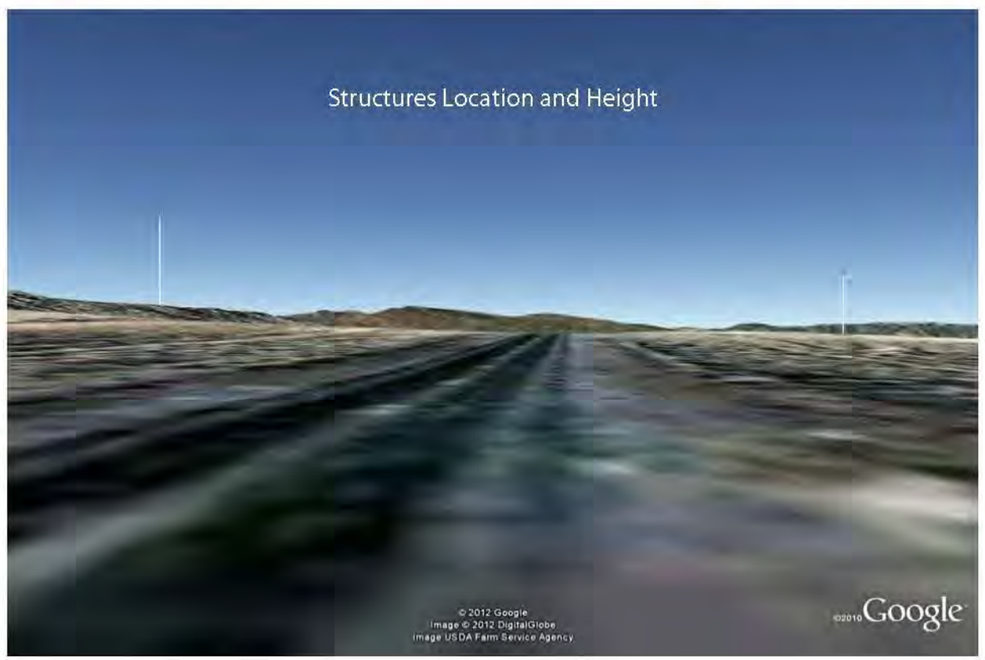


Form 8400-4
(September 1985)

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-71 (NB) Township 21N Range 87W Section 31	5. Location Sketch Please see Figure 3.1-1
2. Key Observation Point R-5		
3. VRM Class Private		

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			
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	10/03/2010

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

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-5
Wyoming State Hwy 71
(northbound)
(Segment 1030)

Project Location

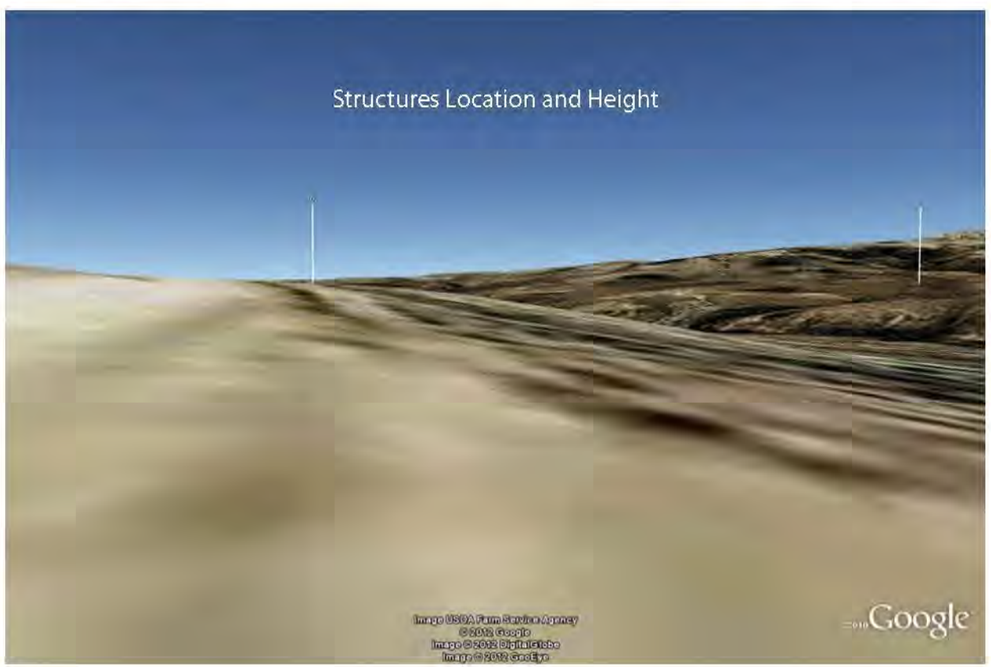
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-5
Simulated Condition
(Segment 1030)



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 (NB)
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) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) Strong	Moderate	Weak	None
Elements	Form									X			
	Line									X			
	Color										X		
	Texture										X		

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

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

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

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 1030)

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 1030)

Project Location

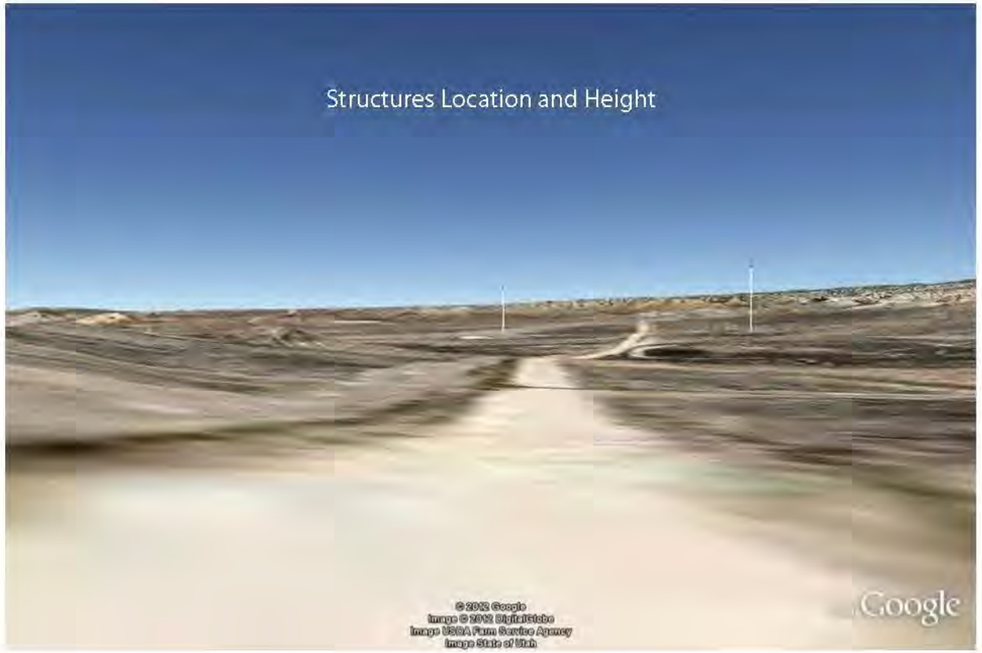
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-6
Cumulative Condition
(Segment 1030)



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
TEXTURE	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.
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	Date
M. Paulson	10/03/2010

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

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

Project Location

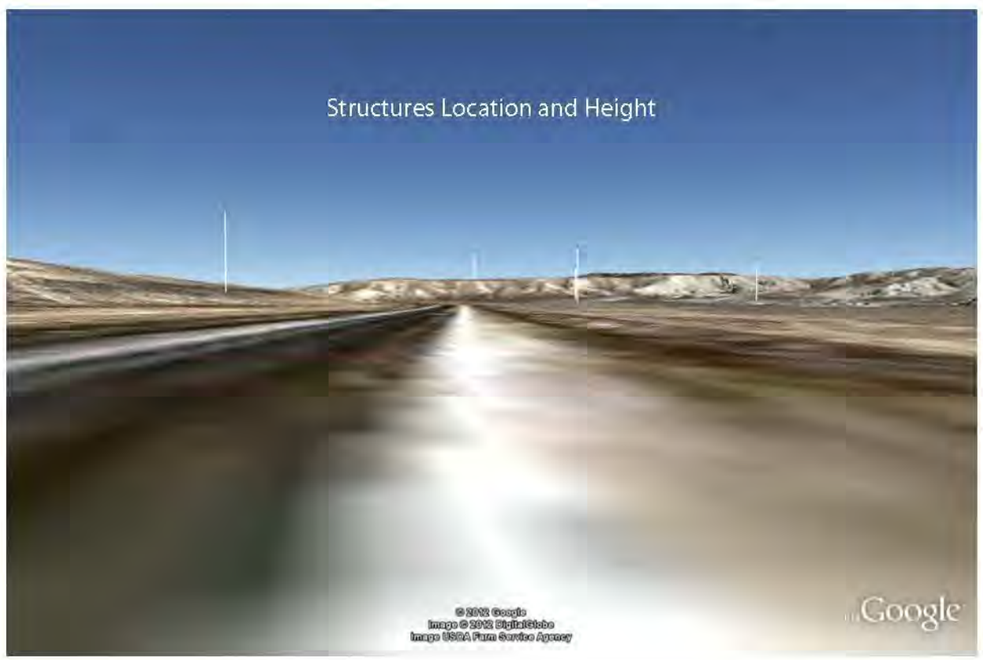
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-7
Poison Buttes Road
(Segment 1115)



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 (NB) 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)

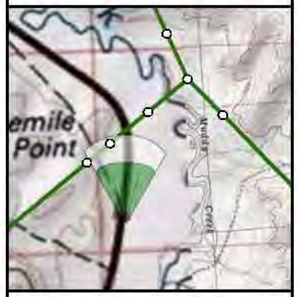
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

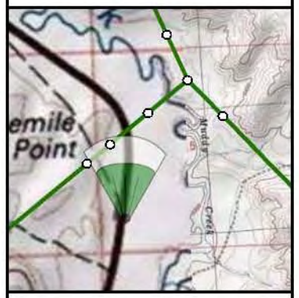
Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-8
Wyoming State Hwy 789
(northbound)
(Segment 1190)

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 1190)

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 (EB)
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			
	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:
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

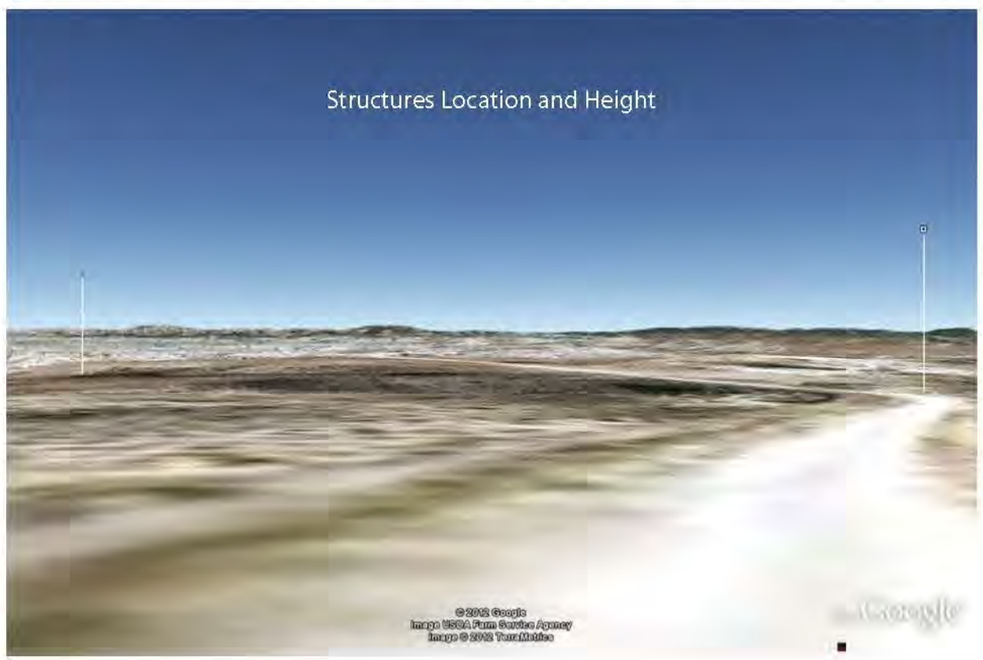
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-9
Wyoming State Hwy 70
(eastbound)
(Segment 1190)



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

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.
TEXTURE	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.
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	Date
M. Paulson	10/03/2010

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

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

Project Location

KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-10
Cherokee Trail Road
(Segment 1120.2

Project Location

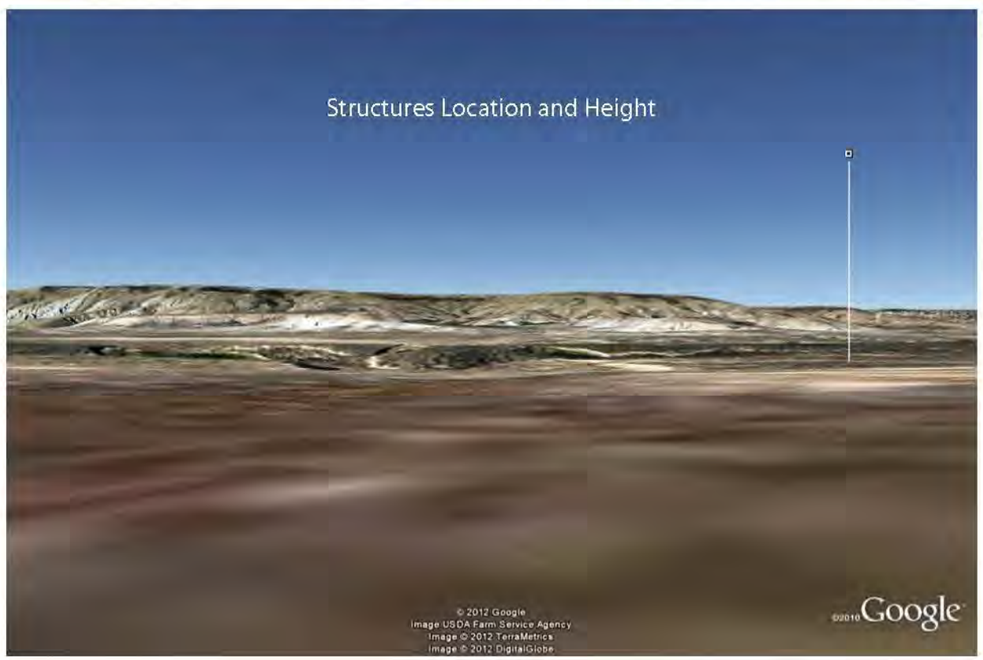
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-10
Simulated Condition
(Segment 1120.2)



Form 8400-4
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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 Cherokee Trail/Wyoming SH-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.
TEXTURE	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.
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	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 1190)

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 pinyon-juniper, sagebrush and grasses.	Planar roads.
LINE	Strong foreground angular skyline. Angular side slopes. Linear, mostly horizontal rock formations.	Indistinct pinyon-juniper, sagebrush and grasses.	Linear meandering roads.
COLOR	Light to medium tan and brown landform and exposed soils.	Dark green pinyon-juniper. Light grey-green sagebrush and light tan to brown grasses.	Light tan roads.
TEXTURE	Smooth, moderate, and coarse landform.	Smooth to coarse pinyon-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.
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			
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

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

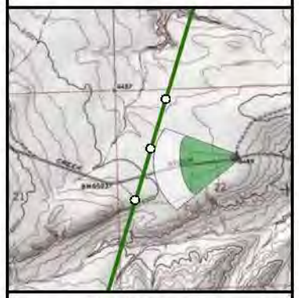
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-12
Shell Creek Stock Trail
(Segment 1120)

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 pinyon-juniper. Golden tan to brown grasses and forbs.	Light to medium grey foreground roadway, green markers, and dark brown fence posts.
TEXTURE	Smooth to moderate exposed soils.	Coarse pinyon-juniper 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.
TEXTURE			Course steel lattice structures and smooth conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

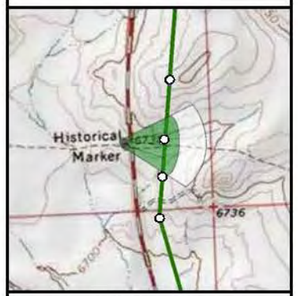
Feet
0 700 1,400 2,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-13
Overland Trail
Wyoming SH 789
(Segment 1190)

Project Location



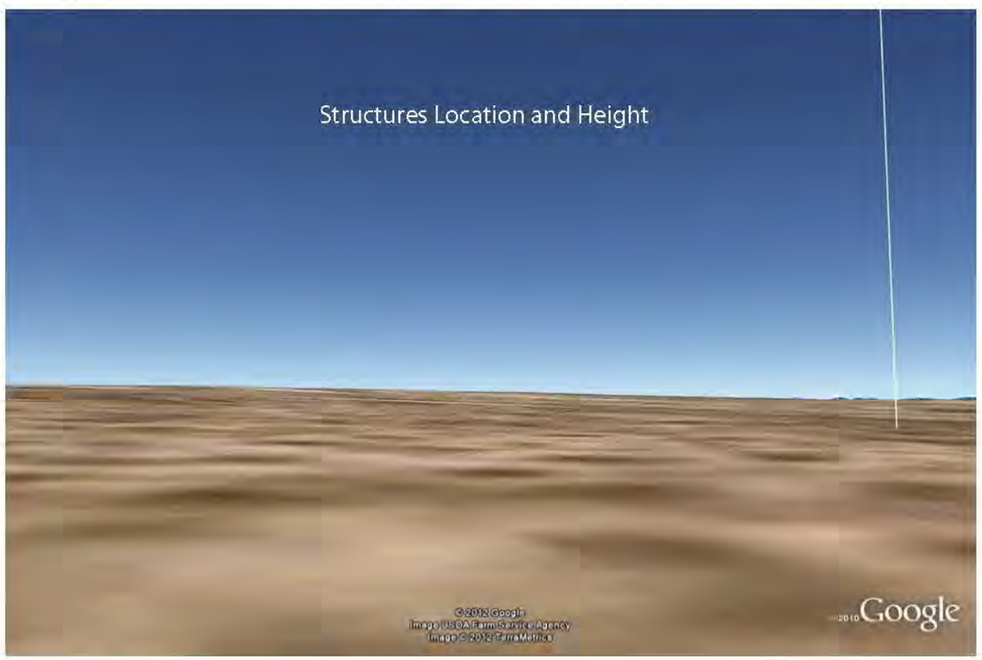
KOP Location

0 700 1,400 2,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-13
Simulated Condition
(Segment 1190)



Form 8-400-4
(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.
TEXTURE	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.
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		
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 mile of the viewer and does not parallel an existing transmission line and/or where access roads and vegeation clearing would occur in moderate to steep terrain, it would have a strong contrast and would not comply with VRM Class III management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual imapcts where the Project is located more than 0.5 mile away from viewer locations.

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

Project Location

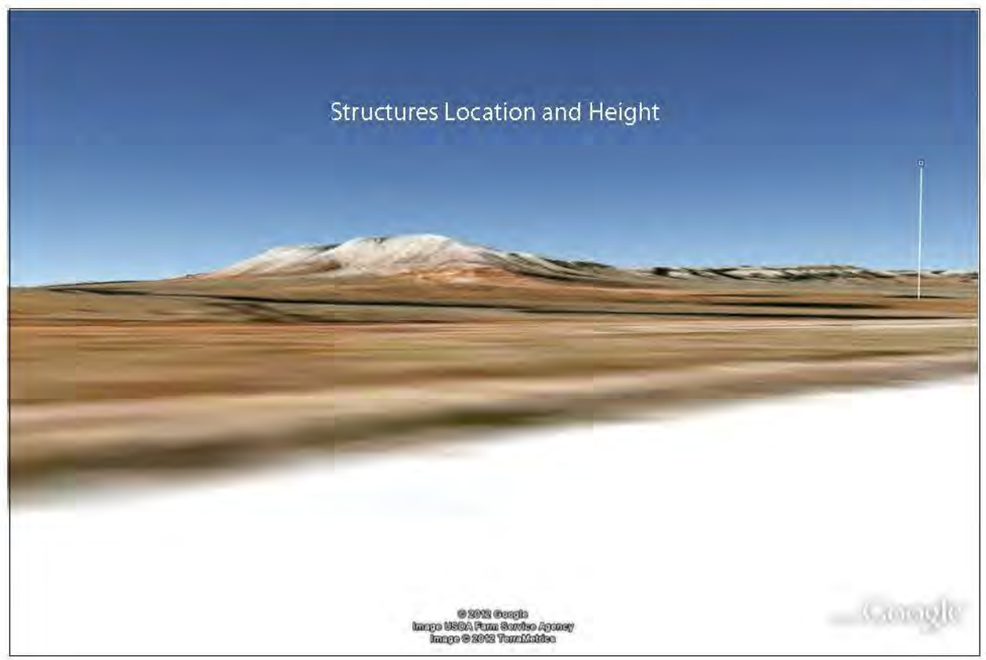
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-14
Overland Trail
(Segment 1115)



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	

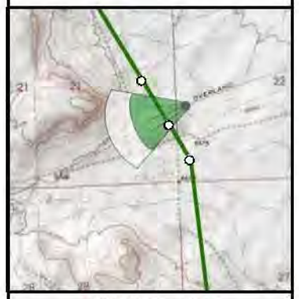
2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

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 1120)

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 13N
Range 91W
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 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			
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: 05/31/2012

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

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

Project Location

KOP Location

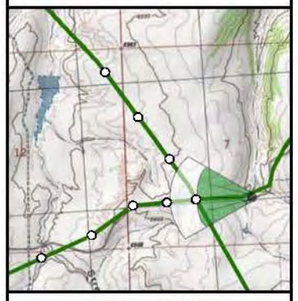
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-16
Shell Creek Stock Trail
(westbound)
(Segment 1115)

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 1115)

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 (SB)
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

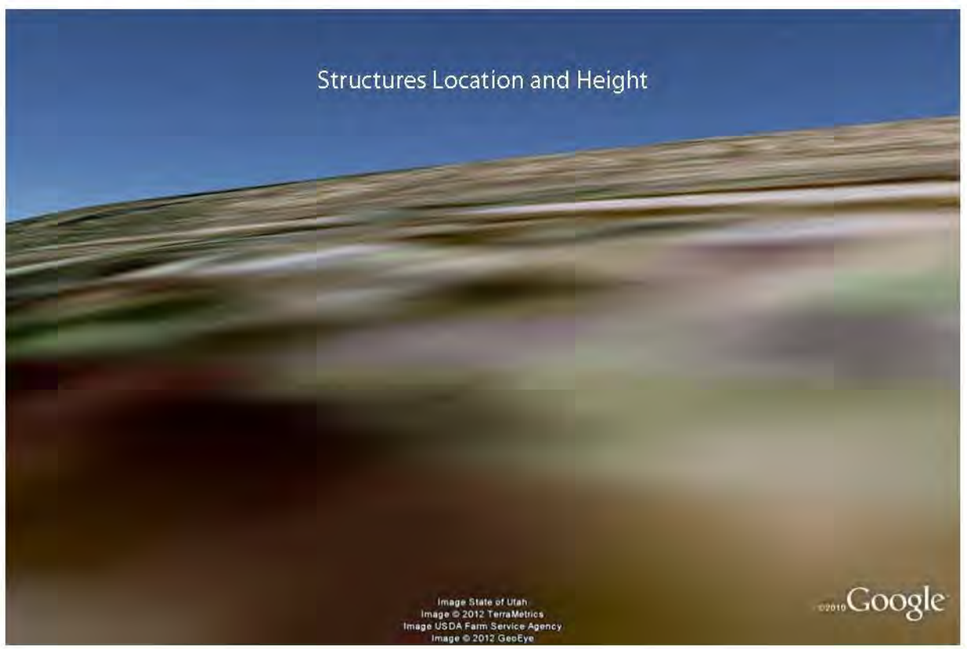
KOP Location

Feet
0 2,375 4,750 9,500

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP R-17
Wyoming State Hwy 789
(southbound)
(Segment 1115)



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 24
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		
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 be consistent with Moderate SIO or Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-5, VR-7, VR-9, VR-10, and VR-12) would further reduce contrasts.

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

Project Location

KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-2
Skyline Road
(northbound)
(Segment 1310)

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.
TEXTURE	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.
TEXTURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

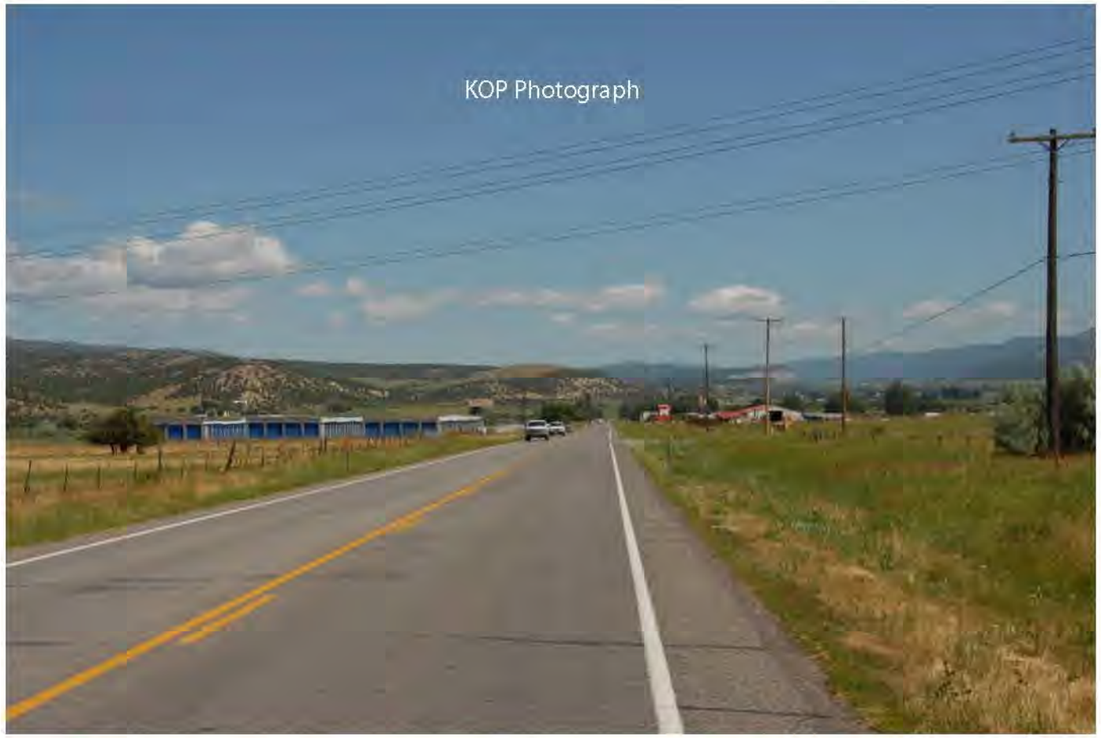
KOP Location

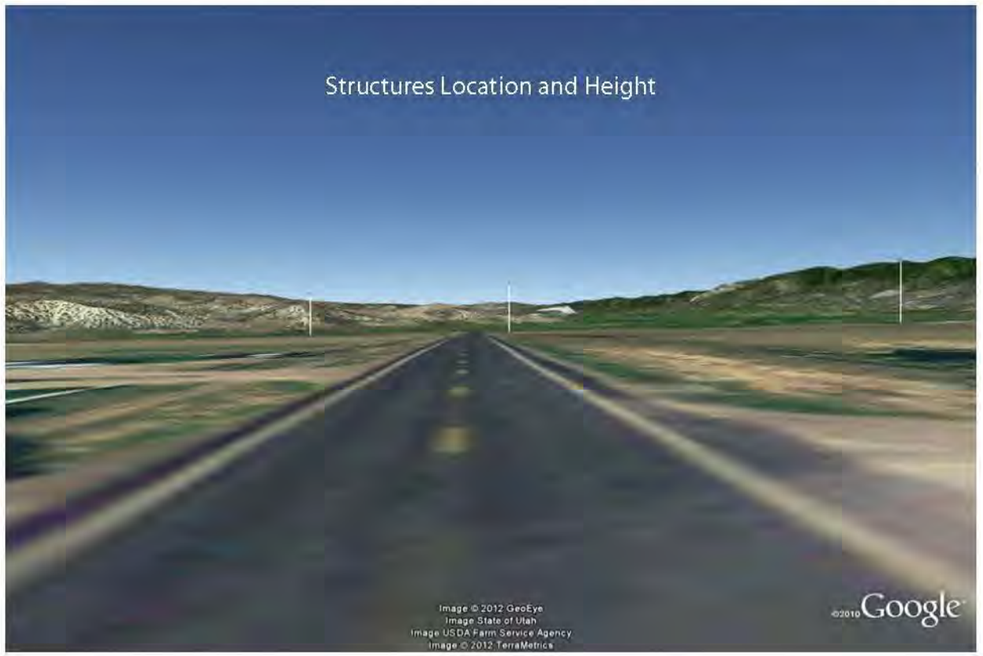
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-3
Mountainville Road
(northbound)
(Segment 1310)





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-4
3. VRM Class: IV
4. Location: US 89 (NB); Township 14S; Range 4E; Section 34
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 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.
TEXTURE	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.
TEXTURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 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 1310)

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.
TEXTURE	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.
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												
	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

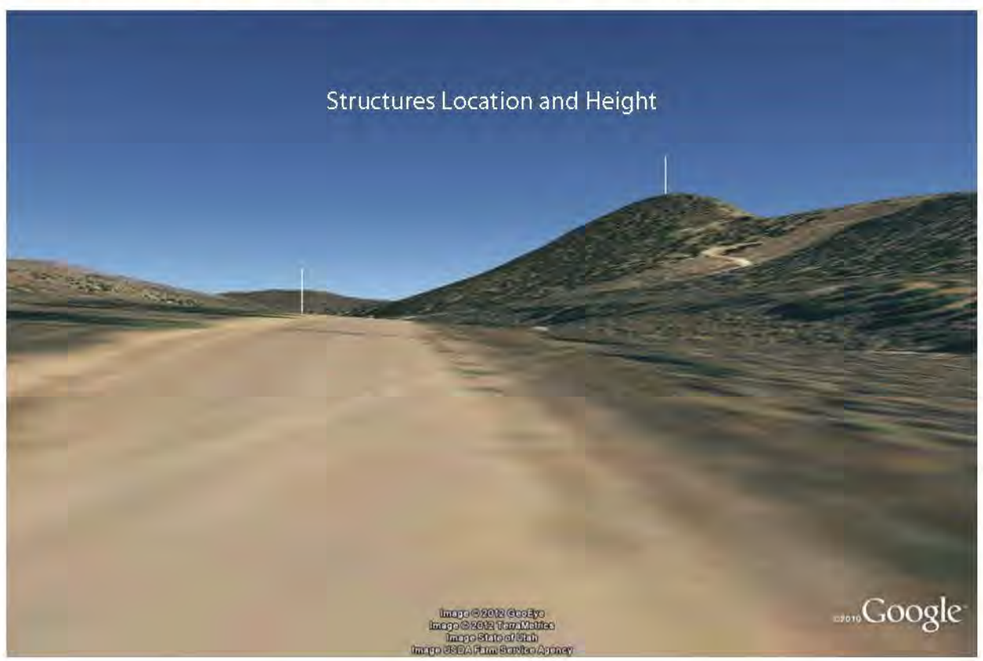
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-5
U.S. 89
(southbound)
(Segment 1310)



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 pinyon-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.
TEXTURE	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.
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												

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

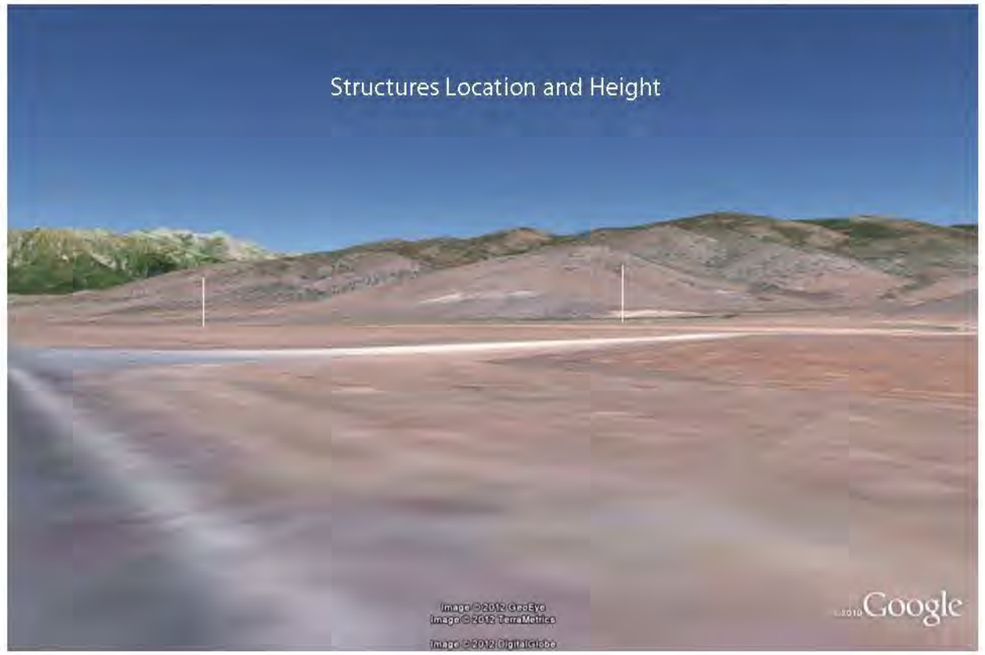
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-7
Big Hollow Road
Fountain Green
(Segment 1310)



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 pinyon-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

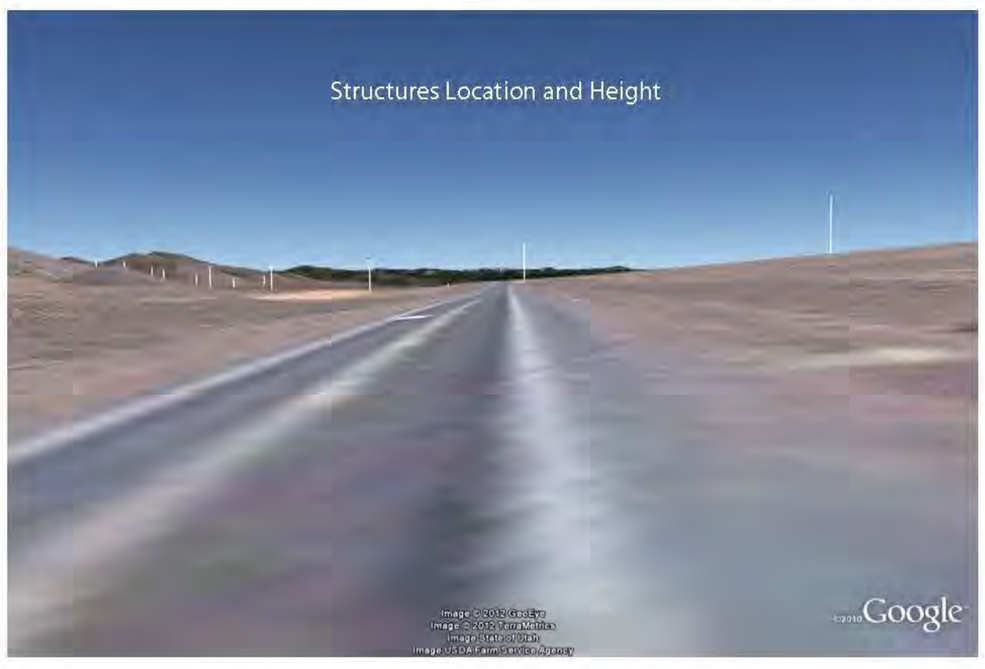
KOP Location

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 1310)



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 (EB)	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point Rich-9	Township 13S	
3. VRM Class IV	Range 2E Section 15	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded and angular mountains and inclined planar valley floor.	Clumps of pinyon-juniper trees, sagebrush and grasses.	Planar roadway and prominent planar 345-kV wood towers and conductors. H-frame 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.
TEXTURE	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.
TEXTURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	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

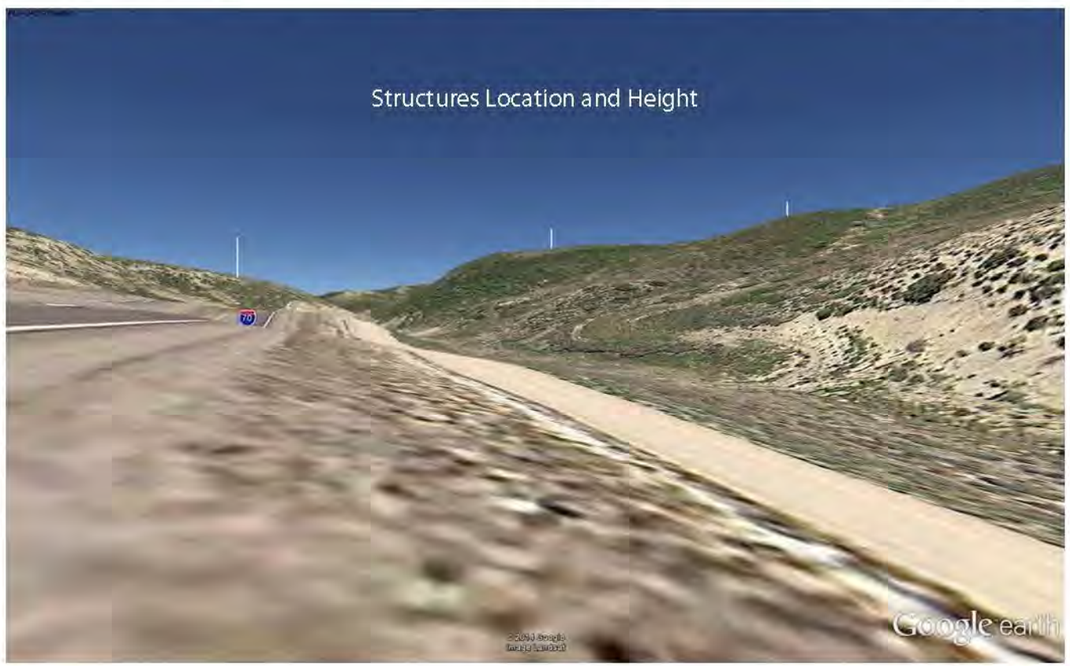
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-9
Utah State Highway 132
(eastbound)
(Segment 1310)



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 04/28/2014
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 11

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 pinyon-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.
TEXTURE	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.
TEXTURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 04/28/2014

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

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

Project Location

KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-13
I-70
(eastbound)
(Segment 1330.1)

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 1330.1)

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 pinyon-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.
TEXTURE	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.
TEXTURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

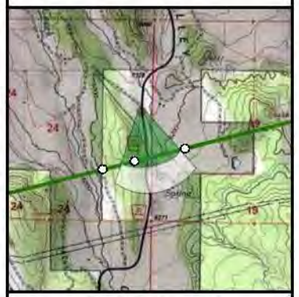
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

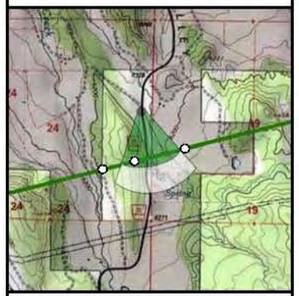
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-14
Gooseberry-Fremont
Scenic Backway
(Segment 1330.1)

Project Location



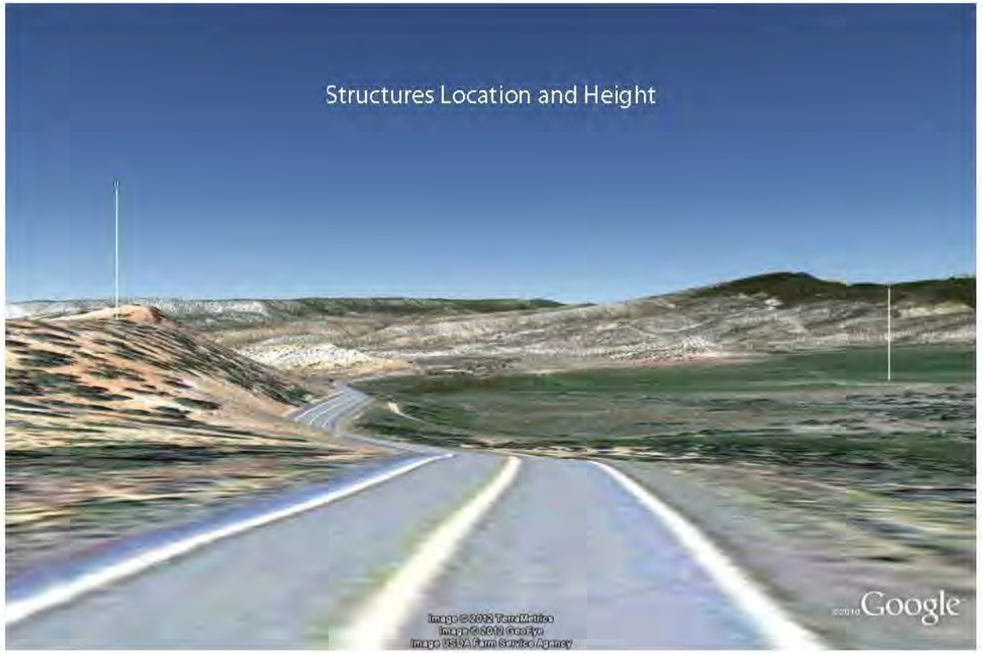
KOP Location

Feet
0 1,450 2,900 5,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-14
Simulated Condition
(Segment 1330.1)



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 pinyon-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) 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)

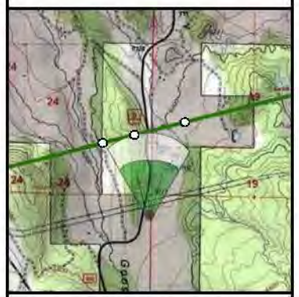
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-15
Gooseberry-Fremont
Scenic Backway
(Segment 1330.1)

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) 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-16
Interstate 70
(southbound)
(Segment 1330.1)

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.
TEXTURE	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.
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:
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.

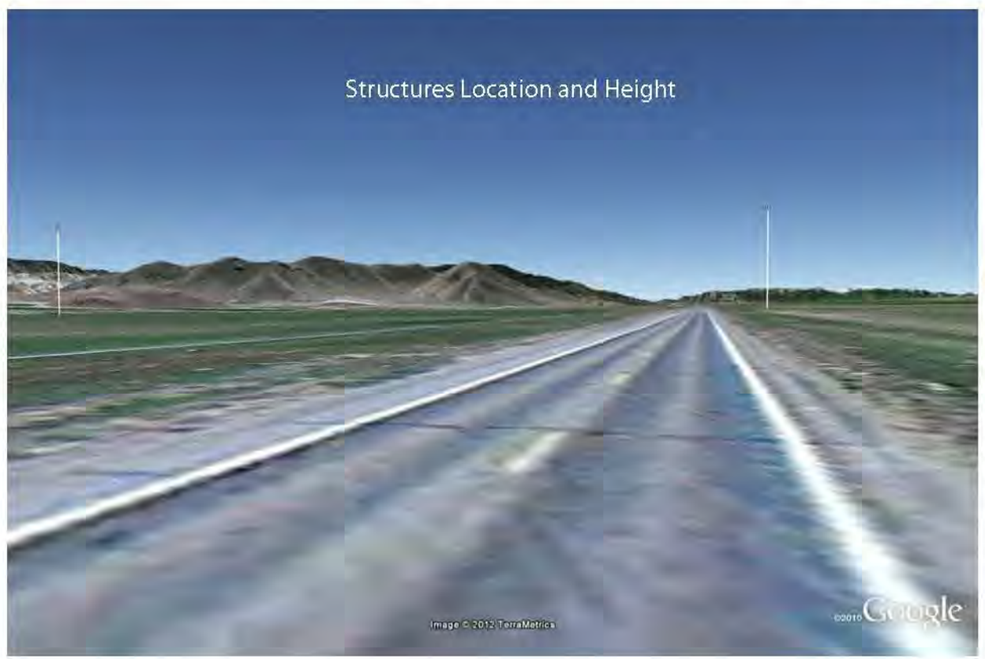
Project Location

KOP Location

0 1,450 2,900 5,800 Feet

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-17
Interstate 70
(northbound)
(Segment 1330.1)



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

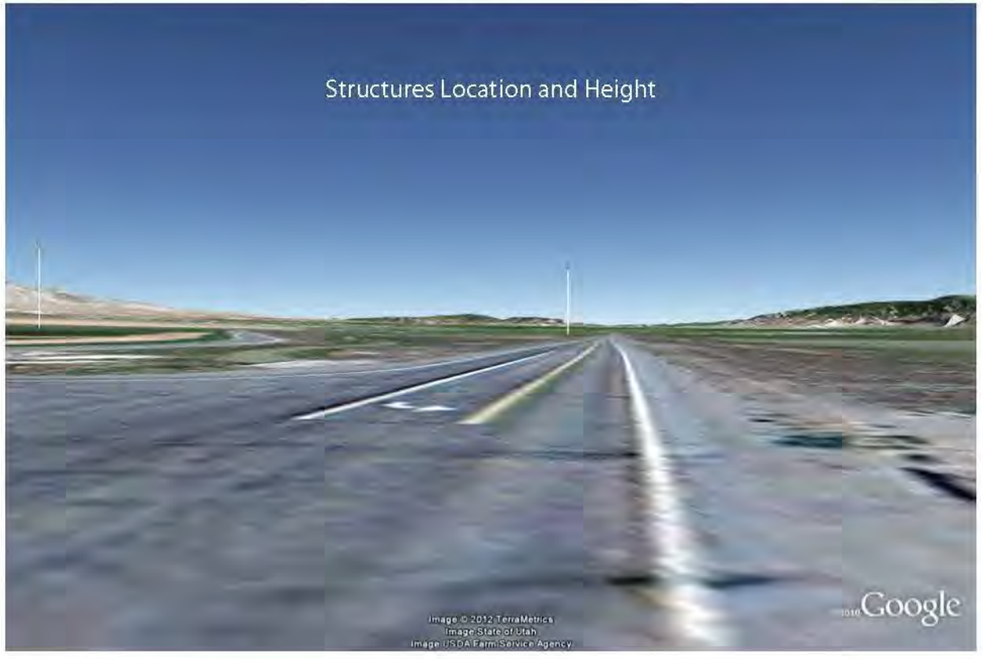
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-18
U.S. 89
(southbound)
(Segment 1330.1)



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	4. Location US-89 (NB) Township 22S Range 1W Section 8	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point Rich-19		
3. VRM Class IV		

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.
TEXTURE	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.
TEXTURE			Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	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

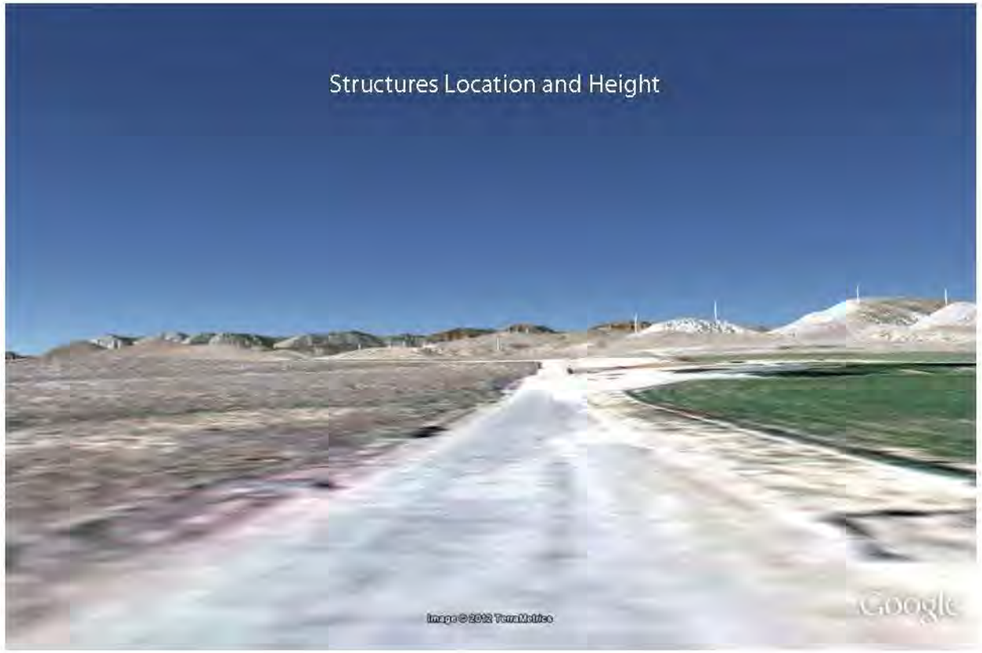
N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-19
U.S. 89
(northbound)
(Segment 1330.1)

KOP Photograph

Structures Location and Height



Form 8400-4
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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) 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)

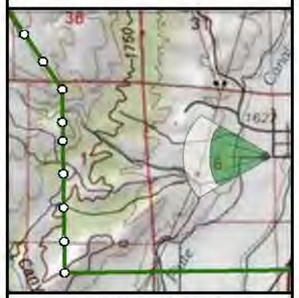
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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



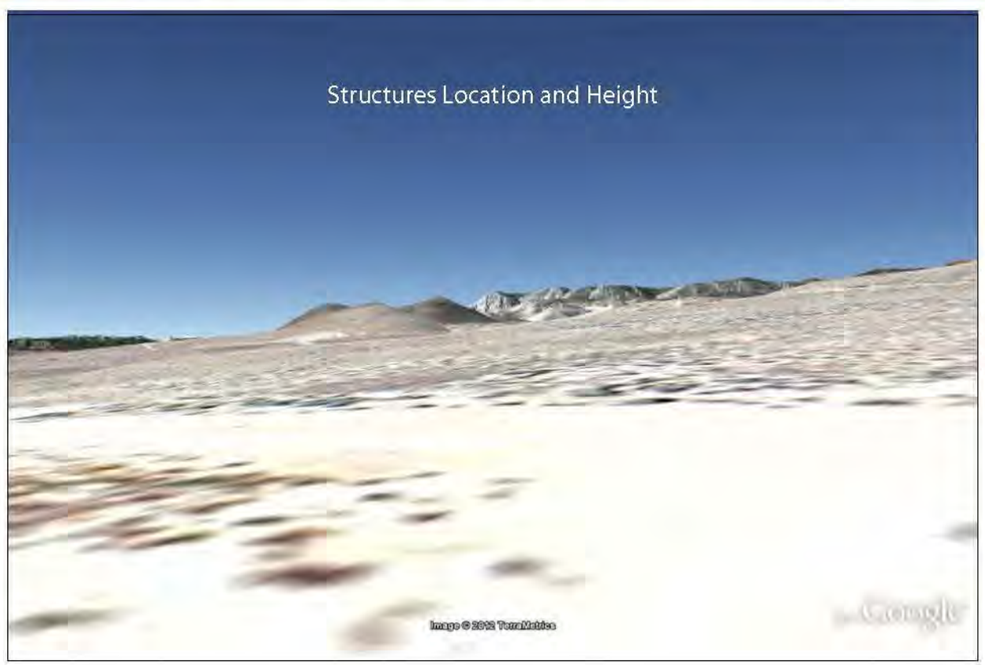
KOP Location

Feet
0 2,250 4,500 9,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-20
Aurora Residential Road
(Segment 1330.1)



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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Prominent rounded mountains and rolling valley floor.	Clumps of pinyon-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)				VEGETATION (2)				STRUCTURES (3)			
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements: Form										X		
Elements: Line										X		
Elements: Color										X		
Elements: Texture											X	

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

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

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

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

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

Project Location

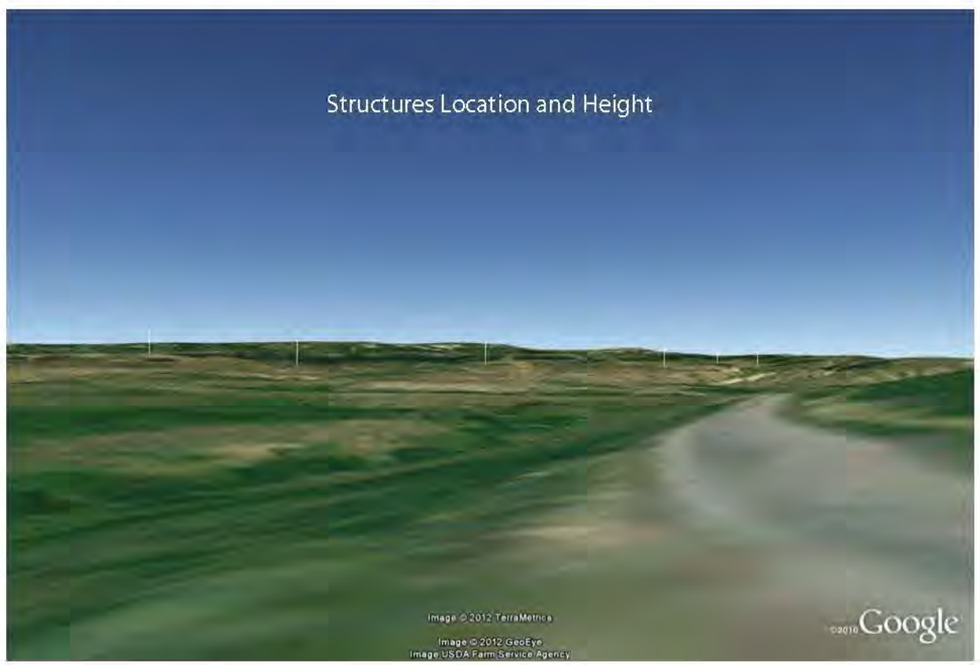
KOP Location

Feet
0 2,250 4,500 9,000

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-21
Aurora Recreation Road
(Segment 1330.1)



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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-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
TEXTURE	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, grey-green	Light silver to dark grey steel lattice structures, guys, and conductors.
TEXTURE		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			
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)

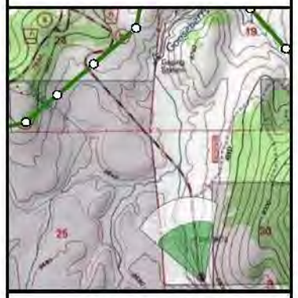
3. Additional mitigating measures recommended ☑ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/27/11
(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 or moderate contrast and would not be consistent with Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location



KOP Location

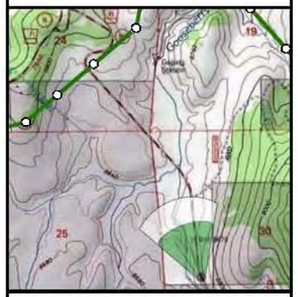
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 22
Energy Loop
Scenic Byway
(Segment 1217.15)

Project Location



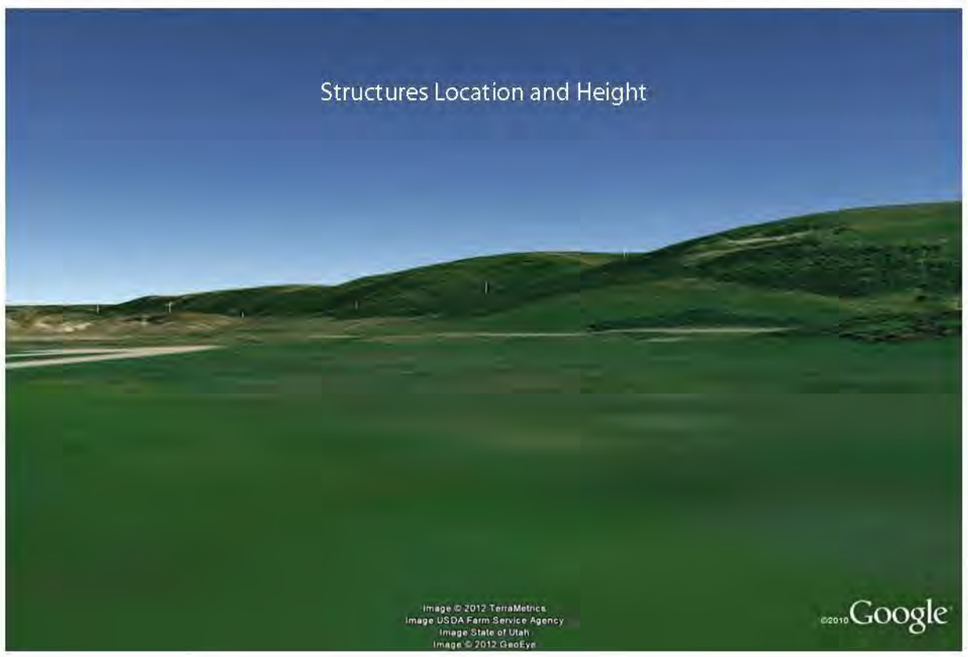
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 22
Simulated Condition
(Segment 1217.15)



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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-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
TEXTURE	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, grey-green	Light silver to dark grey 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)

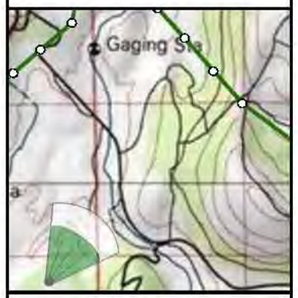
3. Additional mitigating measures recommended ☐ Yes ☑ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/27/11
(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 or moderate contrast and would not be consistent with Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations.

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

Project Location



KOP Location

Feet
0 1,900 3,800 7,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 23
Fairview Lakes
Residential
(Segment 1217.15)

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(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-24

3. VRM Class
USFS VQO Partial Retention

4. Location Fairview Lakes-
The Energy Loop Scenic Byway
Township 14S
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	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, greys, 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, grey-green	Light silver to dark grey 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	9/27/11
(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 or moderate contrast and would not be consistent with Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location

KOP Location

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 1217.15)

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, greys	Vivid, greens, tans, whites seasonal color	NA
TEXTURE	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 grey steel lattice structures, guys, and conductors.
TEXTURE		NA	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

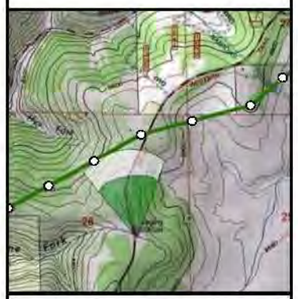
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/27/11
(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 or moderate contrast and would not be consistent with Partial Retention VQO management objectives. Mitigation measures (VR-1, VR-3, VR-4, VR-5, VR-7, VR-9, VR-10, and VR-12) would reduce strong contrasts to moderate resulting in moderate to low residual impacts where the Project is located more than 0.5 miles away from viewer locations

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

Project Location



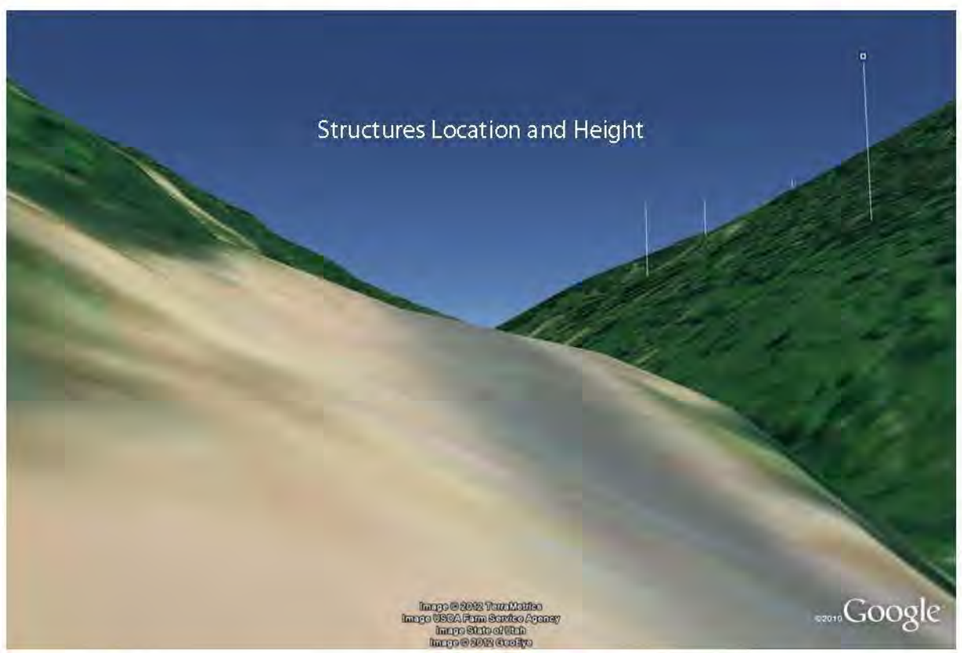
KOP Location

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 1217.15)



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-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, grey-green	Light silver to dark grey 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)

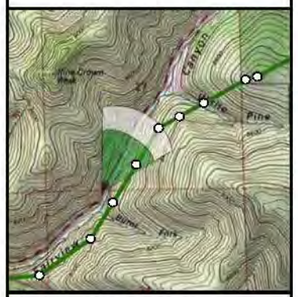
3. Additional mitigating measures recommended ☑ Yes ☐ No (Explain on reverse side)

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

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

Project Location



KOP Location

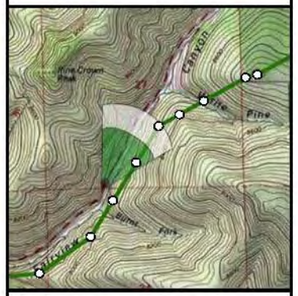
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 26
Energy Loop Scenic Byway
(Utah Route 31)
(Segment 1217.15)

Project Location



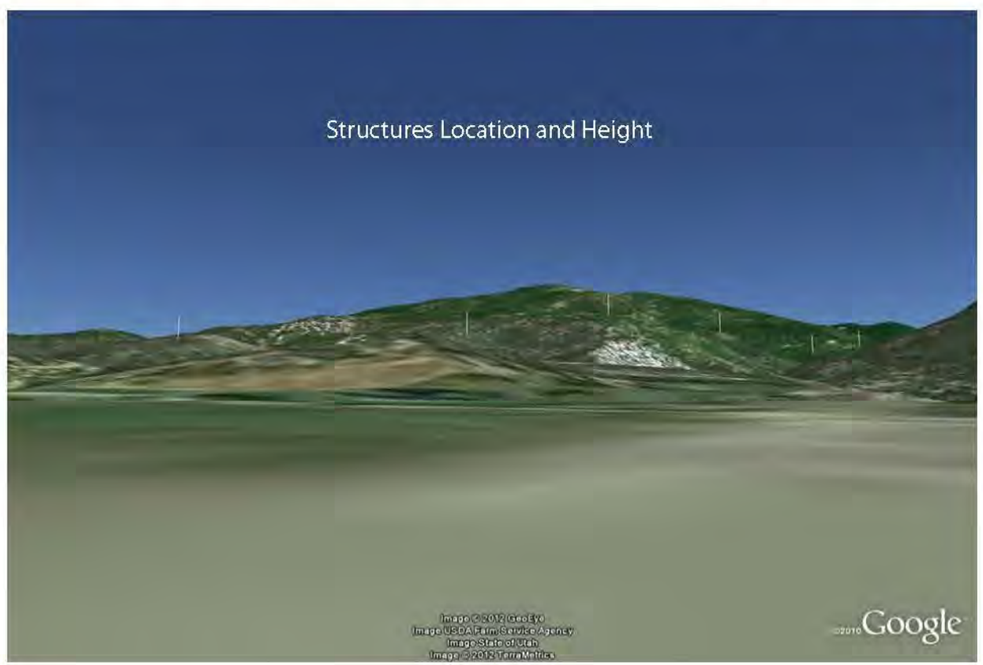
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 26
Simulated Condition
(Segment 1217.15)



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-27

3. VRM Class
Private

4. Location Fairview Residential
Township 13S
Range 4E
Section 36

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	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, grey-green	Light silver to dark grey 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 1,600 3,200 6,400 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-27
Fairview Residential
(Segment 1217.15)

Form 8-400-4
(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, greys
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, grey-green	Light silver to dark grey 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

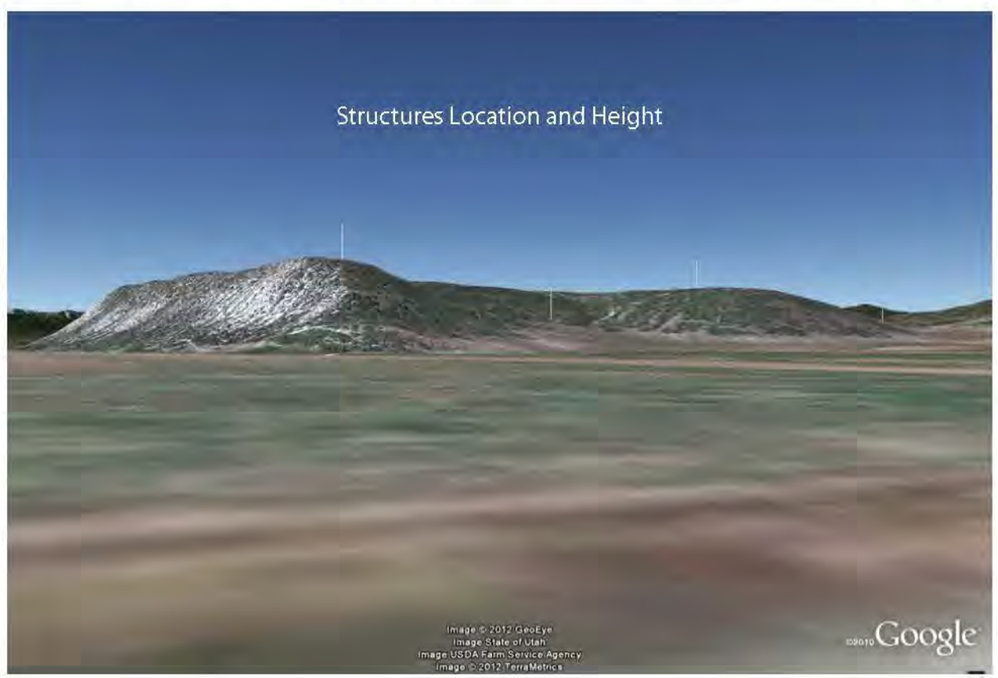
N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-28
Fairview Residential
(Segment 1217.15)

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 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
Private

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, grey
TEXTURE	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, grey-greens	Light silver to dark grey 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	9/26/11
(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-29
Milburn Residential
(Segment 1217.15)

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: Private
4. Location: US-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
TEXTURE	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, grey-green	Light silver to dark grey 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			
Elements: Line			X			X				X		
Elements: Color			X				X			X		
Elements: Texture			X				X		X			

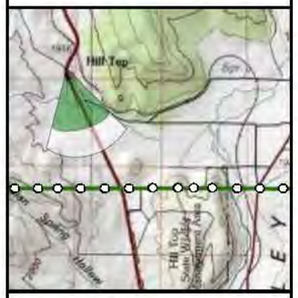
2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)

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



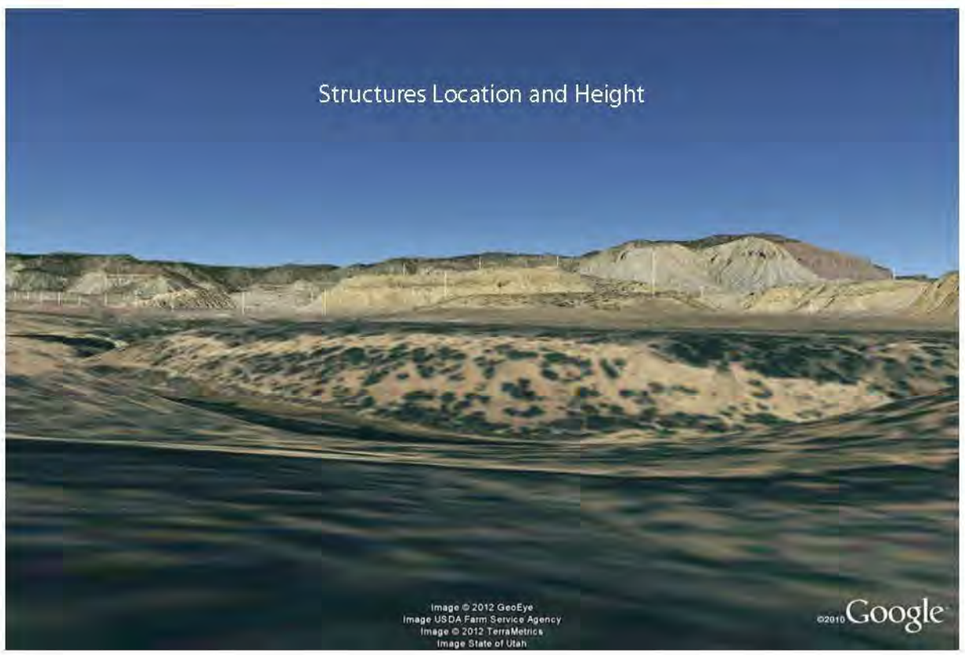
KOP Location

Feet
0 3,300 6,600 13,200

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 30
U.S. Hwy 89
North of Fairview
(Segment 1217.15)



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	4. Location Utah SH-10 (NB) Saleratus Benches Township 23S Range 5E Section 14	5. Location Sketch Please see Figure 3.12-2
2. Key Observation Point Rich-31		
3. VRM Class Class IV		

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 pinyon-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 pinyon-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 grey 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	Date
M. Paulson	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 1330.1)