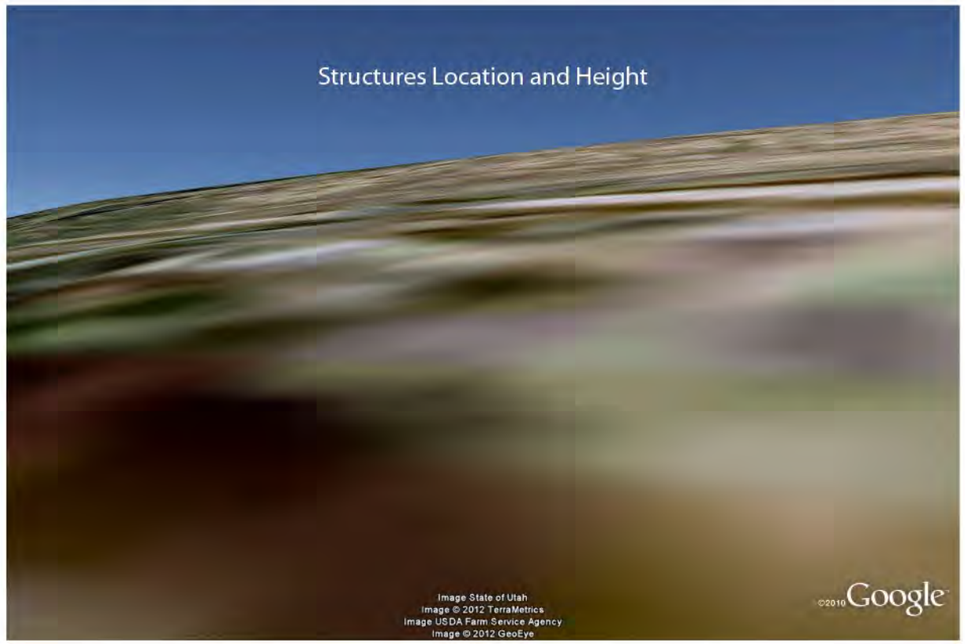


Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-2
3. VRM Class: USFS VQO Partial Retention
4. Location: Skyline Rd. NB; Township 15S; Range 5E; Section
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Angular mountain ridges. Inclined planar side slopes.	Pyramidal clumps and surfaces of tundra spruce and fir.	Planar wood poles and conductors and curved roadways.
LINE	Horizontal mountain skyline, angular side slopes and inclined snowfield..	Toothed skyline edges of forest.	Vertical and horizontal structures and roadways.
COLOR	Light to medium light to medium brown rock and soil.	Light to medium to dark olive green trees. Light and medium green tundra grasses and forbs.	Medium to dark brown structures and roadways. Dark grey conductors.
TEX-TURE	Smooth landforms.	Smooth to coarse.	Smooth.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

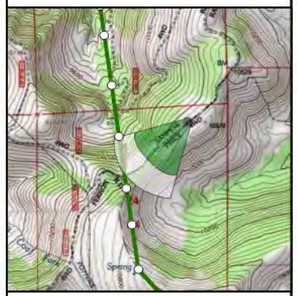
2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)
3. Additional mitigating measures recommended ☐ Yes ☑ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-2
Skyline Road
(northbound)
(Segment 310)

Western AREA POWER ADMINISTRATION

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		
Line										X		
Color										X		
Texture											X	

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

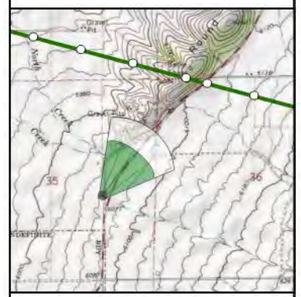
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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



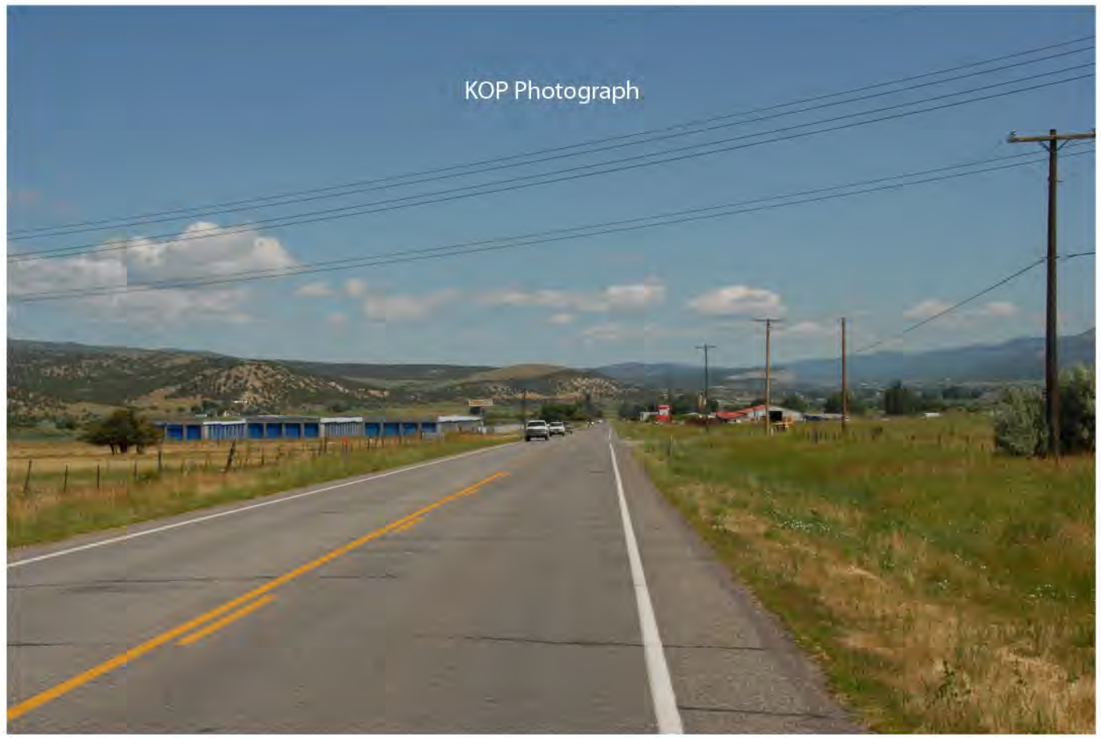
KOP Location

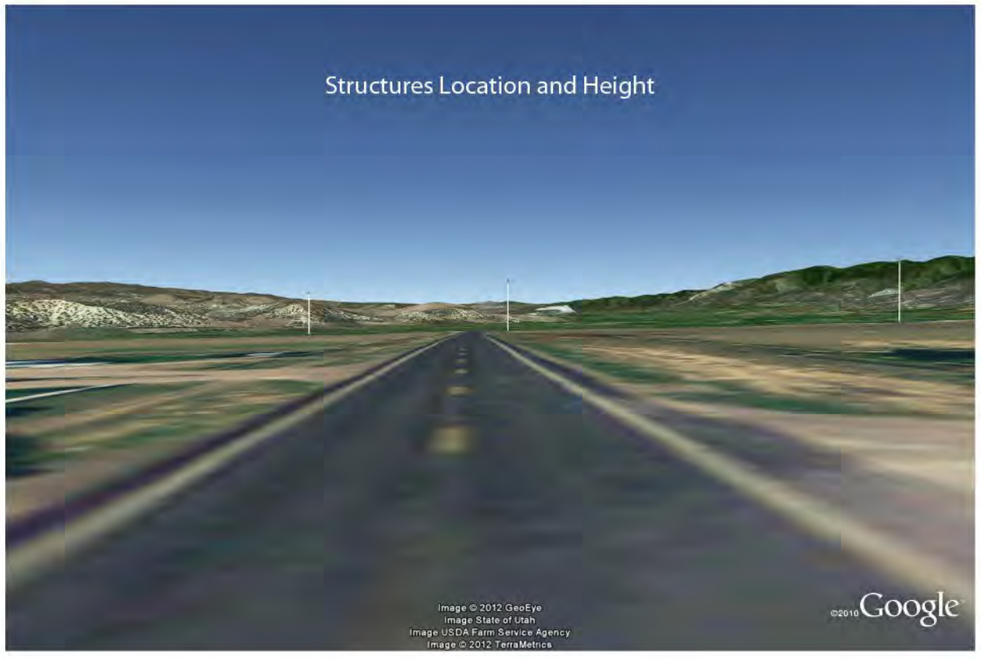
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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





Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

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.
TEX-TURE	Smooth to medium landforms.	Smooth, moderate and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

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

Project Location

KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

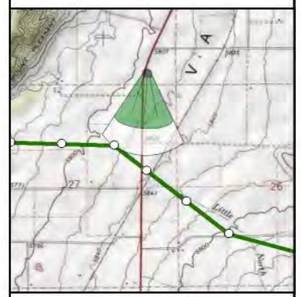
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



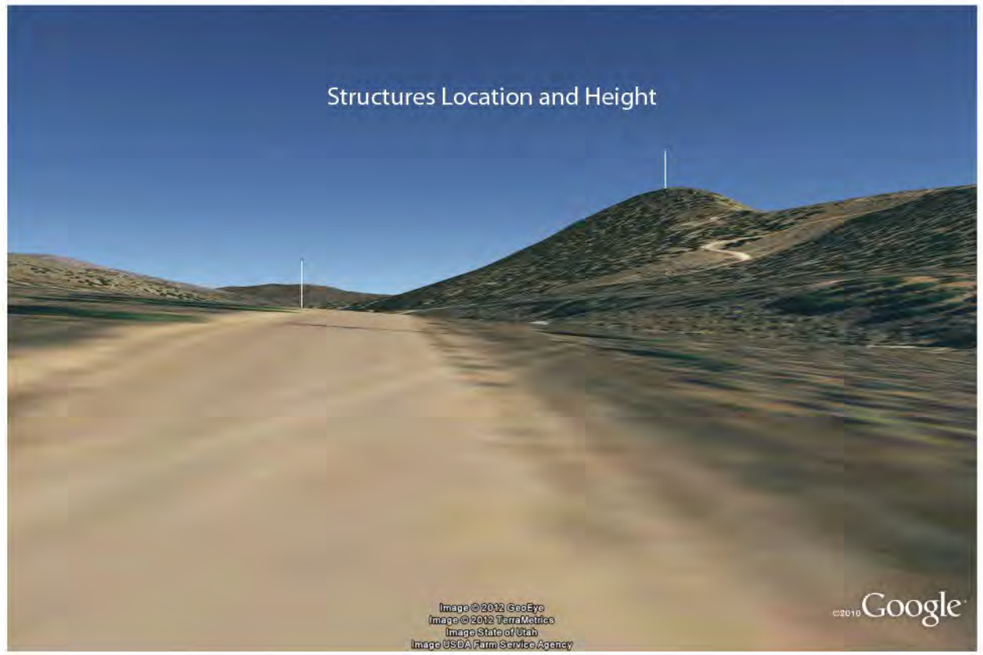
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**4. Location** Big Hollow Road–Fountain Green	**5. Location Sketch**
2. Key Observation Point Rich-7	**Township** 13S	Please see Figure 3.12-2
3. VRM Class IV	**Range** 3E	
	Section 32	

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

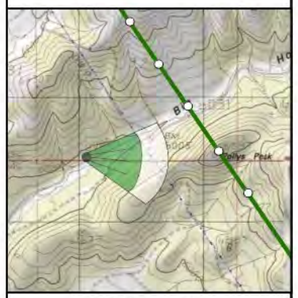
3. Additional mitigating measures recommended ☐ **Yes** ☐ **No** **(Explain on reverse side)**

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

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

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

Project Location



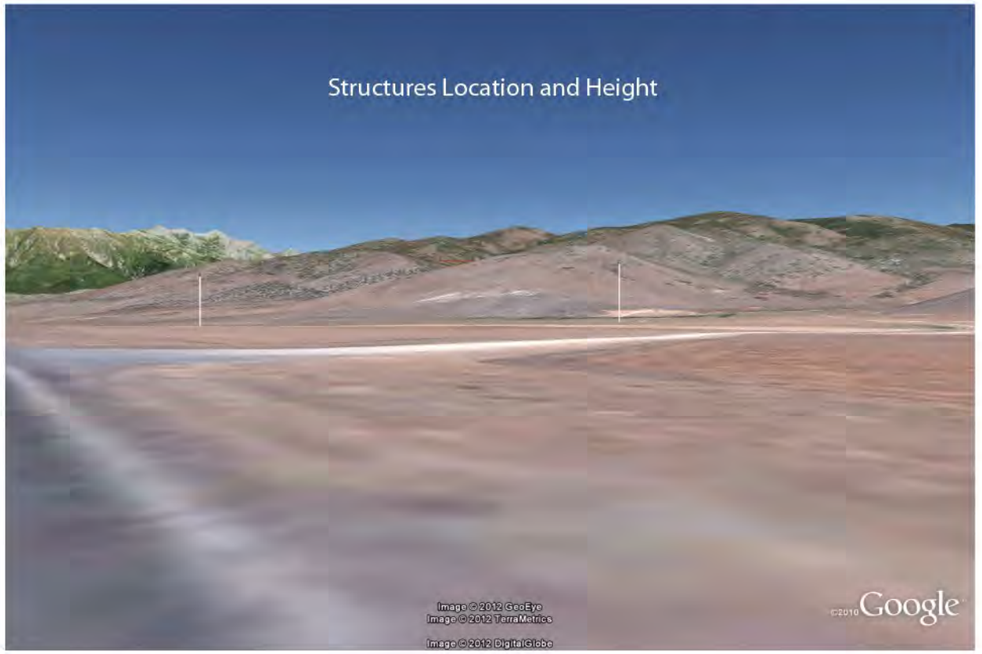
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: Rich-8
3. VRM Class: IV
4. Location: Utah SH 132 WB; Township 13S; Range 2E; Section 23
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 and inclined planar valley floor.	Blanket and clumps of pinon-juniper trees, sagebrush and grasses.	Planar roadway and planar 345-kV wood towers. Steel lattice towers in background.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges.	Curvilinear paved roadway and vertical and horizontal towers, and poles.
COLOR	Light to medium reddish tan and brown soil.	Light to medium to dark green trees, silvery green shrubs and grasses.	Light to medium grey road and medium to dark brown towers and poles.
TEX-TURE	Smooth to medium landforms.	Smooth, moderate and coarse.	Smooth to medium.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

		FEATURES												2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)				3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)
DEGREE OF CONTRAST		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	
Elements	Form										X			Evaluator's Names: M. Paulson — Date: 07/22/2011
	Line										X			
	Color										X			
	Texture											X		

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

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

Project Location

KOP Location

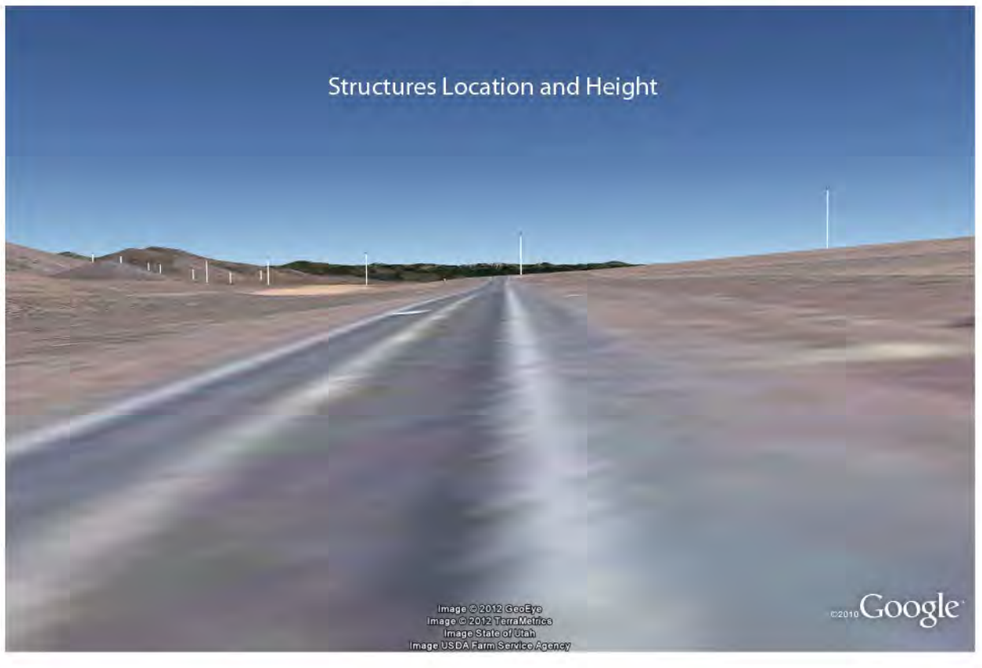
Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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

Western Area Power Administration



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

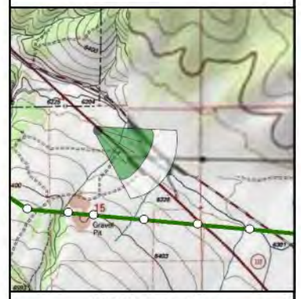
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

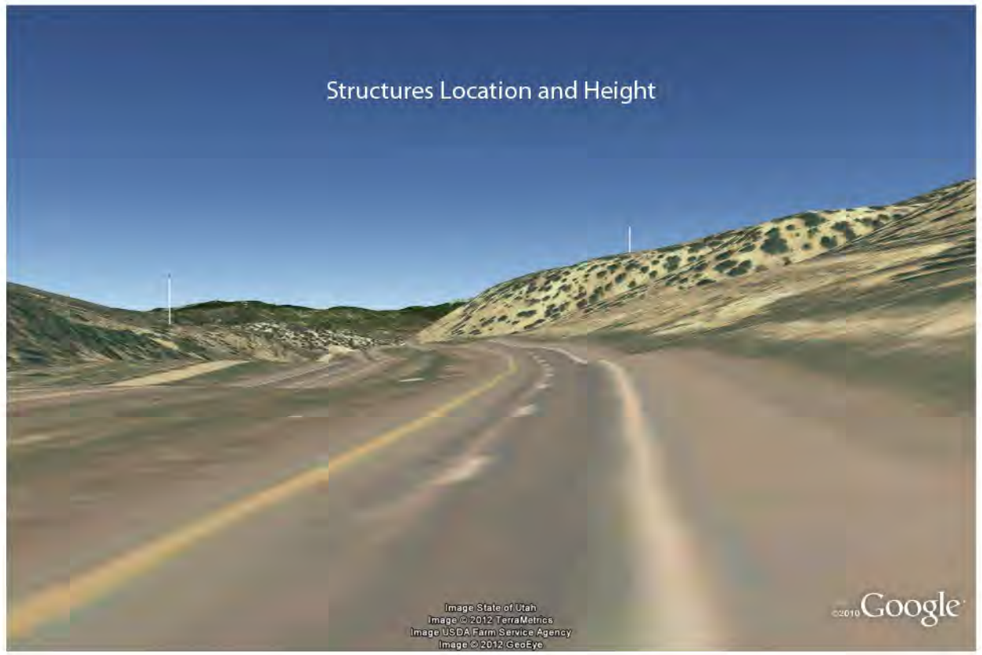
Project Location



KOP Location

TRANSWEST EXPRESS TRANSMISSION PROJECT

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



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

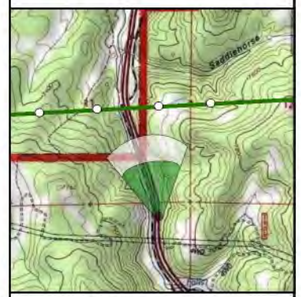
3. Additional mitigating measures recommended ☐ **Yes** ☐ **No** **(Explain on reverse side)**

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

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

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

Project Location



KOP Location

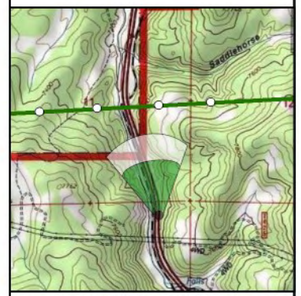
Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-12
Simulated Condition
(Segment 330.1)

Western Area Power Administration

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

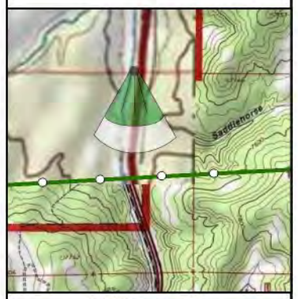
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

Project Location



KOP Location

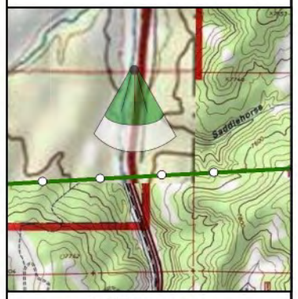
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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

Project Location



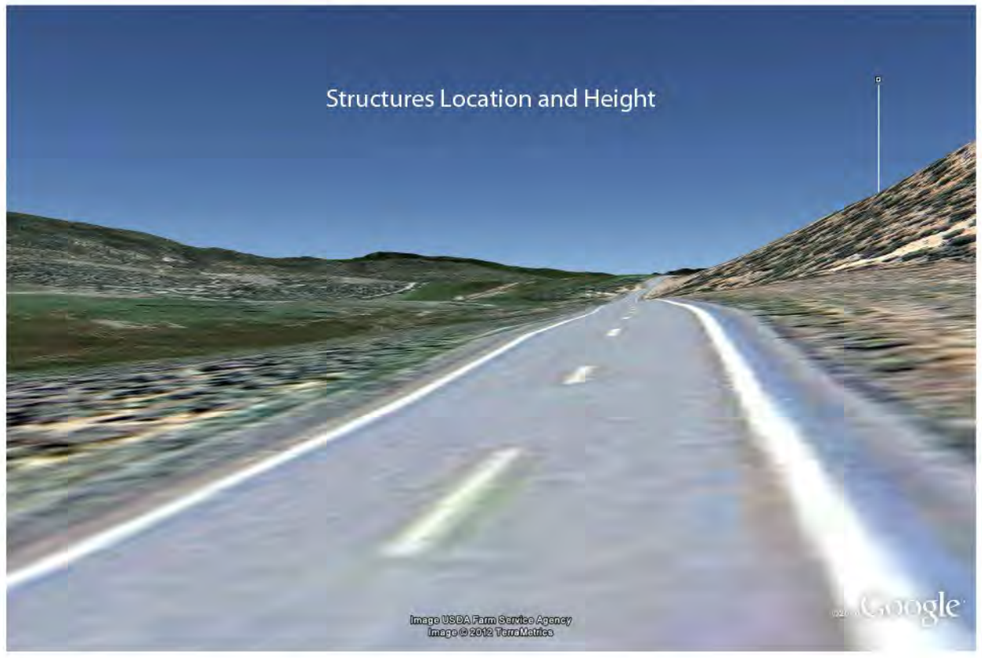
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-13
Simulated Condition
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

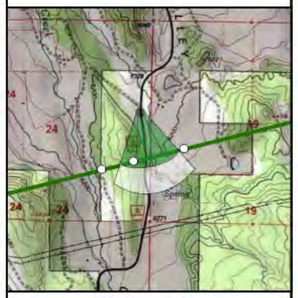
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

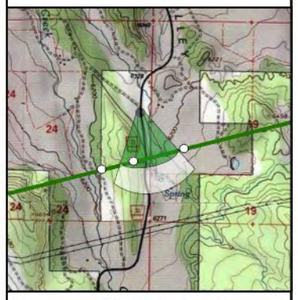
0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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

Project Location



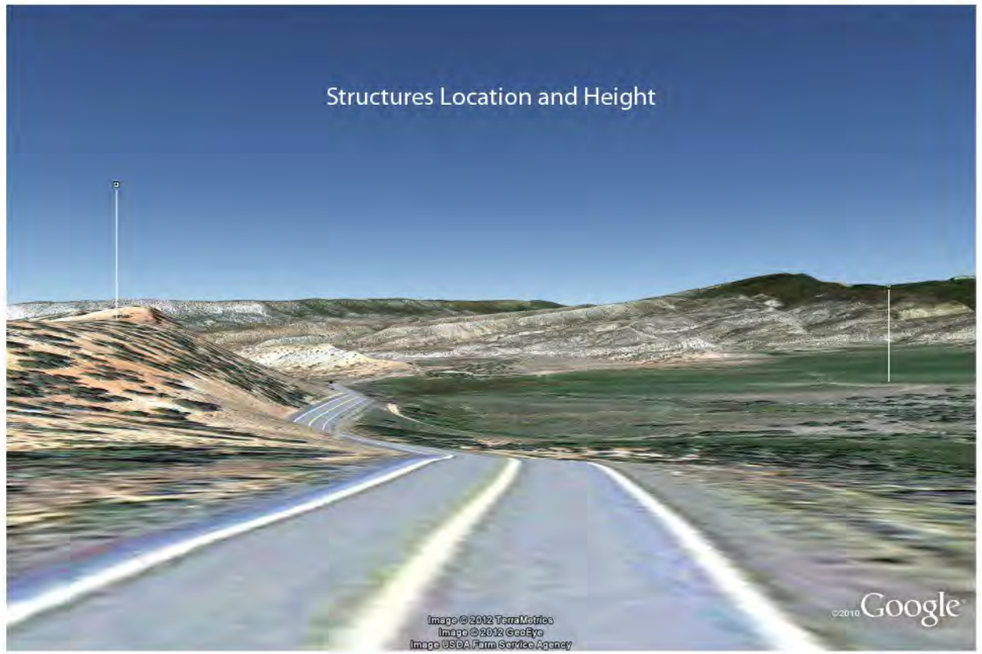
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-14
Simulated Condition
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
Rich-15

3. VRM Class
USFS SIO High

4. Location Gooseberry-Fremont Scenic Backway
Township 22S
Range 1E
Section 25

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

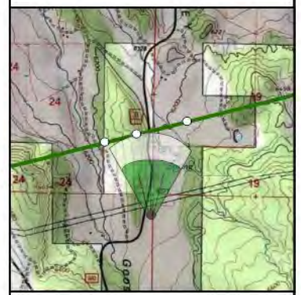
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rounded mountains and prominent planar valley floor.	Clump of homestead trees, shrubs and grasses. Planar cropland.	Planar roadway and planar steel lattice tower.
LINE	Horizontal valley floor and curvilinear and angular mountains.	Amorphous tree and shrub pattern edges. Rectilinear cropland.	Curvilinear paved roadway and vertical and horizontal tower.
COLOR	Light to medium reddish tan and brown soil.	Light to medium to dark green trees cropland, shrubs and grasses.	Light to medium grey road and light grey towers.
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-16
Interstate 70
(southbound)
(Segment 330.1)

Western Area Power Administration

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

Project Location

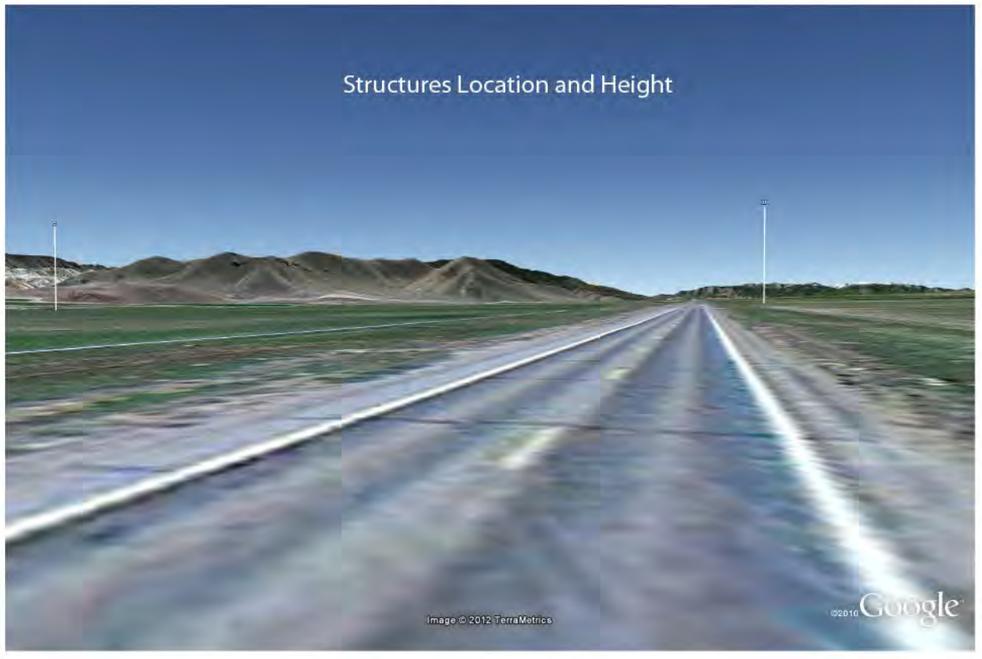
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
Rich-18

3. VRM Class
IV

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

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

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

Project Location

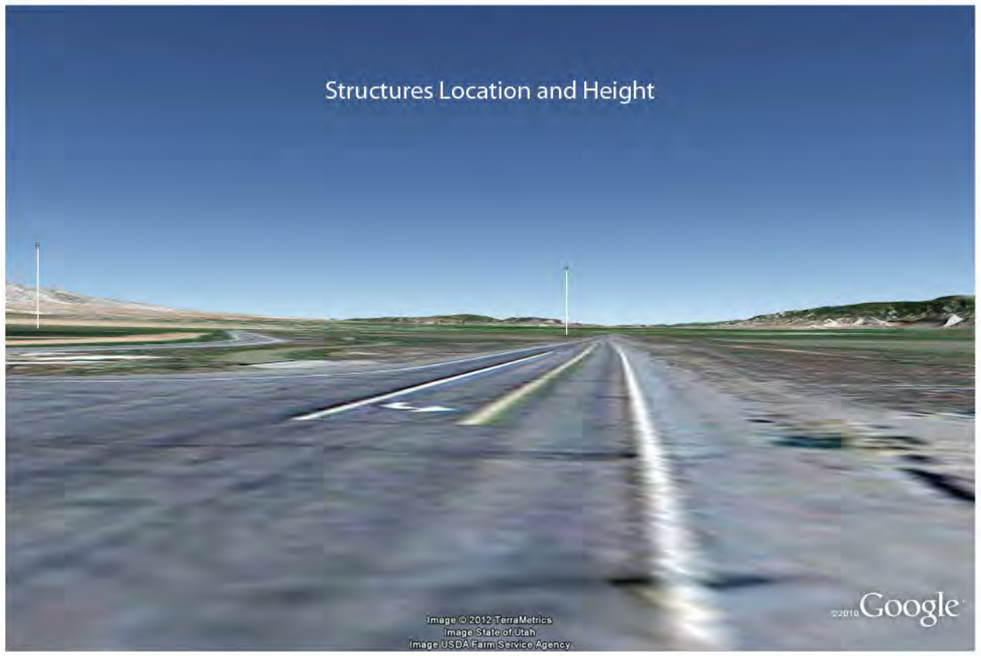
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name TransWest Express	**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.
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												2. Does project design meet visual resource management objectives? ☑ Yes ☐ No (Explain on reverse side)
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)				
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)
Elements	Form										X			Evaluator's Names: M. Paulson — Date: 07/22/2011
	Line										X			
	Color										X			
	Texture													

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

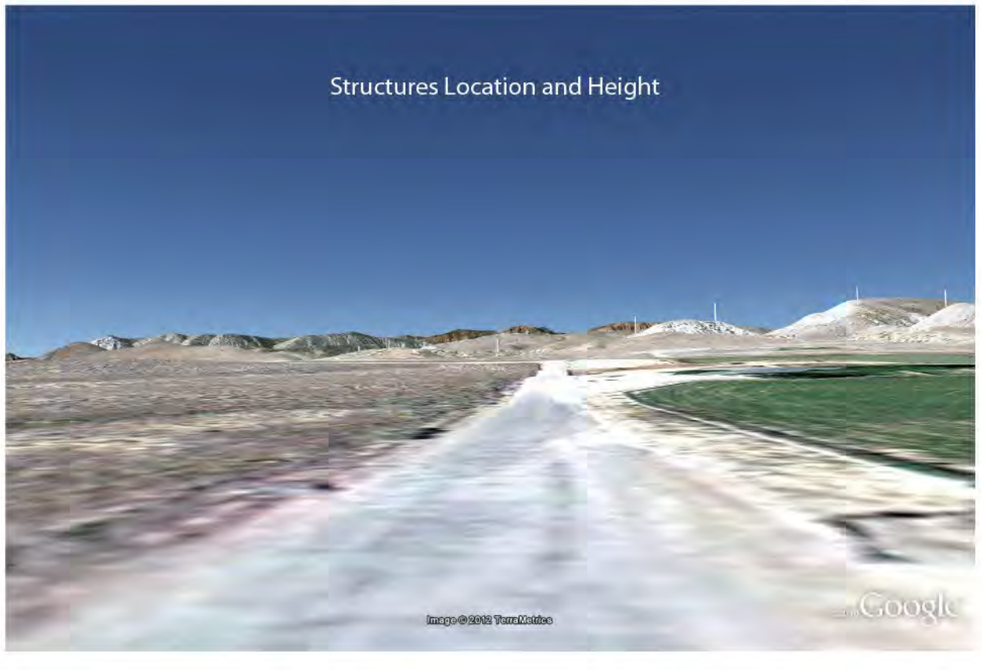
Feet
0 1,450 2,900 5,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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

KOP Photograph



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
Rich-20

3. VRM Class
IV

4. Location Aurora
Residential Road
Township 22S
Range 1W
Section 6

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

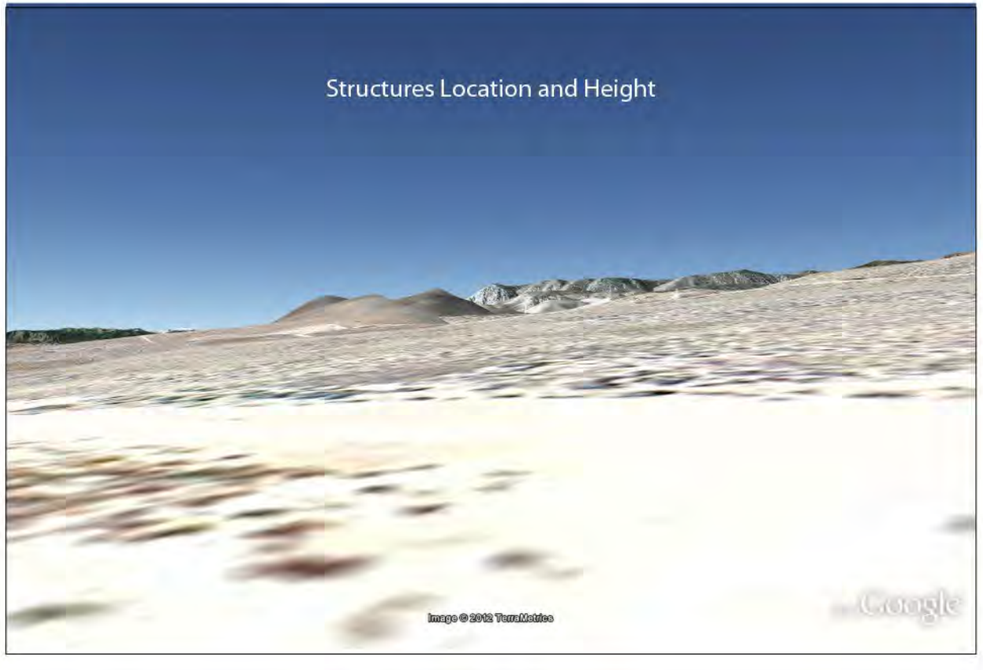
KOP Location

0 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-20
Aurora Residential Road
(Segment 330.1)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1)				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 2,250 4,500 9,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-21
Aurora Recreation Road
(Segment 330.1)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

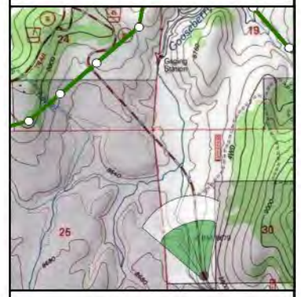
3. **Additional mitigating measures recommended** ☑ Yes ☐ No **(Explain on reverse side)**

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

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

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

Project Location



KOP Location

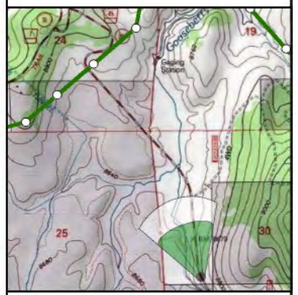
0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 22
Energy Loop
Scenic Byway
(Segment 217.15)

Project Location



KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 22
Simulated Condition
(Segment 217.15)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

Project Location

KOP Location

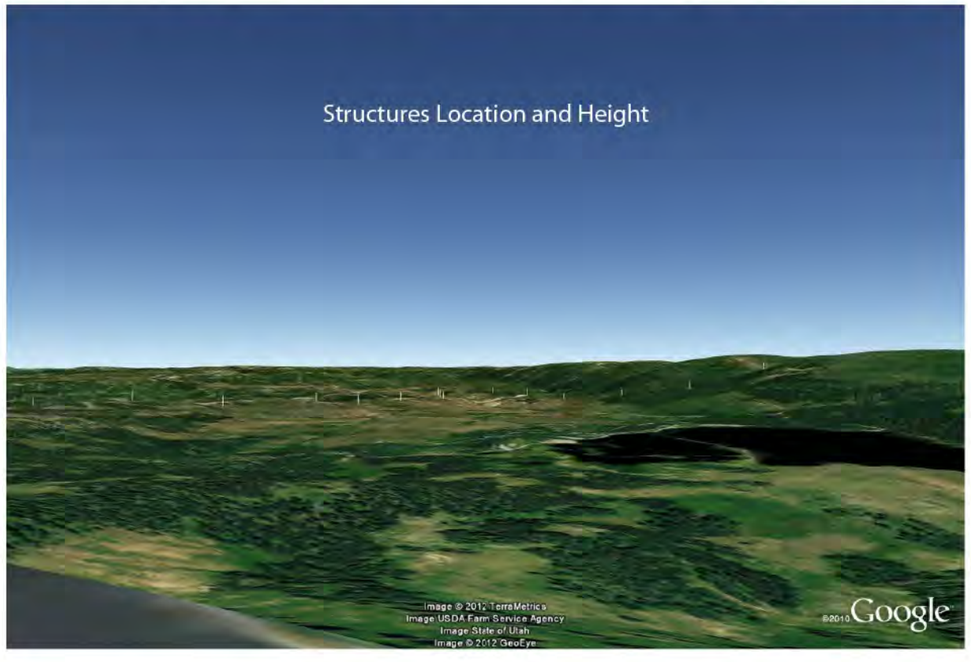
Feet
0 1,900 3,800 7,600

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 23
Fairview Lakes
Residential
(Segment 217.15)

Western Area Power Administration



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-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, grays, blue	Vivid, greens, tans, seasonal variety	Greens, browns, whites
TEX-TURE	Fine to medium grain	Medium to coarse grain	Medium grain, sparse density

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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

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

Project Location

KOP Location

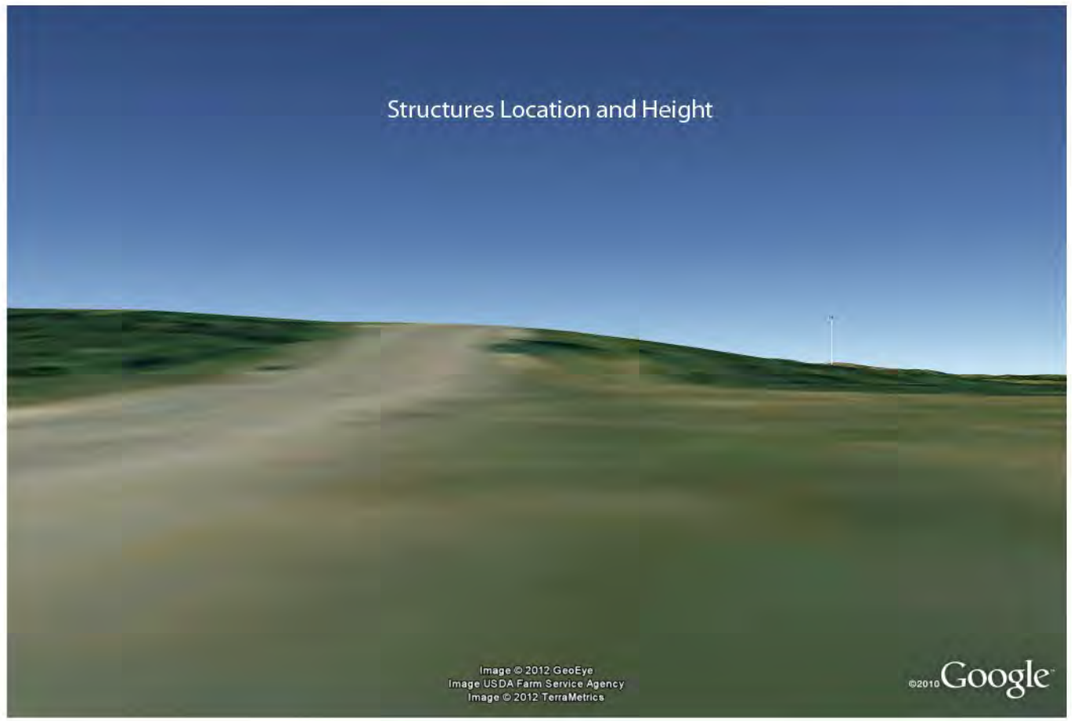
Feet
0 4,450 8,900 17,800

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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

Western Area Power Administration



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

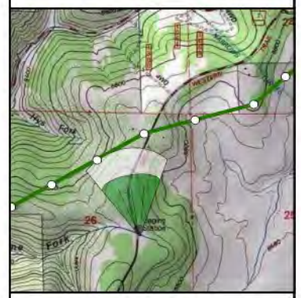
3. **Additional mitigating measures recommended** ☐ Yes ☐ No **(Explain on reverse side)**

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

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

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

Project Location



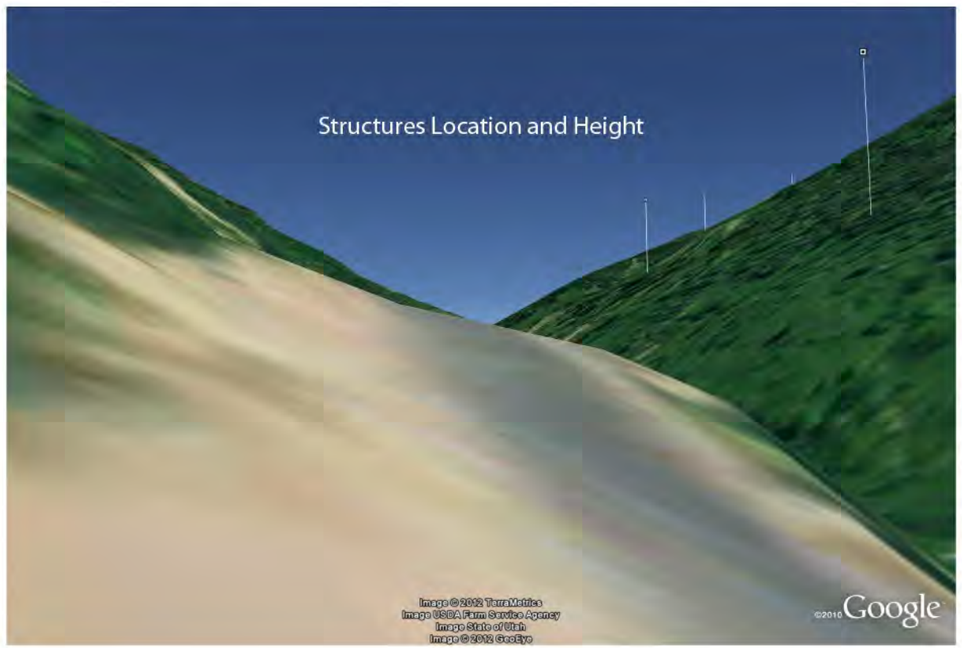
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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



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, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine grain	Coarse steel lattice structures, and smooth guys and conductors.

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

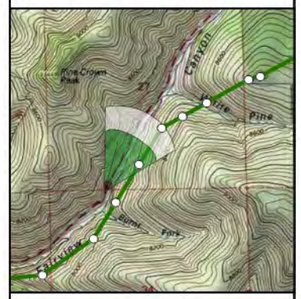
2. Does project design meet visual resource management objectives? ☐ Yes ☑ No (Explain on reverse side)
3. Additional mitigating measures recommended ☑ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

0 1,400 2,800 5,600 Feet

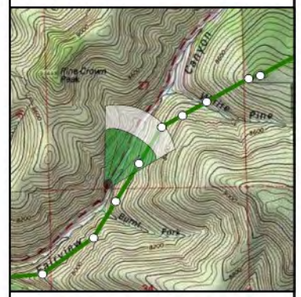
N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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

Western Area Power Administration

Project Location



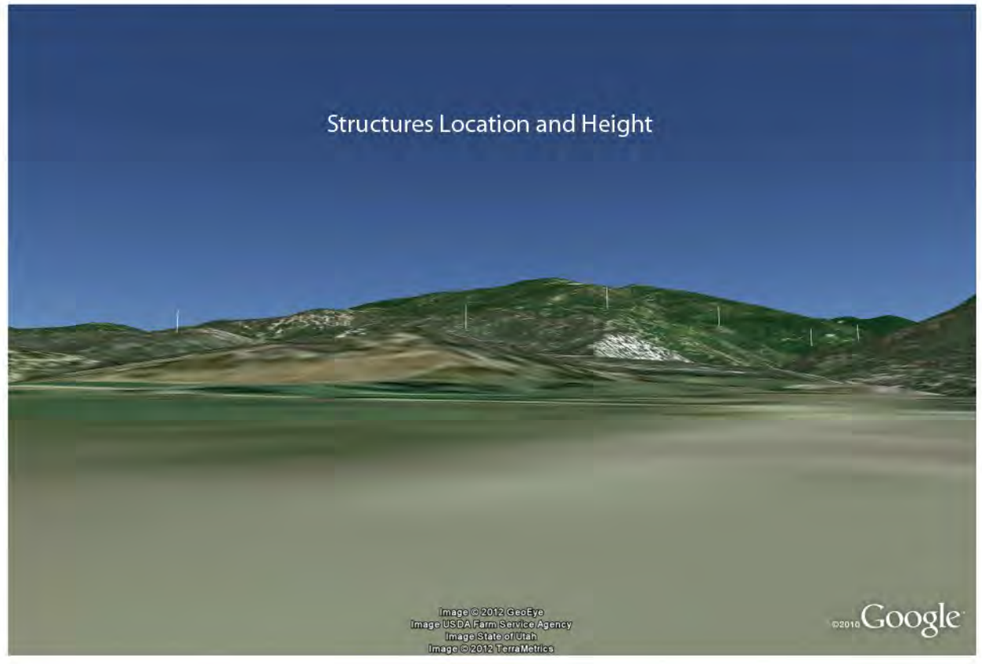
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich 26
Simulated Condition
(Segment 217.15)



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
Rich-27

3. VRM Class
NA

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, gray-green	Light silver to dark gray steel lattice structures, guys, and conductors.
TEX-TURE		Fine to medium grain	Coarse steel lattice structures, and smooth guys and conductors.

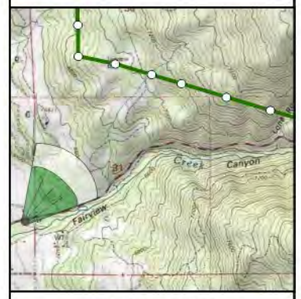
SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES												2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side)	
		LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)					
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)	
Elements	Form		X			X				X				Evaluator's Names	Date
	Line		X			X					X			EPG	9/26/11
	Color			X			X			X				(Review and update as	
	Texture		X				X				X			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 217.15)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

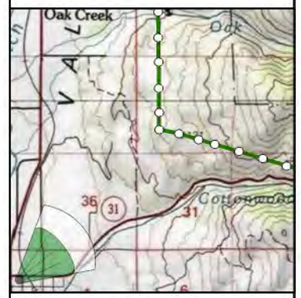
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names	Date
EPG	9/26/11
(Review and update as needed by M. Paulson)	7/24/12

Rationale:

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

Project Location



KOP Location

0 3,000 6,000 12,000 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-28
Fairview Residential
(Segment 217.15)

KOP Photograph

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: NA
4. Location: Milburn residential
   Township 13S
   Range 4E
   Section 11
5. Location Sketch: Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names	Date
EPG (Review and update as needed by M. Paulson)	9/26/11
	7/24/12

Rationale:

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

Project Location

KOP Location

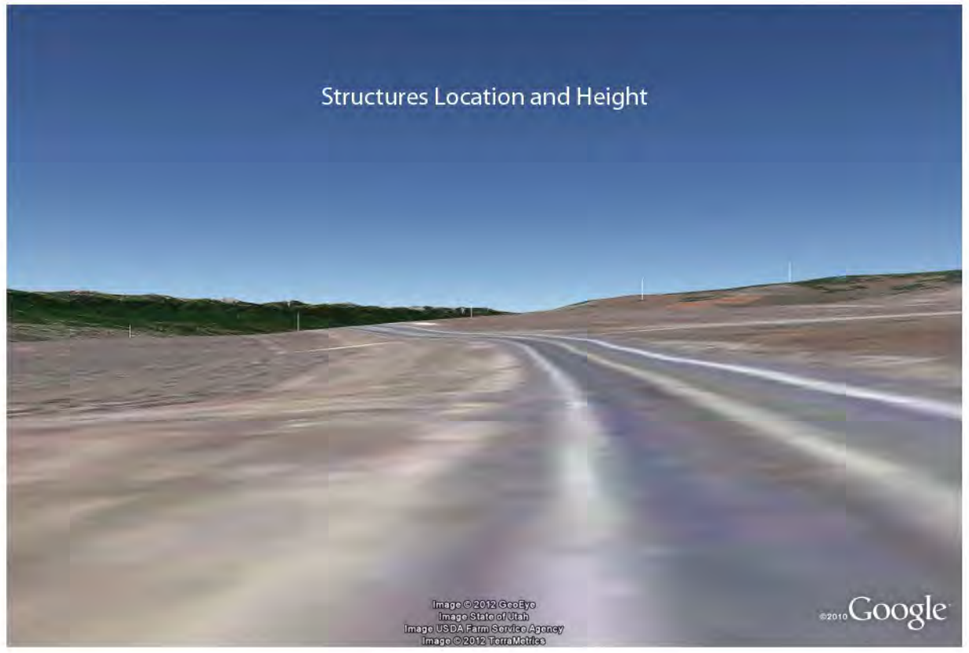
Feet
0 3,300 6,600 13,200

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP Rich-29
Milburn Residential
(Segment 217.15)

Western Area Power Administration



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

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

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

DEGREE OF CONTRAST		FEATURES: LAND/WATER BODY (1) Strong	Moderate	Weak	None	VEGETATION (2) Strong	Moderate	Weak	None	STRUCTURES (3) 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)**

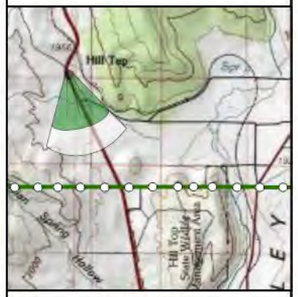
3. **Additional mitigating measures recommended** ☐ Yes ☐ No **(Explain on reverse side)**

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



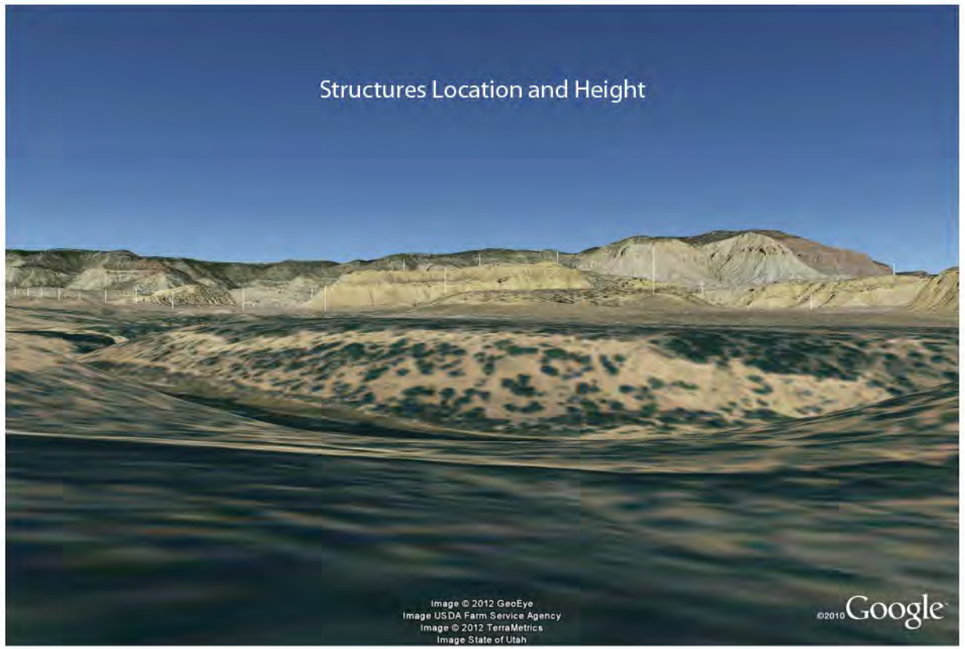
KOP Location

0 3,300 6,600 13,200 Feet

N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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



Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
Rich-31

3. VRM Class
Class IV

4. Location Utah SH 10 NB – Saleratus Benches
Township 23S
Range 05E
Section 14

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

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

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

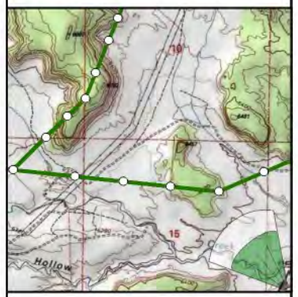
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

Feet
0 1,650 3,300 6,600

N
W E
S

TRANSWEST EXPRESS TRANSMISSION PROJECT

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