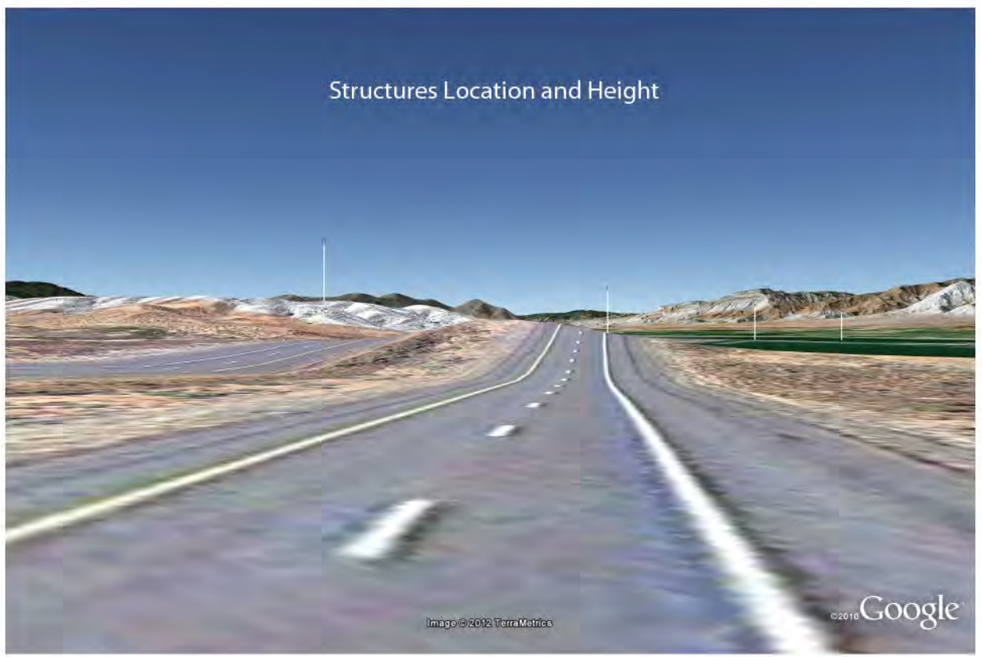
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-15
Gooseberry-Fremont
Scenic Backway
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-16
3. VRM Class: IV
4. Location: I-70 SB; Township 22S; Range 1W; Section 10
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded mountains and prominent planar valley floor.	Clump of homestead trees, shrubs and grasses. Planar cropland.	Planar roadway and planar steel lattice tower.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges. Rectilinear cropland.	Curvilinear paved roadway and vertical and horizontal tower.
COLOR	Light to medium reddish tan and brown soil.	Light to medium to dark green trees cropland, shrubs and grasses.	Light to medium grey road and light grey towers.
TEX-TURE	Smooth to medium 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:
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 Rich-16
Interstate 70
(southbound)
(Segment 330.1)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-17
3. VRM Class: IV
4. Location: I-70 NB; Township 22S; Range 1W; Section 16
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded mountains and prominent planar valley floor.	Clumps of homestead trees, shrubs and grasses.	Planar roadway and planar steel lattice tower.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges.	Curvilinear paved roadway and vertical and horizontal tower.
COLOR	Light to medium reddish brown soil.	Light to medium to dark green trees, shrubs and grasses.	Light to medium grey road and dark grey towers.
TEX-TURE	Smooth to medium 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

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

Project Location

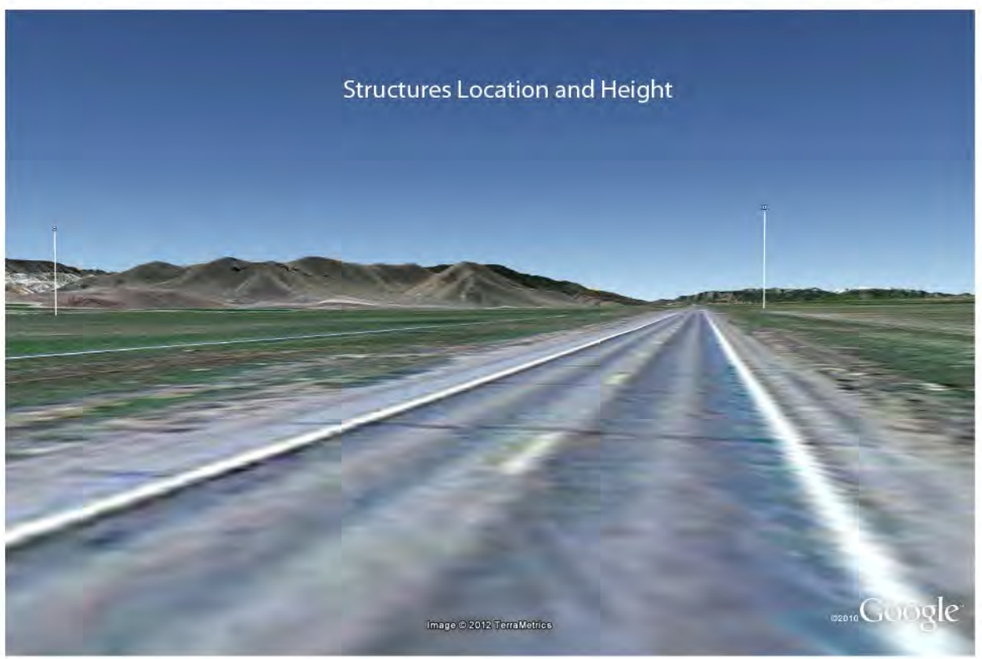
KOP Location

Feet
0 1,450 2,900 5,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-17
Interstate 70
(northbound)
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-18
3. VRM Class: IV
4. Location: US 89 SB; Township 22S; Range 1W; Section 8
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded mountains and prominent planar valley floor.	Clumps of homestead trees, shrubs and grasses.	Planar roadway and planar steel lattice and wood poles.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges.	Curvilinear paved roadway and vertical and horizontal towers and poles.
COLOR	Light to medium reddish brown soil.	Light to medium to dark green trees, shrubs and grasses.	Light to medium grey road and towers and dark brown poles.
TEX-TURE	Smooth to medium 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.
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) 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:
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

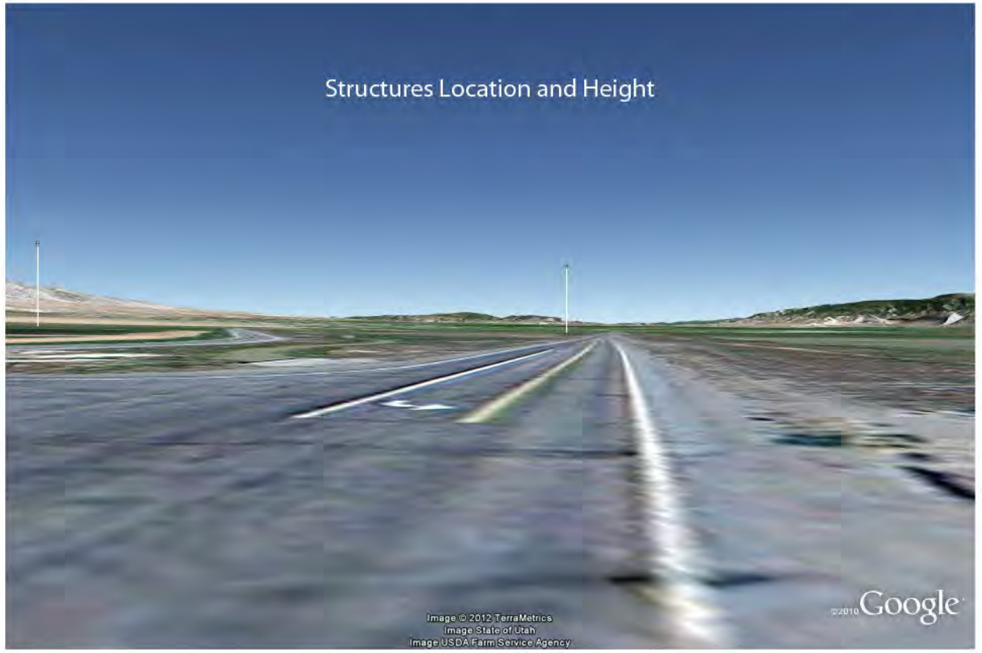
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-18
U.S. 89
(southbound)
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
Rich-19

3. VRM Class
IV

4. Location US 89 NB
Township 22S
Range 1W
Section 8

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded mountains and prominent planar valley floor.	Clumps of homestead trees, shrubs and grasses.	Planar roadway and cylindrical wood poles.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges.	Curvilinear paved roadway and vertical poles.
COLOR	Light to medium reddish brown soil.	Light to medium to dark green trees, shrubs and grasses.	Light to medium grey road and dark brown poles.
TEX-TURE	Smooth to medium 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.
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												

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

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

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

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

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

Project Location

KOP Location

0 1,450 2,900 5,800 Feet

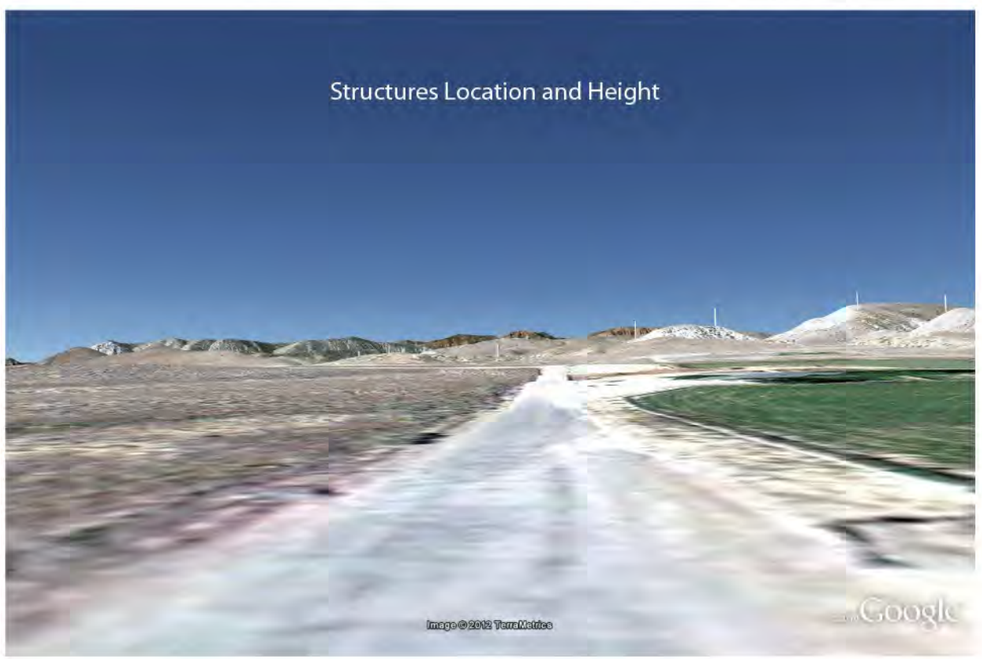
N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-19
U.S. 89
(northbound)
(Segment 330.1)

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 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-20
3. VRM Class: IV
4. Location: Aurora Residential Road; Township 22S; Range 1W; Section 6
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Prominent rounded mountains and rolling valley floor.	Clumps of pinon-juniper, shrubs and grasses.	Planar roadway and planar steel lattice and wood towers.
LINE	Curvilinear and angular mountains.	Amorphous tree and shrub pattern edges.	Curvilinear paved and gravel roadway and vertical and horizontal towers.
COLOR	Light to medium reddish brown rock formations.	Light to medium to dark green trees, shrubs and grasses.	Light to medium brown road and towers.
TEX-TURE	Smooth to medium 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:
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

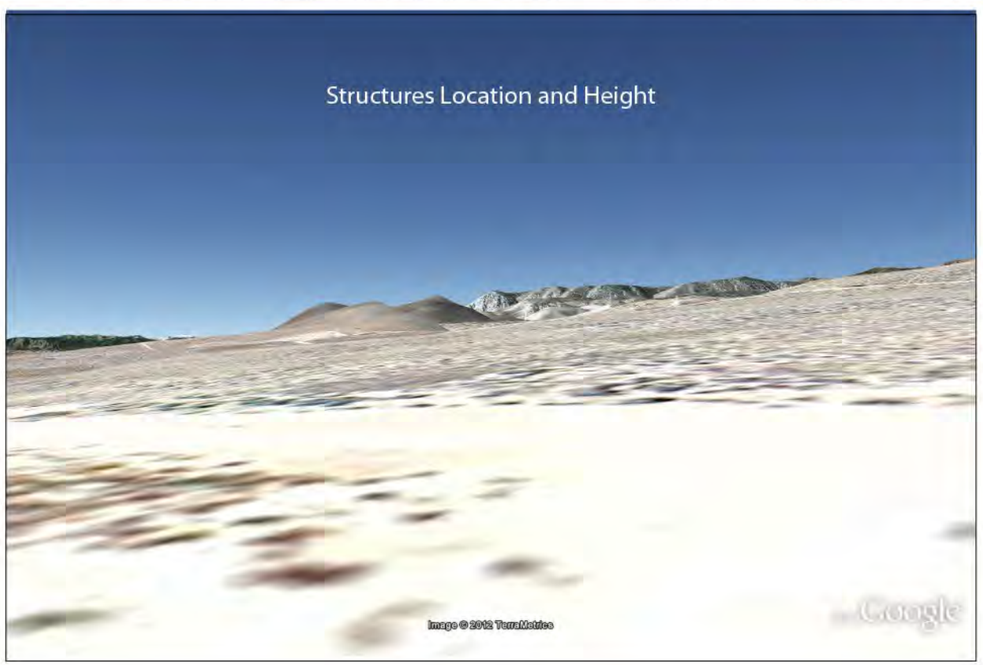
KOP Location

0 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-20
Aurora Residential Road
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/27/2011
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-21
3. VRM Class: IV (VRI Class IV)
4. Location: Aurora Recreation Road; Township 22S; Range 1W; Section 6
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Prominent rounded mountains and rolling valley floor.	Clumps of pinon-juniper, shrubs and grasses.	Planar roadway and planar wood towers.
LINE	Curvilinear and angular mountains.	Amorphous tree and shrub pattern edges.	Curvilinear gravel roadway and vertical and horizontal towers.
COLOR	Light to medium reddish brown rock formations.	Light to medium to dark green trees, shrubs and grasses.	Light to medium brown road and towers.
TEX-TURE	Smooth to medium 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.
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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) Strong	Moderate	Weak	None
Elements: Form										X		
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

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

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

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

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

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

Project Location

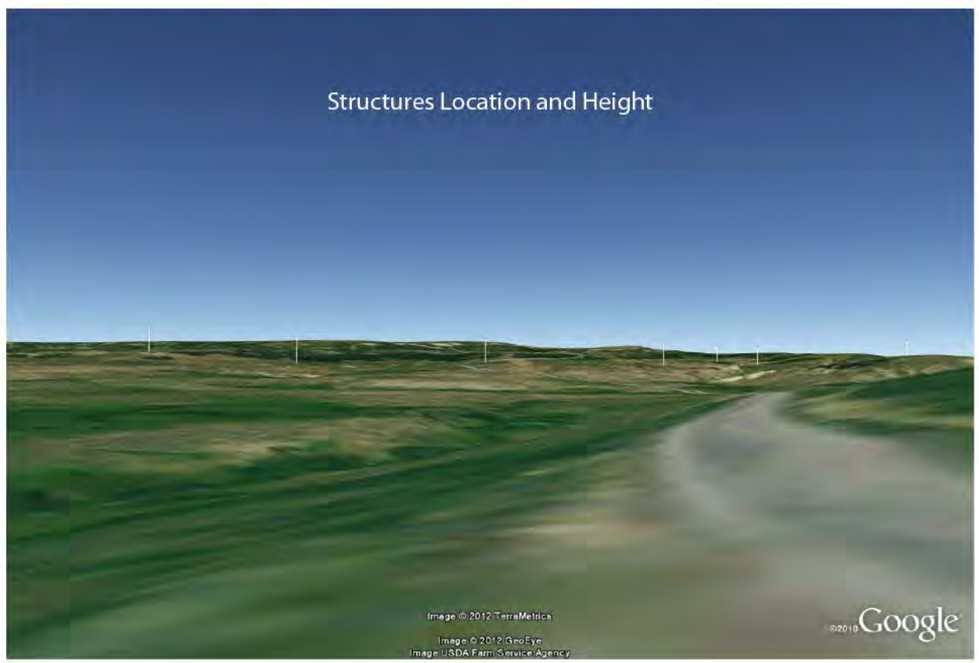
KOP Location

Feet
0 2,250 4,500 9,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-21
Aurora Recreation Road
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/27/11
District Manti-Lasal National Forest
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-22
3. VRM Class: USFS VQO Partial Retention
4. Location: Energy Loop Scenic Byway (UT Rte 264); Township 13S; Range 6E; Section 30
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Domed, diagonal, rounded	Vertical, pyramidal, amorphous	Low, geometric
LINE	Curving, continuous	Flowing, complex, irregular, butt edge	Angular, parallel, vertical
COLOR	Tans	Tans, greens, seasonal color	Browns, whites
TEX-TURE	Medium grain	Medium grain, stippled, scattered	Medium to coarse grain

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Geometric, rectangular	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Bold, butt edge	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine grain	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)

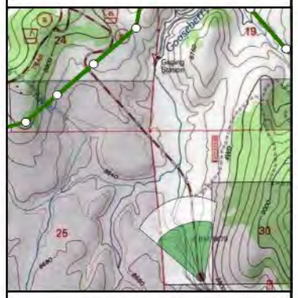
3. Additional mitigating measures recommended ☑ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/27/11
(Review and update as needed by M. Paulson)	7/24/12

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 contrast and would not be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

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

Project Location



KOP Location

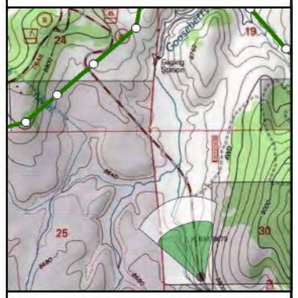
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 22
Energy Loop
Scenic Byway
(Segment 217.15)

Project Location



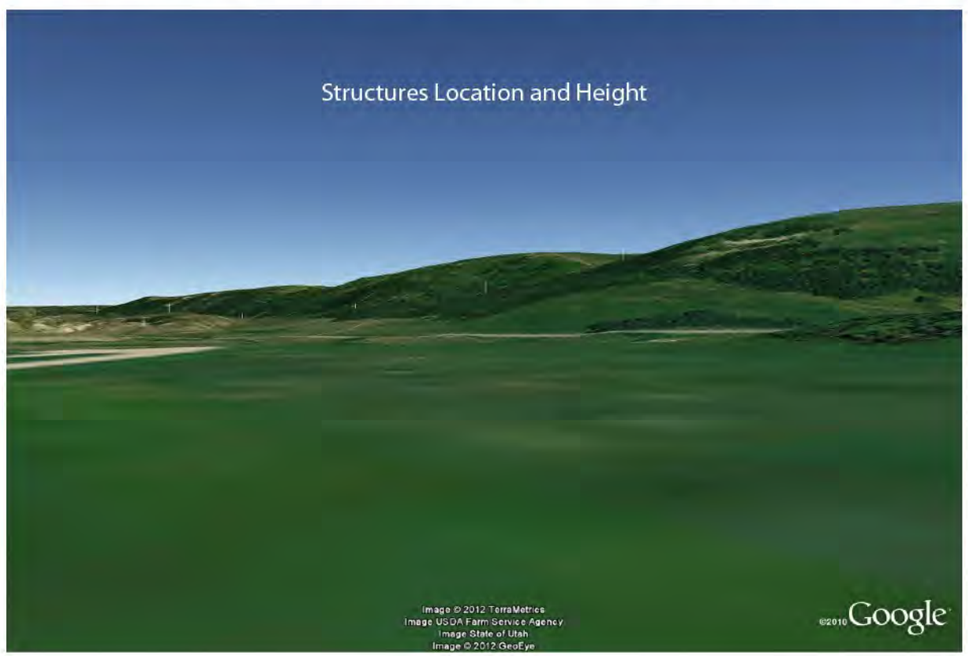
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 22
Simulated Condition
(Segment 217.15)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/27/11
District Manti-Lasal National Forest
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-23
3. VRM Class: USFS VQO Partial Retention
4. Location: Fairview Lakes residential; Township 13S; Range 15E; Section 36
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Wide trough-shaped, rolling, rounded	Vertical, complex, pyramidal, amorphous patches	Low, geometric
LINE	Curving, continuous, diagonal	Flowing, complex, irregular, butt edges	Angular, vertical
COLOR	Tans	Vivid, greens, tans, seasonal variation	Browns and greens
TEX-TURE	Fine to medium grain	Medium to coarse grain	Medium grain, sparse density

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Geometric, rectangular	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular, butt edge	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine to medium grain	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	9/27/11
(Review and update as needed by M. Paulson)	7/24/12

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 contrast and would not be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

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

Project Location

KOP Location

0 1,900 3,800 7,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 23
Fairview Lakes
Residential
(Segment 217.15)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	9/27/11
District	Manti-Lasal National Forest
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Fairview Lakes- The Energy Loop Scenic Byway	5. Location Sketch
2. Key Observation Point Rich-24	Township 14S	Please see Figure 3.12-2
3. VRM Class USFS VQO Partial Retention	Range 5E Section 2	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Wide trough-shaped, rolling, rounded	Amorphous patches, distinct, vertical, complex, pyramidal	Low, geometric
LINE	Continuous, curving, horizontal, diagonal	Flowing, complex, irregular, butt edges	Angular, vertical
COLOR	Tans, grays, blue	Vivid, greens, tans, seasonal variety	Greens, browns, whites
TEX-TURE	Fine to medium grain	Medium to coarse grain	Medium grain, sparse density

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Geometric, rectangular	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular, butt edge	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine to medium grain	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	9/27/11
(Review and update as needed by M. Paulson)	7/24/12

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 contrast and would not be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

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

Project Location

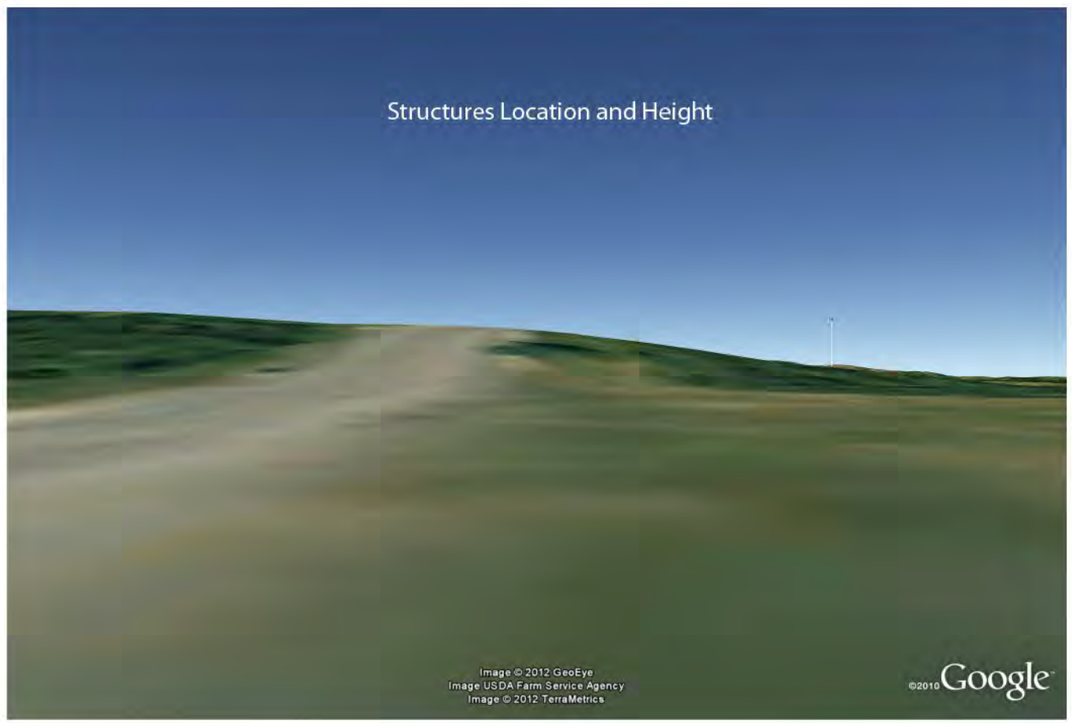
KOP Location

0 4,450 8,900 17,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-24
Fairview Lakes
The Energy Loop Scnc Bywy
(Segment 217.15)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/27/11
District Manti-Lasal National Forest
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-25
3. VRM Class: USFS VQO Partial Retention
4. Location: Energy Loop Scenic Byway (UT Rte 31); Township 13S; Range 5E; Section 26
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded, rolling	Vertical, complex, amorphous	NA
LINE	Curving, continuous	Flowing, complex, irregular	NA
COLOR	Tans, grays	Vivid, greens, tans, whites seasonal color	NA
TEX-TURE	Smooth	Dense, medium grain	NA

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 gray steel lattice structures, guys, and conductors.
TEX-TURE		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)

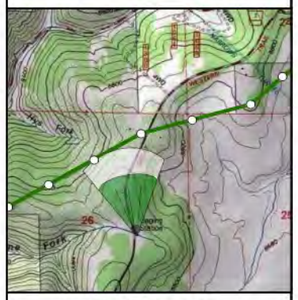
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/27/11
(Review and update as needed by M. Paulson)	7/24/12

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 contrast and would not be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

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

Project Location



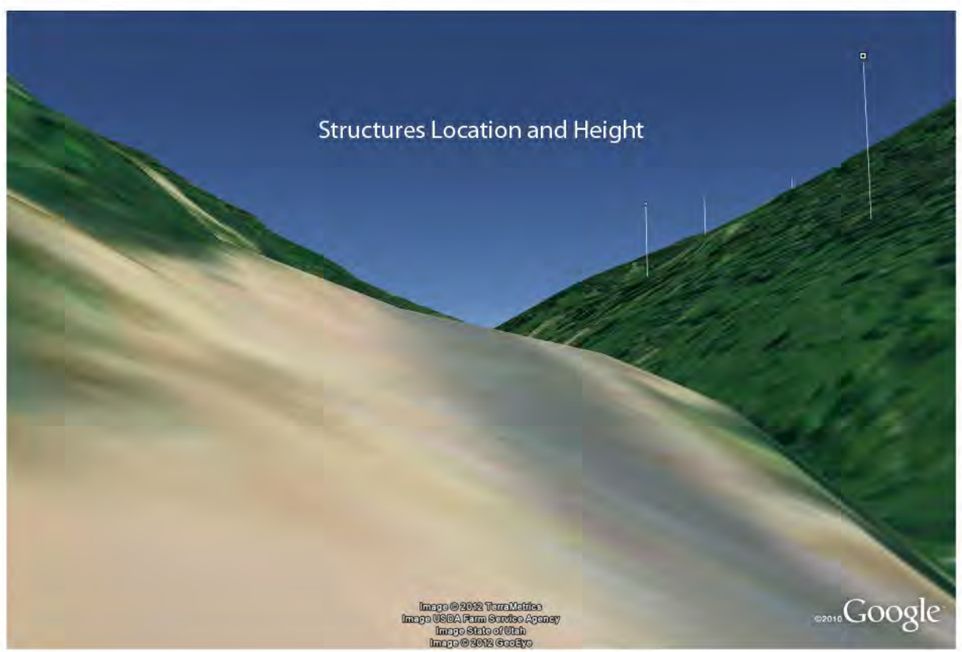
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-25
Energy Loop Scenic Byway
(Utah Route 31)
(Segment 217.15)



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/27/11

District Manti-Lasal National Forest

Resource Area

Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
Rich-26

3. VRM Class
USFS VQO Partial Retention

4. Location Energy Loop Scenic Byway (Utah Rte 31)
Township 13S
Range 5E
Section 27

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Diagonal, bold, rounded	Vertical, complex, pyramidal, amorphous	NA
LINE	Curving, continuous	Flowing, complex, irregular	NA
COLOR	Tans	Vivid, variety of greens, white, tans, seasonal variation	NA
TEX-TURE	Medium to coarse grain	Dense, stippled	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Geometric, rectangular	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular, bold, butt edge	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine grain	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)

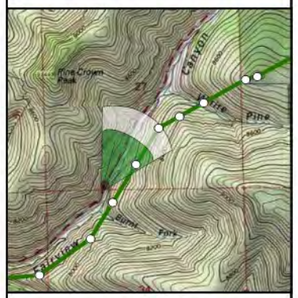
3. Additional mitigating measures recommended ☑ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/27/12
(Review and update as needed by M. Paulson)	7/24/12

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 contrast and would not be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

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

Project Location



KOP Location

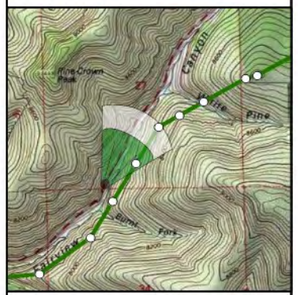
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 26
Energy Loop Scenic Byway
(Utah Route 31)
(Segment 217.15)

Project Location



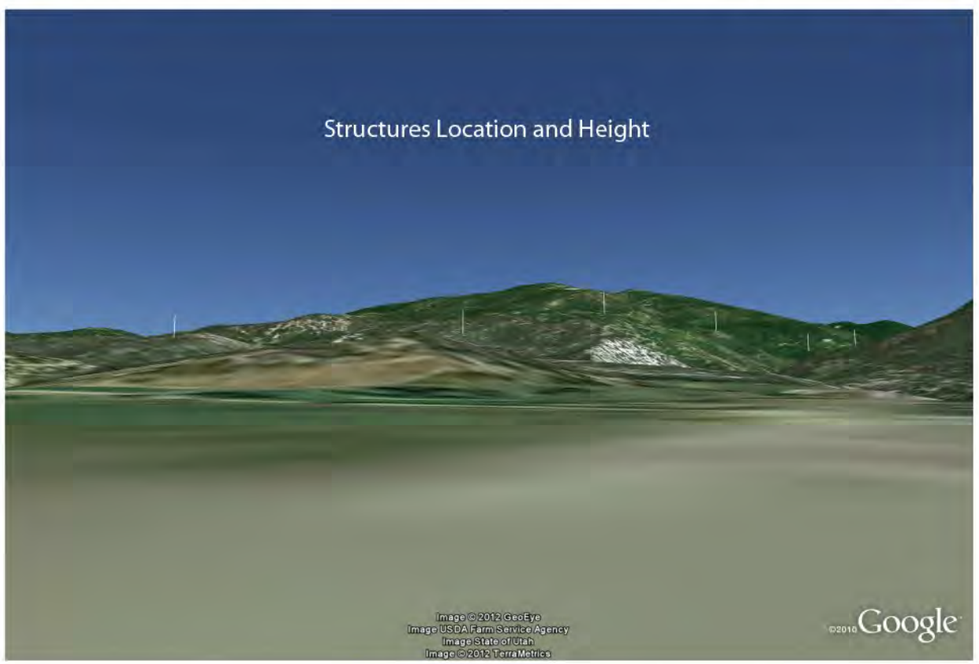
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 26
Simulated Condition
(Segment 217.15)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	9/26/11
District	Richfield FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Fairview residential Township 13S Range 4E Section 36	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point Rich-27		
3. VRM Class NA		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Level, undulating, rolling	Vertical, amorphous patches, stippled areas	Thin, moderately tall, geometric
LINE	Diagonal, curving	Flowing, complex, diffuse and butt edges	Vertical, horizontal
COLOR	Tans, whites	Greens, tans, seasonal variation	Browns
TEX-TURE	Medium to fine grain	Medium grain	Medium grain, medium density

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Geometric, rectangular	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular, butt edge	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine to medium grain	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	9/26/11
(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

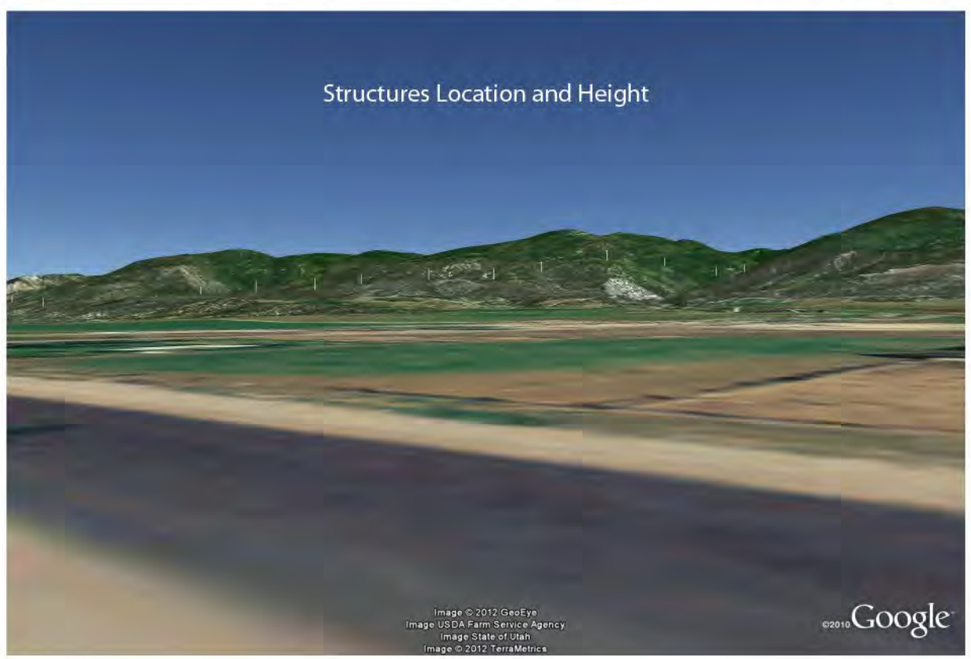
KOP Location

Feet
0 1,600 3,200 6,400

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-27
Fairview Residential
(Segment 217.15)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/26/11
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-28
3. VRM Class: Private
4. Location: Fairview residential; Township 14S; Range 4E; Section 2
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Level, undulating, rolling	Vertical, amorphous patches, stippled areas	Low, geometric
LINE	Diagonal, curving	Flowing, complex, diffuse and butt edges	Diagonal, horizontal
COLOR	Tans, whites	Greens, tans, seasonal variation	Browns, grays
TEX-TURE	Medium to fine grain	Medium grain	Medium grain, dense

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Geometric, rectangular	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular, butt edge	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine to medium grain	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)

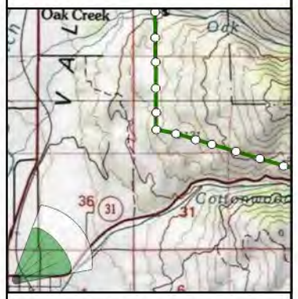
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/26/11
(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 3,000 6,000 12,000 Feet

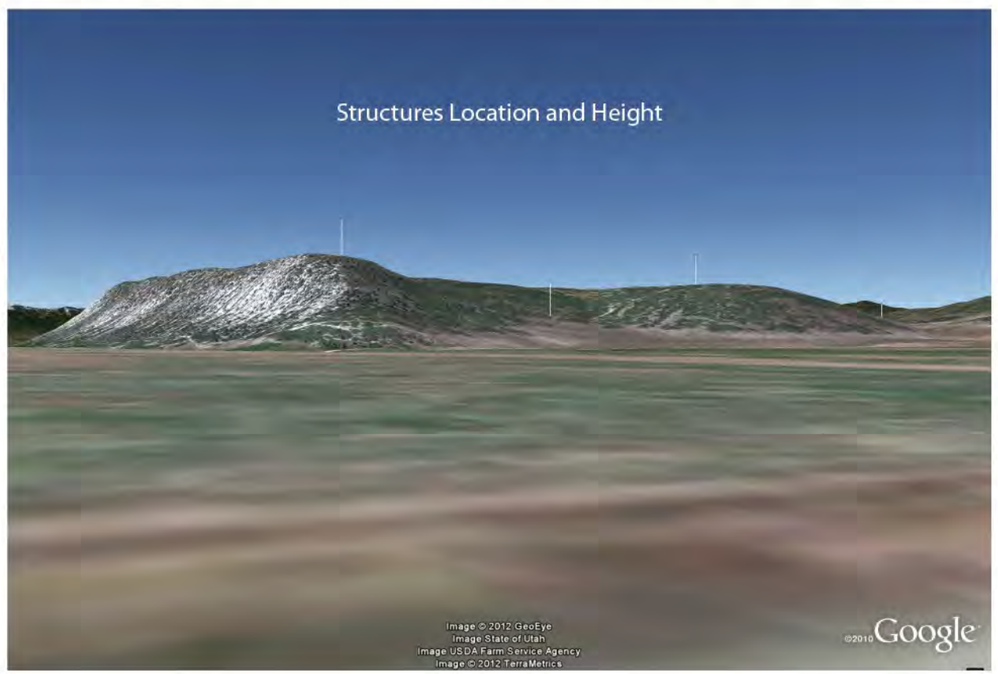
N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-28
Fairview Residential
(Segment 217.15)

KOP Photograph

Structures Location and Height



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(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/26/11
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-29
3. VRM Class: NA
4. Location: Milburn residential; Township 13S; Range 4E; Section 11
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Domed, rolling, level	Stippled areas and amorphous patches	Low, geometric
LINE	Diagonal, undulating	Butt to diffuse edge	Horizontal, angular
COLOR	Tans, browns	Dark greens, tans, seasonal color	Red, white, gray
TEX-TURE	Fine to medium	Medium grain, dense	Medium

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Geometric, rectangular	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular, butt edge	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-greens	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine to medium grain	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 (Review and update as needed by M. Paulson)	9/26/11
	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

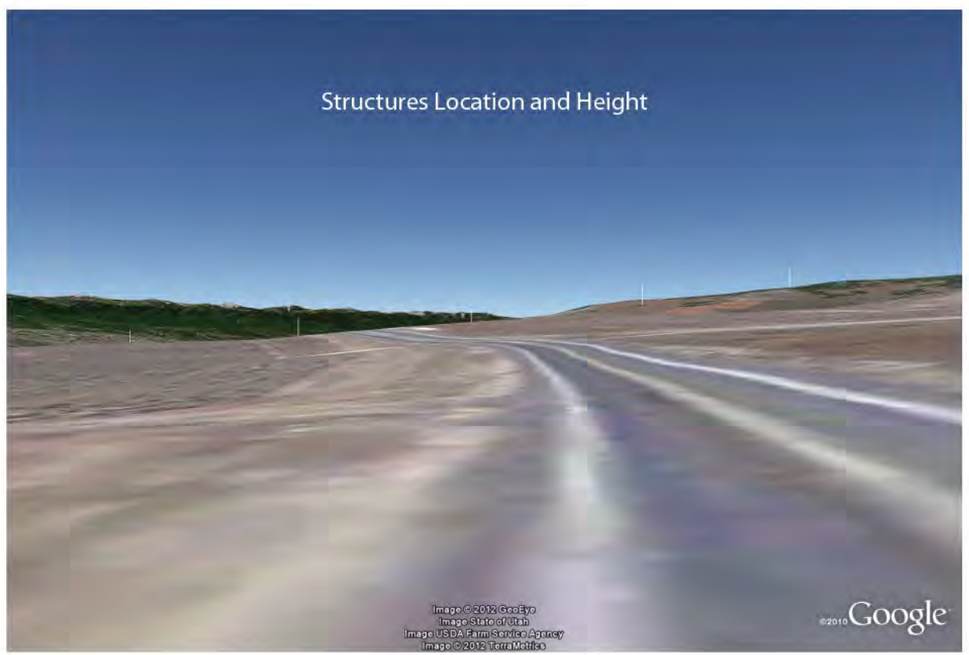
KOP Location

0 3,300 6,600 13,200 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-29
Milburn Residential
(Segment 217.15)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/26/11
District Richfield FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-30
3. VRM Class: NA
4. Location: U.S Hwy 89 (north of Fairview)
Township 13S
Range 4E
Section 4
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded, low relief, domed, rolling	Irregular to uniform expansive patches, stippled in areas	Tall, vertical
LINE	Horizontal, curving, subtle diagonals	Butt to diffuse edges	Vertical
COLOR	Tans	Dark and sage greens, tans	Gray
TEX-TURE	Fine to medium grain	Fine to medium grain	Coarse grain, sparse density

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Geometric, rectangular	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Bold, butt edge	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine to medium grain	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			
Elements: Line			X			X				X		
Elements: Color			X				X			X		
Elements: Texture			X				X		X			

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

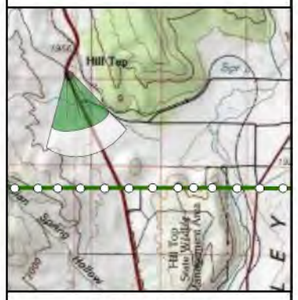
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/26/11
(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



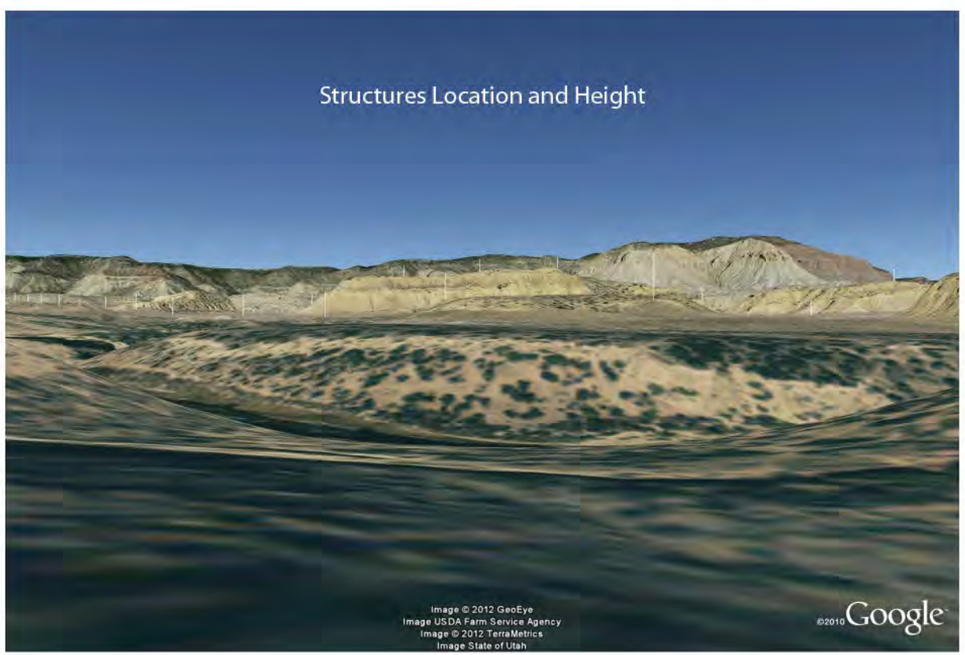
KOP Location

0 3,300 6,600 13,200 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 30
U.S. Hwy 89
North of Fairview
(Segment 217.15)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-31
3. VRM Class: Class IV
4. Location: Utah SH 10 NB – Saleratus Benches; Township 23S; Range 05E; Section 14
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Irregular planar ridge. Vertical planar slope faces and walls and eroded rocky side slopes.	Organic clumps and surfaces of shrubs. Blanket of pinon-juniper on the skyline.	Planar twin 345-kV steel lattice structures.
LINE	Angular mesa skyline, angular side slopes and wide flat valley floor.	Irregular and curvilinear edges of shrubs and grasses. Curved edges of pinon-juniper in background.	Straight and horizontal and vertical 345-kV structures
COLOR	Light to medium light to medium brown rock and soil.	Light to medium to dark olive green shrubs. Light bluish-silvery sagebrush. Light tan to green grasses..	Light to medium gray 345-kV structures.
TEX-TURE	Smooth 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.
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)

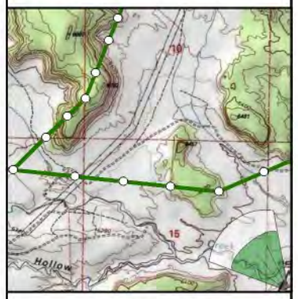
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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



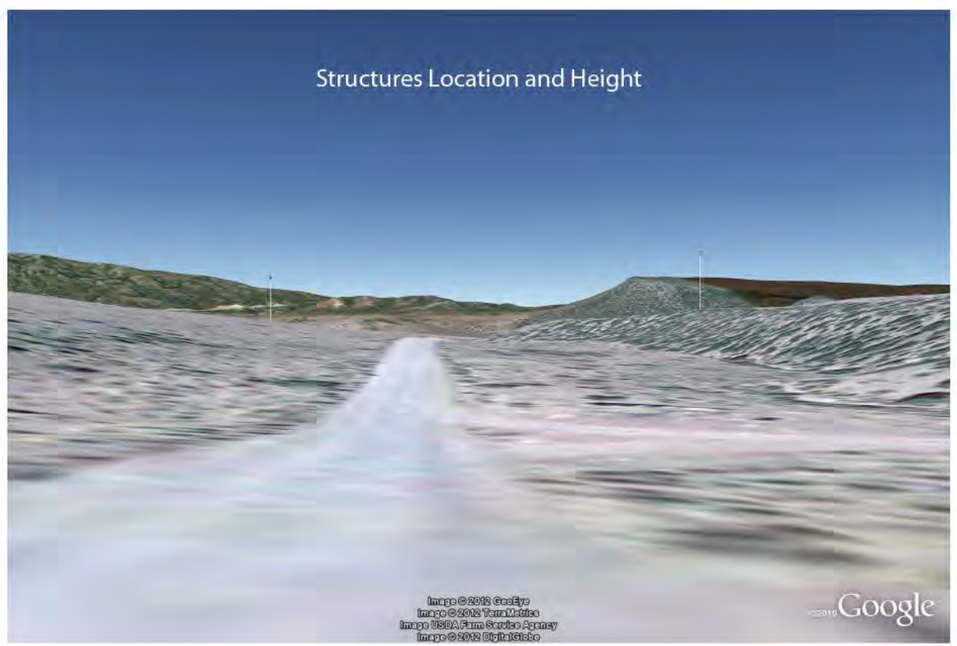
KOP Location

Feet
0 1,650 3,300 6,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-31
Utah SH 10 (northbound)
Saleratus Benches
(Segment 330.1)



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** Pinto Road (westbound)	**5. Location Sketch**
2. Key Observation Point SG-1	**Township** 37S	Please see Figure 3.12-3
3. VRM Class USFS SIO High	**Range** 16W	
	Section 36	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Blanket and clumps of PJ. Clumps of sagebrush and grasses.	Planar roadway and H-frame. Pyramidal steel lattice towers.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, sagebrush and grass patterns.	Meandering roadway. Vertical and horizontal towers and curvilinear conductors.
COLOR	Light to medium reddish tan and grey..	Dark green PJ 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.
TEX-TURE	Smooth to medium landform.	Smooth, medium and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	Date
M. Paulson	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

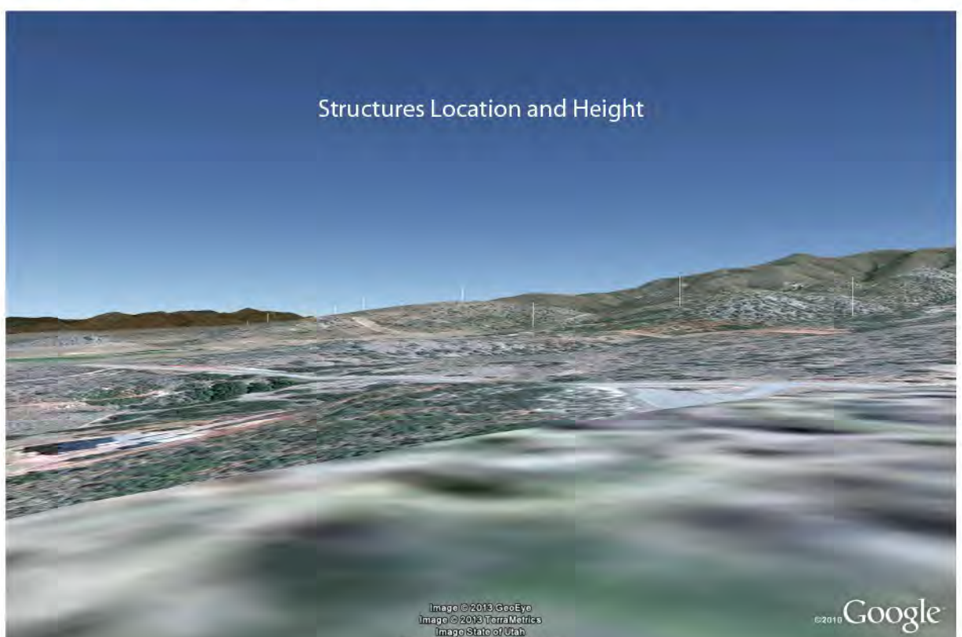
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-1
Pinto Road
(westbound)
(Segment 501)



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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Blanket and clumps of PJ. 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 PJ, sagebrush and grass patterns.	Meandering pipeline ROW. Vertical and horizontal towers and residential.
COLOR	Light to medium reddish tan and grey..	Dark green PJ 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)

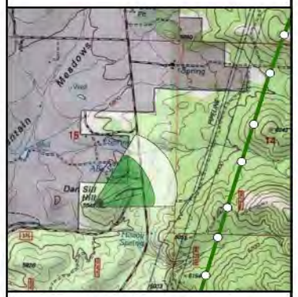
3. Additional mitigating measures recommended ☑ Yes ☐ No (Explain on reverse side)

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

Rationale:
Where the Project would be located within 0.5 miles of the viewer and parallels existing large H-frame and steel lattice transmission lines, it would have weak contrast and would be consistent with High SIO or Retention VQO management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

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

Project Location



KOP Location

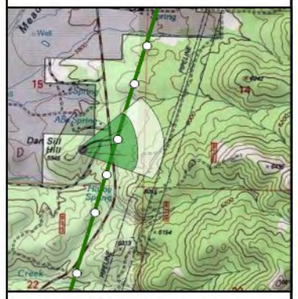
0 1,500 3,000 6,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-2
Mountain Meadows National Historic Landmark and Site
(Segment 501)

Project Location



KOP Location

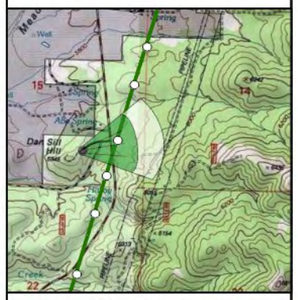
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-2
Mitigated Condition
(Segment 501)

Project Location



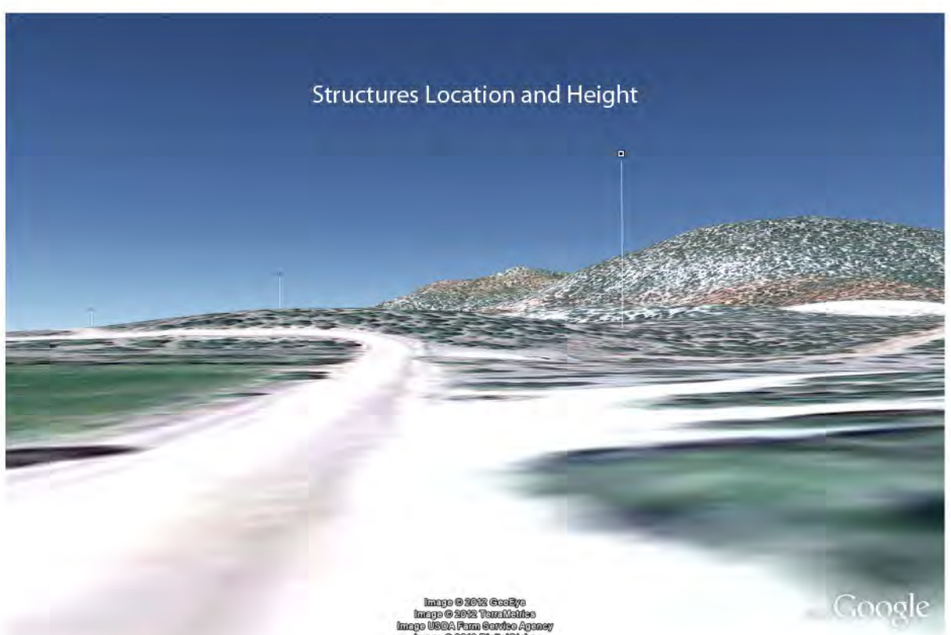
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-2
Simulated Condition
(Segment 501)



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 (westbound); 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 PJ. Clumps of sagebrush and grasses.	Planar roadway. Planar H-frame and pyramidal steel lattice towers.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, sagebrush and grass patterns.	Meandering roadway. Vertical and horizontal towers. Strong curvilinear conductors.
COLOR	Light to medium reddish tan and grey..	Dark green PJ 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 PJ.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear edges of ROW clearing in PJ.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light to medium tan grasses in ROW clearing in PJ.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth ROW clearing in PJ.	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)

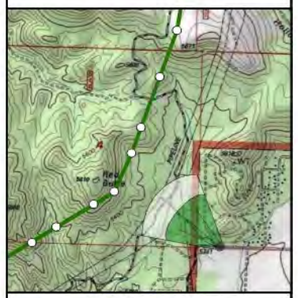
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

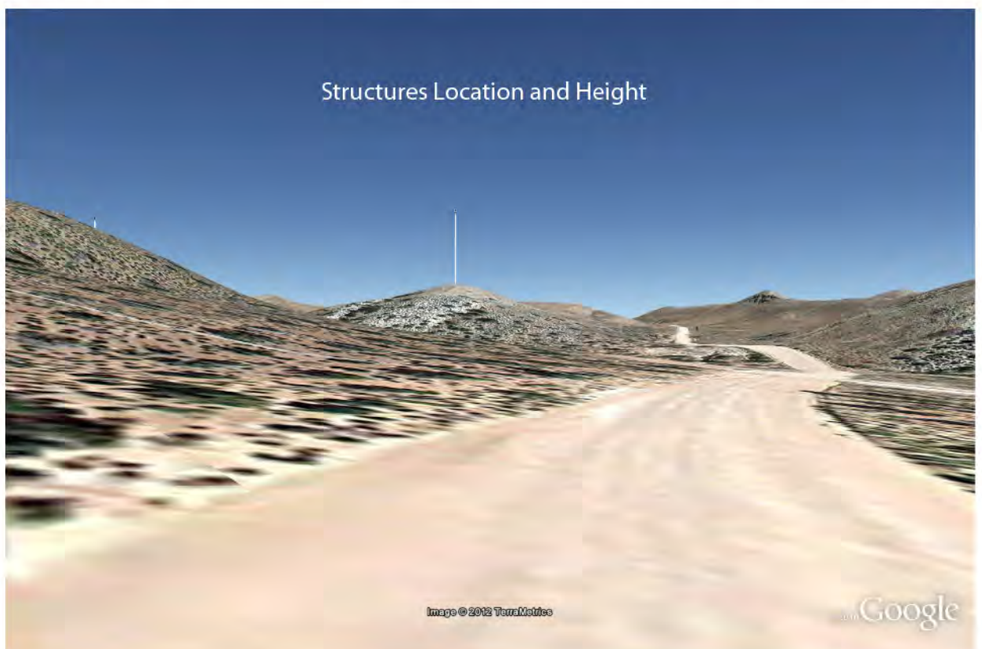


KOP Location

0 1,450 2,900 5,800 Feet

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-4
Pine Valley Highway
(westbound)
(Segment 501)



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-5
3. VRM Class: IV
4. Location: Gunlock Road (southbound); Township 40S; Range 18W; 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 PJ. Clumps of rabbit brush, sagebrush and grasses.	Planar roadway and building.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, rabbit brush, sagebrush and grass patterns.	Meandering roadway. Vertical utility poles.
COLOR	Light to medium reddish tan and grey..	Dark green PJ 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		
	Line										X		
	Color										X		
	Texture											X	

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

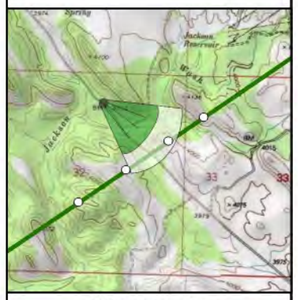
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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-5
Gunlock Road
(southbound)
(Segment 502)

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
2. Key Observation Point: SG-6
3. VRM Class: III (VRI Class III)
4. Location: Mojave Joshua Scenic Bkwy (wb); Township 43S; Range 18W; Section 30
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. 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.
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			Distant pyramidal steel lattice structures.
LINE			Vertical steel lattice structures.
COLOR			Light silver to dark grey steel lattice structures.
TEXTURE			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)

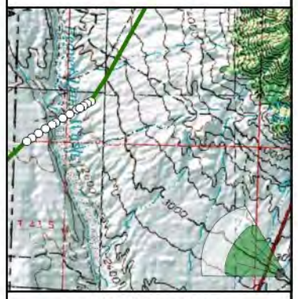
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: 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 objects. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-6, and VR-7) would further reduce contrasts.

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

Project Location



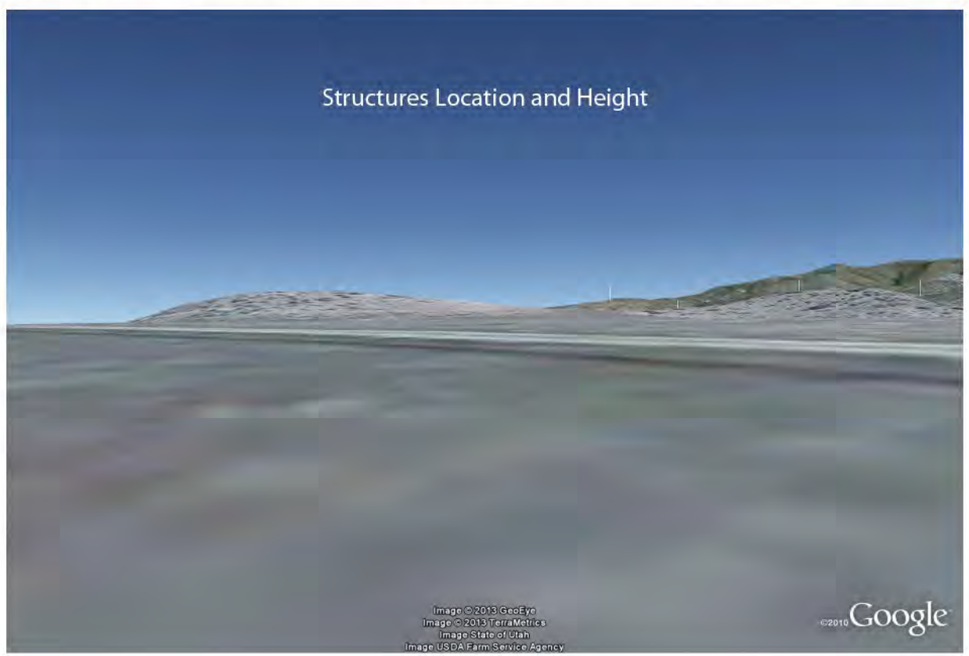
KOP Location

Miles
0 1.25 2.5 5

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-6
Mojave Joshua
Scenic Bckwy (westbound)
(Segment 502)



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-7
3. VRM Class: IV (No VQO or SIO in Dixie NF)
4. Location: Mountain Meadows Memorial Parking; 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 PJ. Clumps of sagebrush and grasses.	Planar fence and H-frame and pyramidal steel lattice towers. Planar pipeline ROW.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, sagebrush and grass patterns.	Vertical and horizontal fence and towers.
COLOR	Light to medium reddish tan and grey..	Dark green PJ 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 PJ.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear edges of ROW clearing in PJ.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light to medium tan grasses in ROW clearing in PJ.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth ROW clearing in PJ.	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

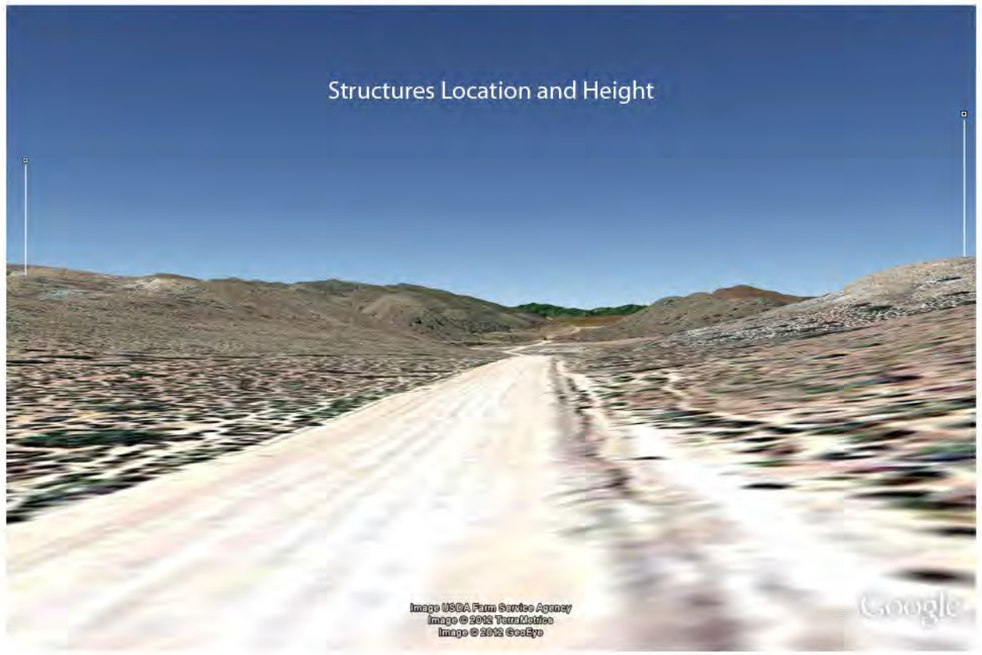
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-7
Mountain Meadows
Memorial Parking
(Segment 501)



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 (northbound); Township 40S; Range 18W; 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 PJ. Clumps of rabbit brush, sagebrush and grasses.	Pyramidal steel lattice structures. Planar roadway and building.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, 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 PJ 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)

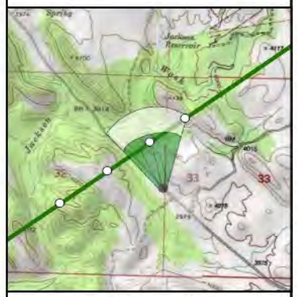
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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



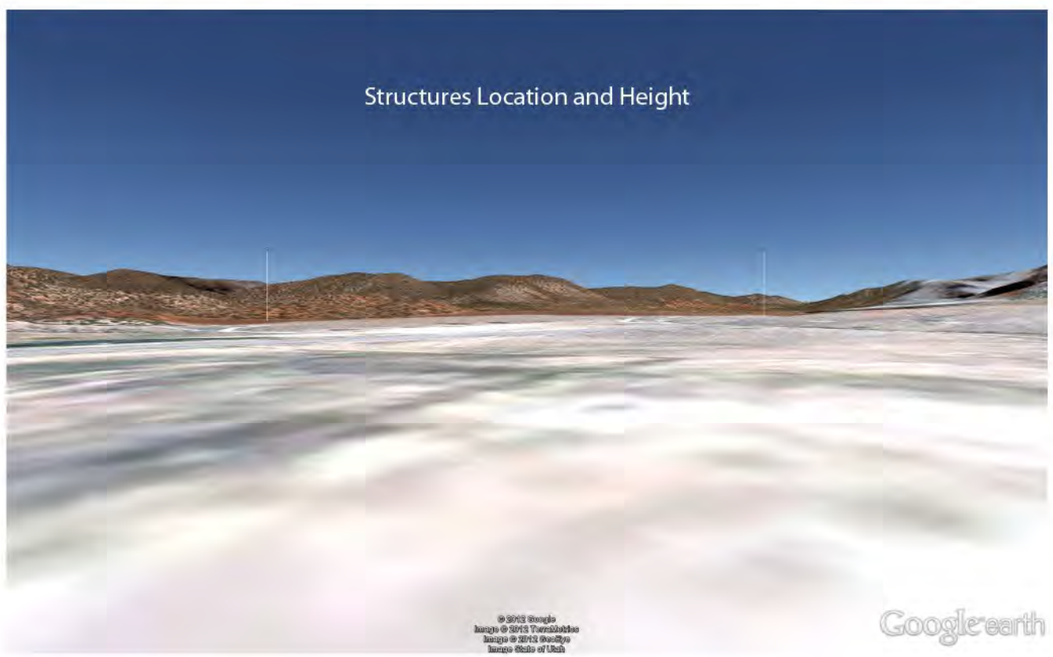
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-8
Gunlock Road
(northbound)
(Segment 502)



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 PJ. Blanket and clumps of sagebrush and grasses.	Planar fences and distribution line.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, sagebrush and grass patterns.	Vertical fences and distribution line
COLOR	Light to medium reddish tan and grey..	Dark green PJ 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 gray 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: M. Paulson
Date: 08/05/2012

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

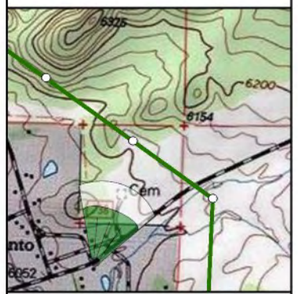
Feet
0 750 1,500 3,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-9
Pinto Residences
(Segment 506)

Project Location



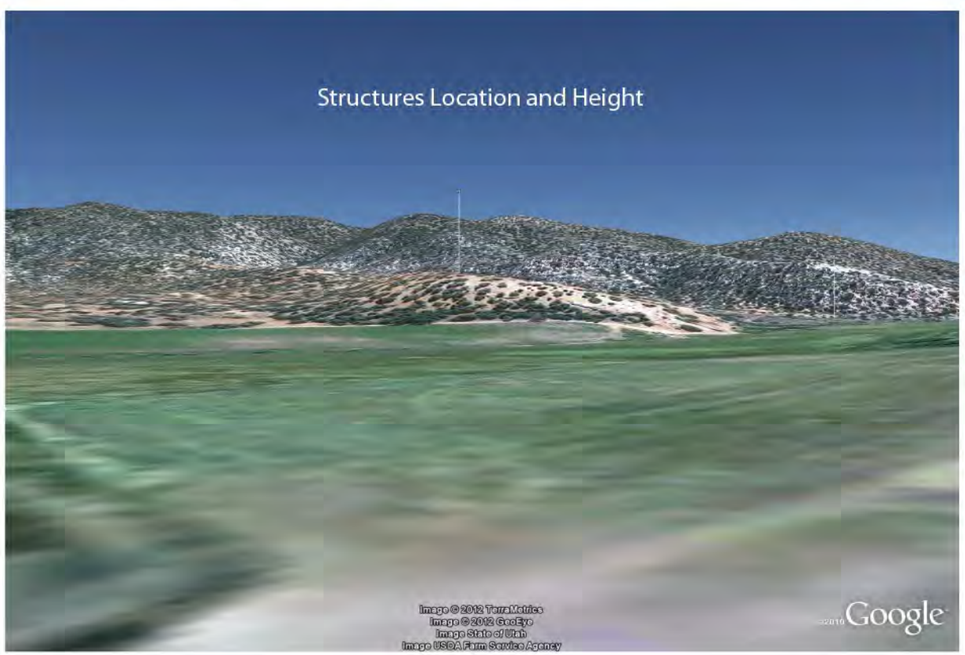
KOP Location

0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-9
Simulated Condition
(Segment 506)



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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling ridgeline and angular mountains.	Blanket and clumps of PJ. Blanket and clumps of sagebrush and grasses.	Planar fences and distribution line.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, sagebrush and grass patterns.	Vertical fences and distribution line
COLOR	Light to medium reddish tan and grey..	Dark green PJ 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		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 gray steel lattice structures, guys, and conductors.
TEX-TURE		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)

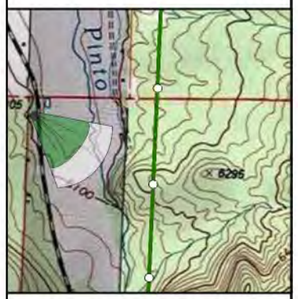
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-10
Pinto Residences
(Segment 506)

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 506)

Project Location

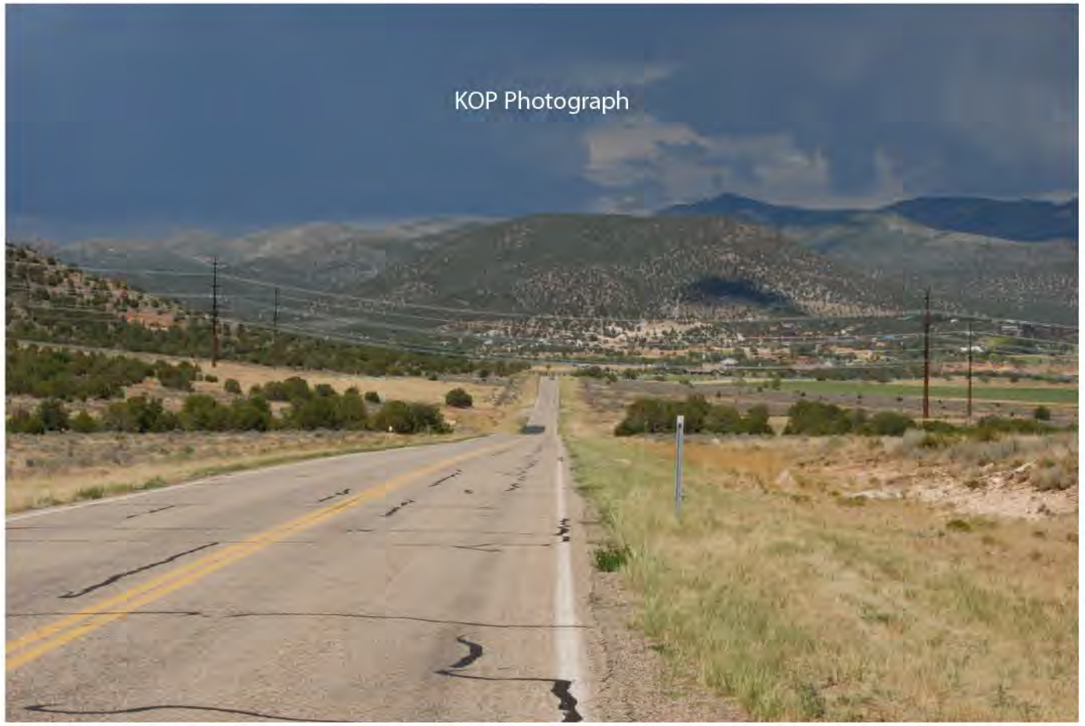
KOP Location

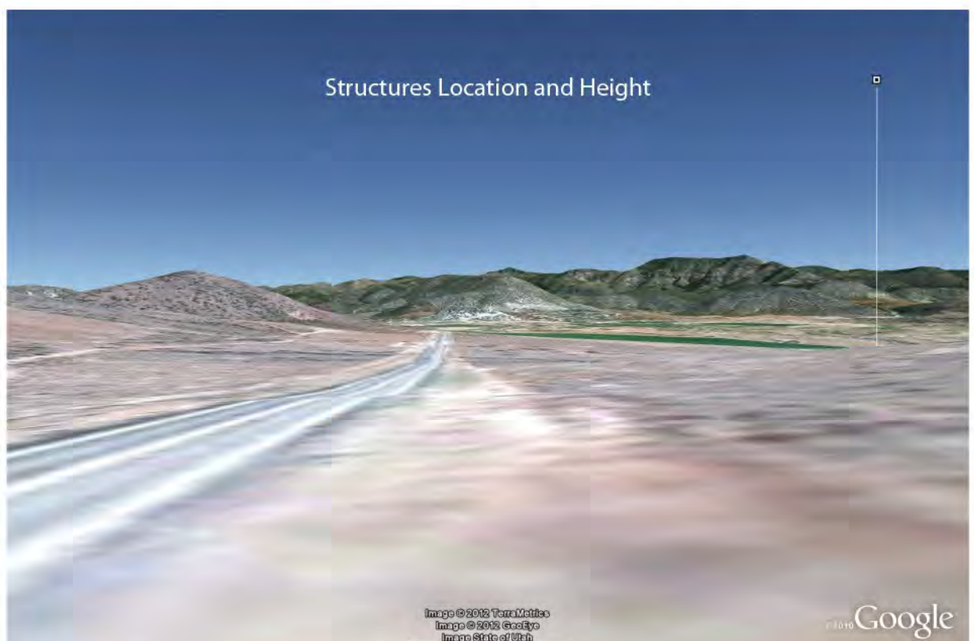
0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-10
Cumulative Condition
(Segment 506)





Form 8400-4
(September 1985)

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 (northbound); 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 PJ. Clumps of sagebrush and grasses.	Planar roadway. Cylindrical monopoles.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, sagebrush and grass patterns.	Meandering roadway. Vertical towers. Strong curvilinear conductors.
COLOR	Light to medium reddish tan and grey..	Dark green PJ to light silvery green sagebrush and tan grasses.	Light to medium grey roadway. Medium to dark brown monopoles and light to medium gray 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			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)

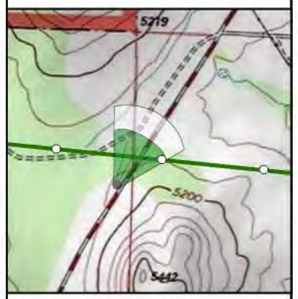
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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



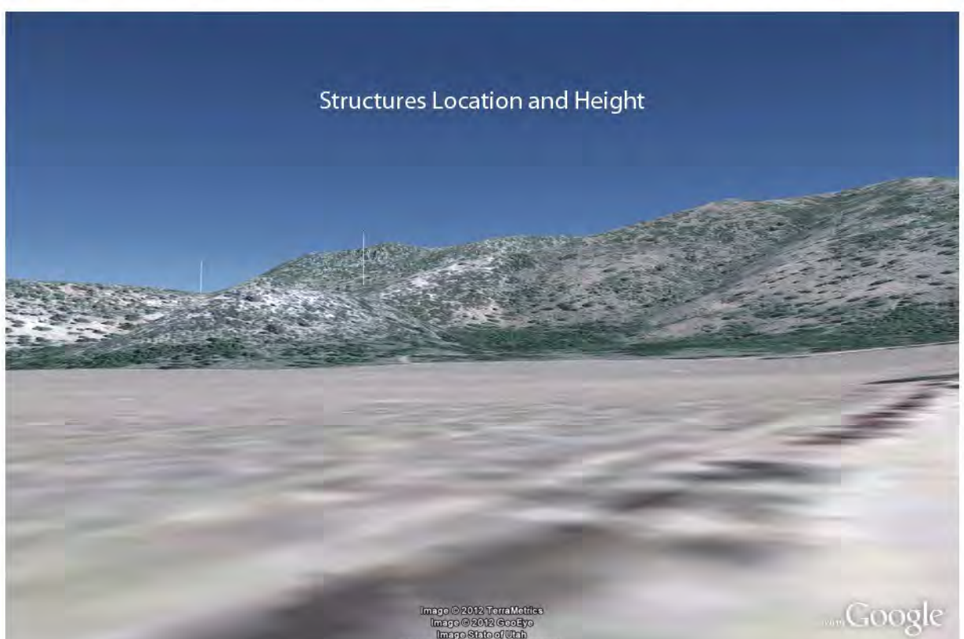
KOP Location

Feet
0 750 1,500 3,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-11
Utah SH 18
(southbound)
(Segment 506)



Form 8400-4
(September 1985)

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling ridgeline and angular mountains.	Blanket and clumps of PJ. Blanket and clumps of sagebrush and grasses.	Planar fences and distribution line.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, sagebrush and grass patterns.	Vertical fences and distribution line
COLOR	Light to medium reddish tan and grey..	Dark green PJ 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 gray 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)

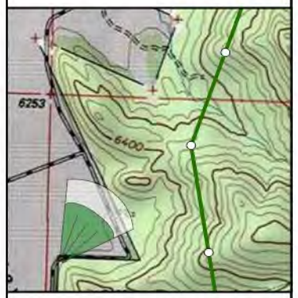
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

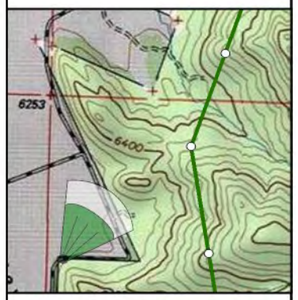
Feet
0 750 1,500 3,000

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-12
Ox Valley Ranch
(Segment 505)

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 505)

Form 8400-4
(September 1985)

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 SIO High		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling hills and angular mountains.	Clumps of PJ. Clumps of rabbit brush, sagebrush and grasses.	Planar fences, cubed buildings, and cylindrical communications towers on ridgeline.
LINE	Curvilinear and angular ridgelines.	Irregular PJ, rabbit brush, sagebrush and grass patterns.	Vertical structures and horizontal and vertical buildings..
COLOR	Light to medium reddish tan and grey..	Dark green PJ to light tan rabbit brush, and silvery green sagebrush and tan grasses.	Multiple colors on buildings and dark gray structures and fences
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 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location

KOP Location

0 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-13
Enterprise Utah SR 18
(eastbound)
(Segment 503)

Project Location

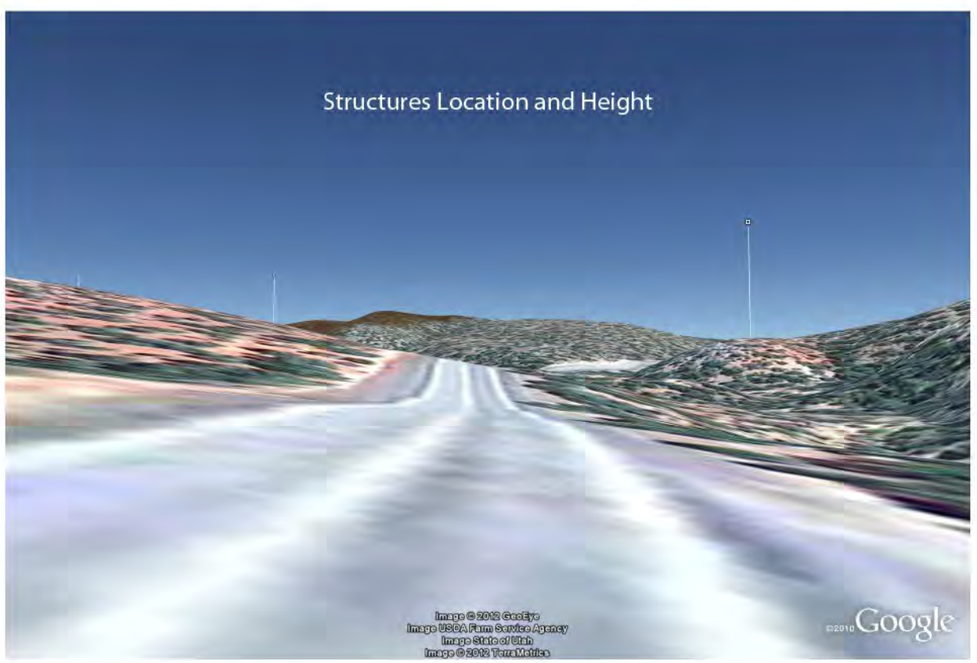
KOP Location

0 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-13
Simulated Condition
(Segment 504)



Form 8400-4
(September 1985)

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
Eastbound
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 PJ. Planar roadside grasses.	Planar roadway
LINE	Curvilinear and angular ridgelines.	Irregular PJ and grass patterns.	Horizontal and curvilinear roadway
COLOR	Light to medium reddish tan and grey..	Dark green PJ to light tan grasses.	Light to medium gray 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		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: 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 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location

KOP Location

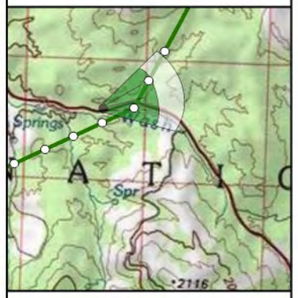
0 2,500 5,000 10,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-14
Enterprise Utah SR 18
(eastbound)
(Segment 503)

Project Location



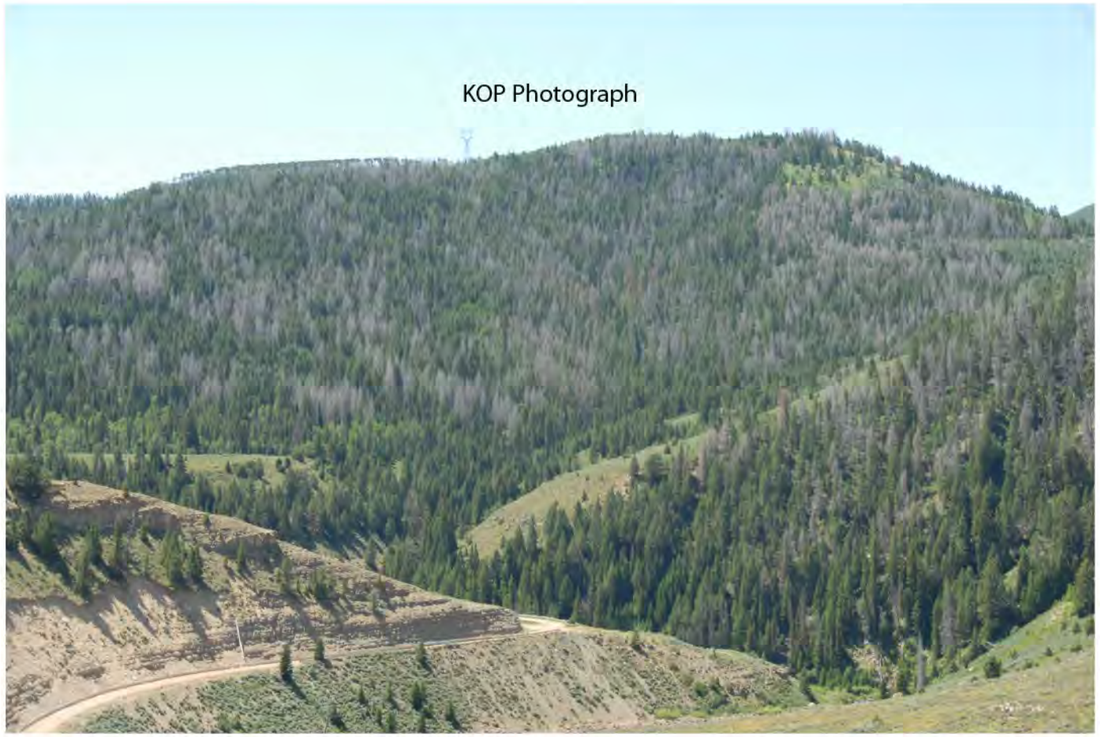
KOP Location

Feet
0 2,500 5,000 10,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SG-14
Simulated Condition
(Segment 503)



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-1 – Segments 320.1 / 320.101 / 320.102 / 320.103

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.
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		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.
TEX-TURE		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: M. Paulson
Date: 07/22/2011

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 contrast and would not be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1 and VR-7) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

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

Project Location

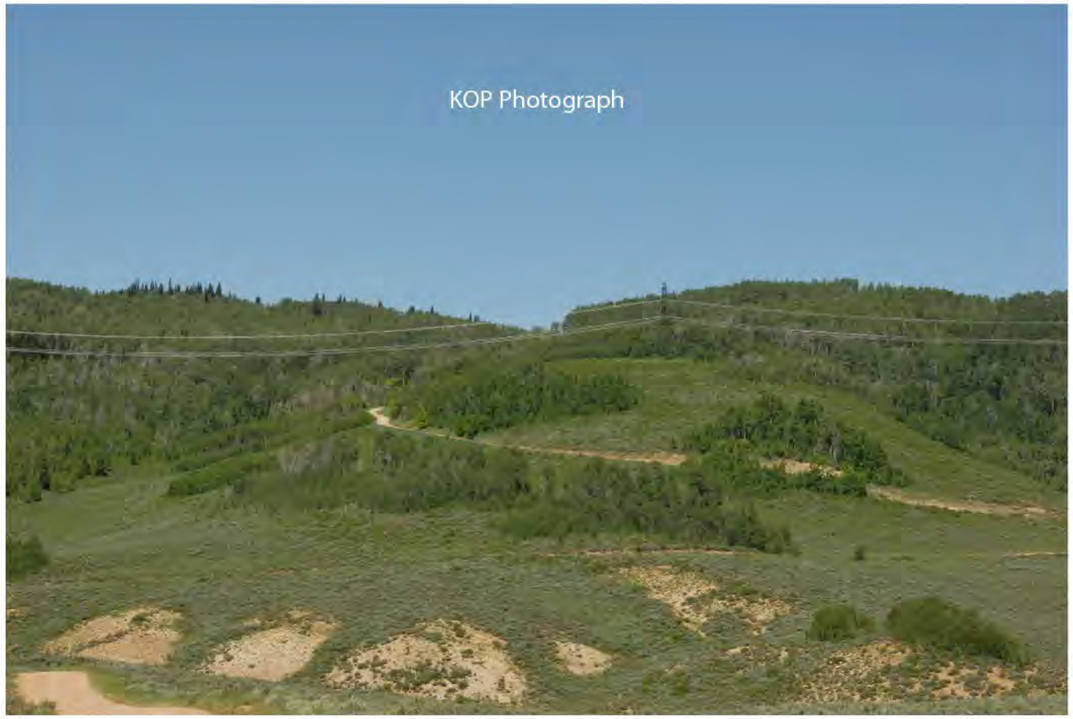
KOP Location

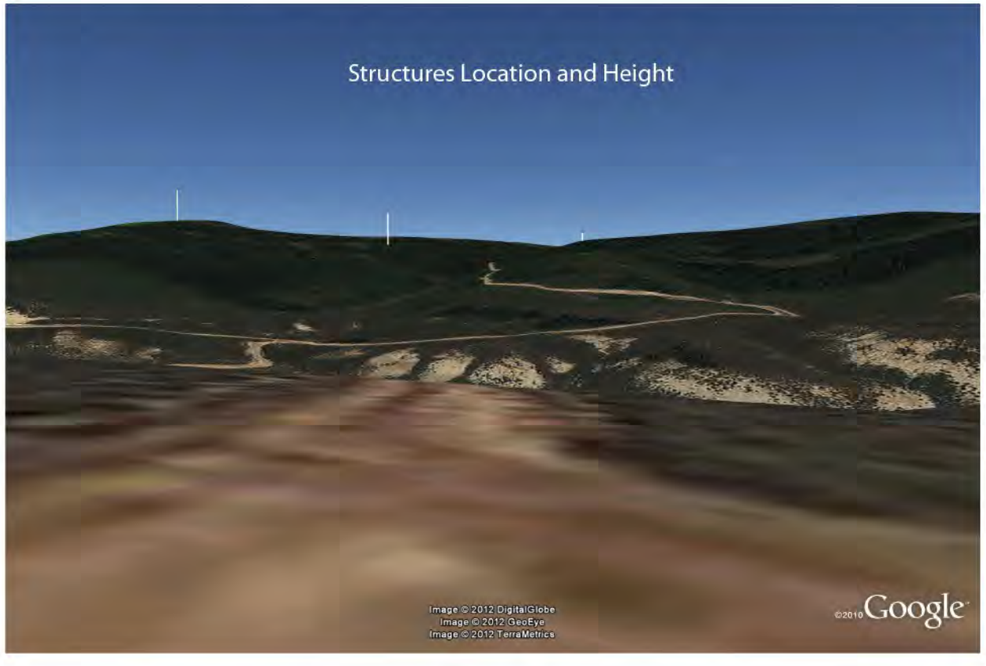
Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-1
Soldier Circle Bay Dam Ovrlk
(Segments 320.1 / 320.101 / 320.102 / 320.103)





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 320.1

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					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)

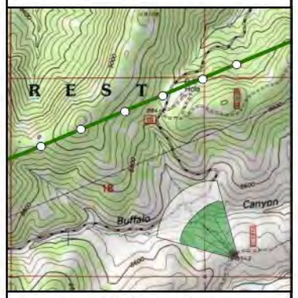
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:
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



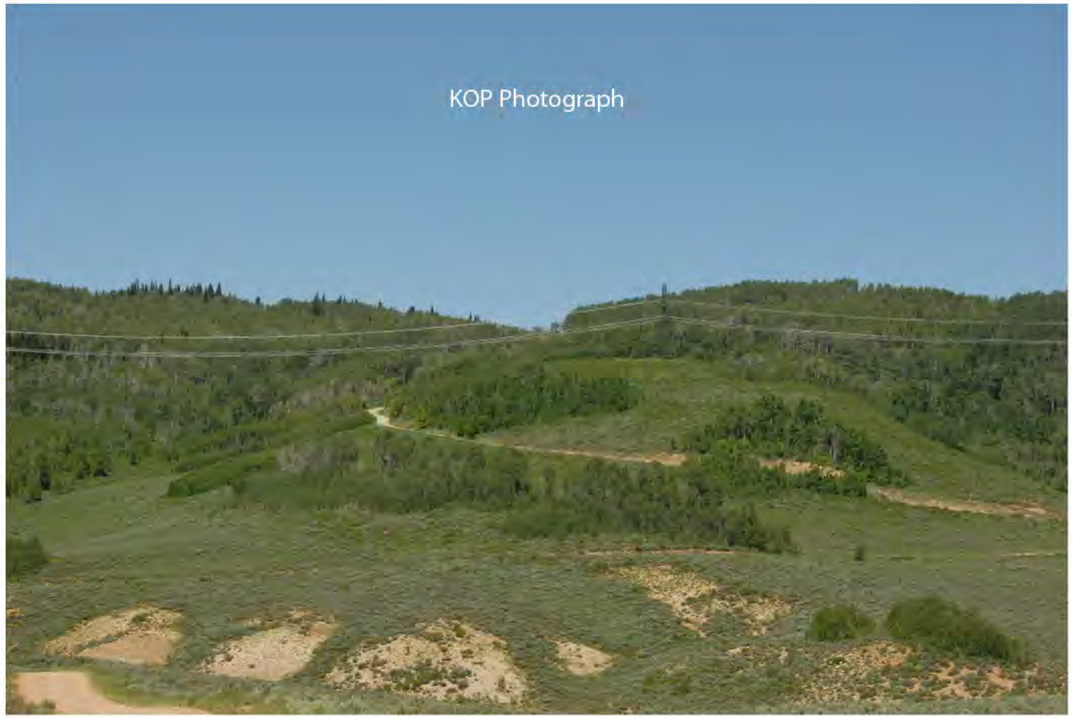
KOP Location

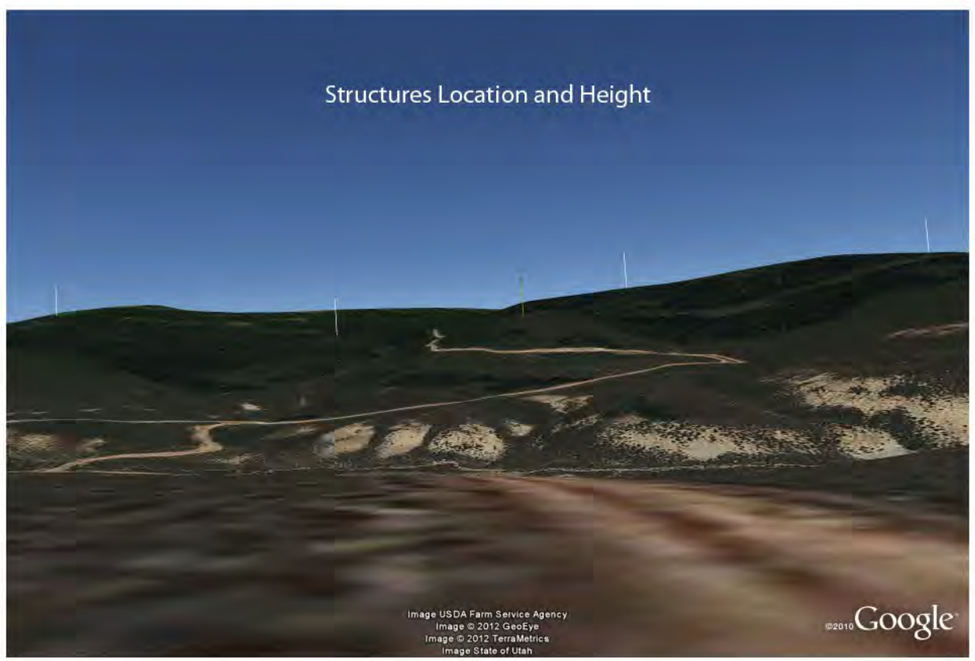
Feet
0 1,400 2,800 5,600

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-2
White River
Recreation Road
(Segment 320.1)





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 320.101
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					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)

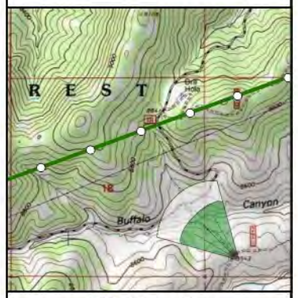
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:
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



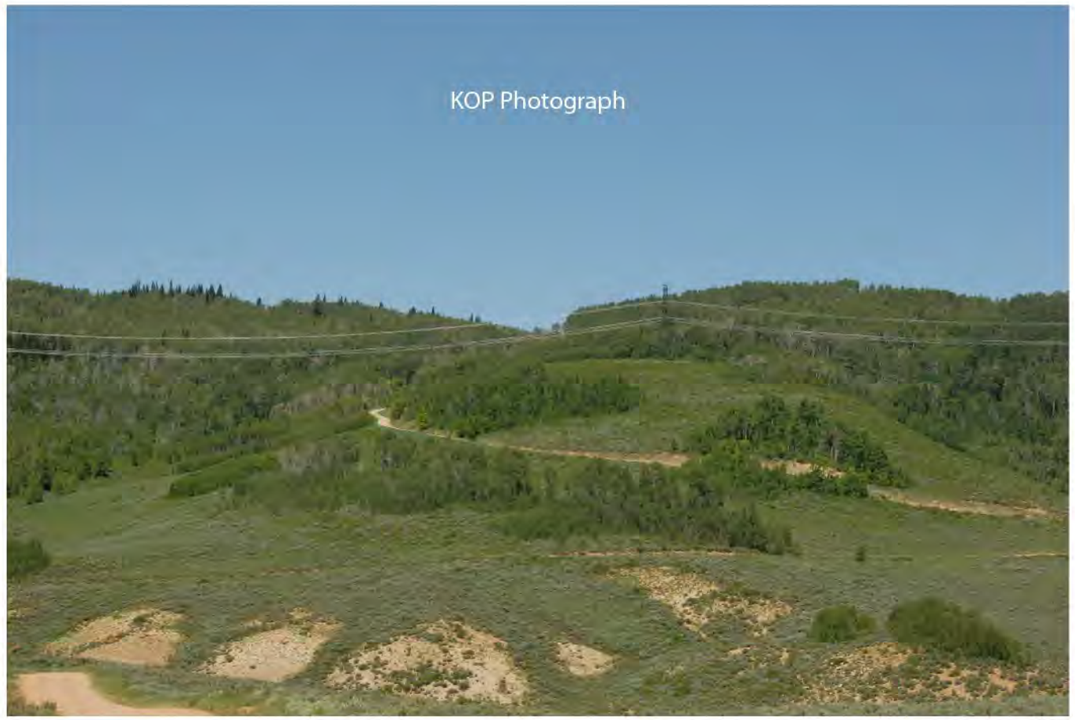
KOP Location

Feet
0 1,400 2,800 5,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-2
White River
Recreation Road
(Segment 320.101)



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 WhiteRv.-Recreation Rd. Township 5S Range 11W Section 17	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point SL-2 – Segment 320.102		
3. VRM Class USFS VQO Partial Retention		

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					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)

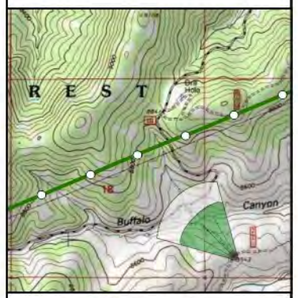
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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-3, VR-6, and VR-7) would further reduce contrasts.

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

Project Location



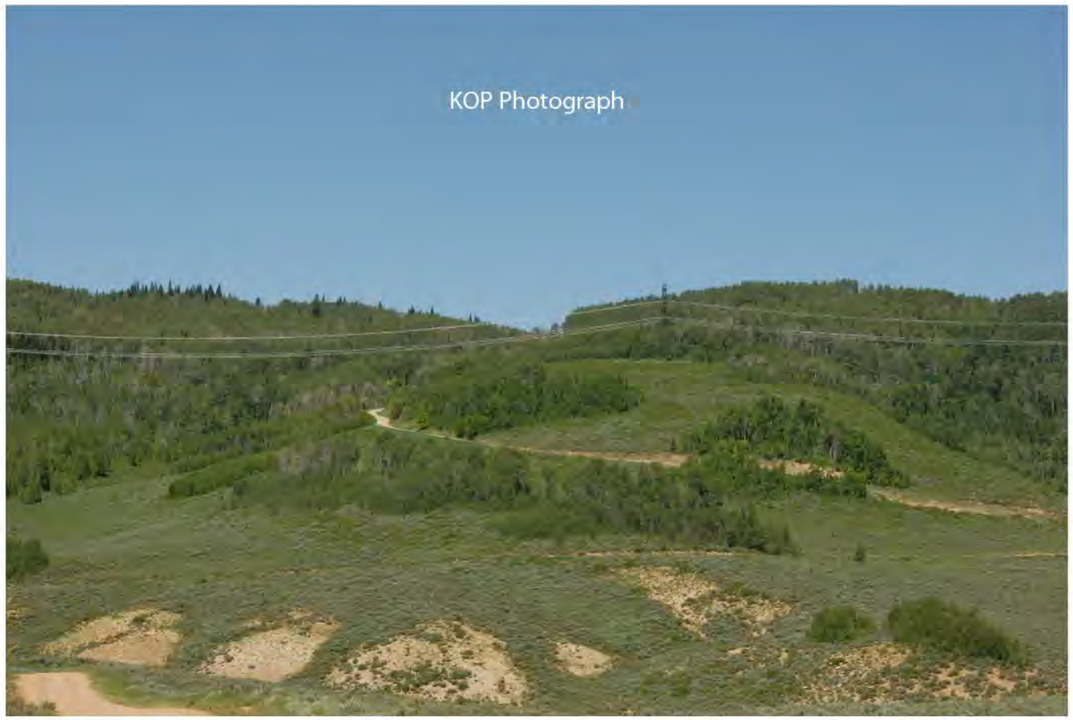
KOP Location

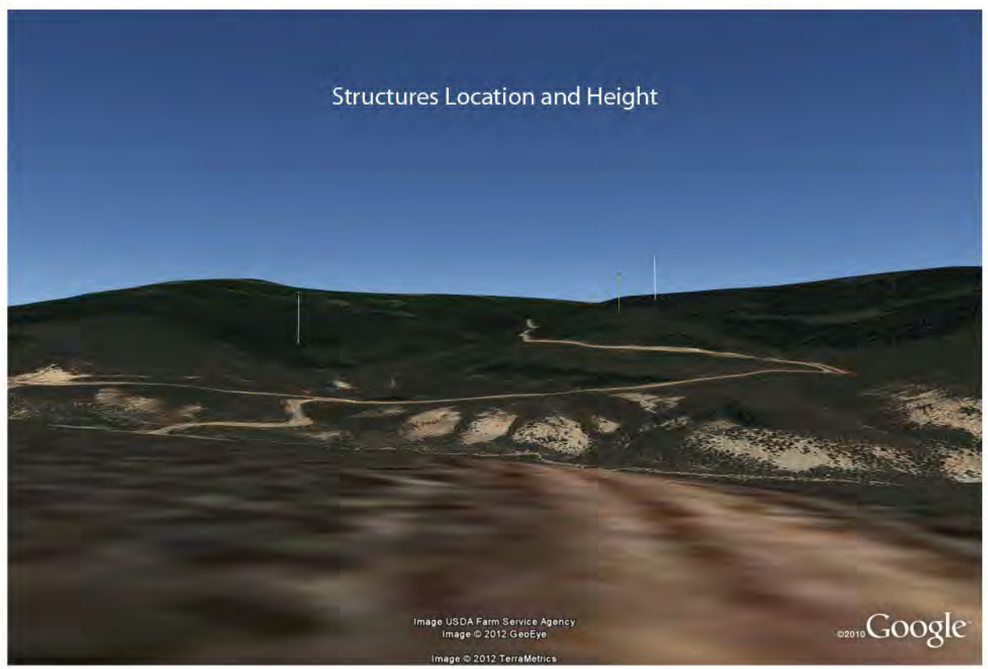
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-2
White River
Recreation Road
(Segment 320.102)





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 WhiteRv.-Recreation Rd. Township 5S Range 11W Section 17	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point SL-2 – Segment 320.103		
3. VRM Class USFS VQO Partial Retention		

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					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-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

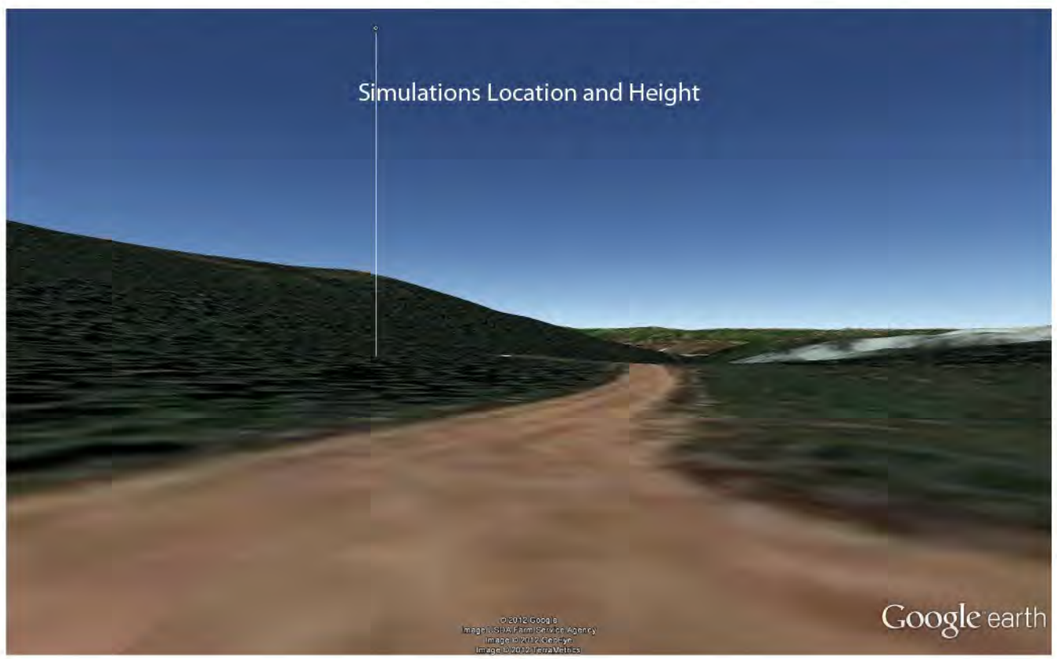
KOP Location

Feet
0 1,400 2,800 5,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-2
White River
Recreation Road
(Segment 320.103)



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: WhiteRv.-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)

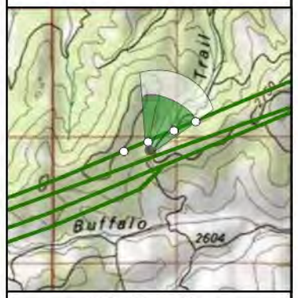
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:
Where the Project 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

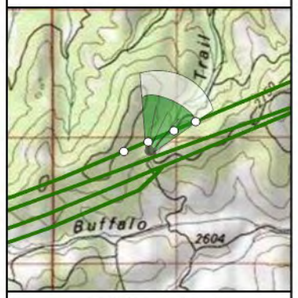
0 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-3
White River
Strawberry Road Bckwy
(Segment 320.1)

Project Location



KOP Location

0 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-3
(Segment 320.1)
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 pinon-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 gray 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 and smooth pole structures.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

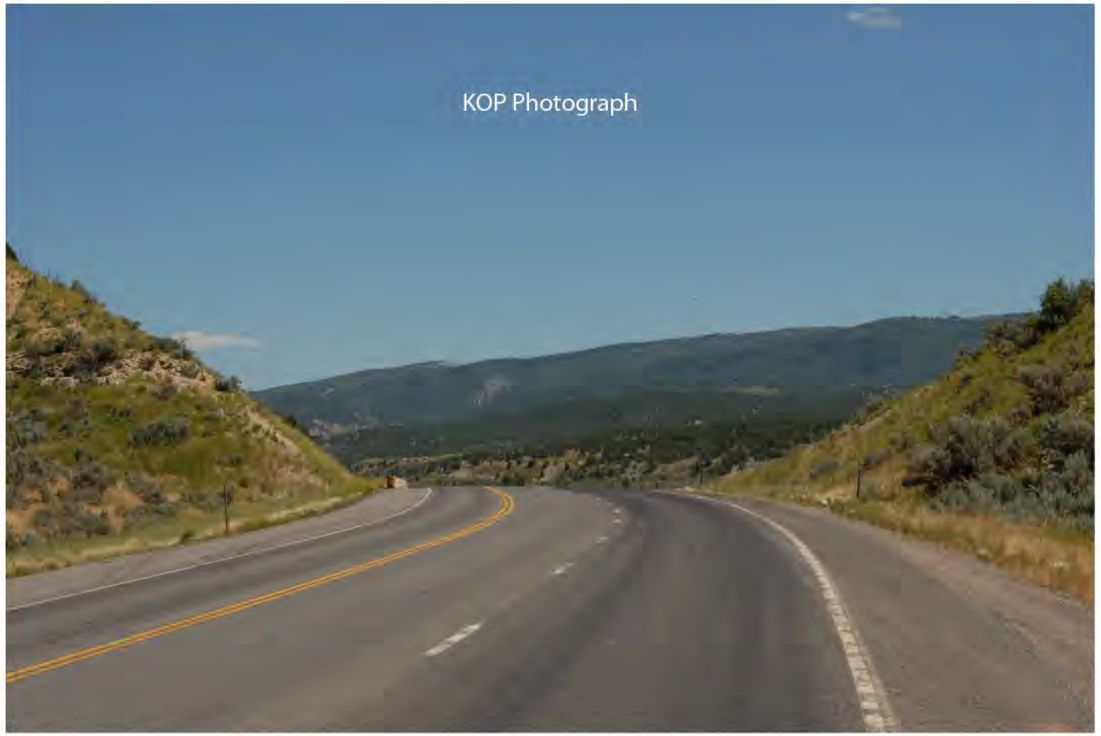
KOP Location

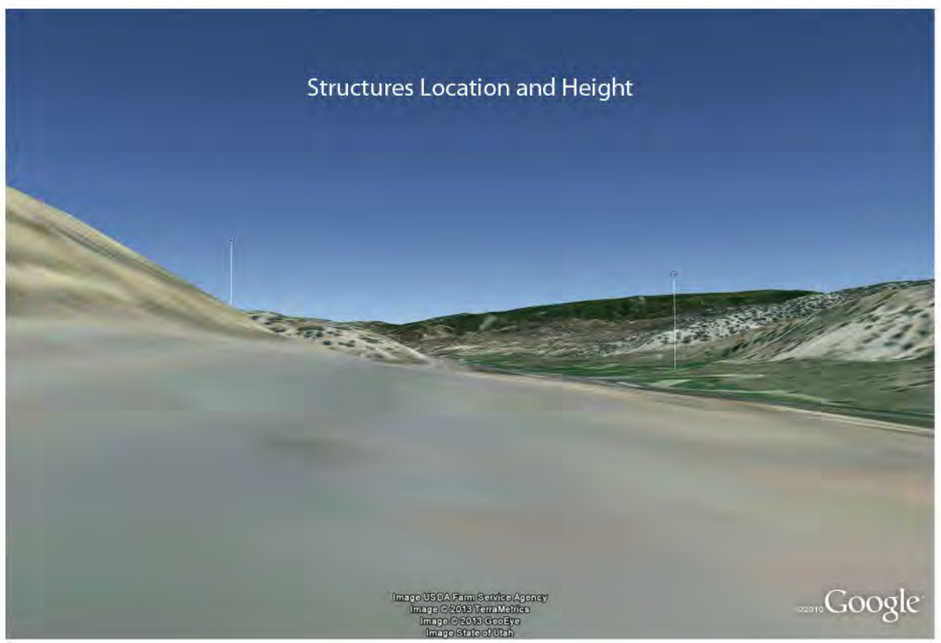
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-5
U.S. 6
(Segment 217.05)





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 EB Township 9S Range 5E Section 34	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point SL-6 - Segments 320.101 / 320.102 / 320.103		
3. VRM Class Private		

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 pinon-juniper, shrubs and grasses. Continuous surface of pinon-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.
TEX-TURE	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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	Date
M. Paulson	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

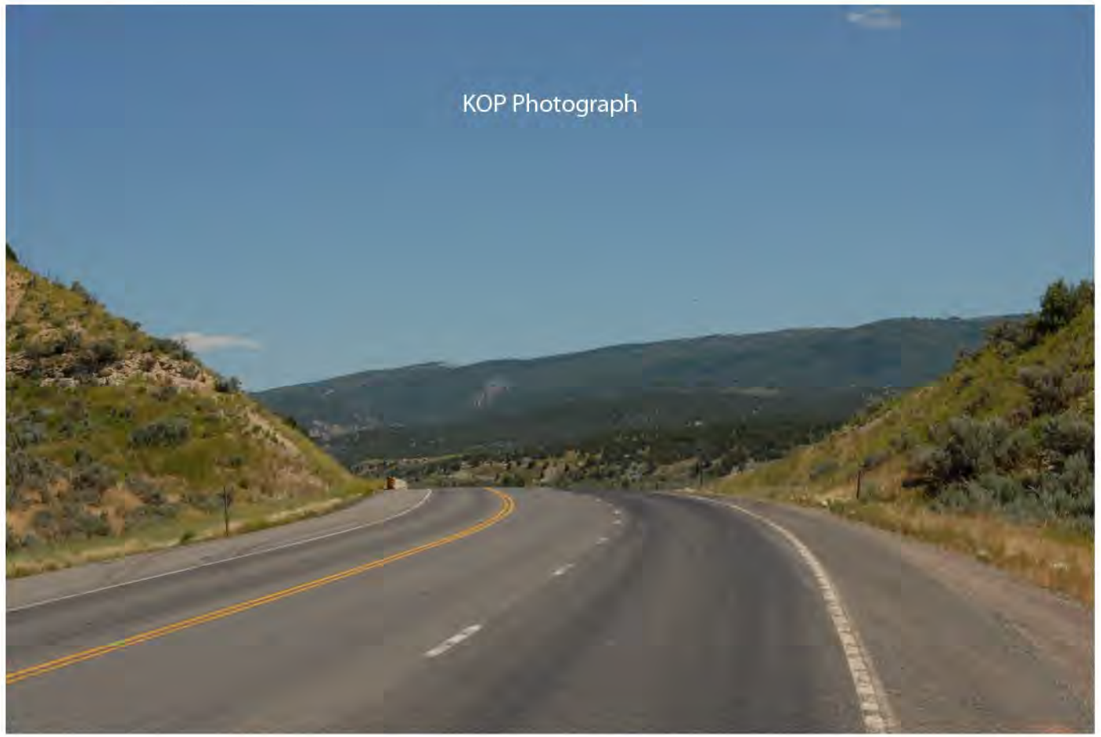
KOP Location

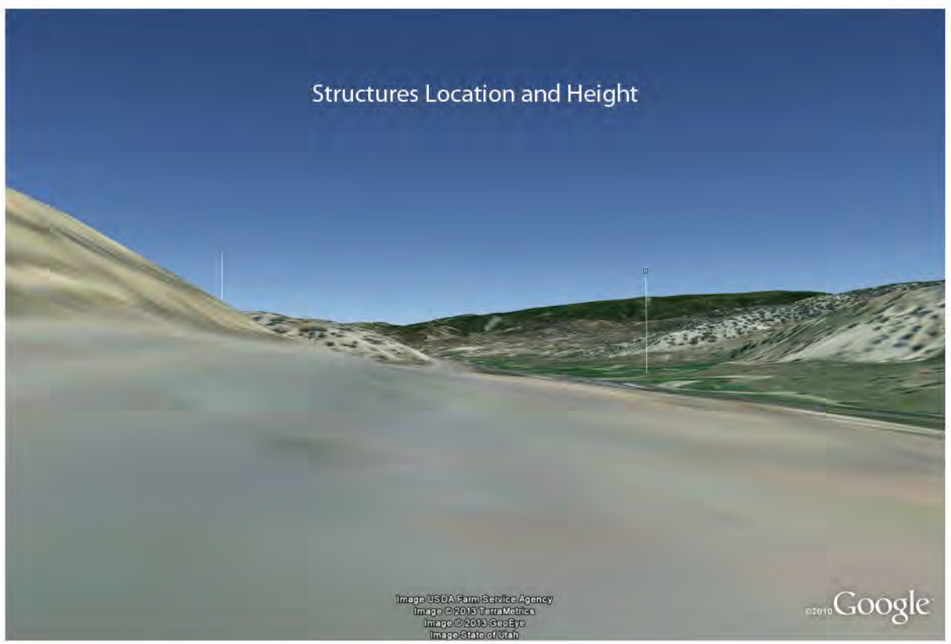
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-6
U.S. 6
(eastbound)
(Segments 320.101 / 320.102 / 320.103)





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 217.05
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 pinon-juniper, shrubs and grasses. Continuous surface of pinon-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.
TEX-TURE	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.
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: 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

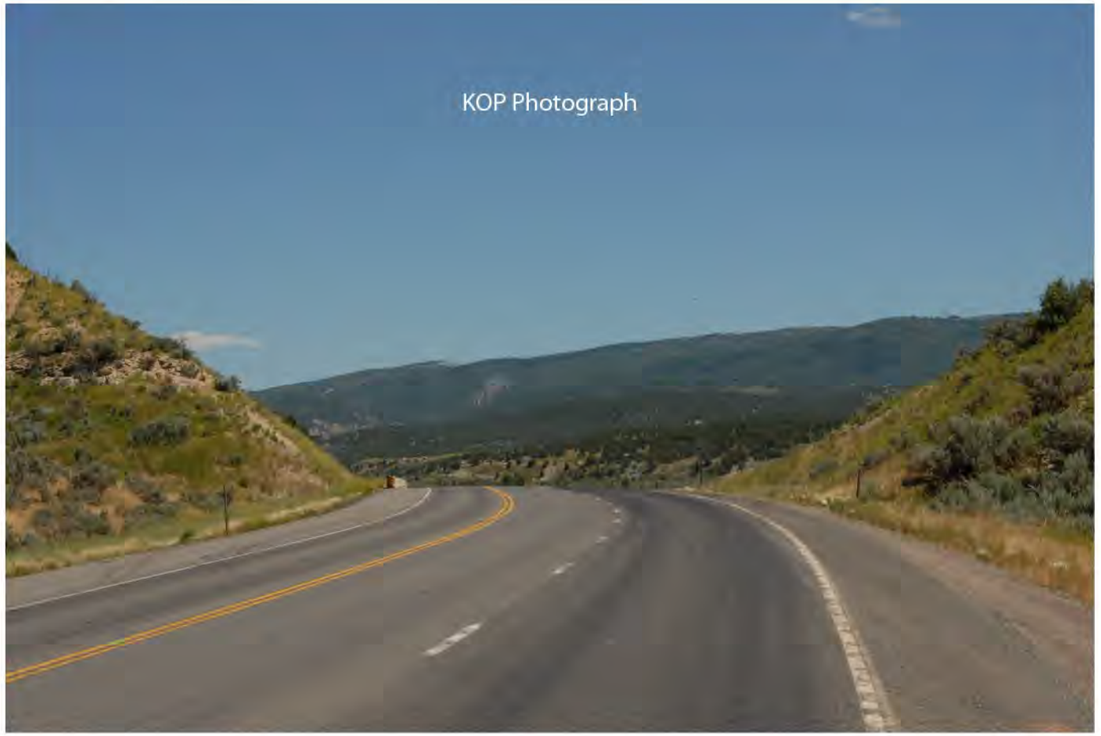
KOP Location

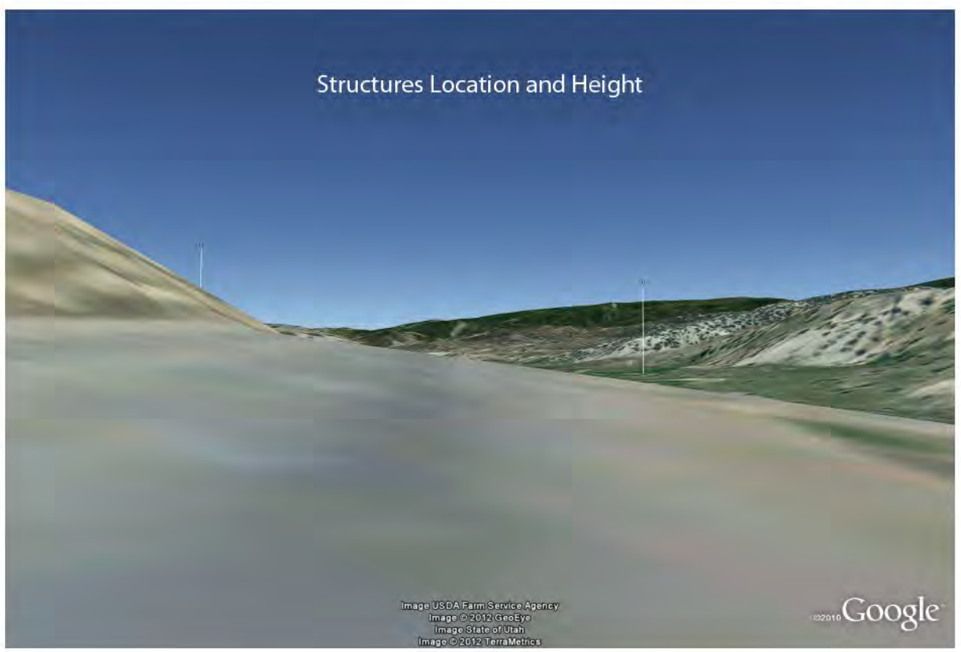
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-6
U.S. 6
(eastbound)
(Segment 217.05)





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 320.1

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 pinon-juniper, shrubs and grasses. Continuous surface of pinon-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.
TEX-TURE	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.
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: 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

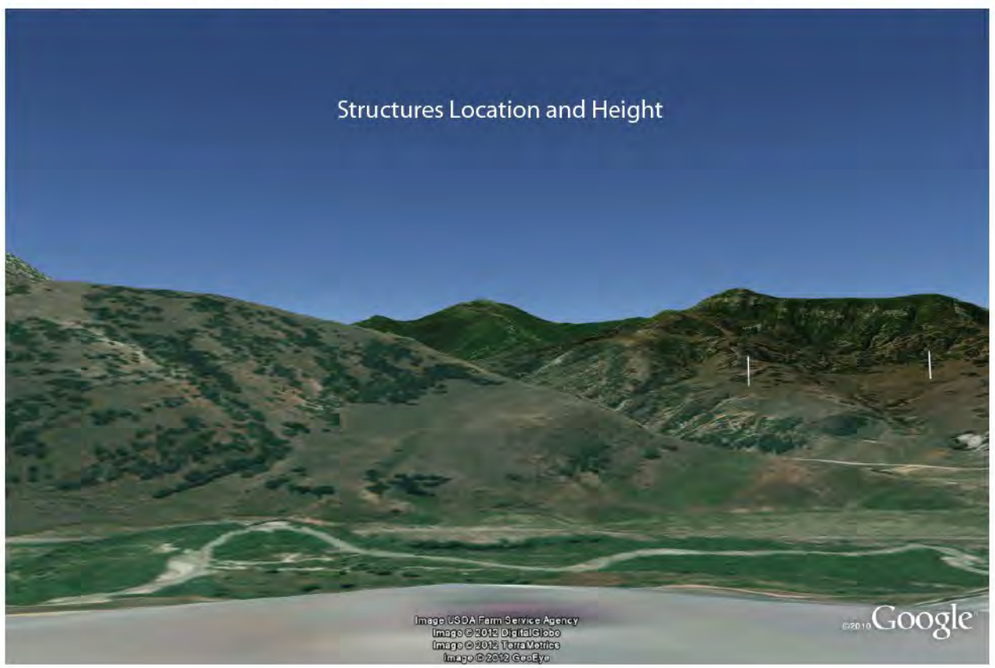
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-6
U.S. 6
(eastbound)
(Segment 320.1)



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 – Segment 320.15		
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)

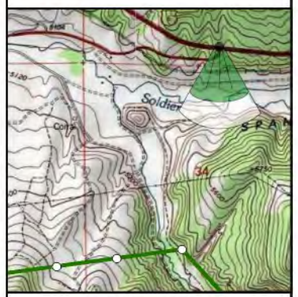
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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



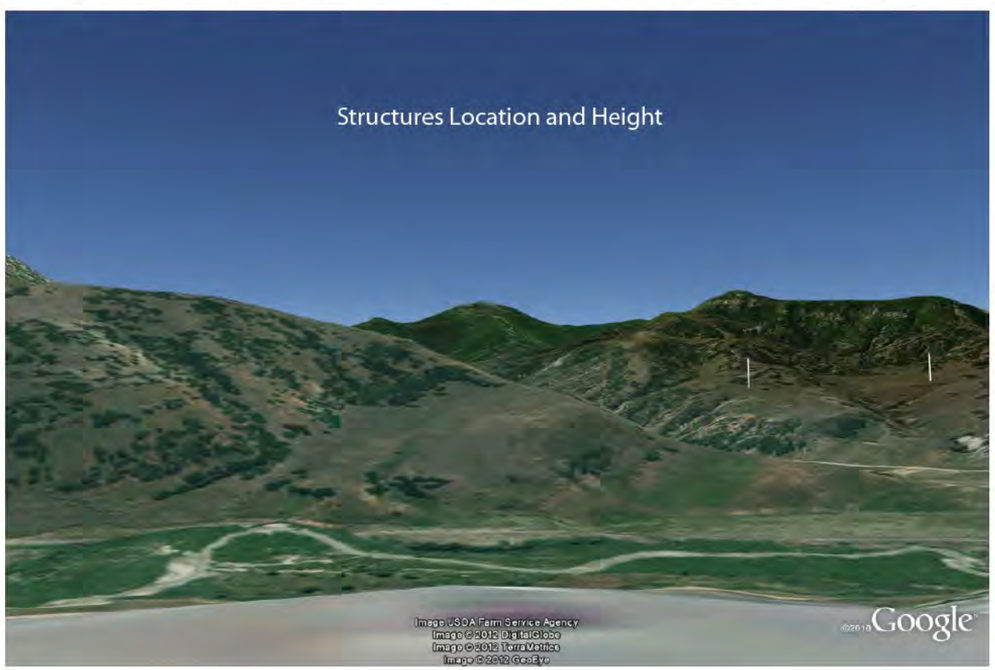
KOP Location

Feet
0 1,250 2,500 5,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-7
U.S. 6/U.S. 89
(Segment 320.15)



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 6-US 89 Township 9S Range 4E Section 27	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point SL-7 – Segment 320.151		
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	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

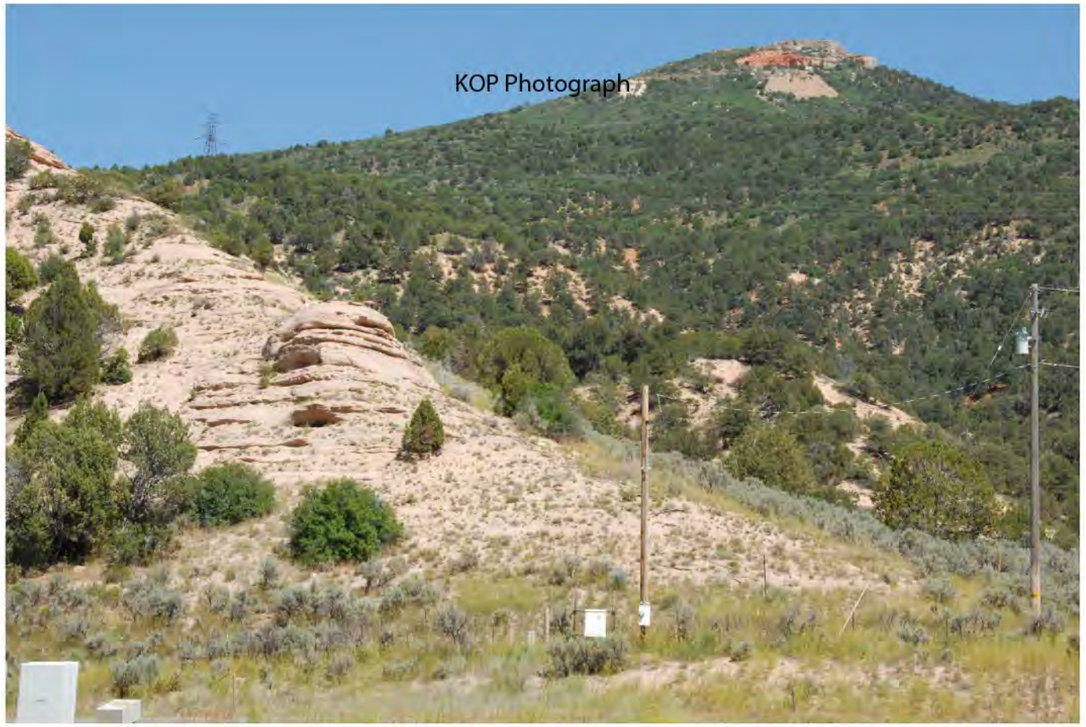
KOP Location

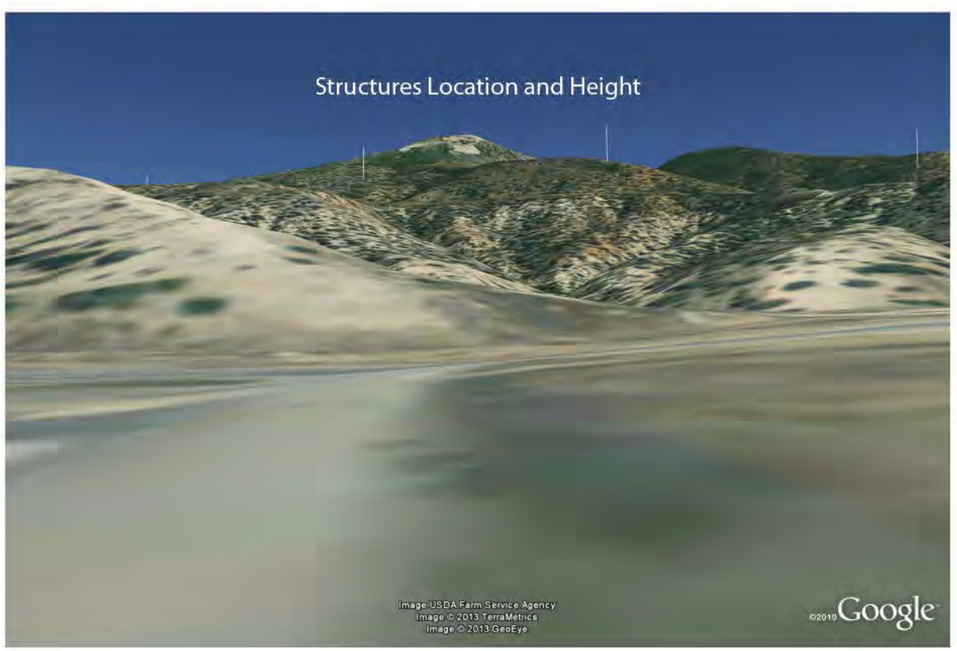
0 1,500 3,000 6,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-7
U.S. 6/U.S. 89
(Segment 320.151)





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-8 – Segment 320.15
3. VRM Class: USFS VQO Partial Retention
4. Location: US 89 - Church; Township 10S; Range 3E; Section 25
5. Location Sketch: Please see Figure 3.12-2

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 pinon-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 pinon-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.
TEX-TURE	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.
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) 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)

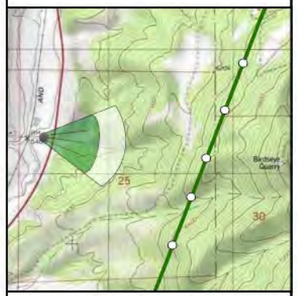
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 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

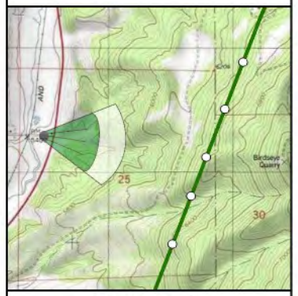
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-8
U.S. 89
Church
(Segment 320.15)

Project Location



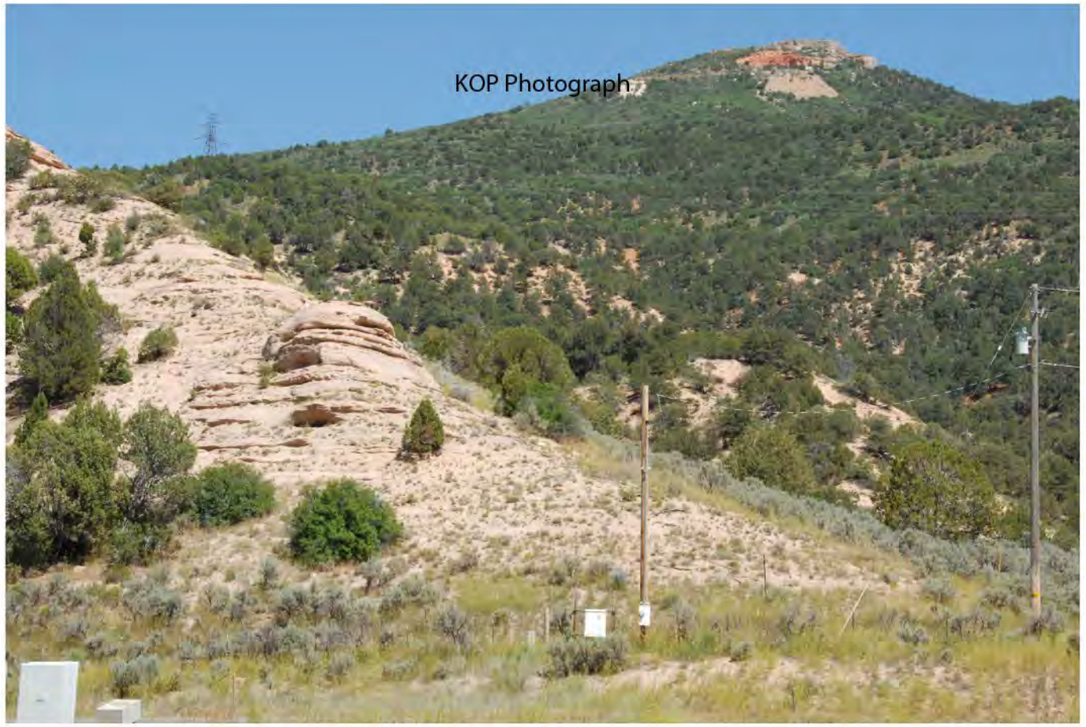
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-8
Simulated Condition
(Segment 320.15)



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-8 – Segment 320.151

3. VRM Class
USFS VQO Partial Retention

4. Location US 89 - Church
Township 10S
Range 3E
Section 25

5. Location Sketch
Please see Figure 3.12-2

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 pinon-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 pinon-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.
TEX-TURE	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.
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)

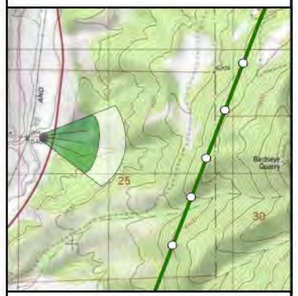
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	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-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



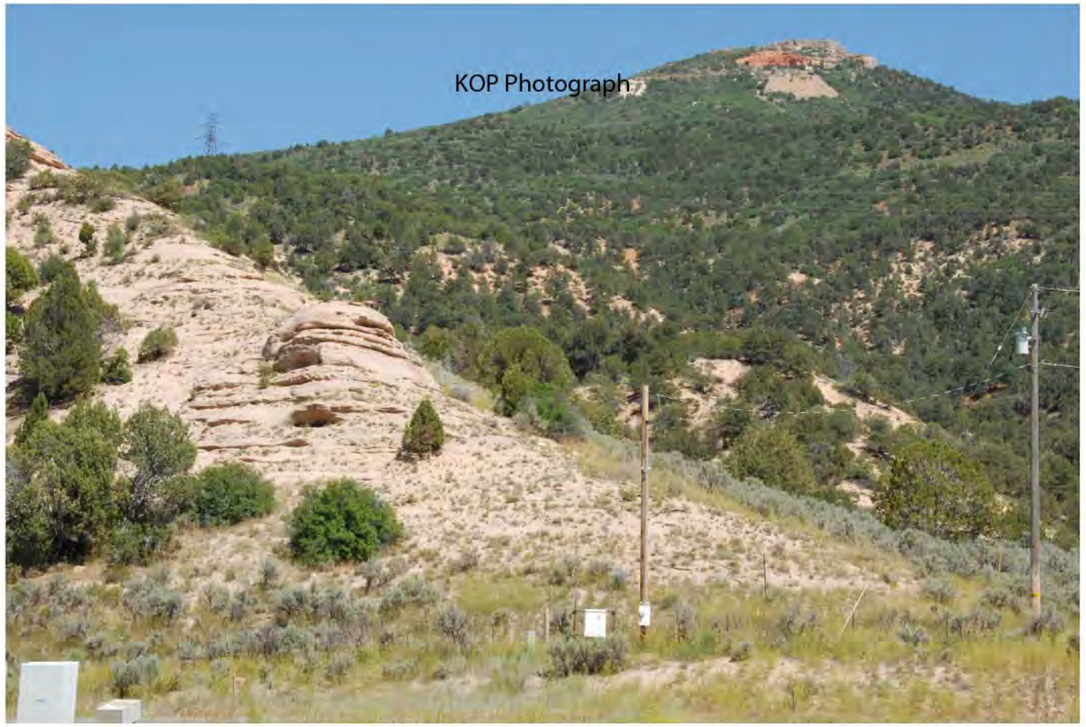
KOP Location

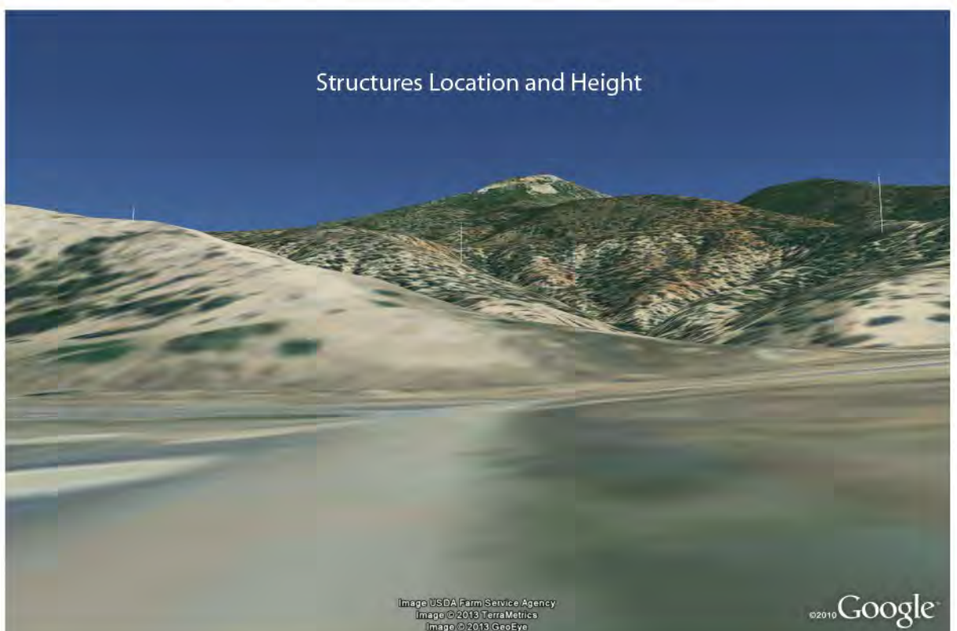
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-8
U.S. 89
Church
(Segment 320.151)





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	**5. Location Sketch**
2. Key Observation Point SL-8 – Segment 320.152	**Township** 10S	Please see Figure 3.12-2
3. VRM Class Private	**Range** 3E	
	Section 25	

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 pinon-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 pinon-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.
TEX-TURE	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.
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)**

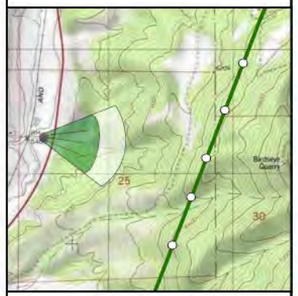
3. Additional mitigating measures recommended ☐ Yes ☐ No **(Explain on reverse side)**

Evaluator's Names	**Date**
M. Paulson	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-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 320.152)

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 pinon-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 gray 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 PJ.	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Linear edges of ROW clearing in PJ.	Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR		Light green to tan grasses and forbs in ROW clearing in PJ.	Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE		Smooth ROW clearing in PJ.	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

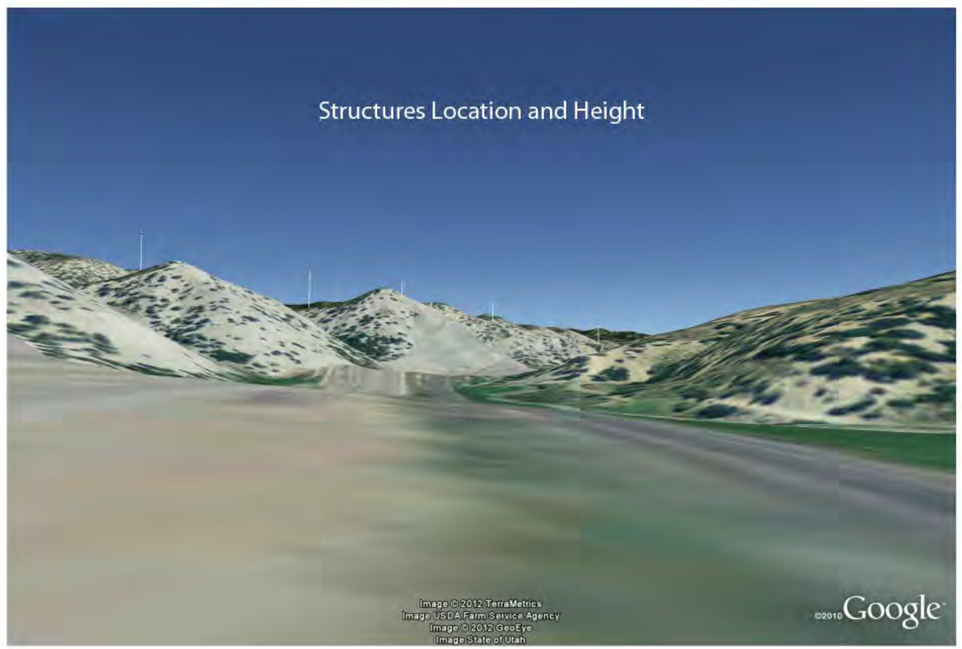
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-9
U.S. 89
(Segment 320.15)



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	4. Location U.S. Hwy 6 (west of Soldier Summit) Township 10S Range 6E Section 16	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point SL-10		
3. VRM Class NA		

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	Grays, reds	Dark greens, tans	Grays, browns
TEX-TURE	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 gray steel lattice structures, guys, and conductors.
TEX-TURE		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

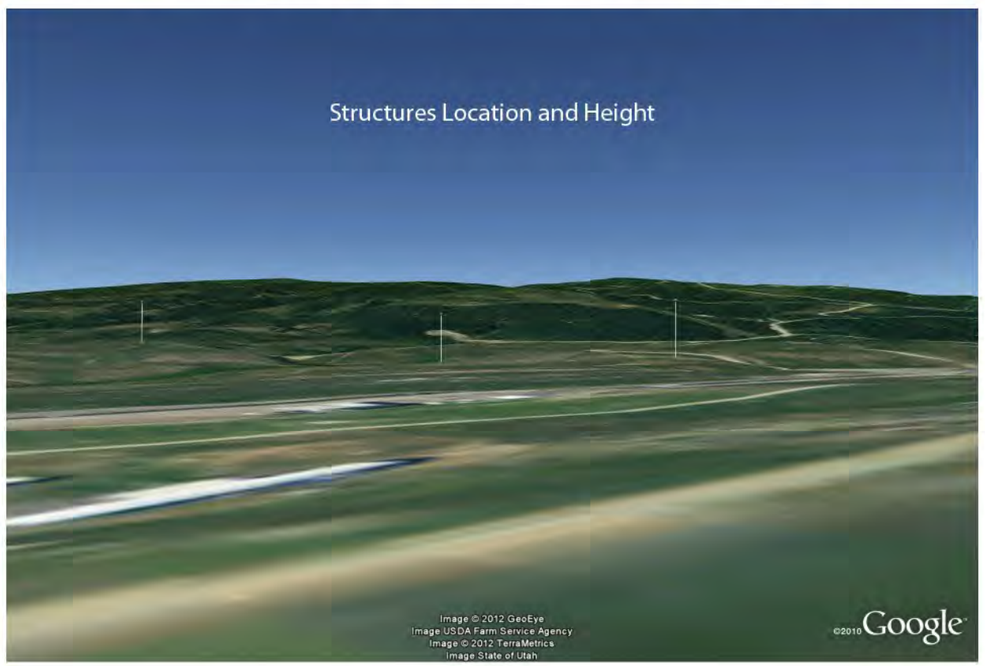
KOP Location

Feet
0 1,900 3,800 7,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP SL-10
U.S. Hightway 6
(west of Soldier Summit)
(Segment 217.05)



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 U.S. Hwy 6 Soldier Summit Residentl 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

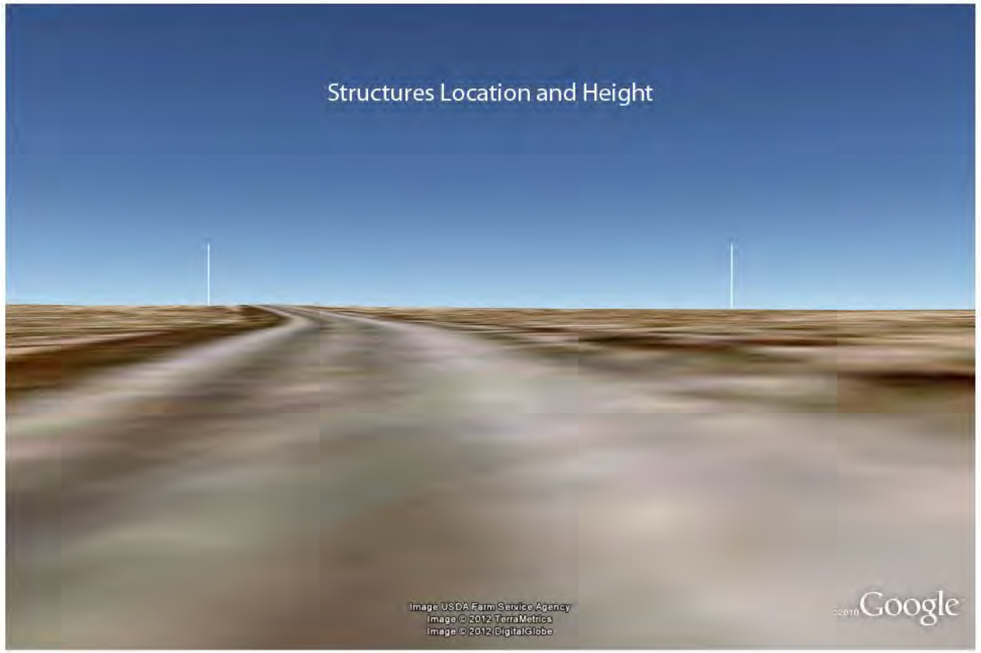
KOP Location

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 217.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-18
3. VRM Class: III (VRI Class III)
4. Location: Utah State Highway 45; Township 7S; Range 22E; Section 11
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar inclined and inclined side slopes.	Organic clumps of sagebrush and grasses.	Strongly planar foreground roadway and steel lattice tower, and cylindrical poles.
LINE	Horizontal skyline and horizontal valley floor.	Indistinct sagebrush and grasses.	Strongly horizontal curvilinear foreground roadway. Vertical steel lattice towers and power poles.
COLOR	Light to medium brown slopes.	Golden tan to brown grasses. Bluish silver green sagebrush.	Light to medium grey towers and paved foreground roadway. Dark brown poles and dark grey substation.
TEXTURE	Smooth landforms.	Coarse shrubs and grasses.	Course lattice tower. Smooth to medium foreground roadway and smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

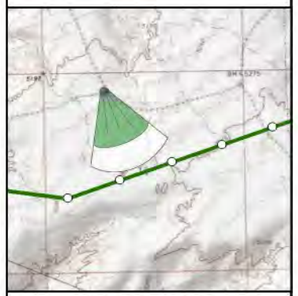
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



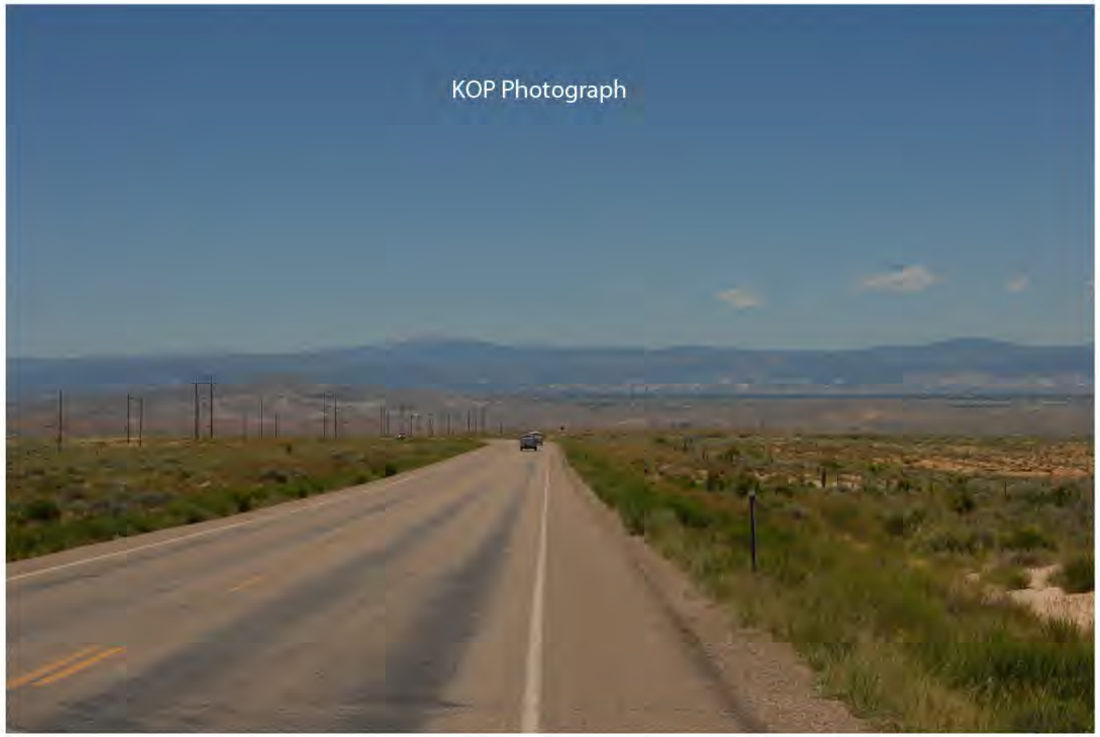
KOP Location

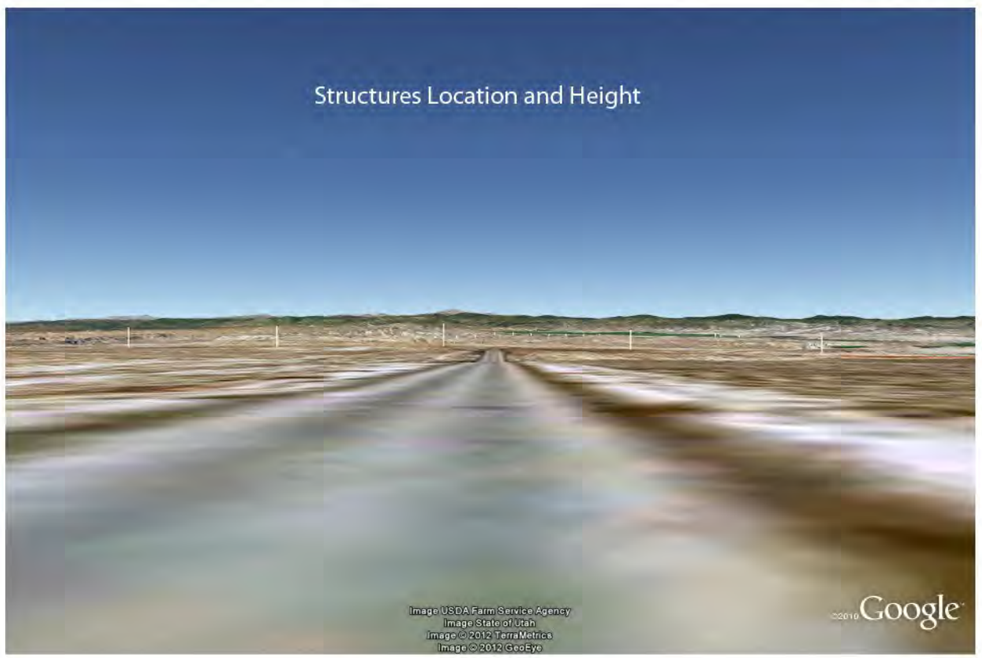
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-18
Utah State Hwy 45
(Segment 212)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Utah State Highway 45 Township 7S Range 22E Section 13	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point V-19		
3. VRM Class III (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountain backdrop. Planar inclined and inclined side slopes.	Organic clumps of sagebrush and grasses.	Strongly planar foreground roadway and h-frame cylindrical poles.
LINE	Angular skyline and horizontal valley floor.	Indistinct sagebrush and grasses.	Strongly horizontal curvilinear foreground roadway. Vertical power poles.
COLOR	Light to medium brown slopes.	Golden tan to brown grasses. Bluish silver green sagebrush.	Dark brown poles and light to medium grey paved roadway.
TEX-TURE	Smooth landforms.	Coarse shrubs and grasses.	Smooth to medium foreground roadway and smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

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

Project Location

KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-19
Utah State Hwy 45
(Segment 212)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Utah State Highway 88 Township 6S Range 20E Section 29	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point V-20		
3. VRM Class IV (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Strong horizontal planar slopes. Moderately inclined side slopes.	Organic clumps of juniper, sagebrush and grasses.	Dbl. circuit steel lattice towers. Strongly planar foreground roadway. Massive PI tower.
LINE	Angular and curvilinear skyline and horizontal valley floor.	Indistinct juniper, sagebrush and grasses.	Vertical, horizontal, and angular tower and conductor elements. Horizontal curvilinear foreground roadway..
COLOR	Very light to medium brown slopes and erosion cuts.	Golden tan to brown grasses. Dark green juniper. Bluish silver green sagebrush.	Light to dark grey towers and conductors. Light to medium grey paved foreground roadway.
TEX-TURE	Smooth landforms.	Coarse sagebrush. Smooth grasses.	Moderate to coarse towers. 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

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

Project Location

KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-20
Utah State Hwy 88
(Segment 213)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-21
3. VRM Class: Private
4. Location: BottleHollow Landing/Campground; Township 2S; Range 1E; Section 21
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Strong planar foreground water and planar distant slopes.	Organic foreground rushes.	Distant dbl. circuit steel lattice towers.
LINE	Strongly horizontal skyline and horizontal lake surface.	Angular edges of rushes.	Vertical tower elements.
COLOR	Strong blue water surface. Very light to medium brown slopes and erosion cuts.	Olive green and golden tan to brown rushes.	Light to dark grey towers.
TEX-TURE	Smooth water and land shapes.	Moderately coarse rushes.	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

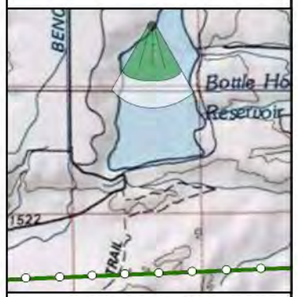
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 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



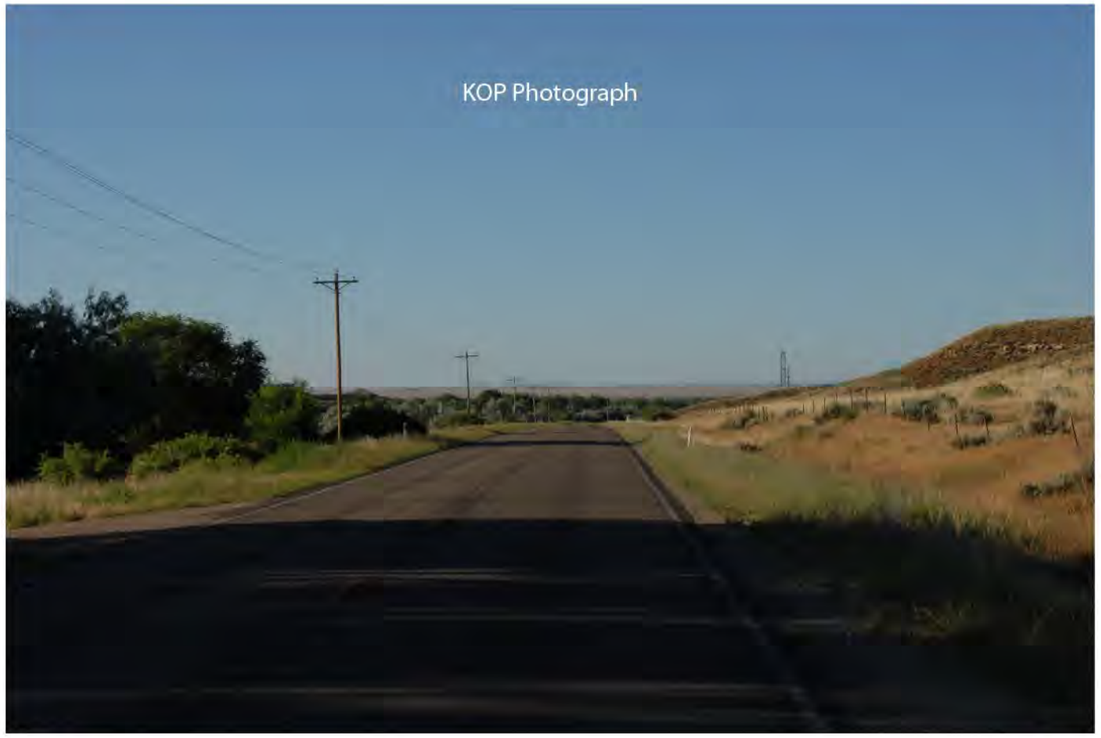
KOP Location

0 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-21
Bottle Hollow Landing Campground
(Segment 320.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Utah State Highway Township 2S Range 1E Section 26	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point V-22		
3. VRM Class Private		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Horizontal planar valley floor and inclined side slopes.	Organic clumps of riparian trees, sagebrush and grasses.	Strongly planar foreground roadway and steel lattice tower, and cylindrical poles.
LINE	Horizontal and angular skyline and horizontal valley floor.	Curvilinear tree edges. Indistinct sagebrush and grasses.	Strongly horizontal foreground roadway. Vertical steel lattice towers and power poles.
COLOR	Light to medium brown slopes.	Dark olive green riparian trees. Golden tan to brown grasses. Bluish silver green sagebrush.	Light to medium grey towers and paved foreground roadway. Dark brown poles and dark grey substation.
TEX-TURE	Smooth landforms.	Coarse trees and shrubs. Smooth grasses.	Course lattice tower. Smooth to medium foreground roadway and smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:

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 V-22
Utah State Hwy
(Segment 320.05)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**4. Location** Utah State Highway	**5. Location Sketch**
2. Key Observation Point V-23	**Township** 2S	Please see Figure 3.12-2
3. VRM Class Private	**Range** 1E	
	Section 35	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Horizontal planar valley floor and inclined side slopes.	Organic clumps of riparian trees, sagebrush and grasses.	Strongly planar foreground roadway and steel lattice tower, and cylindrical poles.
LINE	Horizontal and angular skyline and horizontal valley floor.	Curvilinear tree edges. Indistinct sagebrush and grasses.	Strongly horizontal foreground roadway. Vertical steel lattice towers and power poles.
COLOR	Light to medium brown slopes.	Dark olive green riparian trees. Golden tan to brown grasses. Bluish silver green sagebrush.	Light to medium grey towers and paved foreground roadway. Dark brown poles and dark grey substation.
TEX-TURE	Smooth landforms.	Coarse trees and shrubs. Smooth grasses.	Course lattice tower. Smooth to medium foreground roadway and smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	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

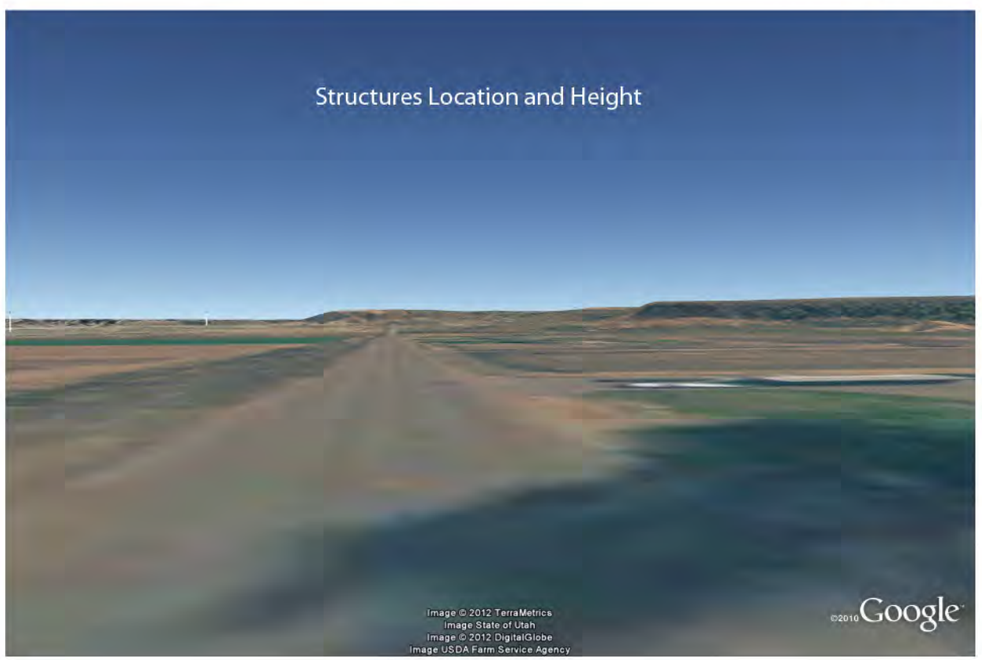
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-23
Utah State Hwy
(Segment 320.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**4. Location** Utah State Highway	**5. Location Sketch**
2. Key Observation Point V-24	**Township** 2S	Please see Figure 3.12-2
3. VRM Class Private	**Range** 1W	
	Section 27	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Horizontal planar valley floor and inclined side slopes.	Organic clumps of riparian trees and shrubs, sagebrush and grasses.	Strongly planar foreground roadway and steel lattice tower, and cylindrical poles. Cubed residential structures.
LINE	Horizontal and angular skyline and horizontal valley floor.	Curvilinear tree edges. Indistinct sagebrush and grasses.	Strongly horizontal foreground roadway. Vertical steel lattice towers and power poles. Horizontal and vertical structures.
COLOR	Light to medium brown slopes.	Dark olive green riparian trees. Golden tan to brown grasses. Bluish silver green sagebrush.	Light to medium grey towers and paved foreground roadway. Dark brown poles and dark grey substation. White structs.
TEX-TURE	Smooth landforms.	Coarse trees and shrubs. Smooth grasses.	Course lattice tower. Smooth to medium foreground roadway and smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST	FEATURES: LAND/WATER BODY (1) 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)

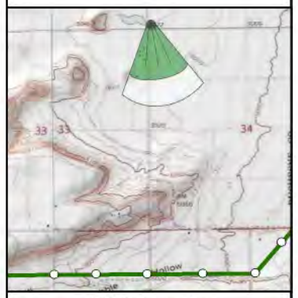
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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



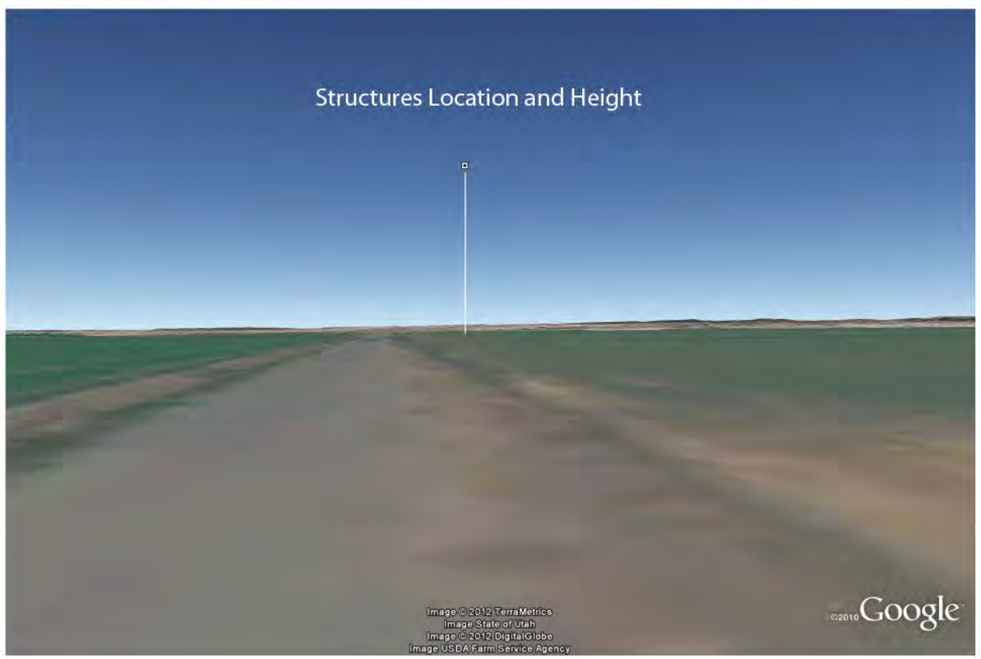
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-24
Utah State Hwy
(Segment 320.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-25
3. VRM Class: Private
4. Location: Utah State Highway; Township 3S; Range 1W; Section 5
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Horizontal planar ridges.	Organic clumps of riparian trees and shrubs, sagebrush and grasses.	Strongly planar foreground roadway and cylindrical poles. Cubed residential structures.
LINE	Horizontal and skyline and horizontal ridge.	Curvilinear tree edges. Rectilinear crops and grasses.	Strongly horizontal foreground roadway. Vertical power poles. Horizontal and vertical structures.
COLOR	Light to medium grey slopes.	Dark olive green trees. Golden tan to brown grasses. Strong green crops.	Light to medium paved foreground roadway. Dark brown poles. Red and white structures.
TEX-TURE	Smooth landforms.	Coarse trees and roadside grasses. Smooth fields and grasses.	Smooth to medium foreground roadway and smooth structures and poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1) 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)

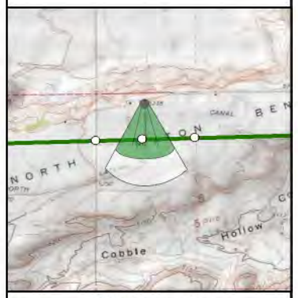
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-25
Utah State Hwy
(Segment 320.05)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
V-26

3. VRM Class
Private

4. Location US 40
Township 2S
Range 1W
Section 31

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Strong horizontal planar mesa slopes. Moderately inclined side slopes.	Organic clumps of trees, juniper, sagebrush and grasses.	Dbl. circuit steel lattice tower and conductors. Strongly planar foreground roadway.
LINE	Angular and curvilinear skyline and horizontal valley floor.	Indistinct juniper, sagebrush and grasses.	Vertical, horizontal, and angular tower and conductor elements. Horizontal curvilinear foreground roadway..
COLOR	Very light to medium brown slopes and erosion cuts.	Golden tan to brown grasses. Dark green deciduous trees and juniper. Bluish silver green sagebrush.	Light to dark grey towers and conductors. Light to medium grey paved foreground roadway.
TEX-TURE	Smooth landforms.	Coarse sagebrush. Smooth grasses.	Moderate to coarse towers. 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.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:

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

Project Location

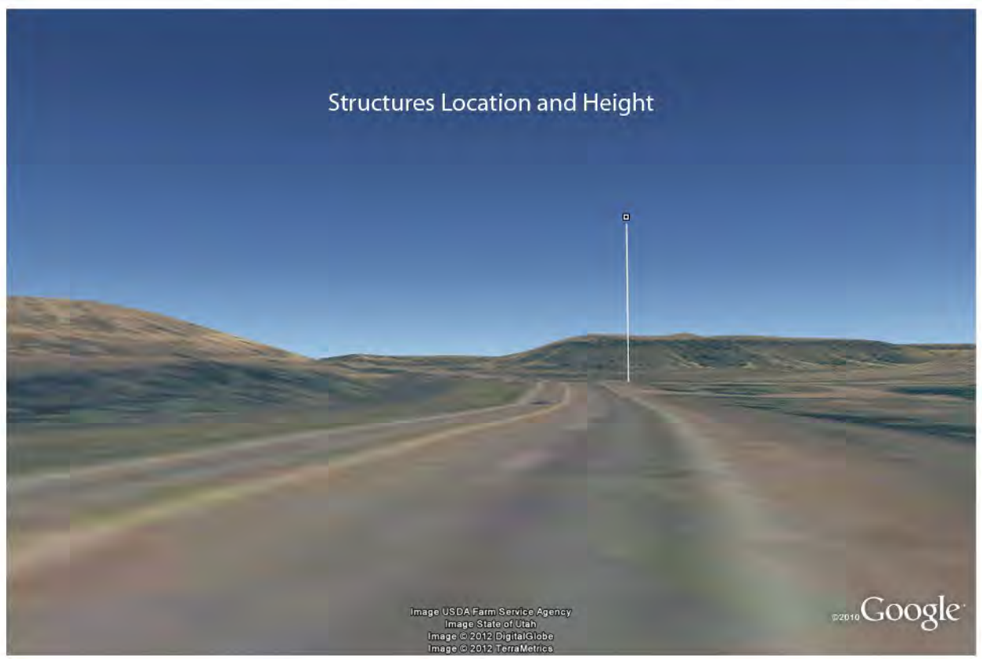
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-26
U.S. 40
(Segment 320.05)



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(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-27
3. VRM Class: Private
4. Location: US 40; Township 3S; Range 2W; Section 1
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Strong horizontal planar mesa slopes. Moderately inclined side slopes.	Organic clumps of trees, juniper, sagebrush and grasses.	Steel lattice cell tower. Strongly planar foreground roadway.
LINE	Horizontal skyline and horizontal valley floor.	Indistinct juniper, sagebrush and grasses.	Vertical, horizontal, and spherical tower elements. Horizontal curvilinear foreground roadway..
COLOR	Very light to medium brown slopes and erosion cuts.	Golden tan to brown grasses. Dark green deciduous trees and juniper. Bluish silver green sagebrush.	Light to dark grey tower. Light to medium grey paved foreground roadway.
TEX-TURE	Smooth landforms.	Coarse sagebrush. Smooth grasses.	Moderate tower. 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.
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) 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

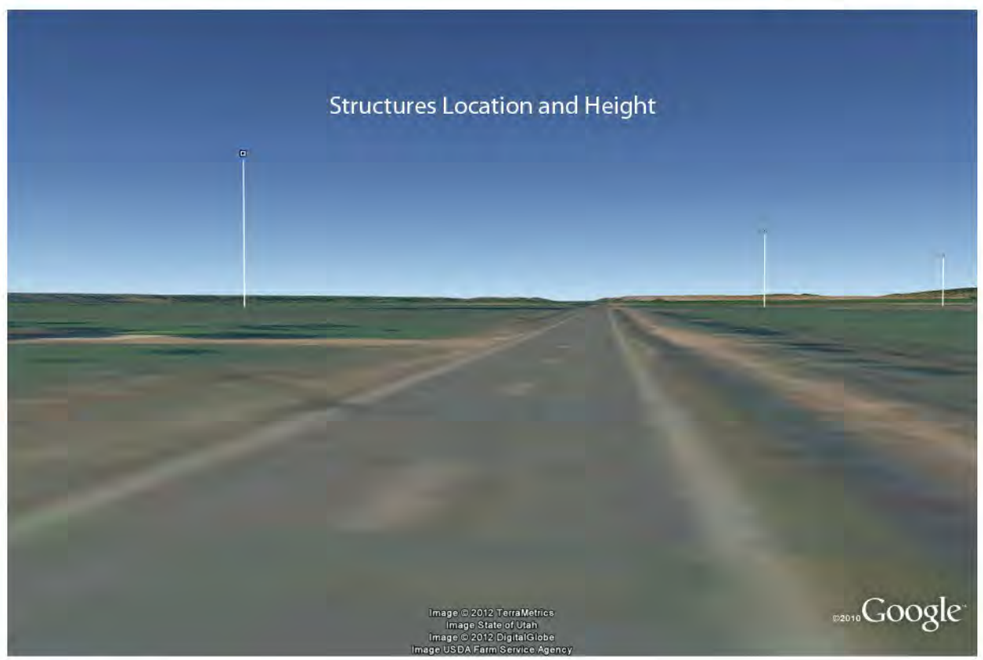
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-27
U.S. 40
(Segment 320.05)



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-28
3. VRM Class: Private
4. Location: Utah State Highway 87–Residential; Township 3S; Range 2W; Section 4
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Horizontal planar ridges.	Organic clumps of residential trees, shrubs and grasses.	Strongly planar foreground roadway and cylindrical poles. Cubed residential structures.
LINE	Horizontal skyline.	Curvilinear tree edges. Rectilinear roadside grasses.	Strongly horizontal foreground roadway. Vertical power poles. Horizontal and vertical structures.
COLOR	Light to medium light to medium brown soil.	Dark olive green trees. Light silver gray green shrubs. Golden tan to green grasses. Strong green mown areas.	Light to medium paved foreground roadway. Dark brown poles. White structures.
TEX-TURE	Smooth landforms.	Coarse trees and roadside grasses.	Smooth to medium foreground roadway and smooth structures and poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:

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

Project Location

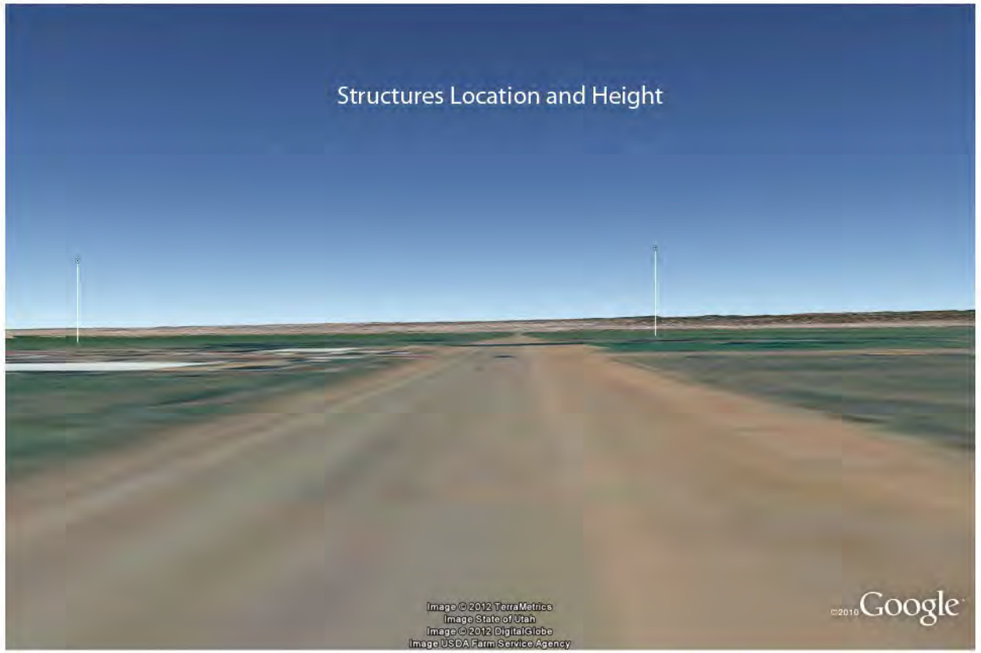
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-28
Utah State Hwy 87
Residential
(Segment 320.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**4. Location** Utah State Highway 87–Residential	**5. Location Sketch**
2. Key Observation Point V-29	**Township** 2S	Please see Figure 3.12-2
3. VRM Class Private	**Range** 3W	
	Section 28	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Horizontal planar ridges.	Organic clumps of residential trees, shrubs and grasses.	Strongly planar steel lattice tower, conductors, foreground roadway and cylindrical poles. Cubed residential structures.
LINE	Horizontal skyline.	Curvilinear tree edges. Rectilinear roadside grasses.	Strongly horizontal foreground roadway. Vertical lattice towers and power poles. Horizontal and vertical structures.
COLOR	Light to medium light to medium brown soil.	Dark olive green trees. Light silver gray green shrubs. Golden tan to green grasses. Strong green mown areas.	Dark grey tower. Light to medium paved foreground roadway. Dark brown poles. White structures.
TEX-TURE	Smooth landforms.	Coarse trees and roadside grasses.	Smooth to medium foreground roadway and smooth structures and poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	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

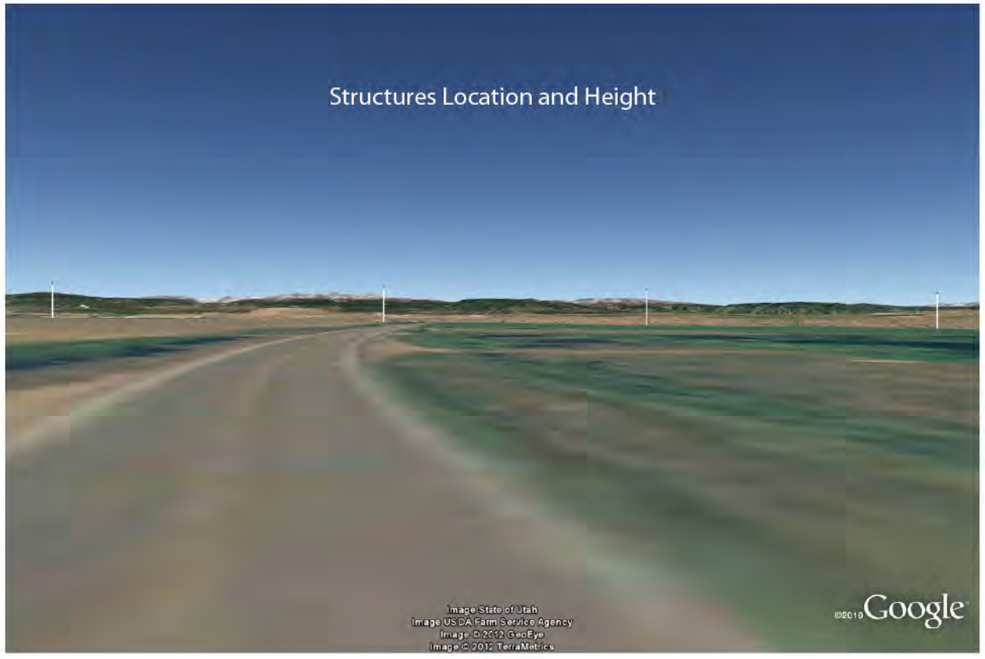
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-29
Utah State Hwy 87
Residential
(Segments 320.1 / 320.101 / 320.102 / 320.103)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
V-30 – Segments 320.1 / 320.101 / 320.102 / 320.103

3. VRM Class
Private

4. Location Utah State Highway 87
Township 2S
Range 3W
Section 33

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Inclined rounded mountain ridges. Planar valley floor.	Organic clumps of roadside shrubs and grasses.	Strongly planar steel lattice tower, conductors, foreground roadway and cylindrical irrigation pipe.
LINE	Angular mountain skyline.	Curvilinear shrub edges. Indistinct roadside grasses.	Strongly horizontal foreground roadway. Vertical lattice towers and horizontal conductors.
COLOR	Light to medium light to medium brown soil.	Dark olive green trees. Light silver gray green shrubs. Golden tan to green grasses. Strong green mown areas.	Dark grey tower. Light to medium paved foreground roadway.
TEX-TURE	Smooth landforms.	Coarse trees and roadside grasses.	Coarse tower. Smooth to medium foreground roadway and smooth structures.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

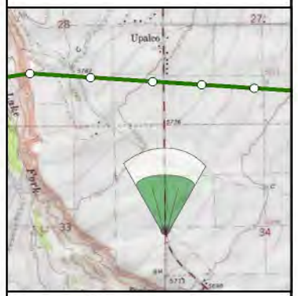
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:

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

Project Location



KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-30
Utah State Hwy 87
(Segments 320.1 / 320.101 / 320.102 / 320.103)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-31
3. VRM Class: Private
4. Location: Utah State Highway 87; Township 2S; Range 4W; Section 31
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountain backdrop. Planar inclined and inclined side slopes.	Organic clumps of sagebrush and grasses.	Strongly planar foreground roadway and two sets of cylindrical poles.
LINE	Angular skyline and horizontal valley floor.	Indistinct sagebrush and grasses.	Strongly horizontal foreground roadway. Vertical power poles.
COLOR	Light to medium brown slopes.	Golden tan to brown grasses. Bluish silver green sagebrush.	Dark brown poles and light to medium grey paved roadway.
TEX-TURE	Smooth landforms.	Coarse shrubs and grasses.	Smooth to medium foreground roadway and smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

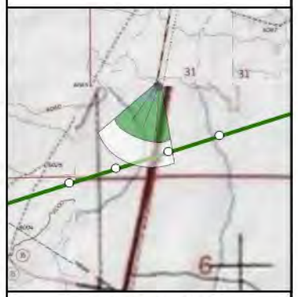
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:

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 V-31
Utah State Hwy 87
(Segments 320.1 / 320.101 / 320.102 / 320.103)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Utah State Highway 87 Township 3S Range 4W Section 6	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point V-32		
3. VRM Class Private		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountain backdrop. Planar inclined and inclined side slopes.	Organic clumps of sagebrush and grasses.	Strongly planar foreground roadway and two sets of cylindrical poles.
LINE	Angular skyline and horizontal valley floor.	Indistinct sagebrush and grasses.	Strongly horizontal foreground roadway. Vertical power poles.
COLOR	Light to medium brown slopes.	Golden tan to brown grasses. Bluish silver green sagebrush.	Dark brown poles and light to medium grey paved roadway.
TEX-TURE	Smooth landforms.	Coarse shrubs and grasses.	Smooth to medium foreground roadway and smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:

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 V-32
Utah State Hwy 87
(Segments 320.1 / 320.101 / 320.102 / 320.103)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-33
3. VRM Class: Private
4. Location: Utah State Highway 87; Township 3S; Range 5W; Section 1
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mesa mountain backdrop. Planar inclined and inclined side slopes.	Organic clumps of pinon-juniper, sagebrush and grasses.	Strongly planar foreground roadway and cylindrical poles. Cubed residential structures.
LINE	Angular skyline and horizontal valley floor.	Indistinct sagebrush and grasses.	Strongly curvilinear horizontal foreground roadway. Vertical power poles. Horizontal and vertical structures.
COLOR	Light to medium brown slopes.	Golden tan to brown grasses. Bluish silver green sagebrush.	Dark brown poles and light to medium grey paved roadway. White and grey residential structures.
TEX-TURE	Smooth landforms.	Coarse shrubs and grasses.	Smooth to medium foreground roadway and smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:

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

Project Location

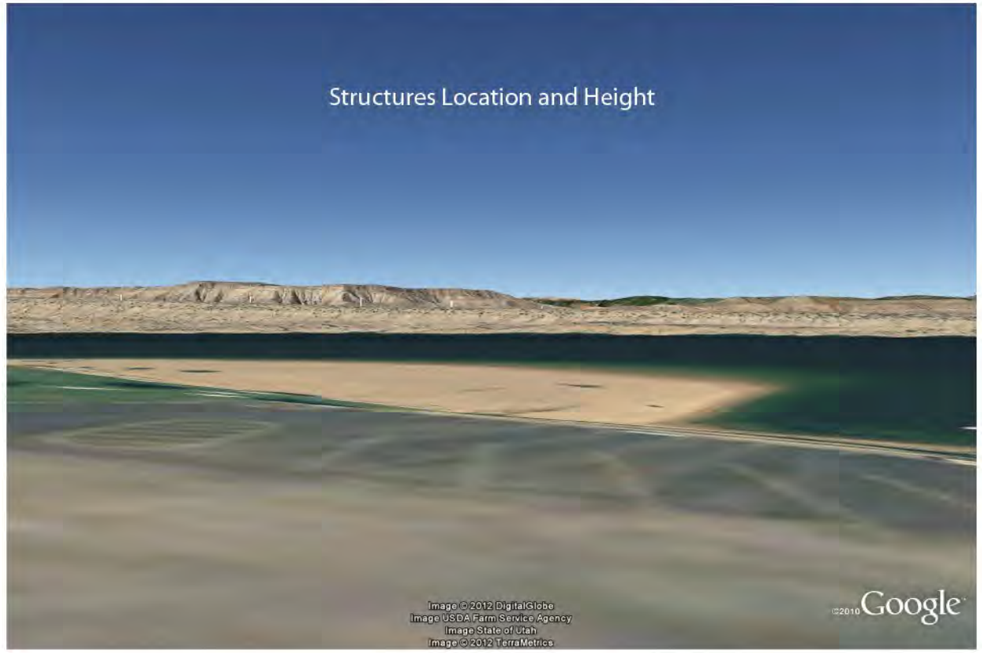
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-33
Utah State Hwy 87
(Segments 320.1 / 320.101 / 320.102 / 320.103)



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Boat Launch-Campground Township 3S Range 5W Section 28	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point V-34		
3. VRM Class State Park		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar water surface. Angular mesa mountain backdrop. Planar inclined and inclined side slopes.	Organic clumps of pinon-juniper, sagebrush and grasses.	Strongly pyramidal foreground picnic structures. Multiple shapes of RVs.
LINE	Angular skyline and horizontal water surface edge.	Indistinct sagebrush and grasses.	Strongly angular, horizontal and vertical structures.
COLOR	Strongly blue water surface. Light to medium brown slopes.	Strongly dark and medium olive green trees. Golden tan to brown grasses.	Dark brown roofs and light to medium grey brown roadway. Multiple colors of RVs.
TEX-TURE	Smooth water and landforms.	Coarse trees, shrubs and grasses.	Smooth to medium foreground roadway and smooth poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:

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

Project Location

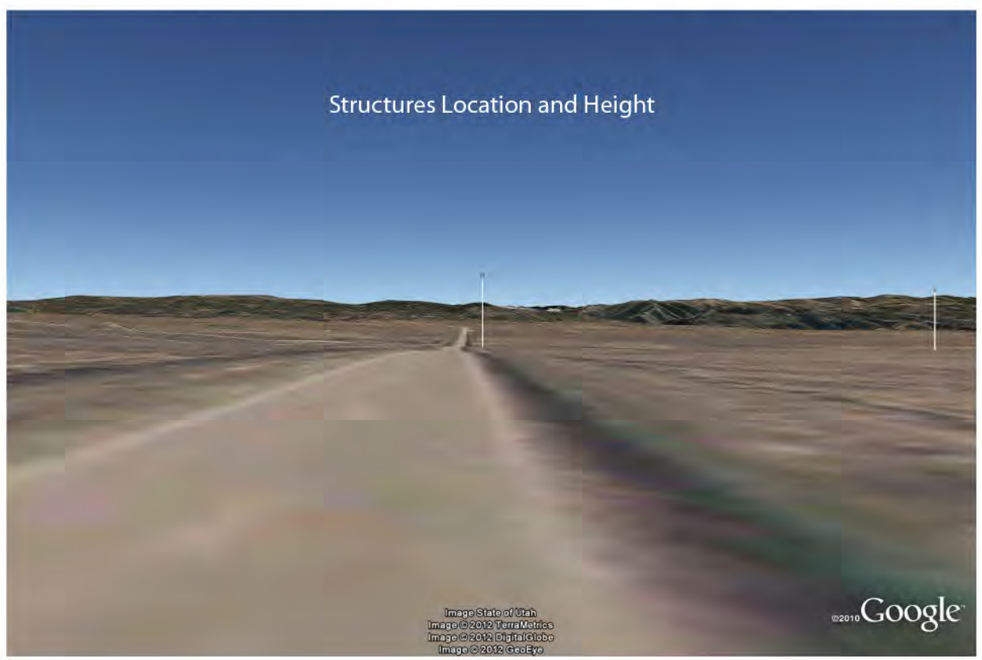
KOP Location

0 2,100 4,200 8,400 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-34
Boat Launch - Campground
(Segments 320.1 / 320.101 / 320.102 / 320.103)



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DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-35
3. VRM Class: Private
4. Location: Utah SH 208; Township 3S; Range 7W; Section 7
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Inclined rounded mountain ridges. Planar valley floor.	Organic clumps of shrubs and grasses. Continuous surface of pinon-juniper in the background.	Strongly planar steel lattice tower, conductors, and foreground roadway. Cylindrical wooden poles.
LINE	Angular mountain skyline and horizontal valley floor.	Curvilinear shrub edges and edges of grass patterns.	Strongly horizontal foreground roadway. Vertical lattice towers and 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.	Dark grey tower. Light to medium paved foreground roadway. Brown wooden poles.
TEX-TURE	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			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:

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

Project Location

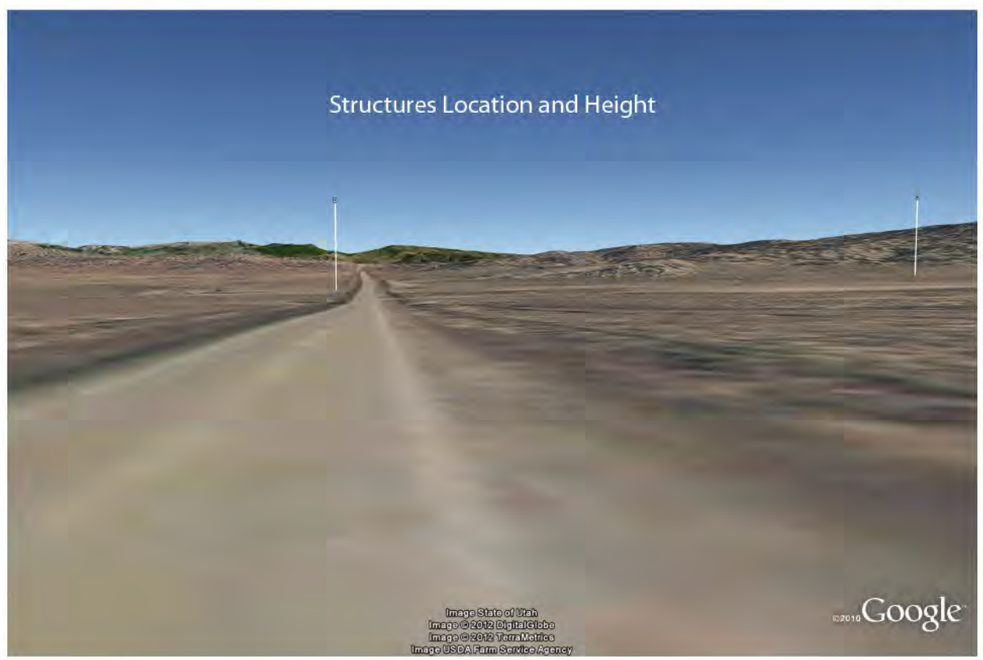
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-35
Utah State Hwy 208
(Segments 320.1 / 320.101 / 320.102 / 320.103)



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BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-36
3. VRM Class: Private
4. Location: Utah SH 208; Township 3S; Range 7W; Section 18
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Inclined rounded mountain ridges. Planar valley floor.	Organic clumps of trees, shrubs and grasses. Continuous surface of pinon-juniper in the background.	Strongly planar steel lattice tower, conductors, and foreground roadway. Cylindrical wooden poles.
LINE	Angular mountain skyline, foreground ridgeline and horizontal valley floor.	Curvilinear tree and shrub edges and edges of grass patterns.	Strongly horizontal foreground roadway. Vertical lattice towers and 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.	Dark grey tower. Light to medium paved foreground roadway. Brown wooden poles.
TEX-TURE	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			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:

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

Project Location

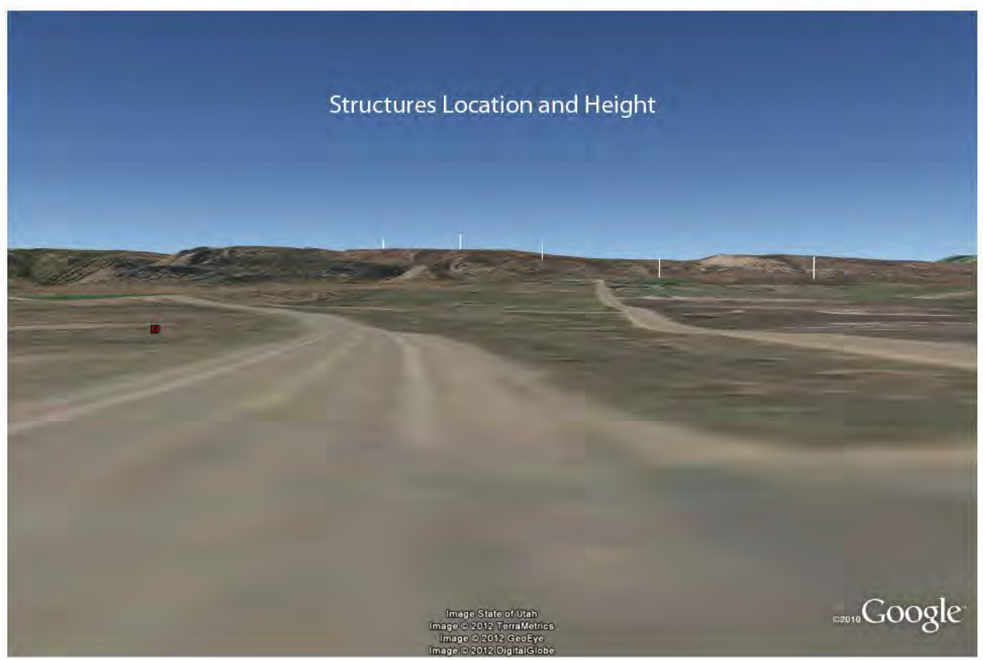
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-36
Utah State Hwy 208
(Segments 320.1 / 320.101 / 320.102 / 320.103)



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(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
V-37

3. VRM Class
Private

4. Location US 40
Township 3S
Range 9W
Section 23

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 pinon-juniper in the background.	Planar steel lattice towers and strong foreground roadway. Cylindrical wood poles.
LINE	Horizontal mountain skyline, foreground ridgeline and horizontal valley floor.	Curvilinear tree and shrub edges and edges of grass patterns.	Strongly horizontal foreground roadway. Vertical and horizontal lattice towers.
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.	Dark grey tower. Light to medium paved foreground roadway. Brown wooden poles. Multiple colored structures.
TEX-TURE	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			Pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
TEX-TURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names M. Paulson
Date 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 2,150 4,300 8,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-37
U.S. 40
(Segments 320.1 / 320.101 / 320.102 / 320.103)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
V-38

3. VRM Class
Private

4. Location US 40
Township 3S
Range 9W
Section 22

5. Location Sketch
Please see Figure 3.12-2

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 riparian and alpine trees, shrubs and grasses. Clumps of pinon-juniper and shrubs.	Strongly planar steel lattice towers and weak conductors.
LINE	Curvilinear mountain skyline, angular side slopes and horizontal valley floor.	Curvilinear tree and shrub edges and edges of grass patterns. Linear sage brush pattern.	Vertical and horizontal lattice towers. Angular access roads.
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.	Dark grey tower and light brown access roads.
TEX-TURE	Smooth landforms, coarse geology.	Coarse trees and 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.
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) 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)**

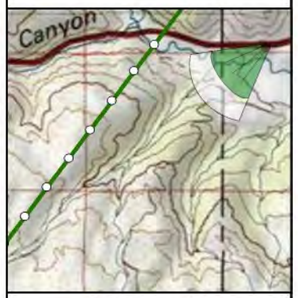
3. Additional mitigating measures recommended ☐ Yes ☐ No **(Explain on reverse side)**

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



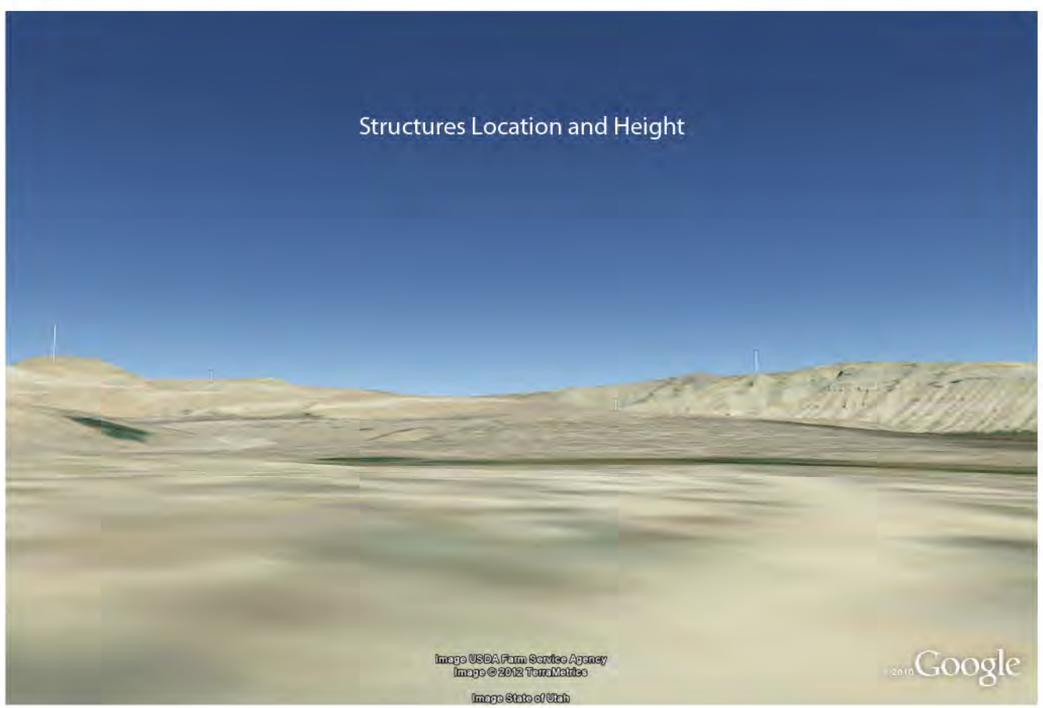
KOP Location

0 2,100 4,200 8,400 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-38
U.S. 40
(Segments 320.1 / 320.101 / 320.102 / 320.103)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/28/11
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-43
3. VRM Class: II
4. Location: Fourmile Bottom; Township 10S; Range 19E; Section 19
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Bold, domed, rolling to rugged	Typically low except for scattered trees in riparian corridor	NA
LINE	Undulating, angular, diagonal, horizontal	Undulating and continuous in riparian corridor; weak and indistinct on hills	NA
COLOR	Tans, browns	Variety of greens, subtle tans	NA
TEX-TURE	Medium to coarse grain	Fine to medium grain, dense in riparian corridor, sparse and random on hills	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Low, rectangular clearings (tower pads)	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		indistinct, broken, regular	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Sage greens, tans	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine grain	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	9/28/11
(Review and update as needed by M. Paulson)	7/24/12

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 and VR-7) 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

Feet
0 1,400 2,800 5,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-43
Fourmile Bottom
(Segment 217)

Project Location

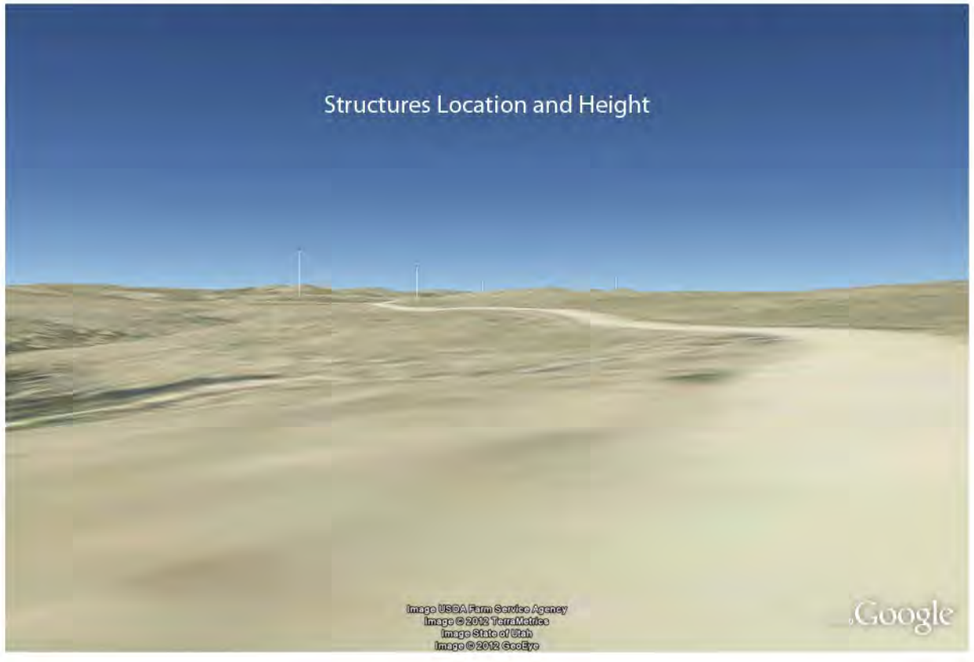
KOP Location

Feet
0 1,400 2,800 5,600

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-43
Simulated Condition
(Segment 217)



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(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date V-44
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-44
3. VRM Class: IV
4. Location: Sand Wash North Destination Route; Township 10S; Range 17E; Section 29
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Flat/rolling, simple	Low, amorphous patches and stippled areaas	NA
LINE	Horizontal, undulating	Diffuse and butt edges between shrubland and grasslands	NA
COLOR	Monotone, beige, tans	Subtle, greens/yellows	NA
TEX-TURE	Fine to medium grain	Fine grain	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Low, rectangular clearings (tower pads)	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Indistinct, broken, regular	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Sage greens, tans	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine grain	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	9/28/11
(Review and update as needed by M. Paulson)	7/24/12

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

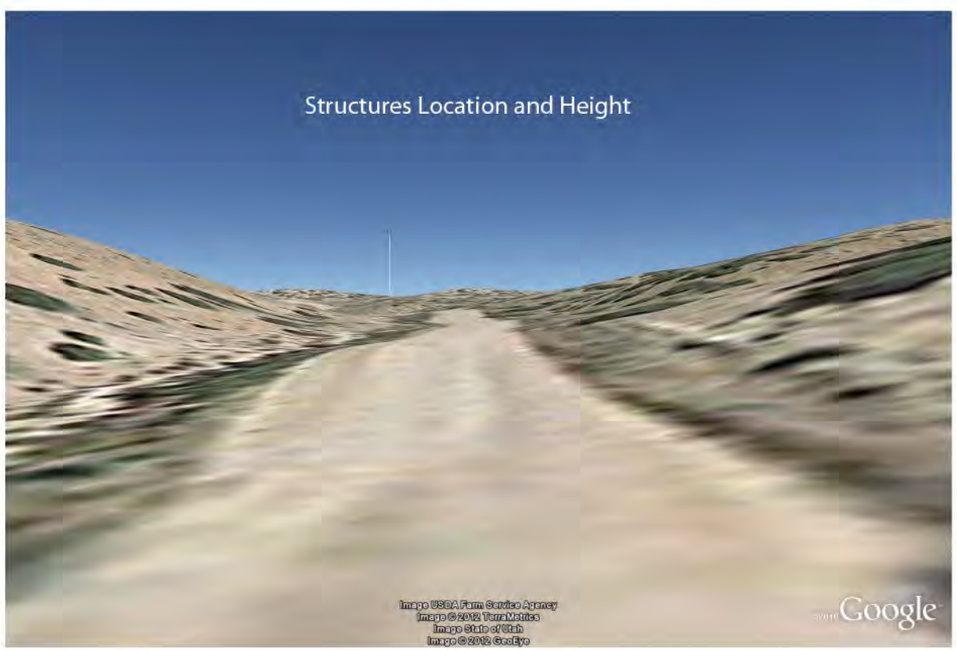
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-44
Sand Wash
North Destination Route
(Segment 217)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/28/11
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
V-45

3. VRM Class
III

4. Location Nine Mile Canyon Scenic Backway
Township 11S
Range 15E
Section 9

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Horizontal, rounded	Stippled, regular	NA
LINE	Continuous, horizontal, angular	Diffuse edges, continuous	NA
COLOR	Tans	Light tan (grasses), dark green (juniper)	NA
TEX-TURE	Fine to medium grain	Medium grain, dense	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Geometric, rectangular	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Angular, butt edge	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine to medium grain	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)

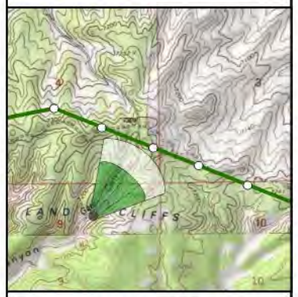
3. Additional mitigating measures recommended ☑ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/28/11
(Review and update as needed by M. Paulson)	7/24/12

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

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

Project Location



KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-45
Nine Mine Canyon
Scenic Backway
(Segment 217)

Project Location

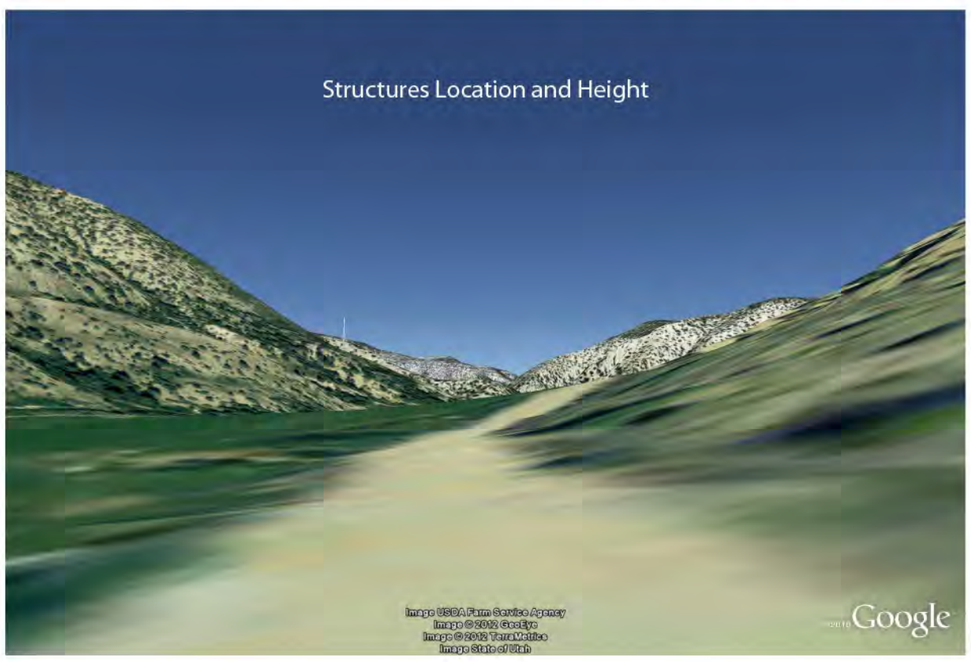
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-45
Simulated Condition
(Segment 217)



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/28/11
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-46
3. VRM Class: III
4. Location: Argyle Canyon residences; Township 11S; Range 13E; Section 27
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, steep, level valley	Numerous, irregular	NA
LINE	Diagonal, angular, jagged, horizontal	Broken, flowing, angular	NA
COLOR	Tans and grays	Variety of greens, tans, little seasonal variation	NA
TEXTURE	Medium, granular, fine grain in valley	Random, scattered, fine to medium grain	NA

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Low, rectangular clearings (tower pads)	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Indistinct, broken, regular	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Tans, gray-greens	Light silver to dark gray steel lattice structures, guys, and conductors.
TEXTURE		Fine to medium grain	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)

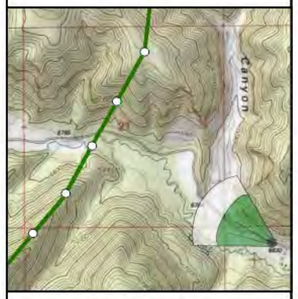
3. Additional mitigating measures recommended ☑ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/28/11
(Review and update as needed by M. Paulson)	7/24/12

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

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

Project Location



KOP Location

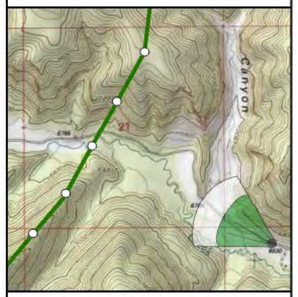
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-46
Argyle Canyon
Residences
(Segment 217)

Project Location



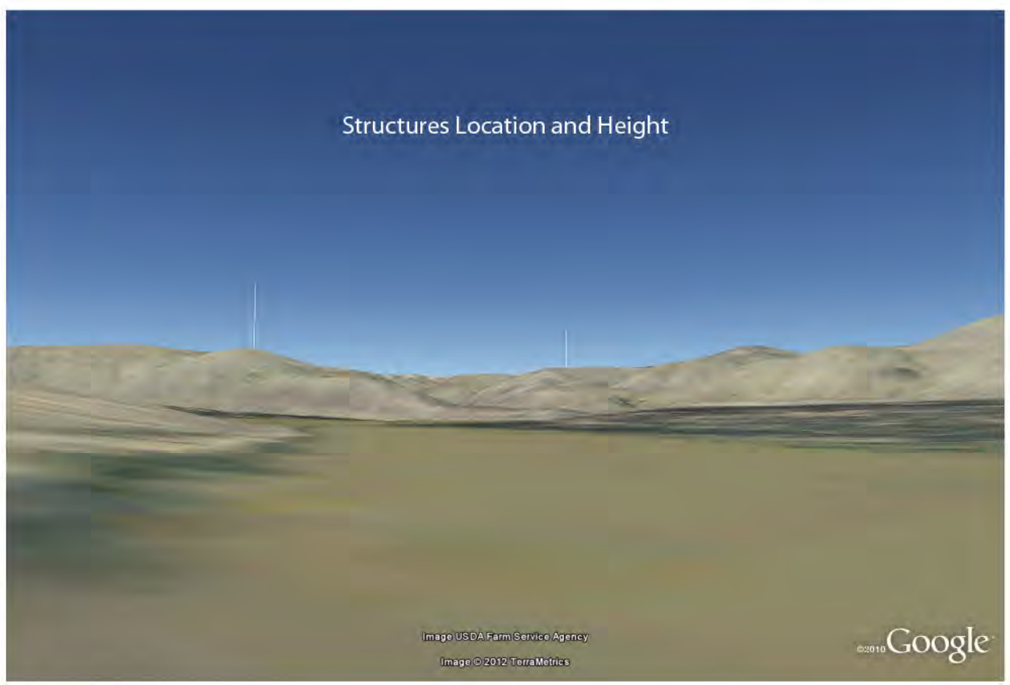
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-46
Simulated Condition
(Segment 217)



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/10/11
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-47
3. VRM Class: III
4. Location: Enron Rec. Area (on White River); Township 9S; Range 22E; Section 28
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Horizontal, rolling to steep	Band along riparian corridor, stippled canyon walls	Moderately tall, vertical, geometric, transparent (temporary)
LINE	Continuous, curving, flowing, horizontal, parallel	Butt edge between riparian vegetation and canyon wall	Vertical, complex (temporary)
COLOR	Reflective, gray-green, browns, reds	Variety of greens, tans	Gray (temporary)
TEX-TURE	Fine, glossy, rippled, medium to coarse grain canyon walls	Medium to coarse grain	Coarse grain (temporary)

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM		Low, rectangular clearings (tower pads)	Pyramidal steel lattice structures and guys, and tubular conductors.
LINE		Indistinct, broken, regular	Vertical steel lattice structures, angular guys, and curvilinear conductions.
COLOR		Sage greens, tans	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine grain	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	10/10/11
(Review and update as needed by M. Paulson)	7/24/12

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

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

Project Location

KOP Location

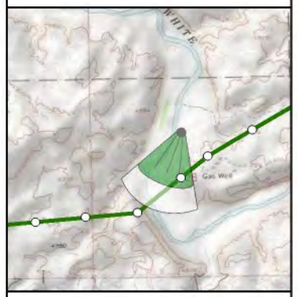
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-47
Enron Recreation Area
(on White River)
(Segment 217)

Project Location



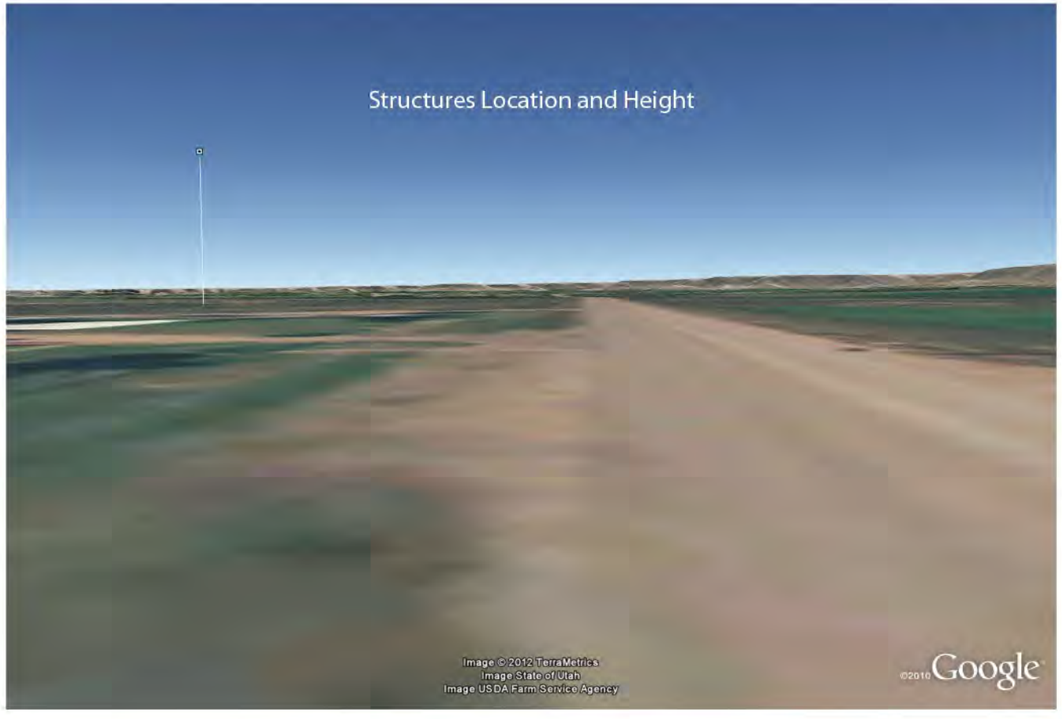
KOP Location

Feet
0 1,400 2,800 5,600

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-47
Simulated Condition
(Segment 217)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/28/11
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-48
3. VRM Class: NA
4. Location: Bridgeland Residential; Township 4S; Range 3W; Section 4
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Flat, indistinct	Amorphous, irregular	Moderately tall, vertical, geometric
LINE	Horizontal, curving	Butt edge between riparian vegetation and agricultural fields	Angular, concave, horizontal
COLOR	Tans, grays	Variety of greens (deep greens, sage greens, medium greens) and tans	Gray, brown
TEX-TURE	Fine grain	Fine to medium grain	Coarse grain, sparse density, matted, uniform, ordered

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 conductions.
COLOR			Light silver to dark gray 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			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	9/28/11
(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

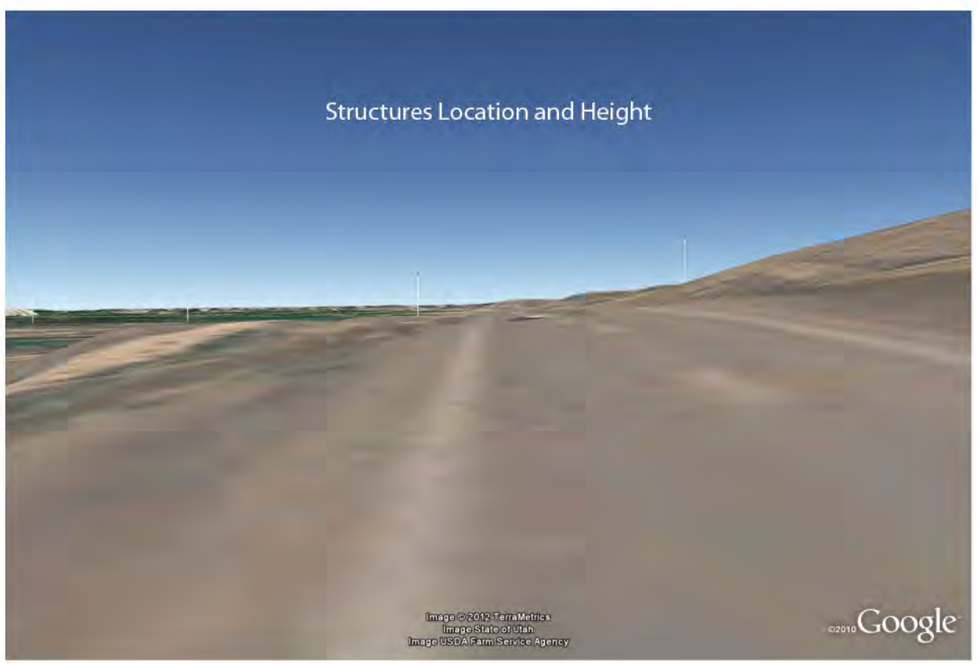
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-48
Bridgeland
Residential
(Segment 325)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/28/11
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-49
3. VRM Class: NA
4. Location: U.S. Hwy 40 South of Bridgeland)
   Township 4S
   Range 3W
   Section 8
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Flat/rolling, rounded	Los, amorphous patches and stippled areas	Moderately tall, vertical, geometric
LINE	Horizontal, undulating, continuous	Weak indistinct and diffuse edges	Angular, concave, horizontal
COLOR	Beige, tans	Subtle, greens, tans, bright greens along riparian corridor	Brown
TEX-TURE		Fine to medium grain	Medium grain, medium density, matted, uniform, ordered

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 conductions.
COLOR			Light silver to dark gray 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					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	9/28/11
(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 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-49
U.S. Hwy 40
(South of Bridgeland)
(Segment 325)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 5/21/09
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
V-50

3. VRM Class
NA

4. Location Dispersed residencs S of Duchesne
Township 4S
Range 4W
Section 20

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Horizontal, rounded	Amorphous patches	Moderately tall, vertical, geometric
LINE	Continuous, horizontal	Diffuse to butt edges from juniper stands	Complex, angular, concave, horizontal
COLOR	Tans	Light tan (grasses), dark green (juniper)	Brown
TEX-TURE	Fine to medium	Fine to patchy, coarse	Fine grain, sparse density, matted, uniform, ordered

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 conductions.
COLOR			Light silver to dark gray 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			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)**

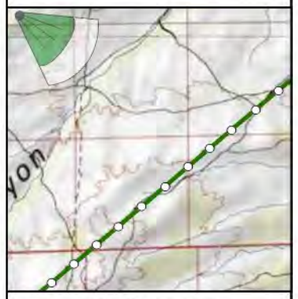
3. Additional mitigating measures recommended ☐ Yes ☐ No **(Explain on reverse side)**

Evaluator's Names	Date
EPG	5/21/09
(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 2,500 5,000 10,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-50
Dispersed Residences
South of Duchesne
(Segment 325)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/29/11
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**4. Location** Ioka Residential	**5. Location Sketch**
2. Key Observation Point V-51	**Township** 3S	Please see Figure 3.12-2
3. VRM Class NA	**Range** 2W	
	Section 5	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Flat, horizontal, slightly rolling, plateaus	Low and flat to tall, vertical	Tall, vertical, geometric, transparent
LINE	Weak, horizontal	Regular, vertical, horizontal, butt edges	Complex, angular, concave, horizontal
COLOR	Browns, reds	Vivid greens, tans	Reflective, gray
TEX-TURE	Fine grain, smooth	Fine grained grasslands; dense, medium grained trees	Medium grain, sparse density, matted, uniform, ordered

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 conductions.
COLOR			Light silver to dark gray 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			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	9/29/11
(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

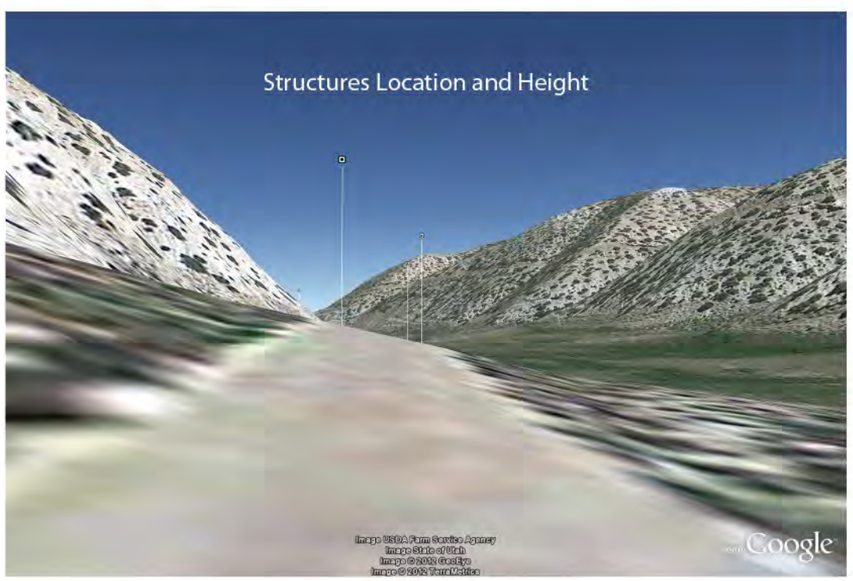
KOP Location

0 700 1,400 2,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-51
Ioka Residential
(Segment 320.05)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 9/27/11
District Vernal FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: V-52
3. VRM Class: USFS VQO Modification
4. Location: Sowers Canyon Road; Township 6S; Range 5W; Section 8
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, steep, level valley.	Numerous, irregular.	Moderately tall, vertical, geometric H-frame..
LINE	Diagonal, angular, jagged, horizontal.	Butt and diffuse edges.	Vertical, horizontal H-frame.
COLOR	Tans, beiges.	Variety of greens, tans, little seasonal variation.	Brown H-frame.
TEX-TURE	Medium, granular, fine grain in valley.	Random, scattered, fine to medium grain.	Coarse grain, sparse density, ordered.

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 conductions.
COLOR			Light silver to dark gray 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				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)

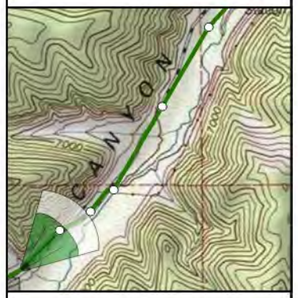
3. Additional mitigating measures recommended ☐ Yes ☑ No (Explain on reverse side)

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

Rationale:
The Project would be consistent with VQO Modification management objectives. This management objective allows for moderate alternations to the landscape. 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



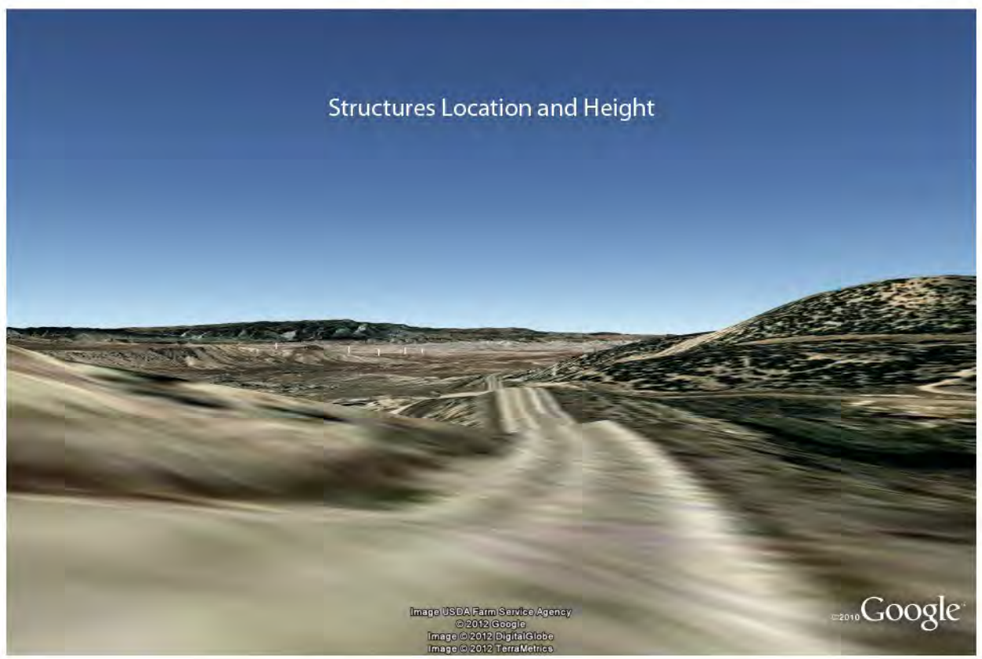
KOP Location

0 750 1,500 3,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP V-52
Sowers Canyon Road
(Segment 325)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/24/2011
District White River FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: WR-9
3. VRM Class: III (VRI-III)
4. Location: U.S. 40 (westbound); Township 005N; Range 098W; Section 030
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 pinon-juniper, rabbit brush, sagebrush and grasses.	Planar roadway, pyramidal 345-kV transmission line structure and columnar H-frame poles.
LINE	Strong angular lines of ridges and skyline. Angular side slopes.	Indistinct pinon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical transmission line, H-frame and markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Dark olive green pinon-juniper and medium olive green sagebrush. Golden tan to brown rabbit brush and grasses.	Light to medium grey roadway and transmission line. Light tan to brown H-frame and dark green markers.
TEXTURE	Smooth to moderate landforms.	Coarse pinon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, transmission line, H-frame and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Strongly pyramidal steel lattice structures and guys, and tubular conductors.
LINE			Vertical steel lattice structures, angular guys, and curvilinear conductors.
COLOR			Light silver to dark grey steel lattice structures, guys, and conductors.
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: 10/24/10

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

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

Project Location

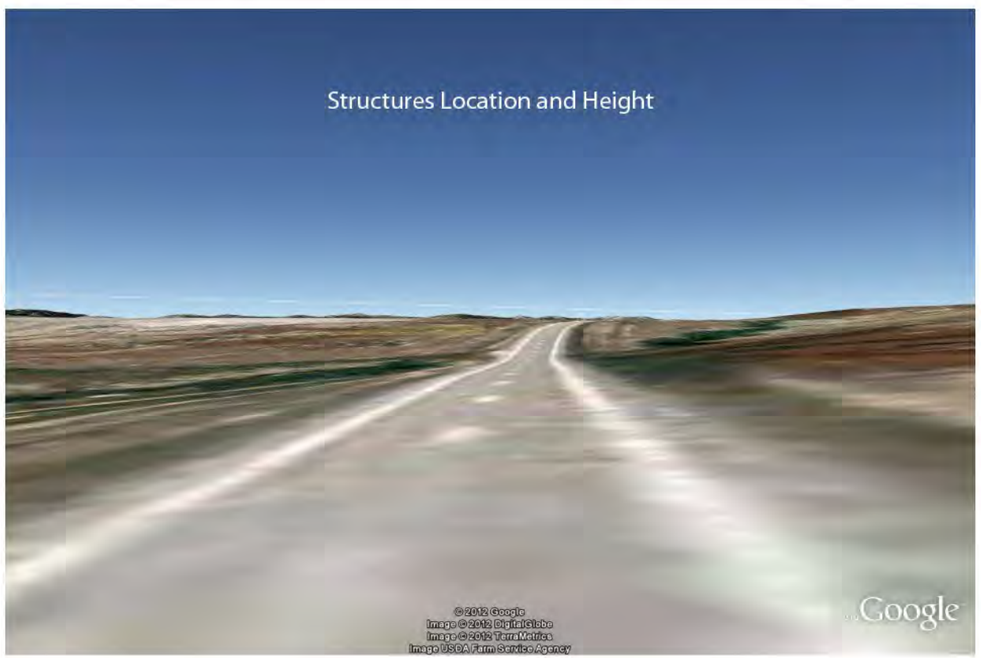
KOP Location

0 4,800 9,600 19,200 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-9
U.S. 40
(westbound)
(Segment 100)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: WR-10
3. VRM Class: IV (VRI Class III)
4. Location: U.S. 40 (westbound); Township 003N; Range 100W; Section 002
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 pinon-juniper, rabbit brush, sagebrush and grasses.	Planar roadway, pyramidal 345-kV transmission line structure and columnar H-frame poles.
LINE	Strong angular lines of ridges and skyline. Angular side slopes.	Indistinct pinon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical transmission line, H-frame and markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Dark olive green pinon-juniper and medium olive green sagebrush. Golden tan to brown rabbit brush and grasses.	Light to medium grey roadway and transmission line. Light tan to brown H-frame and dark green markers.
TEX-TURE	Smooth to moderate landforms.	Coarse pinon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, transmission line, H-frame and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

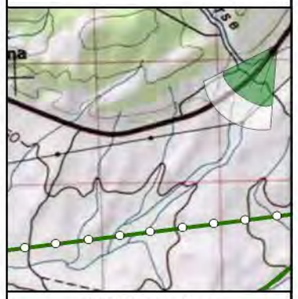
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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



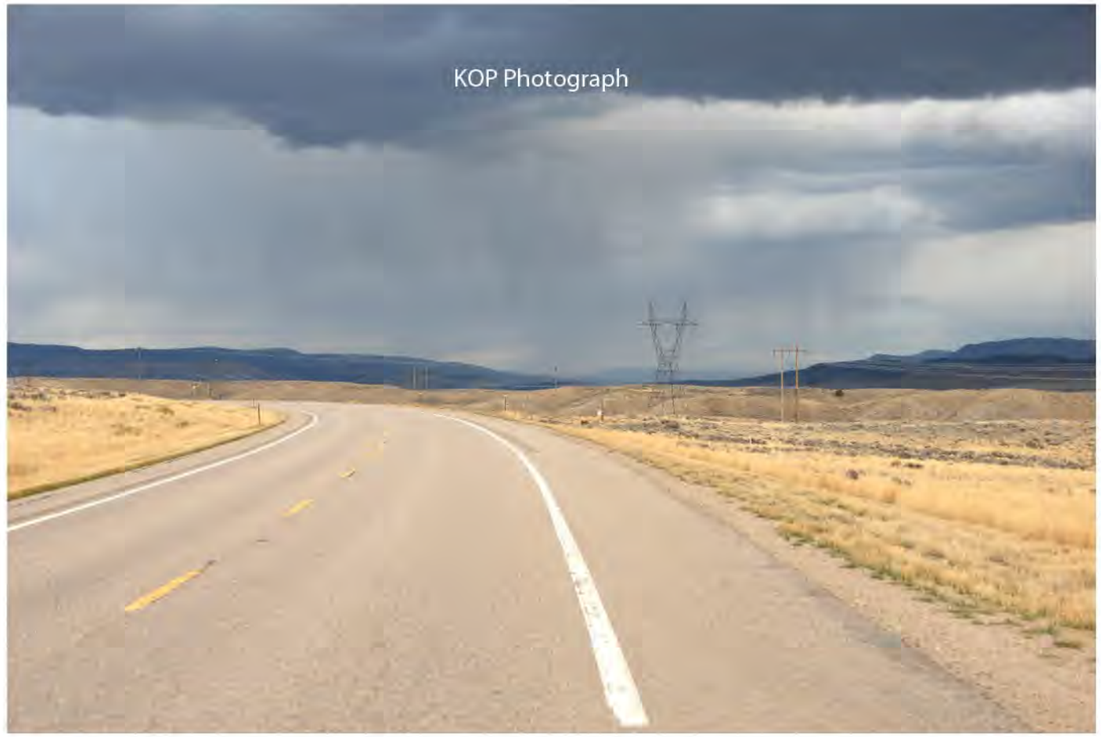
KOP Location

0 2,400 4,800 9,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-10
U.S. 40 (westbound)
(Segment 100)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2011
District	White River FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location U.S. 40 (eastbound) Township 003N Range 100W Section 009	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point WR-11		
3. VRM Class IV (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

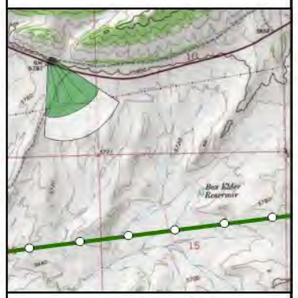
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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 1,550 3,100 6,200 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-11
U.S. 40 (eastbound)
(Segment 210)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	06/02/2012
District	White River FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Moffat Co. Rd. 134 (Southbound) Township 3N Range 102W Section 17	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point WR-12		
3. VRM Class III (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

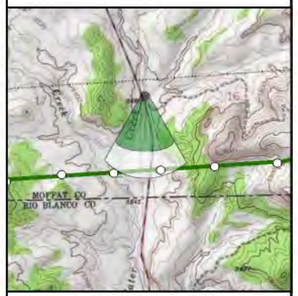
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
M. Paulson	6/2/12

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

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

Project Location



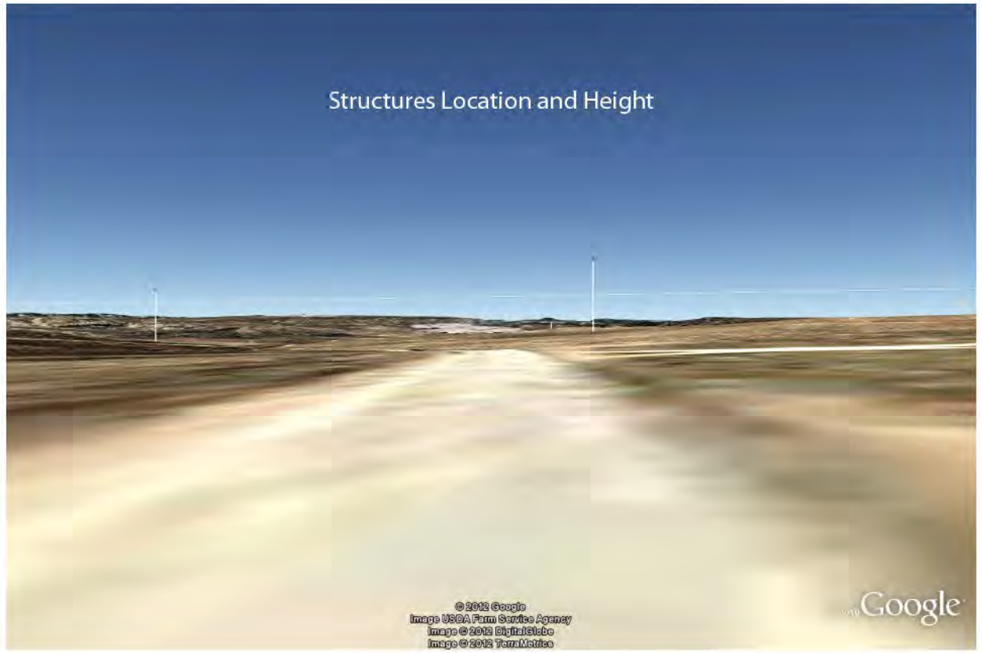
KOP Location

Feet
0 1,400 2,800 5,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-12
Moffat Co. Rd. 134
(southbound)
(Segment 210)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/24/2011
District White River FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: WR-13
3. VRM Class: III (VRI Class III)
4. Location: Colo. SH64 (northbound)
Township 003N
Range 100W
Section 009
5. Location Sketch: Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 10/24/11

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

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

Project Location

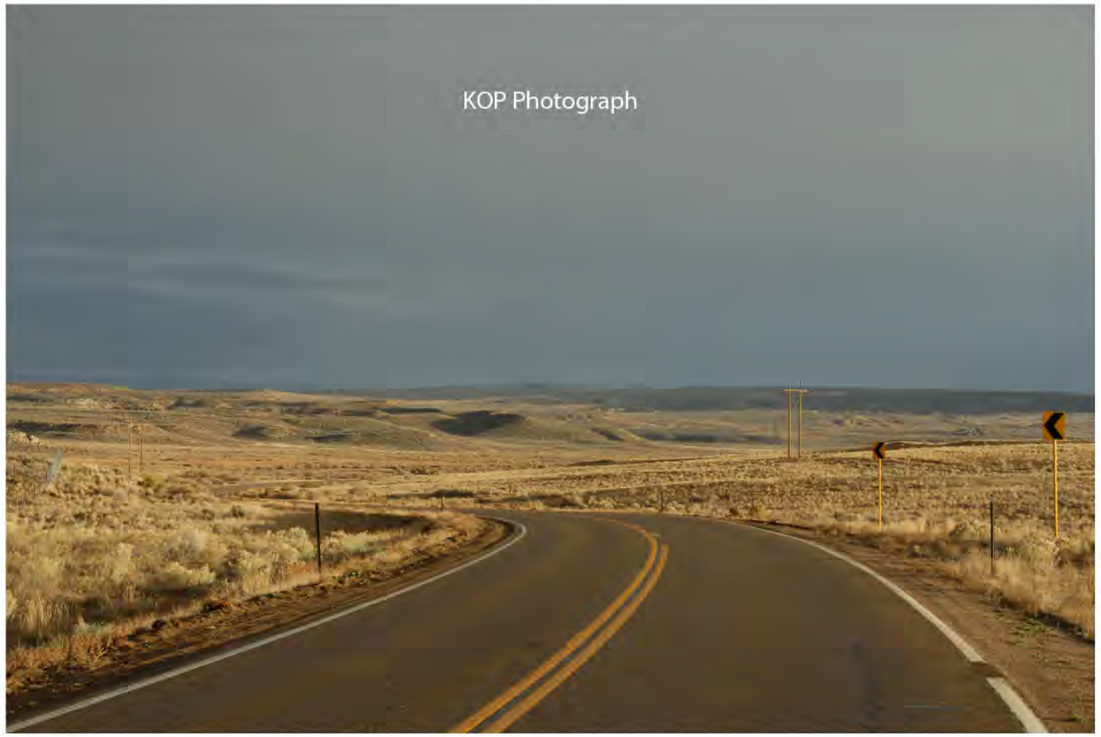
KOP Location

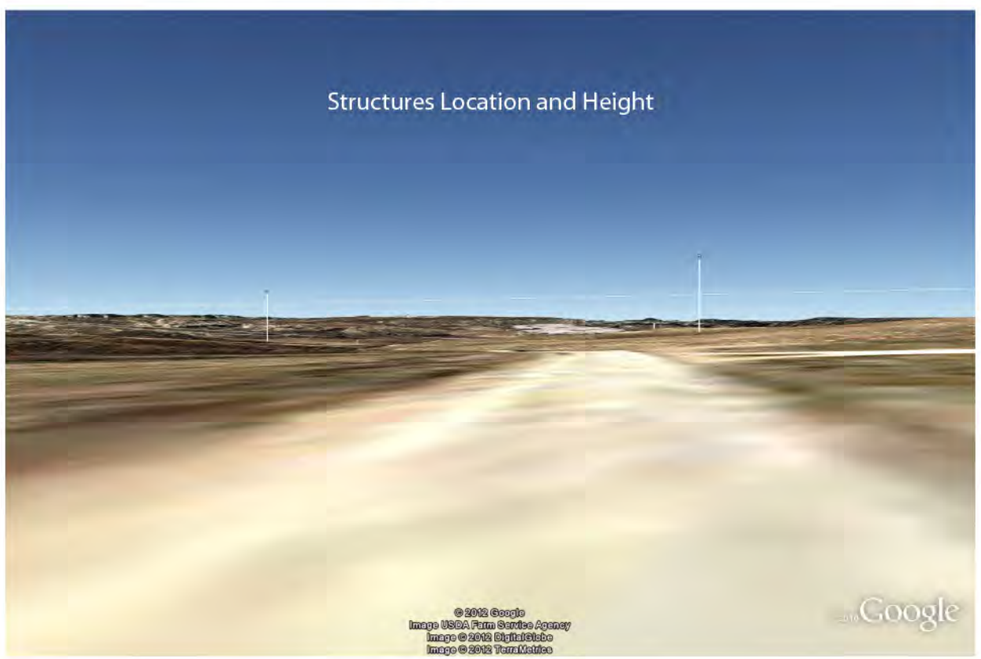
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-13
Colo State Highway 64
(northbound)
(Segment 210)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/24/2011
District White River FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
WR-14

3. VRM Class
III (VRI Class III)

4. Location Colo.SH64 (southbound)
Township 003N
Range 100W
Section 009

5. Location Sketch
Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

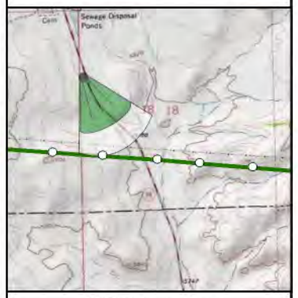
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



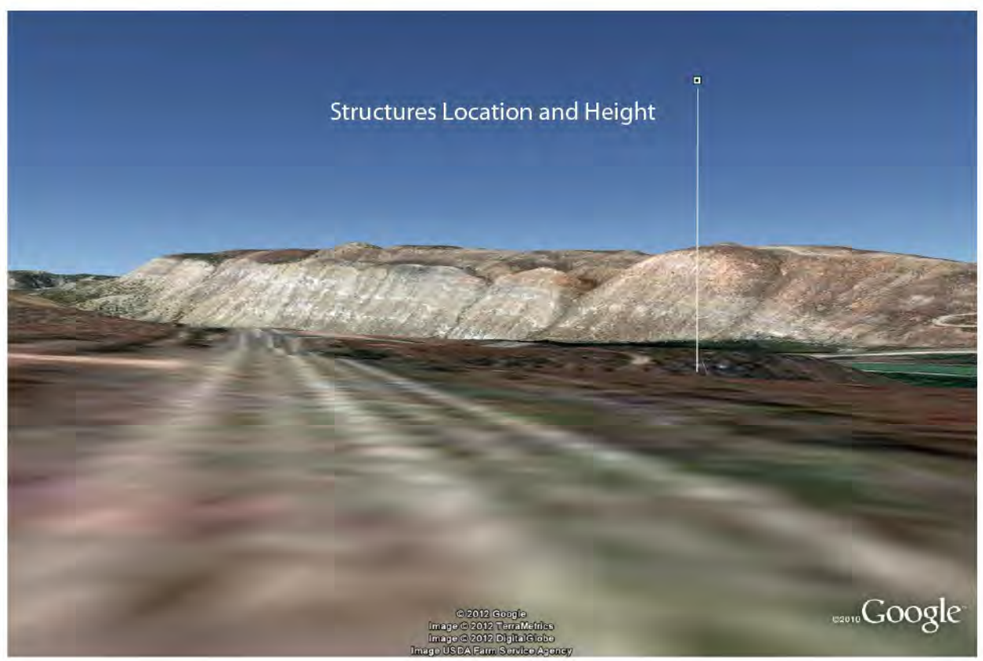
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-14
Colo State Highway 64
(southbound)
(Segment 210)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2011
District	White River FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Colo.SH64 (westbound) Township 003N Range 100W Section 009	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point WR-15		
3. VRM Class III (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling and angular ridges. Angular side slopes.	Organic clumps of pinon-juniper, rabbit brush, sagebrush and grasses.	Planar roadway and pyramidal 230-kV transmission line structures.
LINE	Strong angular lines of ridges and skyline. Angular side slopes.	Indistinct pinon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical transmission line and markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Dark olive green pinon-juniper and medium olive green sagebrush. Golden tan to brown rabbit brush and grasses.	Light to medium grey roadway and transmission line.
TEX-TURE	Smooth to moderate landforms.	Coarse pinon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, transmission line.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form										X		
	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	10/24/10

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

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

Project Location

KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-15
Colo State Highway 64
(westbound)
(Segment 220.1)

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 10/24/2010
District White River FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: WR-16
3. VRM Class: IV (VRI Class III)
4. Location: Colorado SH 64 (eastbound); Township 002N; Range 101W; Section 033
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar cliffs, and rolling and angular ridges. Angular side slopes.	Organic clumps of pinon-juniper, rabbit brush, sagebrush and grasses.	Planar roadway, columnar utility poles and fence posts.
LINE	Strong vertical and angular lines of cliffs, ridges and skyline. Angular side slopes.	Indistinct pinon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical utility poles, fence posts and markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Dark olive green pinon-juniper and medium olive green sagebrush. Golden tan to brown rabbit brush and grasses.	Light to medium grey roadway and light tan to brown utility poles and fence posts.
TEX-TURE	Smooth to moderate landforms.	Coarse pinon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, utility poles, fence posts and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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: 10/24/10

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

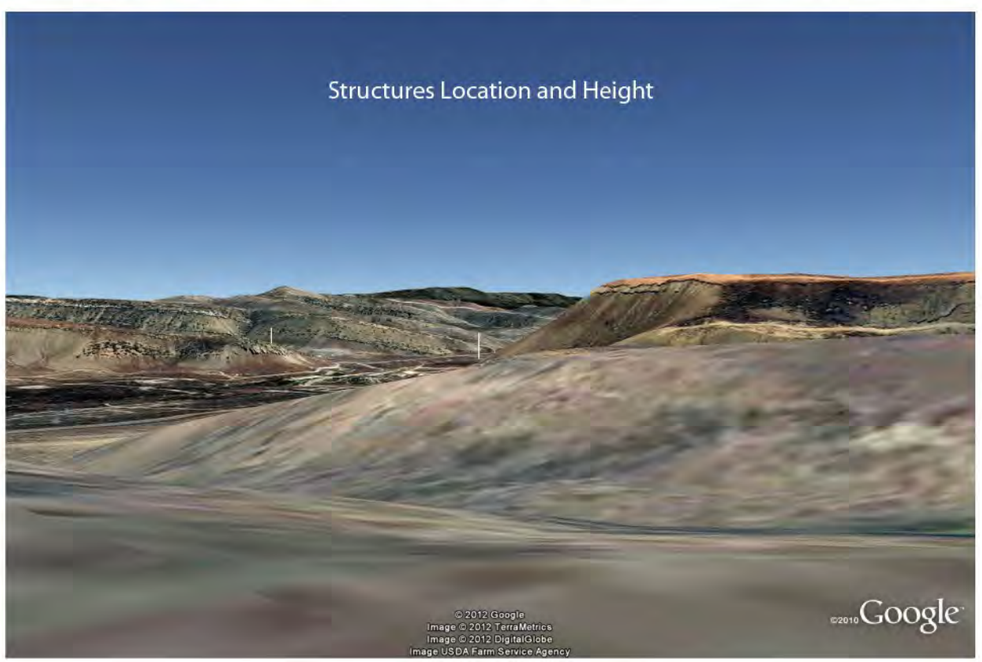
KOP Location

0 1,950 3,900 7,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-16
Colo State Highway 64
(eastbound)
(Segment 220.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2010
District	White River FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**4. Location** Rangely Residential Road	**5. Location Sketch**
2. Key Observation Point WR-17	**Township** 001N	Please see Figure 3.12-2
3. VRM Class III	**Range** 102W	
	Section 001	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar cliffs and rolling and angular ridges. Angular side slopes.	Organic clumps of pinon-juniper, rabbit brush, sagebrush and grasses.	Ribbon roadway, columnar utility poles and fence posts. Amorphous oil pad and pyramidal pump jack.
LINE	Strong angular lines of vertical cliffs, ridges and skyline. Angular side slopes.	Indistinct pinon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway, and vertical pump jack and utility poles.
COLOR	Very light, medium, and dark tan to brown landforms.	Olive green pinon-juniper and medium olive green sagebrush. Orange riparian shrubs. Golden tan to brown rabbit brush and grasses..	Light to medium grey roadway. Light tan to brown utility poles and fence posts. Dark brown pump jack.
TEX-TURE	Smooth to moderate landforms.	Coarse pinon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, pump jack and utility poles.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

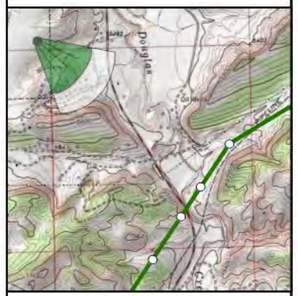
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

Rationale:
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



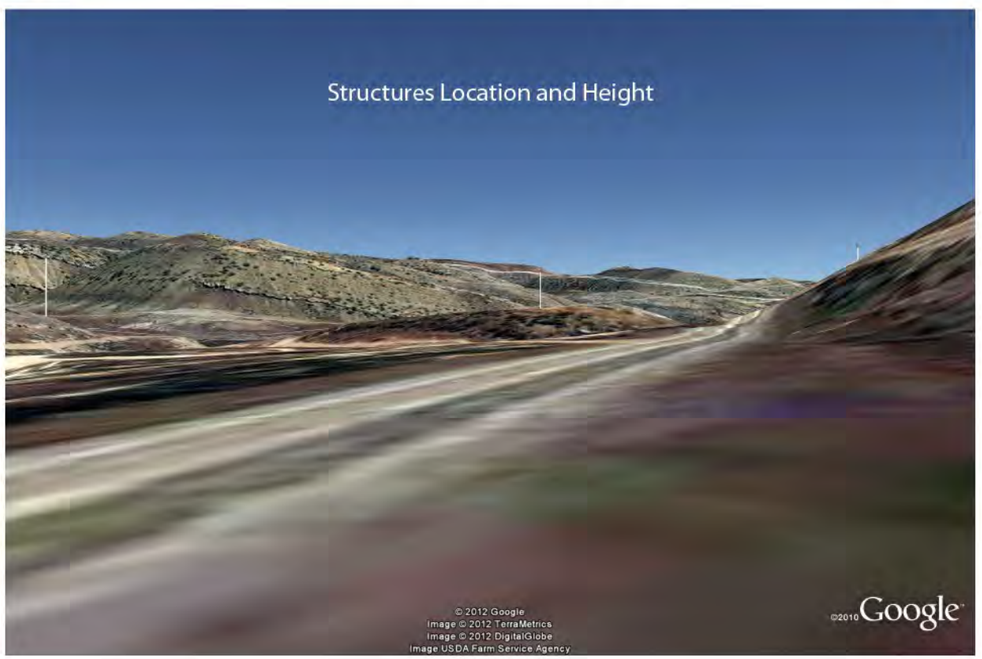
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-17
Rangely Residential Road
(Segment 220.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2010
District	White River FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Colorado SH 139 (southbound) Township 001N Range 101W Section 007	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point WR-18		
3. VRM Class III (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar cliffs and rolling and angular ridges. Angular side slopes.	Organic clumps of pinon-juniper, rabbit brush, sagebrush and grasses.	Planar roadway, overhead conductors, columnar utility poles and fence posts.
LINE	Strong angular lines of vertical cliffs, ridges and skyline. Angular side slopes.	Indistinct pinon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway, curvilinear conductors, and vertical utility poles, fence posts and markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Dark olive green pinon-juniper and medium olive green sagebrush. Golden tan to brown rabbit brush and grasses.	Light to medium grey roadway and conductors. Light tan to brown utility poles and fence posts.
TEX-TURE	Smooth to moderate landforms.	Coarse pinon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, utility poles, fence posts and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

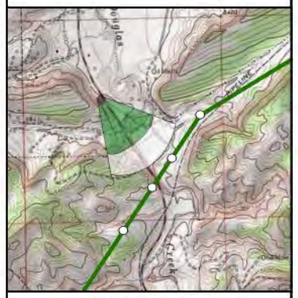
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

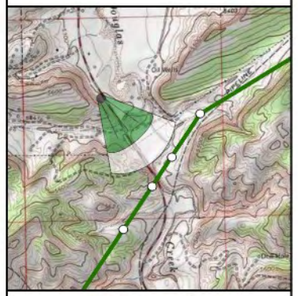
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-18
Colo State Highway 139
(southbound)
(Segment 220.1)

Project Location



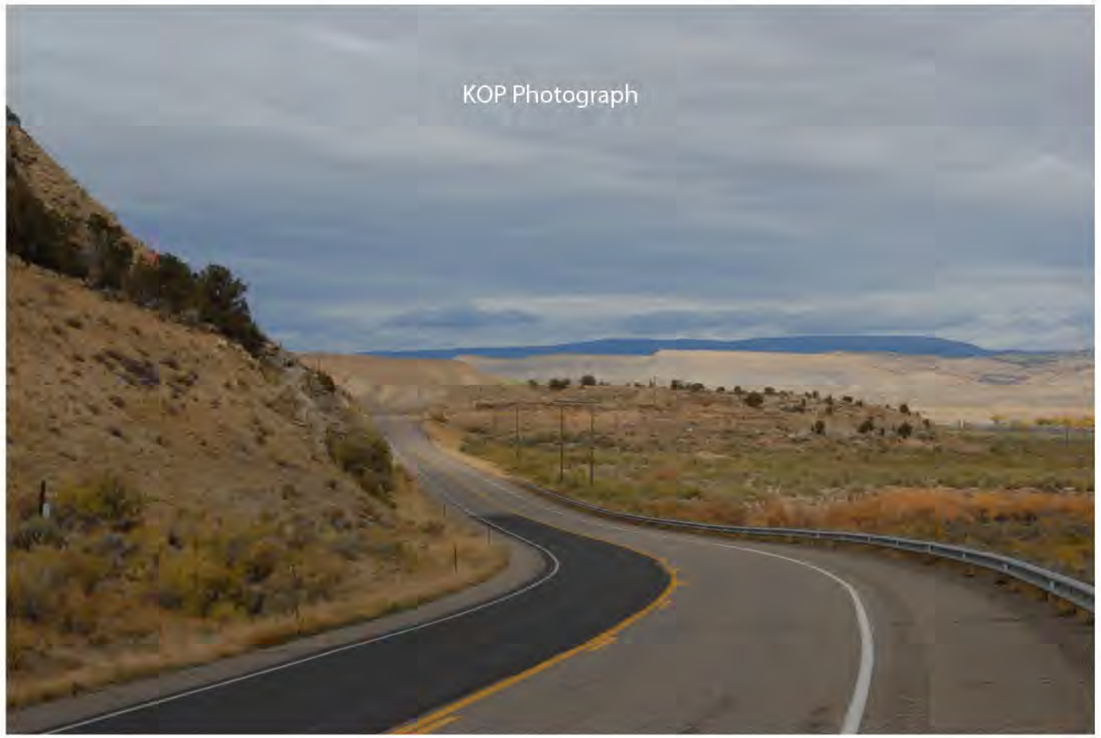
KOP Location

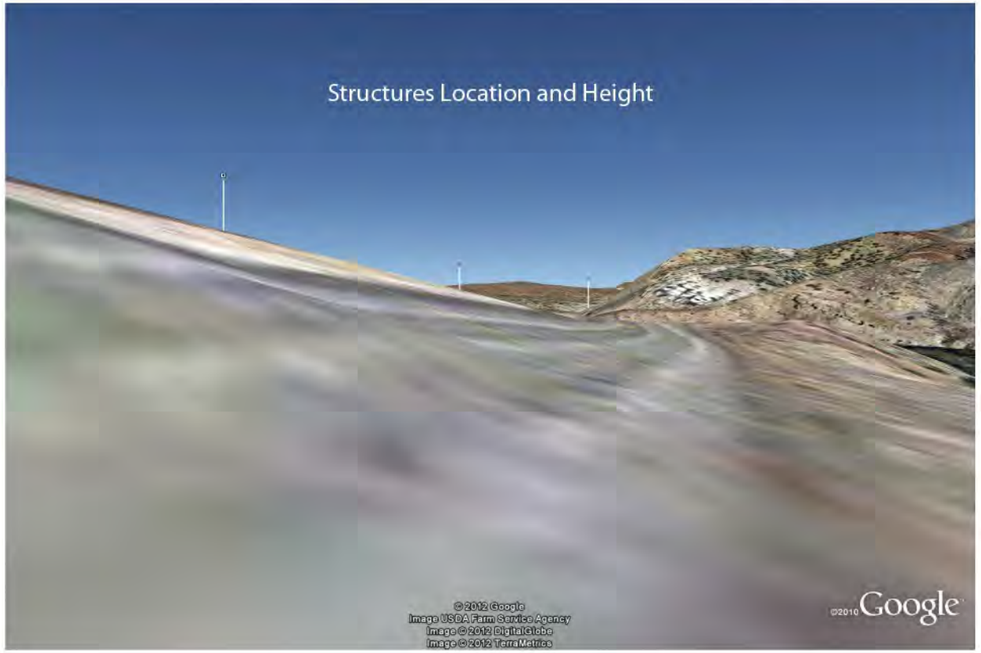
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-18
Simulated Condition
(Segment 220.1)





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 10/24/2010
District White River FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: WR-19
3. VRM Class: III (VRI Class III)
4. Location: Colorado SH 139 (northbound); Township 001N; Range 101W; Section 018
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar cliffs and rolling and angular ridges. Angular side slopes.	Organic clumps of pinon-juniper, rabbit brush, sagebrush and grasses.	Planar roadway, columnar utility poles and fence posts.
LINE	Strong angular lines of vertical cliffs, ridges and skyline. Angular side slopes.	Indistinct pinon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway, and vertical utility poles, fence posts and markers.
COLOR	Very light, medium, and dark tan to brown landforms.	Olive green pinon-juniper and medium olive green sagebrush. Orange riparian shrubs. Golden tan to brown rabbit brush and grasses..	Light to medium grey roadway. Light tan to brown utility poles and fence posts.
TEX-TURE	Smooth to moderate landforms.	Coarse pinon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway, utility poles, fence posts and markers.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

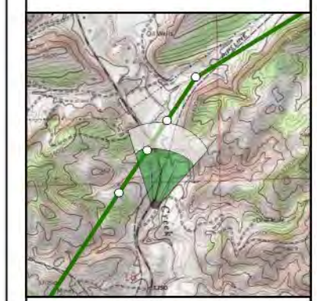
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



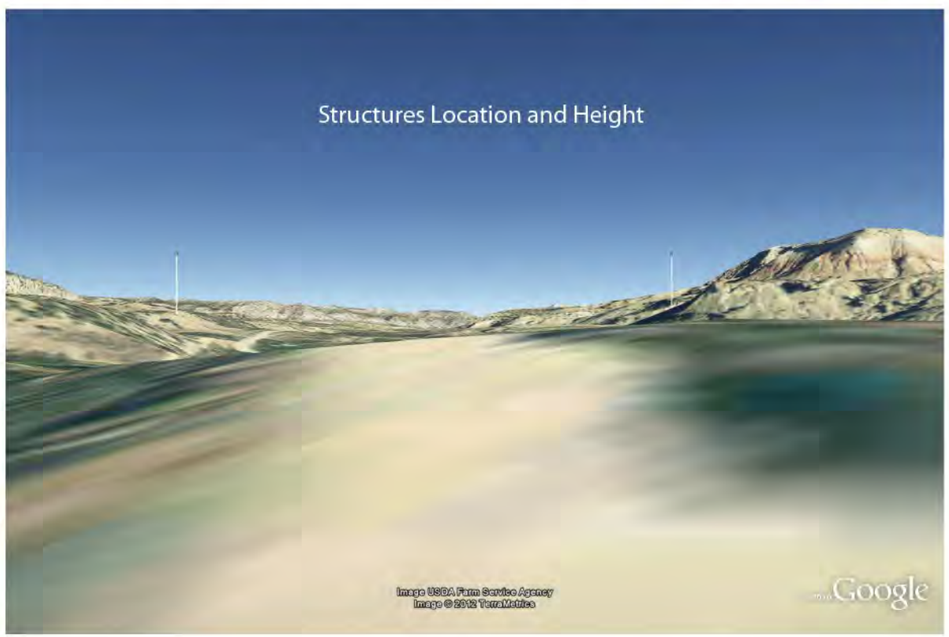
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-19
Colorado State Hwy 139
(northbound)
(Segment 220.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2010
District	White River FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Moffat County Rd. Township S Range E Section 4	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point WR-20		
3. VRM Class III		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar cliffs and rolling and angular ridges. Angular side slopes.	Organic clumps of pinon-juniper, rabbit brush, sagebrush and grasses.	Planar roadway, columnar utility poles.
LINE	Strong angular lines of vertical cliffs, ridges and skyline. Angular side slopes.	Indistinct pinon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Linear horizontal roadway and vertical utility poles.
COLOR	Very light, medium, and dark tan to brown landforms.	Olive green pinon-juniper and tanish olive green sagebrush. Golden tan to brown rabbit brush and grasses..	Light to medium tan roadway and utility poles.
TEX-TURE	Smooth to moderate landforms.	Coarse pinon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium roadway and smooth utility poles..

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

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

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

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

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

Project Location

KOP Location

0 1,350 2,700 5,400 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-20
Moffet County
Baxter Pass Road
(Segment 220.1)

Project Location

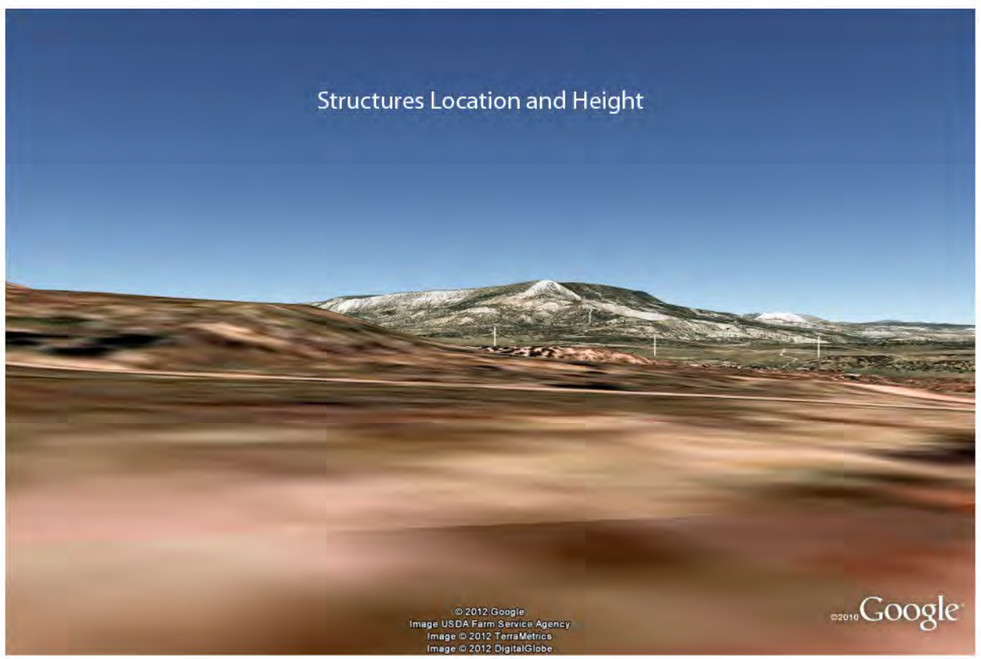
KOP Location

0 1,350 2,700 5,400 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-20
Simulated Condition
(Segment 220.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2010
District	White River FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**4. Location** BLM Recreation Rd. (wb)	**5. Location Sketch**
2. Key Observation Point WR-21	**Township** 002S	Please see Figure 3.12-2
3. VRM Class IV (VRI Class IV)	**Range** 103W	
	Section 023	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes.	Organic planar surface of pinon-juniper and organic clumps of sagebrush and rabbit brush.	Planar roadway, cuboid pump station and utility buildings.
LINE	Strong angular lines of skyline. Angular side slopes and foreground ridgeline.	Indistinct lines in surface of pinon-juniper, sagebrush, rabbit brush and grasses.	Linear horizontal roadway. Horizontal and vertical buildings.
COLOR	Very light, medium, and dark brown slopes.	Dark olive pinon-juniper. Light tan to brown rabbit brush and grasses and light to medium tan sagebrush.	Light to medium tan roadway. White pump station buildings and olive utility buildings.
TEX-TURE	Smooth to moderate landform.	Smooth to coarse pinon-juniper, grasses and sagebrush.	Smooth gravel roadway and buildings.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

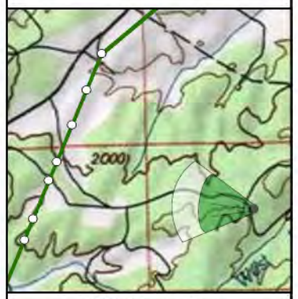
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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



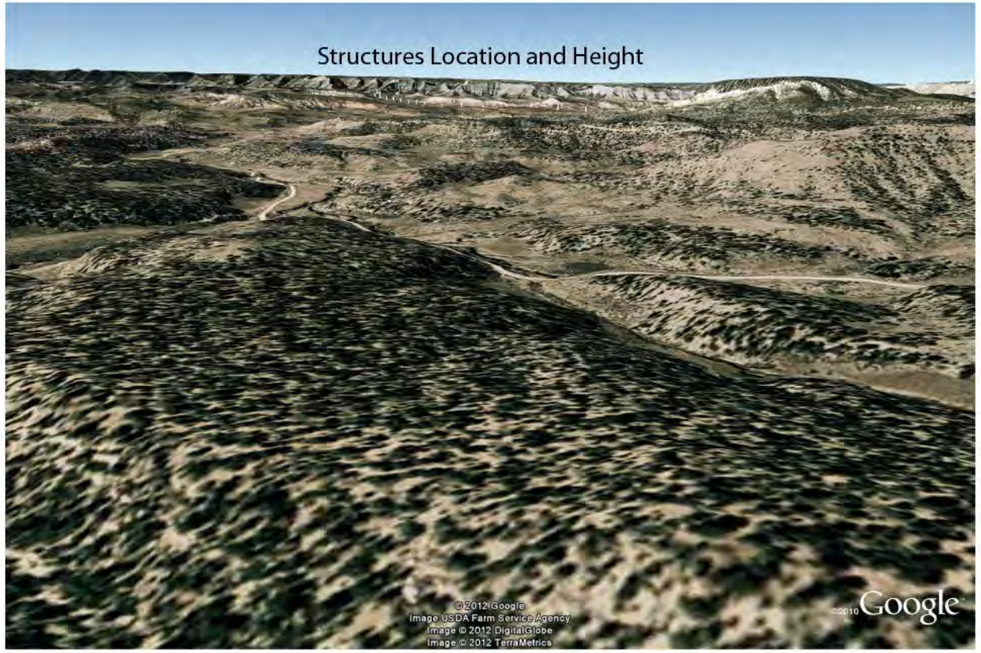
KOP Location

Feet
0 1,950 3,900 7,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-21
BLM Recreation Road
(westbound)
(Segment 220.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2010
District	White River FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location BLM Recreation Rd. (sb) Township 002S Range 103W Section 025	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point WR-22		
3. VRM Class IV (VRI Class IV)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar horizontal and angular ridges. Angular side slopes.	Organic planar surface of pinon-juniper and organic clumps of sagebrush and rabbit brush.	Planar roadway, cuboid pump station and utility buildings.
LINE	Strong angular lines of skyline. Angular side slopes and foreground ridgeline.	Indistinct lines in surface of pinon-juniper, sagebrush, rabbit brush and grasses.	Linear horizontal roadway. Horizontal and vertical buildings.
COLOR	Very light, medium, and dark brown slopes.	Dark olive pinon-juniper. Light tan to brown rabbit brush and grasses and light to medium tan sagebrush.	Light to medium tan roadway. White pump station buildings and olive utility buildings.
TEX-TURE	Smooth to moderate landform.	Smooth to coarse pinon-juniper, grasses and sagebrush.	Smooth gravel roadway and buildings.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

Rationale:
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

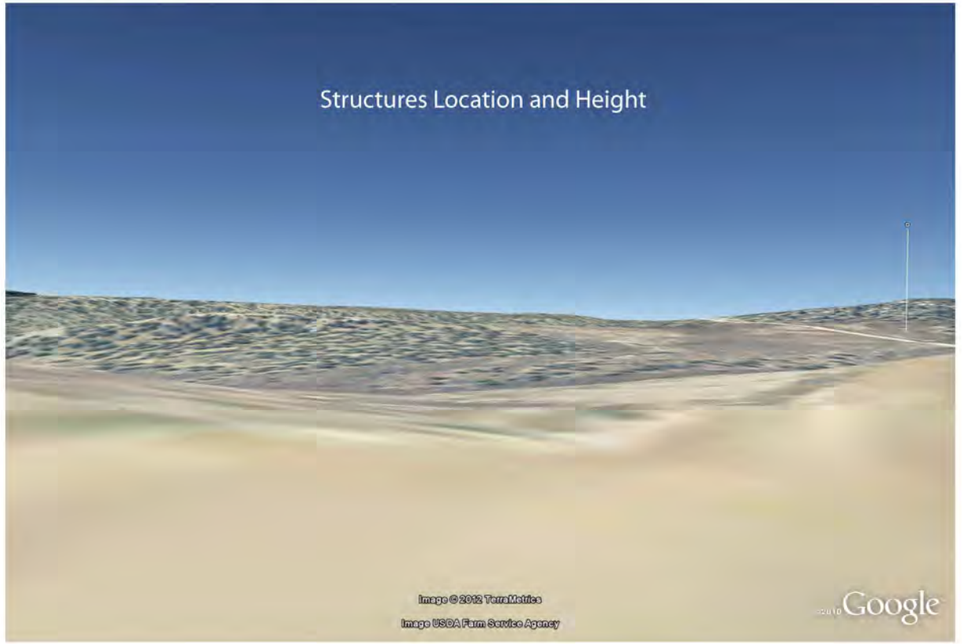
KOP Location

0 4,950 9,900 19,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-22
BLM Recreation Road
(southbound)
(Segment 220.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 06/02/2012
District White River FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
WR-23

3. VRM Class
IV (VRI Class III)

4. Location Moffat Co.
Rd. 23 (Southbound)
Township 001N
Range 102W
Section 33

5. Location Sketch
Please see Figure 3.12-1

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Planar rolling and angular ridges. Angular side slopes.	Organic clumps of pinon-juniper, rabbit brush, sagebrush and grasses.	Planar gravel road.
LINE	Strong angular lines of ridges and skyline. Angular side slopes.	Indistinct pinon-juniper, sagebrush, rabbit brush and linear roadside grasses.	Horizontal and curvilinear road edges.
COLOR	Very light, medium, and dark tan to brown landforms.	Dark olive green pinon-juniper and medium olive green sagebrush. Golden tan to brown rabbit brush and grasses.	Light to medium reddish brown roadway.
TEX-TURE	Smooth to moderate landforms.	Coarse pinon-juniper, rabbit brush and sagebrush. Smooth to coarse grasses.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

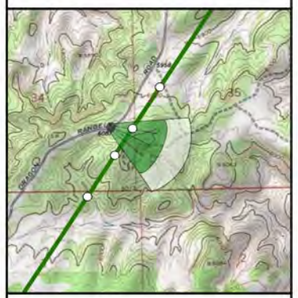
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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



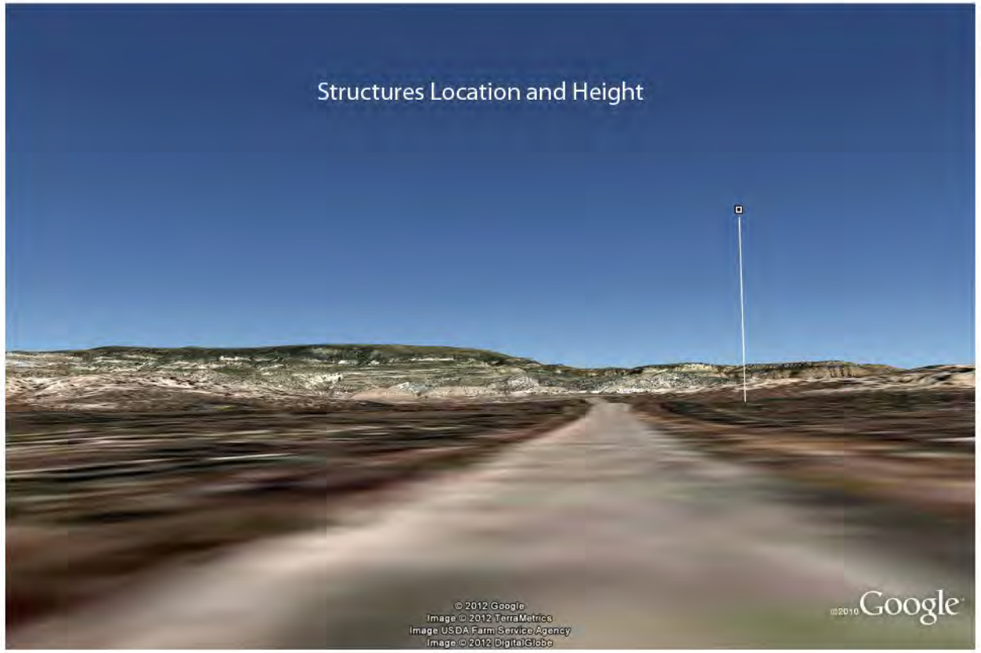
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP WR-23
Moffat County Rd. 23
(southbound)
(Segment 220.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date	10/24/2011
District	White River FO
Resource Area	
Activity (program)	

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	4. Location Blue Mt. Rd (northbound) Township 003N Range 100W Section 009	5. Location Sketch Please see Figure 3.12-1
2. Key Observation Point WR-25		
3. VRM Class IV (VRI Class III)		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM LONG TERM

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

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

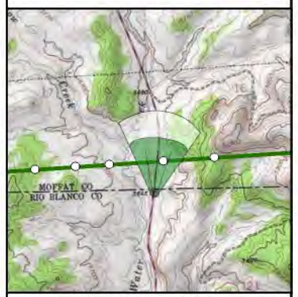
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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 WR-25
Blue Mountain Road
(northbound)
(Segment 210)