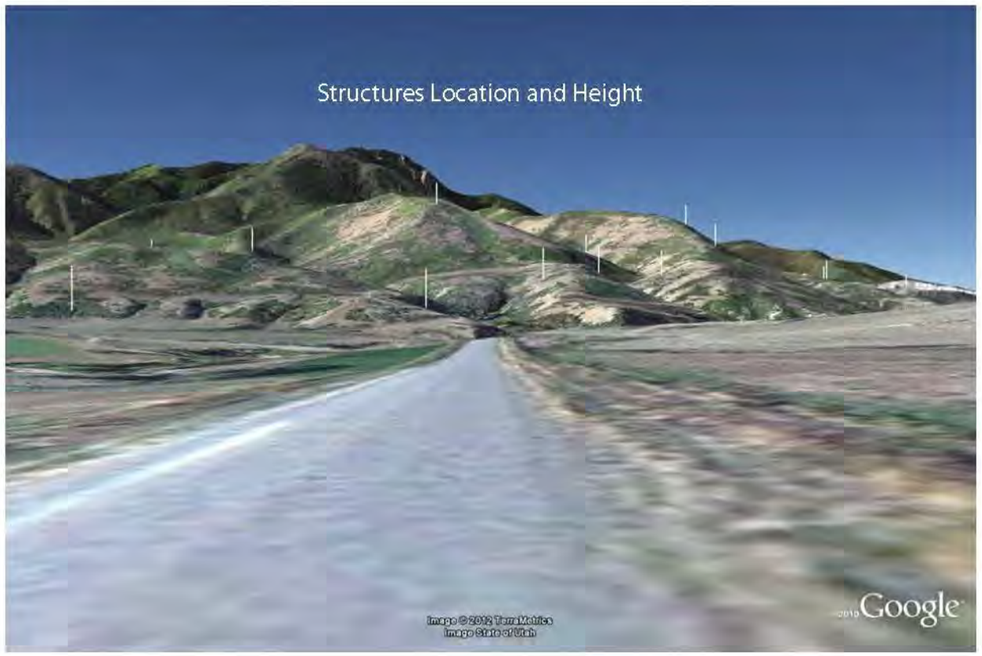
# KOP Figures




Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

## SECTION A. PROJECT INFORMATION

**1. Project Name**
TransWest Express

**2. Key Observation Point**
F-1

**3. VRM Class**
IV

**4. Location** Nebo Loop Scenic Byway
**Township** 13S
**Range** 2E
**Section** 5

**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 planar valley floor. | Scattered clumps of conifers, shrubs and grasses. | Prominent steel lattice tower, wood poles, planar roadway and ranch structures. |
| LINE | Curvilinear and angular mtn. ridges and horizontal valley floor. | Irregular tree and shrub pattern edges. | Horizontal roadways. |
| COLOR | Light to medium reddish tan rock formations. | Light to medium to dark green trees, shrubs and grasses. | Dark grey lattice, light to medium poles, light to medium grey roadways and buildings. |
| TEX. TURE | Smooth to medium landforms. | Smooth, moderate and coarse. | Smooth to medium to course lattice. |

## 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** 07/27/2011

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

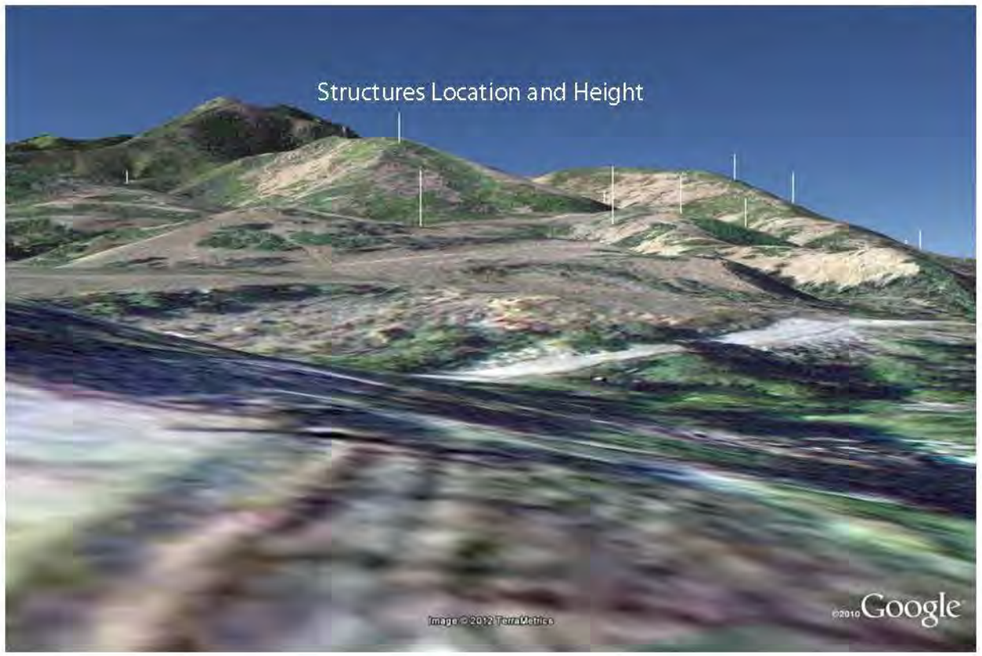
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-1
Nebo Loop Scenic Byway
(Segment 1320.2)




Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

## SECTION A. PROJECT INFORMATION

**1. Project Name**
TransWest Express

**2. Key Observation Point**
F-2

**3. VRM Class**
IV

**4. Location** Big Mountain Campground RV-Park
**Township** 13S
**Range** 2E
**Section** 5

**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 planar valley floor. | Scattered clumps of trees, shrubs and grasses. | Prominent sign, wood poles, and planar roadway. |
| LINE | Curvilinear and angular mtn. ridges and horizontal valley floor. | Irregular tree and shrub pattern edges. | Horizontal roadway and vertical post and poles. |
| COLOR | Light to medium reddish tan rock formations. | Light to medium to dark green trees, shrubs and grasses. | Colorful sign, light to medium poles, and light to medium grey roadway. |
| 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** 07/27/2011

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 F-2
Big Mountain
Campground RV-Park
(Segment 1320.2)

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(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

## SECTION A. PROJECT INFORMATION

1. **Project Name** TransWest Express
2. **Key Observation Point** F-3
3. **VRM Class** III
4. **Location** Utah SH-132 (WB)
   **Township** 13S
   **Range** 2E
   **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 narrow valley floor. | Scattered clumps of trees, shrubs and grasses. | Prominent planar roadway. |
| LINE | Curvilinear and angular mtn. ridges and inclined valley floor. | Irregular tree and shrub pattern edges. | Horizontal and curvilinear roadway. |
| COLOR | Light to medium reddish tan and grey rock formations. | Light to medium to dark green trees, shrubs and grasses. | Light to medium grey roadway. |
| TEX-TURE | Smooth to medium landforms. | Smooth, moderate and coarse. | Smooth to medium roadway. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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 visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, VR-6, and VR-7) would further reduce contrasts.

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

Project Location

KOP Location

0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-3
Utah SH-132
(westbound)
(Segment 1340)

Western Area Power Administration

Project Location

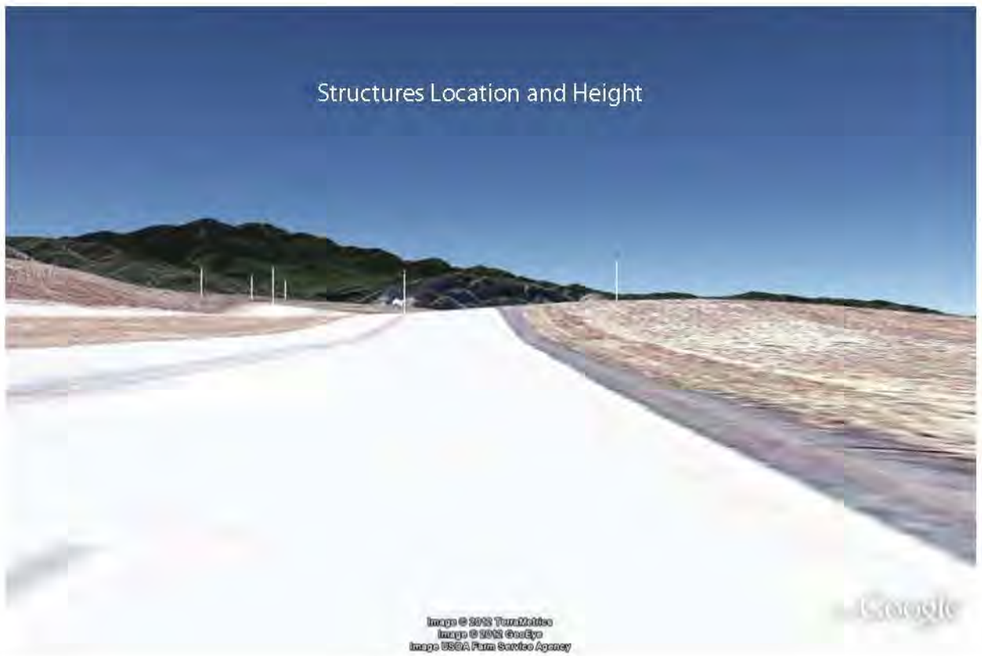
KOP Location

Feet
0 1,450 2,900 5,800

N
W E
S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-3
Simulated Condition
(Segment 1340)




Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/18/2011
District Fillmore FO
Resource Area
Activity (program)

**SECTION A. PROJECT INFORMATION**

1. Project Name: TransWest Express
2. Key Observation Point: F-4
3. VRM Class: III
4. Location: I-15 (SB)
   Township 13S
   Range 1E
   Section 17
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 narrow valley floor. | Scattered clumps of trees, shrubs and grasses. | Prominent planar roadway. |
| LINE | Curvilinear and angular mtn. ridges and inclined valley floor. | Irregular tree and shrub pattern edges. | Horizontal and curvilinear roadway. |
| COLOR | Light to medium reddish tan and grey rock formations. | Light to medium to dark green trees, shrubs and grasses. | Light to medium grey roadway. |
| TEXTURE | Smooth to medium landforms. | Smooth, moderate and coarse. | Smooth to medium roadway. |

**SECTION C. PROPOSED ACTIVITY DESCRIPTION**

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

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

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

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

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

Evaluator's Names: M. Paulson
Date: 07/27/2011

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

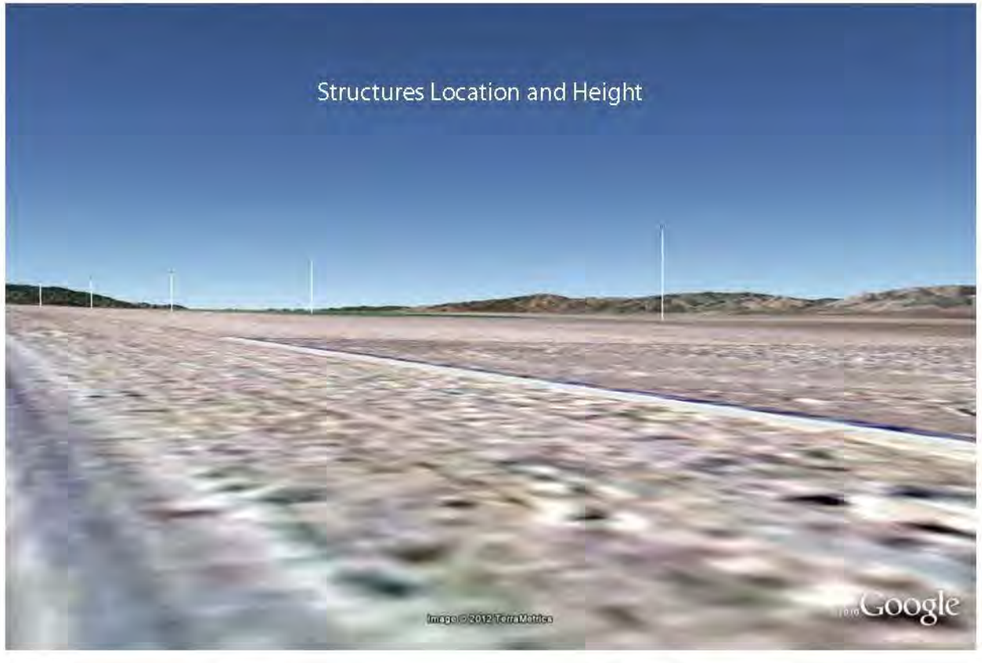
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-4
Interstate 15
(southbound)
(Segment 1340)

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 Fillmore FO
Resource Area
Activity (program)

**SECTION A. PROJECT INFORMATION**

1. Project Name: TransWest Express
2. Key Observation Point: F-5
3. VRM Class: III
4. Location: Utah SH-41 (SB)
   Township: 12S
   Range: 1E
   Section: 17
5. Location Sketch: Please see Figure 3.12-2

**SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION**

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Background rounded mountains and narrow valley floor. | Scattered clumps of deciduous trees, shrubs and grasses. | Cylindrical poles and residential structures. |
| LINE | Curvilinear and angular mtn. ridges and planar valley floor. | Irregular tree and shrub pattern edges. | Vertical poles and horizontal and vertical structures. |
| COLOR | Light to medium reddish tan and grey rock formations. | Light to medium to dark green trees, shrubs and grasses. | Medium to dark brown poles and structures. |
| 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: 07/27/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, VR-6, and VR-7) would further reduce contrasts.

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

Project Location

KOP Location

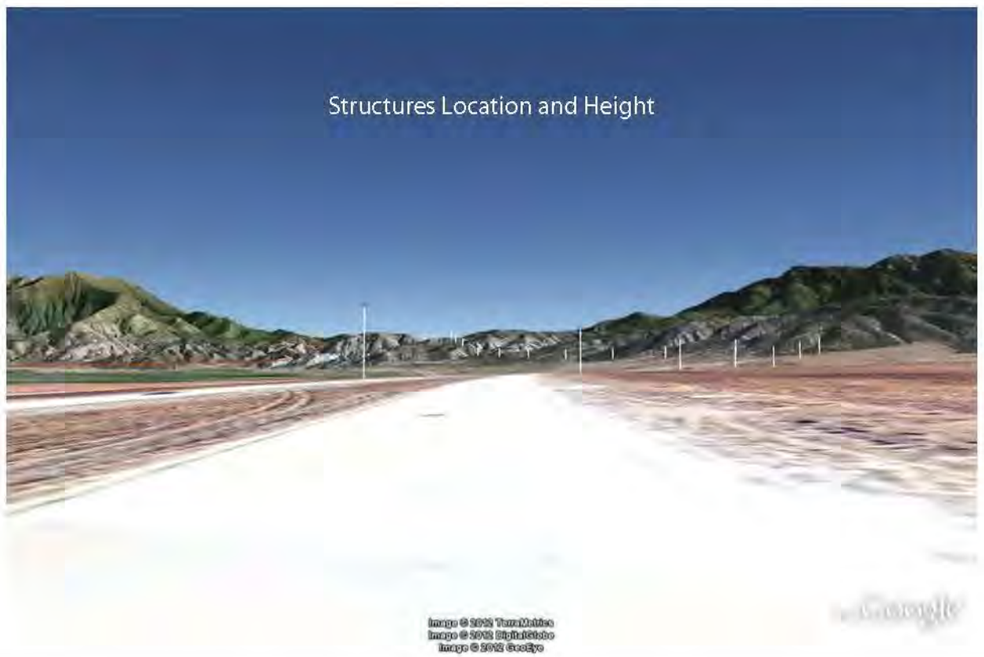
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-5
Utah State Hwy 41
(southbound)
(Segment 1340)

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 Fillmore FO
Resource Area
Activity (program)

## SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: F-6
3. VRM Class: IV (VRI Class III)
4. Location: I-15 (NB); Township 13S; Range 1E; Section 19
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 wide valley floor. | Blanket and scattered clumps of pinyon-juniper, shrubs and grasses. | Cylindrical poles and planar roadway lanes. |
| LINE | Curvilinear and angular mtn. ridges and inclined planar valley floor. | Irregular tree and shrub pattern edges. | Vertical poles and horizontal roads. |
| COLOR | Light to medium reddish tan and grey rock formations. | Light to medium to dark green trees, shrubs and grasses. | Medium to dark brown poles and light to medium grey roads. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

Evaluator's Names: M. Paulson
Date: 07/27/2011

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

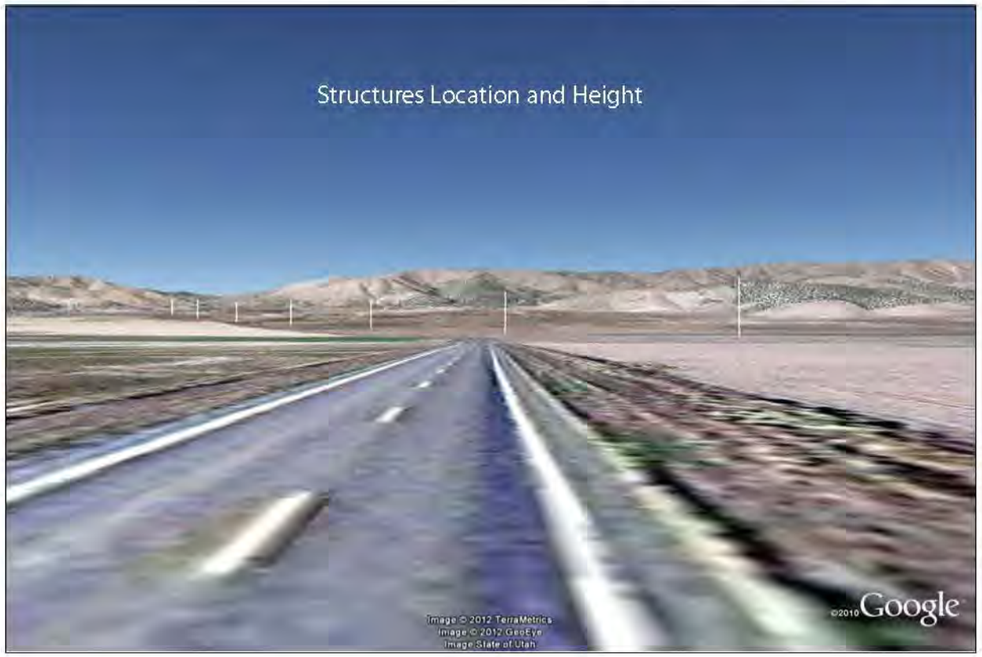
KOP Location

0 1,400 2,800 5,600 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-6
Interstate 15
(northbound)
(Segment 1350)




Form 8400-4
(September 1985)

**UNITED STATES**
**DEPARTMENT OF THE INTERIOR**
**BUREAU OF LAND MANAGEMENT**

**VISUAL CONTRAST RATING WORKSHEET**

**Date** 08/18/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

**SECTION A. PROJECT INFORMATION**

1. **Project Name** TransWest Express
2. **Key Observation Point** F-7
3. **VRM Class** III
4. **Location** Utah SH-132 (WB)
   **Township** 13S
   **Range** 1W
   **Section** 1
5. **Location Sketch** Please see Figure 3.12-2

**SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION**

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Background rounded mountains and wide valley floor. | Blanket and scattered clumps of pinyon-juniper, shrubs and grasses. | Cylindrical poles, planar road, and cubed ranch structures. |
| LINE | Curvilinear and angular mtn. ridges and planar valley floor. | Irregular tree and shrub pattern edges. | Vertical poles, horizontal road, and horizontal and vertical structures. |
| COLOR | Light to medium reddish tan landforms | Light to medium to dark green trees, shrubs and grasses. | Medium to dark brown poles and grey road and structures. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to medium. |

**SECTION C. PROPOSED ACTIVITY DESCRIPTION**

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

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

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

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

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

**Evaluator's Names** M. Paulson **Date** 08/18/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, VR-6, and VR-7) would further reduce contrasts.

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

Project Location

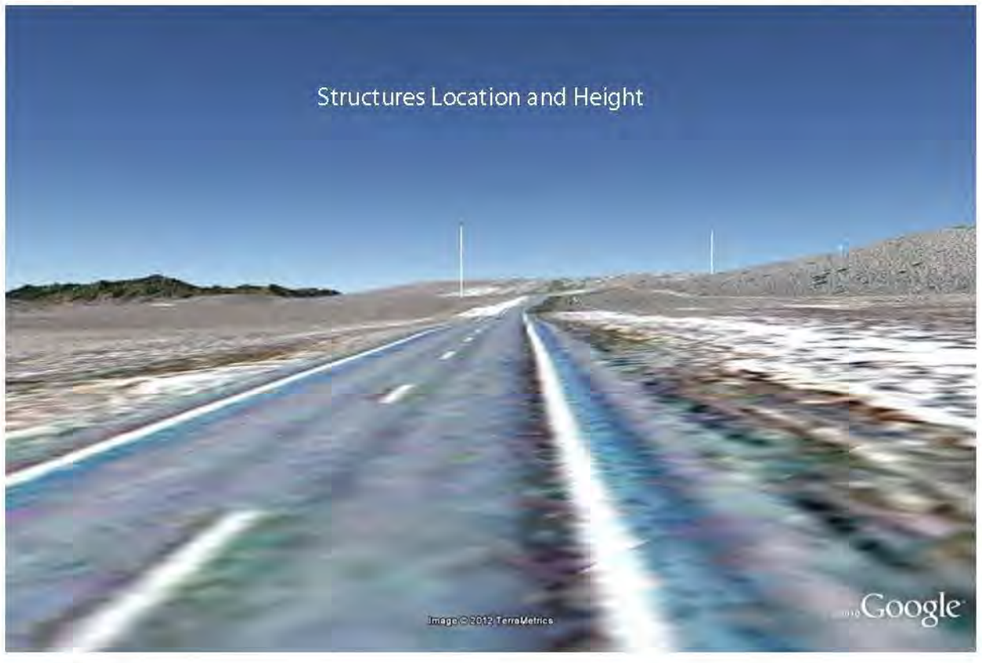
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-7
Utah State Hwy 132
(westbound)
(Segment 1340)




Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 08/18/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

1. **Project Name**
TransWest Express

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

3. **VRM Class**
IV

4. **Location** Utah SH-132 (WB)
**Township** 13S
**Range** 2W
**Section** 22

5. **Location Sketch**
Please see Figure 3.12-2

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Angular ridges. | Blanket and scattered clumps of pinyon-juniper, shrubs and grasses. | Planar road. |
| LINE | Curvilinear and angular mtn. ridges and planar valley floor. | Irregular tree and shrub pattern edges. | Horizontal road. |
| COLOR | Light to medium reddish tan landforms. | Light to medium to dark green trees, shrubs and grasses. | Medium grey road. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

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

**Evaluator's Names** M. Paulson
**Date** 08/18/2011

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

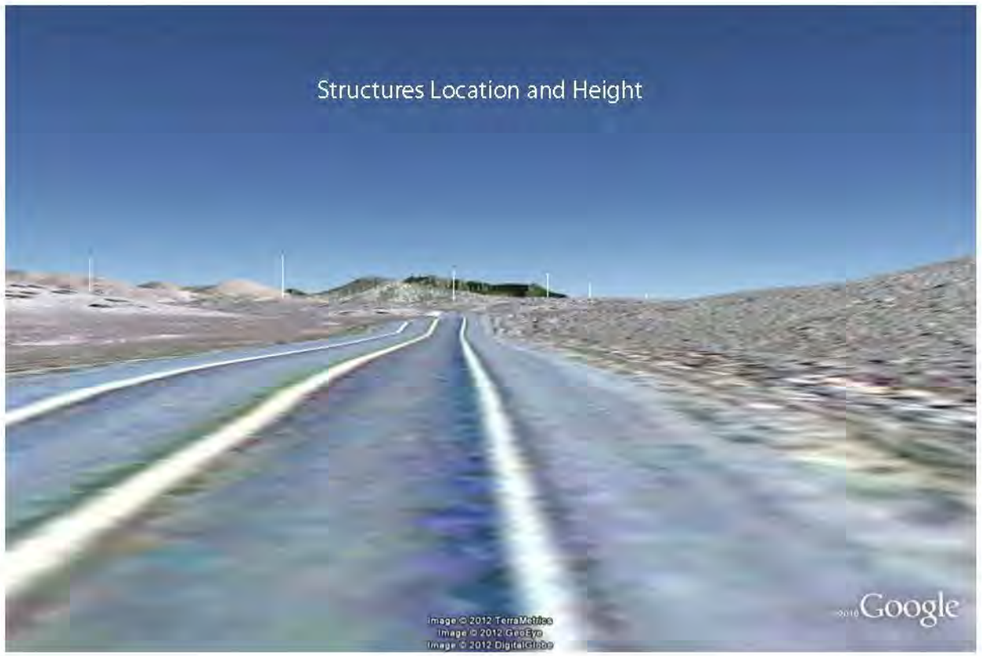
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-8
Utah State Hwy 132
(westbound)
(Segment 1360)




Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 08/18/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

1. **Project Name** TransWest Express
2. **Key Observation Point** F-9
3. **VRM Class** IV
4. **Location** Utah SH-132 (EB)
   **Township** 13S
   **Range** 2W
   **Section** 29
5. **Location Sketch** Please see Figure 3.12-2

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Angular ridges. | Blanket and scattered clumps of pinyon-juniper, shrubs and grasses. | Planar road. |
| LINE | Curvilinear and angular mt. ridges and planar valley floor. | Irregular tree and shrub pattern edges. | Horizontal road. |
| COLOR | Light to medium grey and tan landforms. | Light to medium to dark green trees, shrubs and grasses. | Medium grey road. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

**Evaluator's Names** M. Paulson **Date** 08/18/2011

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

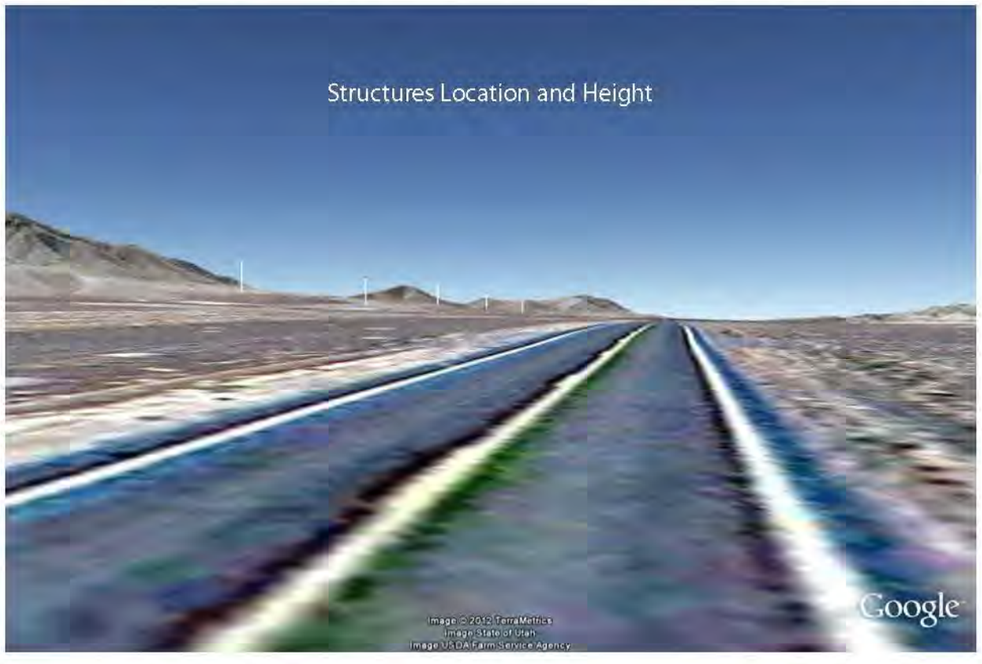
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-9
Utah State Hwy 132
(eastbound)
(Segment 1360)

Western Area Power Administration

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 08/18/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

| | | |
|---|---|---|
| **1. Project Name** TransWest Express | **4. Location** US-6 (WB) | **5. Location Sketch** |
| **2. Key Observation Point** F-10 | **Township** 13S | Please see Figure 3.12-2 |
| **3. VRM Class** III | **Range** 4W | |
| | **Section** 23 | |

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Angular ridges. | Planar pipeline ROW, clumps and blankets, of shrubs and grasses. | Planar road and fenceline. |
| LINE | Curvilinear and angular mtn. ridges and planar valley floor. | Linear ROW and indistinct shrub and grass pattern edges. | Horizontal road and fenceline. |
| COLOR | Light to medium tan and brown landforms. | Light to medium to dark green ROW and light to medium tan shrubs and grasses. | Medium grey road and dark brown fenceposts. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

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

**Evaluator's Names** M. Paulson **Date** 08/18/2011

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 F-10
U.S. 6
(westbound)
(Segment 1360)

Project Location

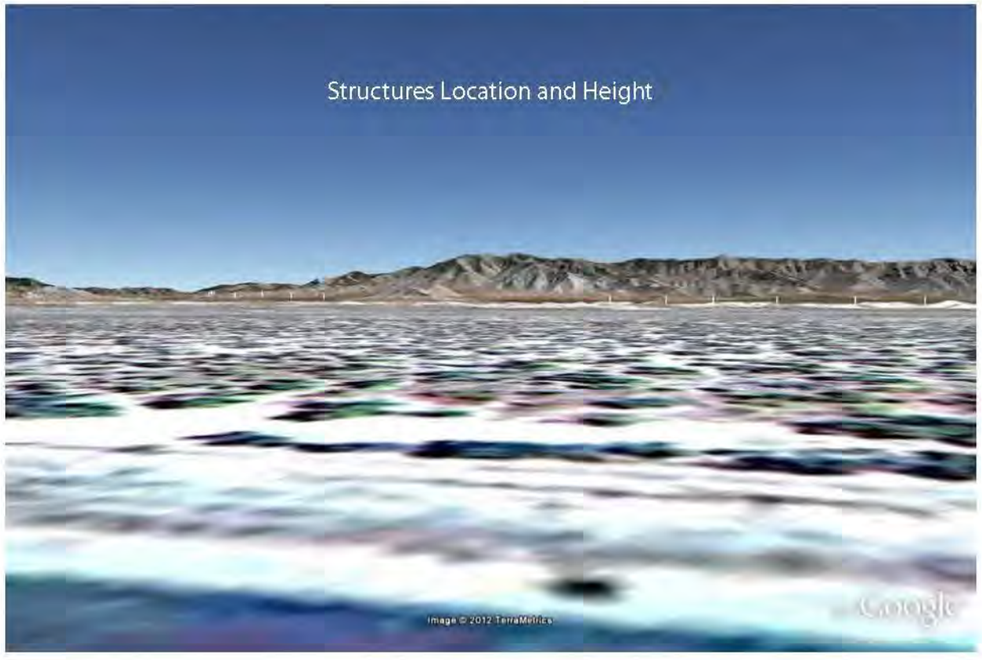
KOP Location

0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-10
Simulated Condition
(Segment 1360)

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BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 08/18/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

**1. Project Name**
TransWest Express

**2. Key Observation Point**
F-11

**3. VRM Class**
III (VRI Class III)

**4. Location** Little Sahara Rec. Area Road
**Township** 13S
**Range** 5W
**Section** 26

**5. Location Sketch**
Please see Figure 3.12-2

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Angular ridges, rolling dunes, and planar valley floor | Clumps and blankets of sagebrush and grasses. Blankets of pinyon-juniper in background. | |
| LINE | Curvilinear dunes, and angular mtn. ridges and planar valley floor. | Indistinct shrub and grass pattern edges. | |
| COLOR | Very light to medium tan landforms. | Light to medium silver green sagebrush and light tan grasses. | |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

| DEGREE OF CONTRAST | | FEATURES: LAND/WATER BODY (1) 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** 08/18/2011

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

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

Project Location

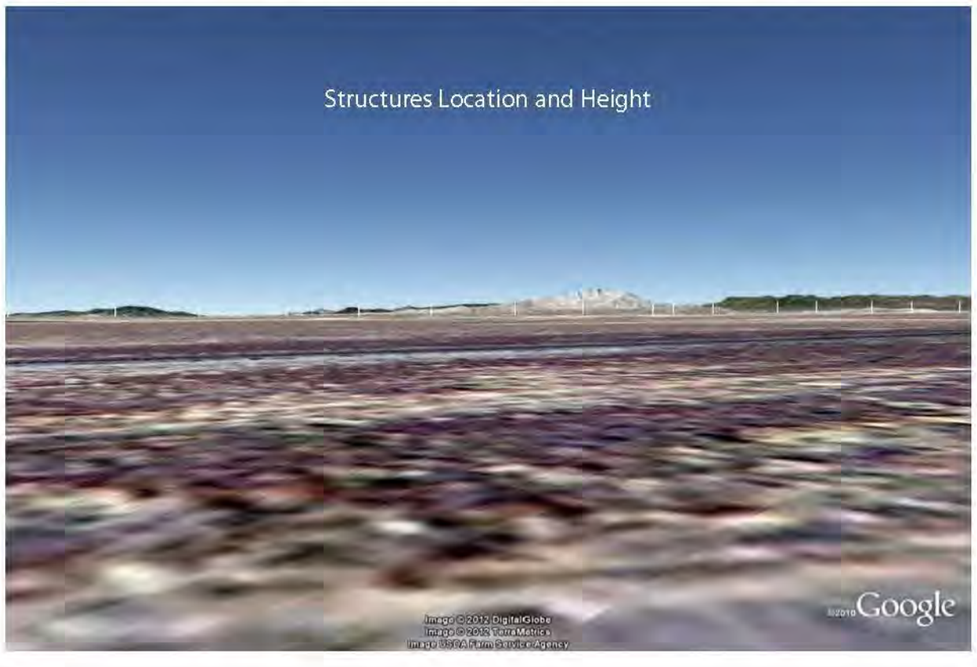
KOP Location

Feet
0 4,000 8,000 16,000

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-11
Little Sahara
Recreation Area Road
(Segment 1360)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 08/18/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

**1. Project Name**
TransWest Express

**2. Key Observation Point**
F-12

**3. VRM Class**
III

**4. Location** US-6 View Northwest
**Township** 14S
**Range** 5W
**Section** 36

**5. Location Sketch**
Please see Figure 3.12-2

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Angular ridges, rolling dunes, and planar valley floor | Clumps of grasses and shrubs and blanket of grasses. Band of pinyon-juniper in foreground and blanket of pinyon-juniper in background. | Planar railroad bed and fencelines. |
| LINE | Curvilinear dunes, and angular mtn. ridges and planar valley floor. | Indistinct shrub and grass pattern edges. | Horizontal railroad bed, conductors and vertical fenceposts. |
| COLOR | Very light to medium tan landforms | Light to medium tan and brown grasses. Light olive green veg in immediate foreground. | Medium to dark grey railroad bed and conductors. Dark brown rails and fence posts. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to coarse structures. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

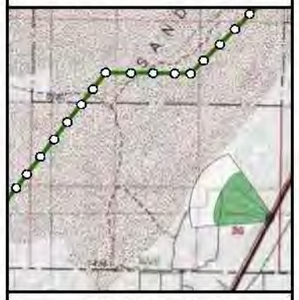
**3. Additional mitigating measures recommended** ☐ Yes ☐ No (Explain on reverse side)

**Evaluator's Names** M. Paulson
**Date** 08/18/2011

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



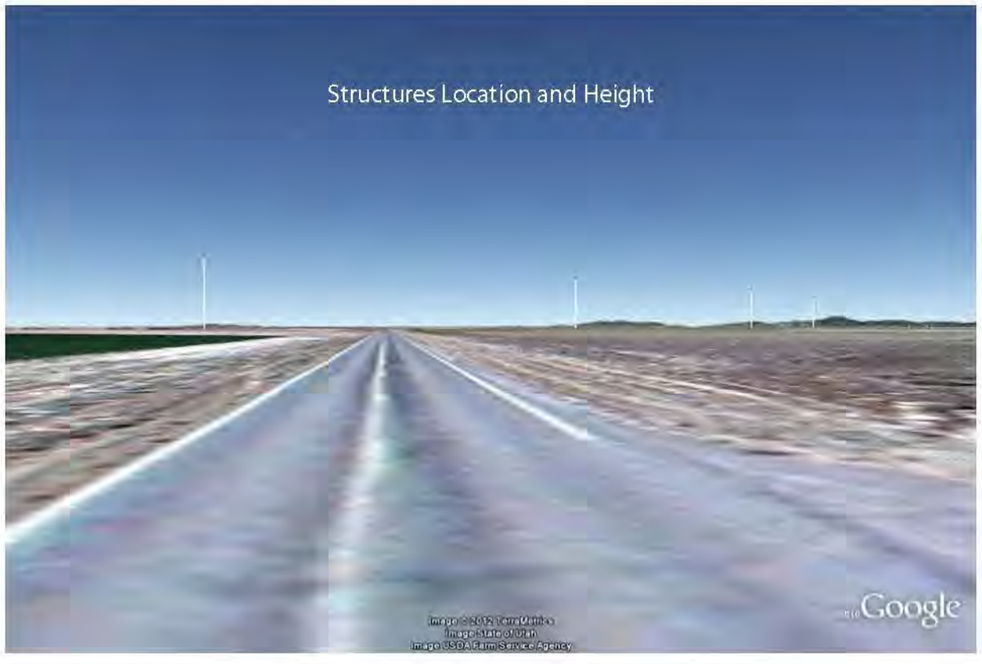
KOP Location

0 3,450 6,900 13,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-12
U.S. 6
(northwest)
(Segment 1360)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 11/12/2011
District Fillmore FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
F-13

3. VRM Class
IV

4. Location US-6 (SB)
Township 15S
Range 5W
Section 14

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar valley floor | Planar grasses and clumps of shrubs. | Cubed building, pyramidal transmission line structures, and cylindrical poles. |
| LINE | Horizontal line of valley floor. | Indistinct shrub and grass pattern edges. | Vertical and horizontal building, vertical poles and T-line structures. |
| COLOR | Very light to medium tan landform. | Light to medium tan and brown grasses. Light olive green veg in immediate foreground. | Light tan to medium brown structure, grey T-lines and roadway. Dark brown poles and fence posts. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to coarse structures. |

SECTION C. PROPOSED ACTIVITY DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | | | Pyramidal steel lattice structures and guys, and tubular conductors. |
| LINE | | | Vertical steel lattice structures, angular guys, and curvilinear conductors. |
| COLOR | | | Light silver to dark grey steel lattice structures, guys, and conductors. |
| 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: 11/12/2011

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

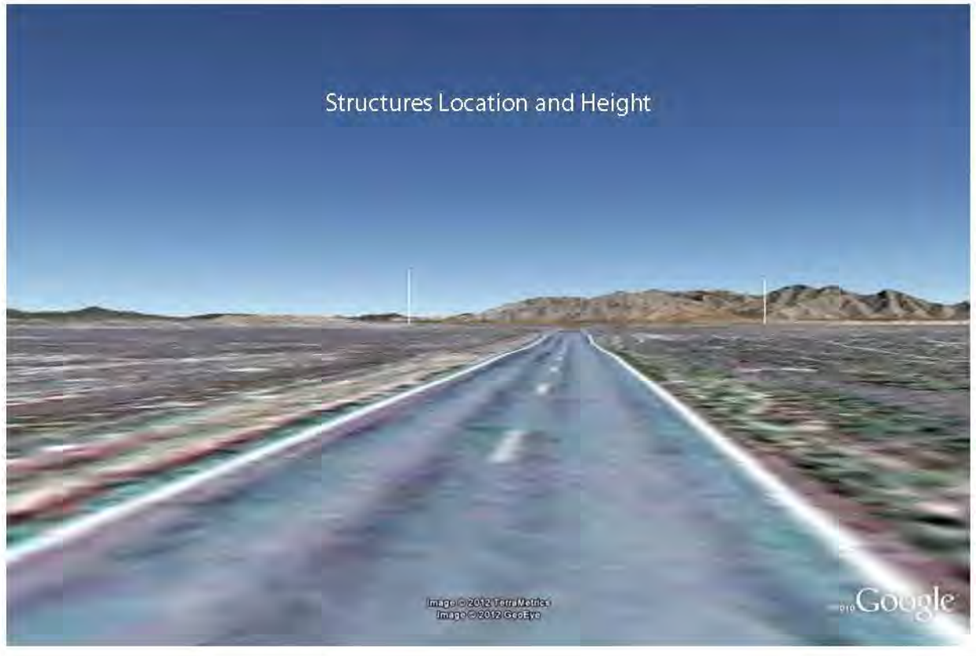
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-13
U.S. 6
(southbound)
(Segment 1380)

Western Area Power Administration

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 11/12/2011

District Fillmore FO

Resource Area

Activity (program)

## SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
F-14

3. VRM Class
IV

4. Location US-6 (NB)
Township 15S
Range 15W
Section 22

5. Location Sketch
Please see Figure 3.12-2

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar valley floor | Clumps of deciduous trees and shrubs. | Cubed building, pyramidal transmission line structures, and cylindrical poles. |
| LINE | Horizontal line of valley floor. | Indistinct trees, shrub and grass pattern edges. | Vertical and horizontal building, vertical poles and t-line structures. |
| COLOR | Very light to medium tan landform. | Light to medium tan and brown trees, shrubs and grasses. | White and light grey structures and grey roadway. Light to medium brown poles and fence posts. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to coarse structures. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | | | Pyramidal steel lattice structures and guys, and tubular conductors. |
| LINE | | | Vertical steel lattice structures, angular guys, and curvilinear conductors. |
| COLOR | | | Light silver to dark grey steel lattice structures, guys, and conductors. |
| 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: 11/12/2011

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 1,400 2,800 5,600

N
W E
S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-14
U.S. 6
(northbound)
(Segment 1380)

Western Area Power Administration

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 08/18/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

**SECTION A. PROJECT INFORMATION**

1. **Project Name** TransWest Express
2. **Key Observation Point** F-15
3. **VRM Class** IV
4. **Location** Utah SH-174 (WB)
   **Township** 15S
   **Range** 6W
   **Section** 29
5. **Location Sketch** Please see Figure 3.12-2

**SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION**

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar valley floor and angular mountains. | Clumps of deciduous trees and shrubs. | Cubed building, inclined conveyer, cylindrical stack, grided substation and pyramidal transmission line structures. |
| LINE | Horizontal line of valley floor and angular lines of mountains. | Indistinct trees, shrub and grass pattern edges. | Vertical and horizontal building and substation, inclined conveyer, vertical T-line structures and fence posts. |
| COLOR | Very light to medium tan landform. | Light to medium tan and brown trees, shrubs and grasses. | Light to medium tans and browns in structure. Light to dark grey stack. Light to medium grey sub & T-line. fence posts. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to coarse structures. |

**SECTION C. PROPOSED ACTIVITY DESCRIPTION**

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

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

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

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

**Evaluator's Names** M. Paulson **Date** 08/18/2011

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 F-15
Utah State Hwy 174
(westbound)
(Segment 1420)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 08/18/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

**1. Project Name**
TransWest Express

**2. Key Observation Point**
F-16

**3. VRM Class**
III

**4. Location** Utah SH-174 (EB)
**Township** 15S
**Range** 8W
**Section** 16

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

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar valley floor and angular mountains in background. | Clumps of deciduous trees and shrubs. | Cubed building, cylindrical stack, and pyramidal transmission line structures. Planar roadways. |
| LINE | Horizontal line of valley floor and angular lines of mountains. | Indistinct tree and shrub pattern edges. | Vertical and horizontal building and substation and vertical T-line structures. Horizontal roadways. |
| COLOR | Very light grey and tan landform. | Medium to dark olive green trees and shrubs. | Light to medium tans in structure. Light to medium grey stack. Light to medium grey T-lines and roadways. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to coarse structures. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

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

**Evaluator's Names** M. Paulson
**Date** 08/18/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, VR-6, and VR-7) would further reduce contrasts.

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

Project Location

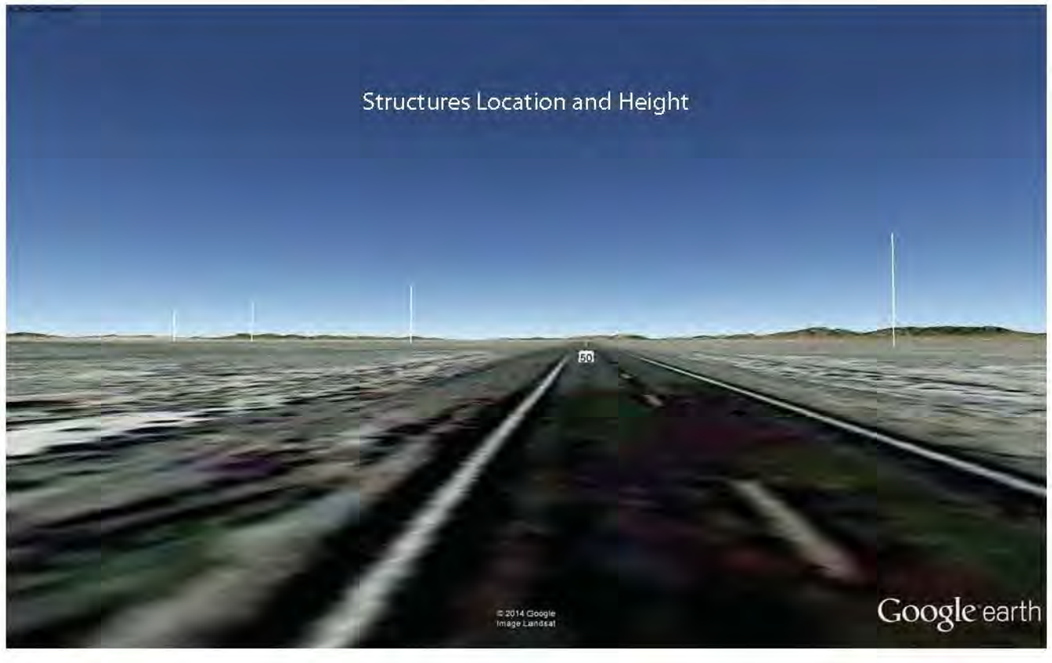
KOP Location

Feet
0 1,400 2,800 5,600

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-16
Utah State Hwy 174
(eastbound)
(Segment 1430)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

**SECTION A. PROJECT INFORMATION**

1. Project Name: TransWest Express
2. Key Observation Point: F-17
3. VRM Class: IV
4. Location: US-50 (WB)
   Township 18S
   Range 9W
   Section 19
5. Location Sketch: Please see Figure 3.12-3

**SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION**

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar valley floor and angular mountains. | Clumps of shrubs and grasses. | Pyramidal and planar transmission line structures. Planar roadway. |
| LINE | Horizontal line of valley floor and angular lines of distant mountains. | Indistinct shrub and grass pattern edges. | Vertical and horizontal T-line structures. |
| COLOR | Very light to medium tan landform. | Light to medium tan and green shrubs and grasses. | Light to dark grey and brown T-lines. Medium to dark grey roadway. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to medium. |

**SECTION C. PROPOSED ACTIVITY DESCRIPTION**

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

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

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

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

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

Rationale:
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 2,050 4,100 8,200 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-17
US-50
(westbound)
(Segment 1470)

Western Area Power Administration

Project Location

KOP Location

Feet
0 2,050 4,100 8,200

N
W E
S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-17
Simulated Condition
(Segment 1470)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
F-22

3. VRM Class
IV

4. Location Utah SH-257 (SB)
Township 23S
Range 10W
Section 25

5. Location Sketch
Please see Figure 3.12-3

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar valley floor and angular mountains. | Clumps of shrubs and grasses. | Pyramidal and planar transmission line structures. Planar roadway. |
| LINE | Horizontal line of valley floor and angular lines of distant mountains. | Indistinct shrub and grass pattern edges. | Vertical and horizontal T-line structures. |
| COLOR | Very light to medium tan landform. | Light to medium tan and green shrubs and grasses. | Light to dark grey and brown T-lines. Medium to dark grey roadway. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to medium. |

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

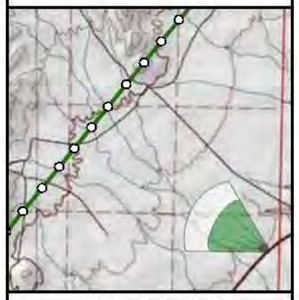
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

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

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

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

Project Location



KOP Location

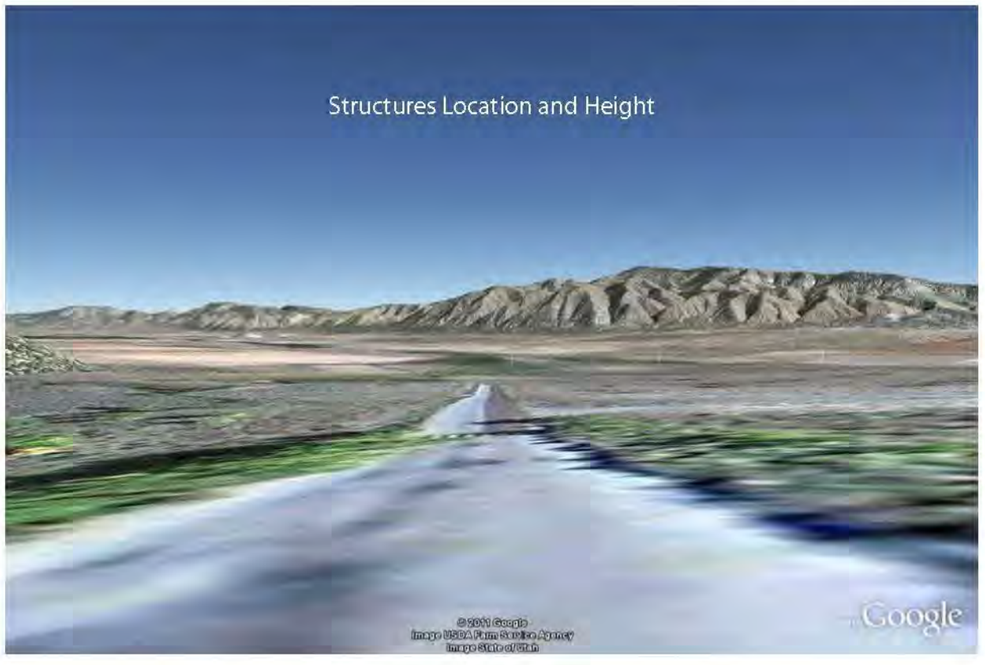
0 2,700 5,400 10,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-22
Utah State Hwy 257
(southbound)
(Segment 1480)

Western Area Power Administration

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(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 07/28/2011
District Fillmore FO
Resource Area
Activity (program)

## SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: F-23
3. VRM Class: Private
4. Location: Maple Grove Campground; Township 21S; Range 25W; Section 1
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 wide planar valley floor. | Blanket and scattered clumps of pinyon-juniper, shrubs and grasses. | Planar roadway and wooden poles. |
| LINE | Curvilinear and angular mtn. ridges and horizontal valley floor. | Irregular tree and shrub pattern edges. | Horizontal roadway and vertical poles. |
| COLOR | Light to medium reddish tan and grey rock formations. | Light to medium to dark green trees, shrubs and grasses. | Light to medium grey roads and medium 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) Strong | Moderate | Weak | None | VEGETATION (2) Strong | Moderate | Weak | None | STRUCTURES (3) Strong | Moderate | Weak | None |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Elements | Form | | | | | | | | X | | X | | |
| | Line | | | | | | | | X | | X | | |
| | Color | | | | | | | | X | | X | | |
| | Texture | | | | | | | | X | | | X | |

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

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

Evaluator's Names: M. Paulson
Date: 07/28/2011

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

Project Location

KOP Location

0 2,700 5,400 10,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-23
Maple Grove
Campground
(Segment 1330.1)

Project Location

KOP Location

0 2,700 5,400 10,800 Feet

N
W E
S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-23
Simulated Condition
(Segment 1330.1)

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** Fillmore FO
**Resource Area**
**Activity (program)**

**SECTION A. PROJECT INFORMATION**

1. Project Name: TransWest Express
2. Key Observation Point: F-24
3. VRM Class: IV
4. Location: US-50 (EB); Township 19S; Range 2W; Section 16
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 wide valley floor. | Blanket and scattered clumps of pinyon-juniper, shrubs and grasses. | Planar roadway. |
| LINE | Curvilinear and angular mtn. ridges and inclined valley floor. | Irregular tree and shrub pattern edges. | Horizontal roadway. |
| COLOR | Light to medium reddish tan and grey rock formations. | Light to medium to dark green trees, shrubs and grasses. | Light to medium grey roads and medium 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 | | | |
| 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: 07/27/2011

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

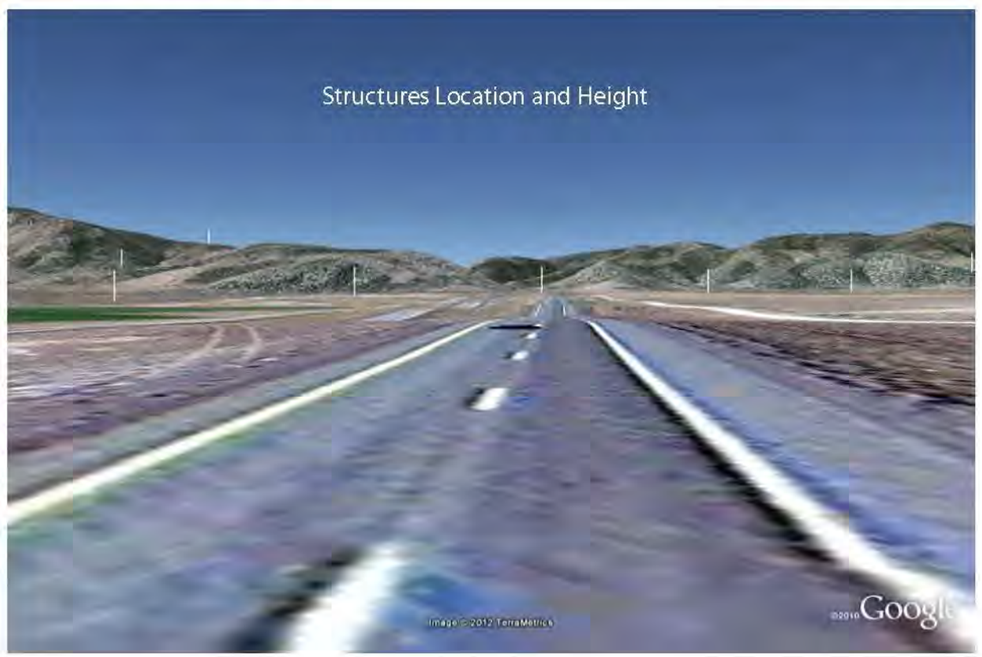
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-24
U.S. 50
(eastbound)
(Segment 1330.1)

Western Area Power Administration




Form 8-400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

**SECTION A. PROJECT INFORMATION**

1. Project Name: TransWest Express
2. Key Observation Point: F-25
3. VRM Class: IV (VRI Class III)
4. Location: I-15 (SB); Township 18S; Range 3W; 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 wide valley floor. | Blanket and scattered clumps of pinyon-juniper, shrubs and grasses. | Cylindrical poles, planar roadway, and billboard structures. |
| LINE | Curvilinear and angular mtn. ridges and inclined planar valley floor. | Irregular tree and shrub pattern edges. | Vertical poles, horizontal roadway and horizontal and vertical structures. |
| COLOR | Light to medium reddish tan and grey rock formations. | Light to medium to dark green trees, shrubs and grasses. | Medium to dark brown poles, light to medium grey road lanes and multi-colored structures. |
| 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: 07/27/2011

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

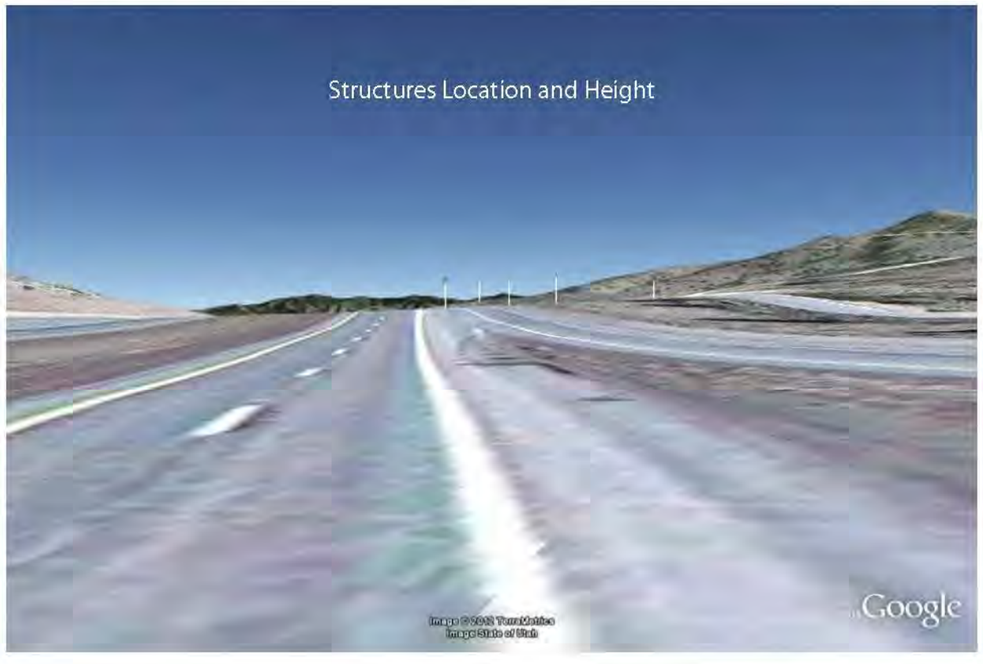
0 1,400 2,800 5,600 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-25
Interstate-15
(southbound)
(Segment 1400)

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 Fillmore FO
Resource Area
Activity (program)

**SECTION A. PROJECT INFORMATION**

1. Project Name: TransWest Express
2. Key Observation Point: F-26
3. VRM Class: IV (VRI Class III)
4. Location: I-15 (NB); Township 18S; Range 3W; Section 34
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 wide valley floor. | Blanket and scattered clumps of pinyon-juniper, shrubs and grasses. | Cylindrical poles and planar roadway lanes. |
| LINE | Curvilinear and angular mtn. ridges and inclined planar valley floor. | Irregular tree and shrub pattern edges. | Vertical poles and horizontal roads. |
| COLOR | Light to medium reddish tan and grey rock formations. | Light to medium to dark green trees, shrubs and grasses. | Medium to dark brown poles and light to medium grey roads. |
| TEXTURE | Smooth to medium landforms. | Smooth, medium and coarse. | Smooth to medium. |

**SECTION C. PROPOSED ACTIVITY DESCRIPTION**

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

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

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

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

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

Evaluator's Names: M. Paulson
Date: 07/27/2011

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 F-26
Interstate 15
(northbound)
(Segment 1410)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 08/18/2011
District Fillmore FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
F-27

3. VRM Class
IV (VRI Class III)

4. Location US-6 (SB)
Township 16S
Range 6W
Section 13

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar to gently rolling valley floor. | Blanket and scattered clumps of shrubs and grasses. | Planar roadway lanes. |
| LINE | Horizontal and slightly angular foreground skyline. | Irregular shrub and grass pattern edges. | Horizontal road. |
| COLOR | Light to medium reddish tan. | Light to medium to dark green shrubs and reddish tan grasses. | Light to medium grey road. |
| TEXTURE | Smooth landforms. | Smooth, medium and coarse. | Smooth to medium. |

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 08/18/2011

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 F-27
U.S. 6
(southbound)
(Segment 1410)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 08/18/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

**1. Project Name**
TransWest Express

**2. Key Observation Point**
F-28

**3. VRM Class**
IV (VRI Class III)

**4. Location** US-6 (NB)
**Township** 16S
**Range** 6W
**Section** 23

**5. Location Sketch**
Please see Figure 3.12-2

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Angular mountains and wide valley floor. | Blanket and scattered clumps of shrubs and grasses. | Planar roadway lanes. Distance T-lines. |
| LINE | Horizontal and slightly angular foreground skyline. | Irregular shrub and grass pattern edges. | Horizontal road. Vertical T-lines. |
| COLOR | Light to medium reddish tan. | Light to medium to dark green shrubs and reddish tan grasses. | Light to medium grey road and T-lines. |
| TEXTURE | Smooth landforms. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

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

**Evaluator's Names** M. Paulson
**Date** 08/18/2011

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

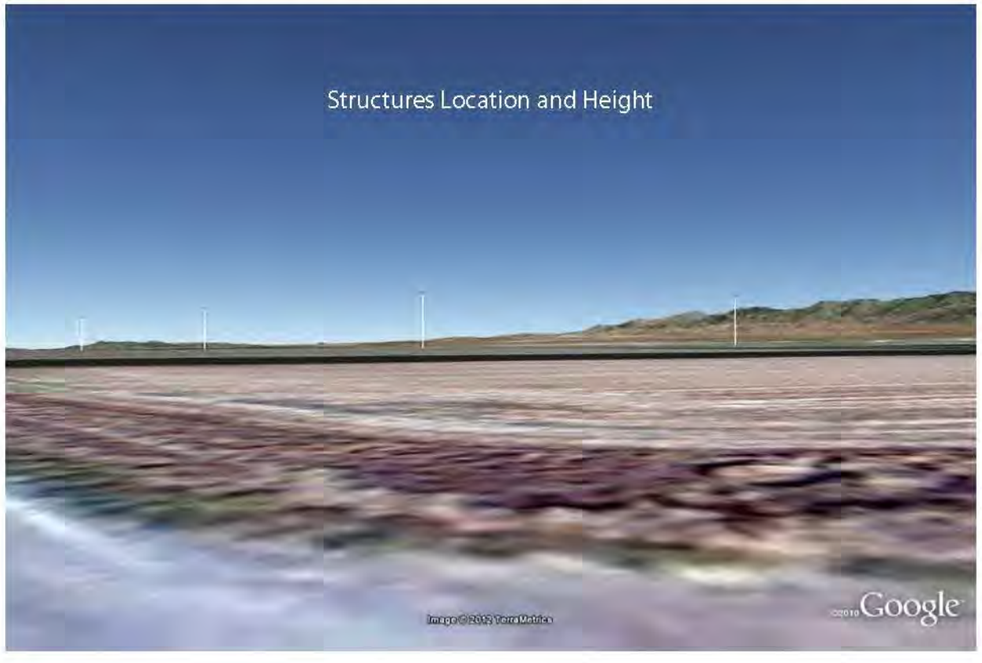
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-28
U.S. 6
(northbound)
(Segment 1410)

Western Area Power Administration

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 08/19/2011
**District** Fillmore FO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

**1. Project Name**
TransWest Express

**2. Key Observation Point**
F-29

**3. VRM Class**
Private

**4. Location** US-50 (NB)
**Township** 18S
**Range** 5W
**Section** 33

**5. Location Sketch**
Please see Figure 3.12-2

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Angular mountains and wide valley floor. | Planar blanket of grasses. | Planar roadway lanes. Distance T-lines. |
| LINE | Horizontal and slightly angular foreground skyline. | Horizontal fence rows and grass patterns. | Vertical t-lines and fence posts. |
| COLOR | Light to medium reddish tan. | Light to medium to dark green shrubs and reddish tan grasses. | Light to medium grey and brown T-lines and fence posts. |
| TEXTURE | Smooth landforms. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

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

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

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

Project Location

KOP Location

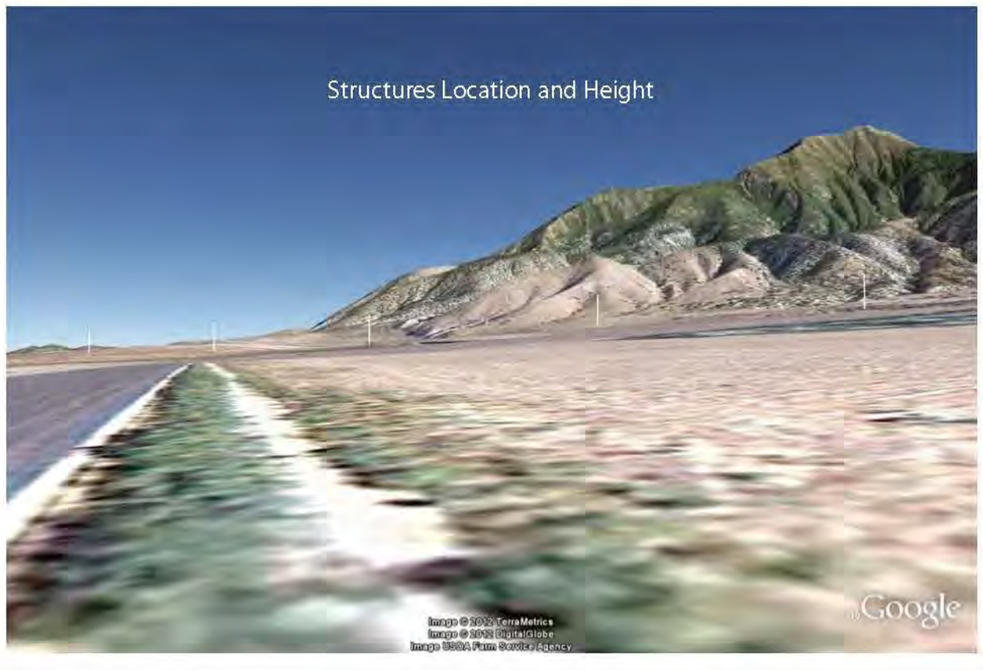
Feet
0 1,450 2,900 5,800

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-29
U.S. 50
(northbound)
(Segment 1410)

Western Area Power Administration

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

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

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
F-30

3. VRM Class
III

4. Location Nephi City Street E1250N
Township 12S
Range 1E
Section 33

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 narrow valley floor. | Scattered clumps of trees, shrubs and grasses. | Cylindrical poles foreground and midground and residential structures. |
| LINE | Curvilinear and angular mtn. ridges and planar valley floor. | Irregular tree and shrub pattern edges. | Vertical poles and horizontal and vertical structures. |
| COLOR | Light to medium reddish tan and grey rock formations. | Light to medium to dark green trees, shrubs and grasses. | Medium to dark brown poles and structures. |
| 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: 07/27/2011

Rationale:
Where the Project visually parallels an existing transmission line, access roads, and vegetation clearing, the project would comply with VRM Class III management objectives. Contrasts in these situations would be moderate or weak. Mitigation measures (VR-3, VR-4, VR-6, and VR-7) would further reduce contrasts.

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

Project Location

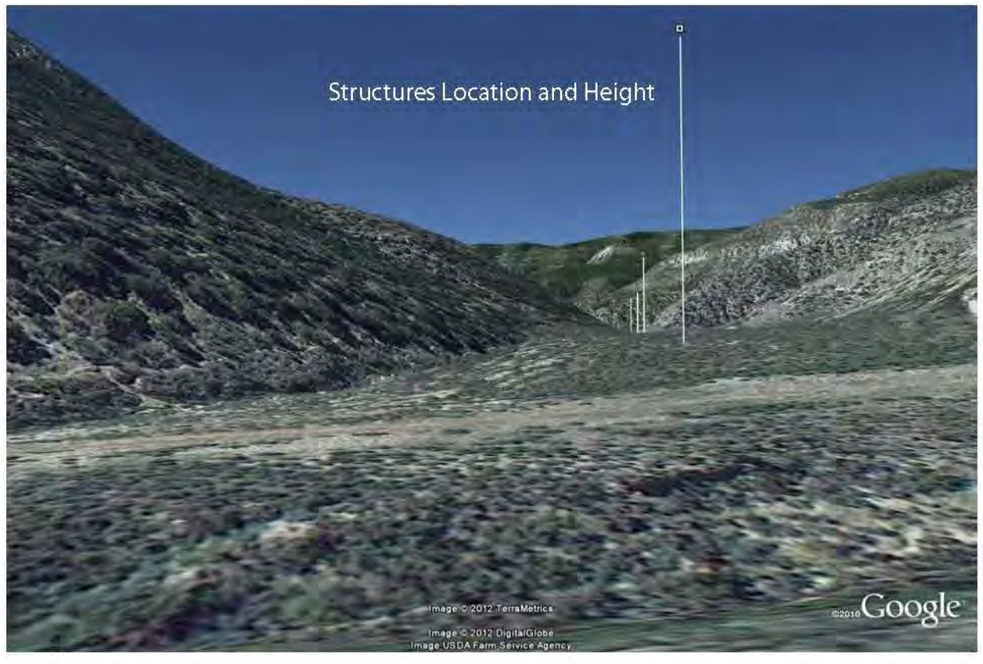
KOP Location

Feet
0 1,450 2,900 5,800

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP F-30
Nephi City Street E1250N
(Segment 1340)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 11/07/2010
**District** Grand Junction FO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

1. **Project Name** TransWest Express
2. **Key Observation Point** GJ-15
3. **VRM Class** Private
4. **Location** Baxter Pass Road (NB)
   **Township** 6S
   **Range** 103W
   **Section** 7
5. **Location Sketch** Please see Figure 3.12-2

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar horizontal and angular ridges. Angular side slopes. | Organic planar surface of pinyon-juniper and organic clumps of sagebrush and rabbit brush. | NA |
| LINE | Strong angular lines of skyline. Angular side slopes and foreground ridgeline. | Indistinct lines in surface of pinyon-juniper, sagebrush, rabbit brush and grasses. | NA |
| COLOR | Very light, medium, and dark brown slopes. | Dark olive pinyon-juniper. Light tan to brown rabbit brush and grasses and light to medium tan sagebrush. | NA |
| TEXTURE | Smooth to moderate landform. | Smooth to coarse grasses and sagebrush. | 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 | | | | | | | | | | | | |

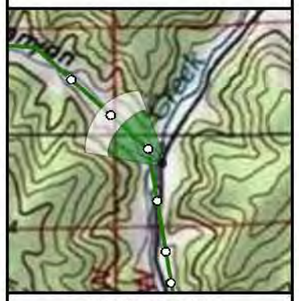
2. **Does project design meet visual resource management objectives?** ☐ Yes ☐ No **(Explain on reverse side)**

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

**Evaluator's Names** M. Paulson **Date** 11/07/10

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

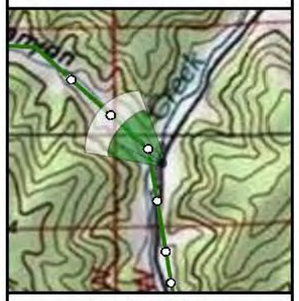
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP GJ-15
Baxter Pass Road
(northbound)
(Segment 1220)

Project Location



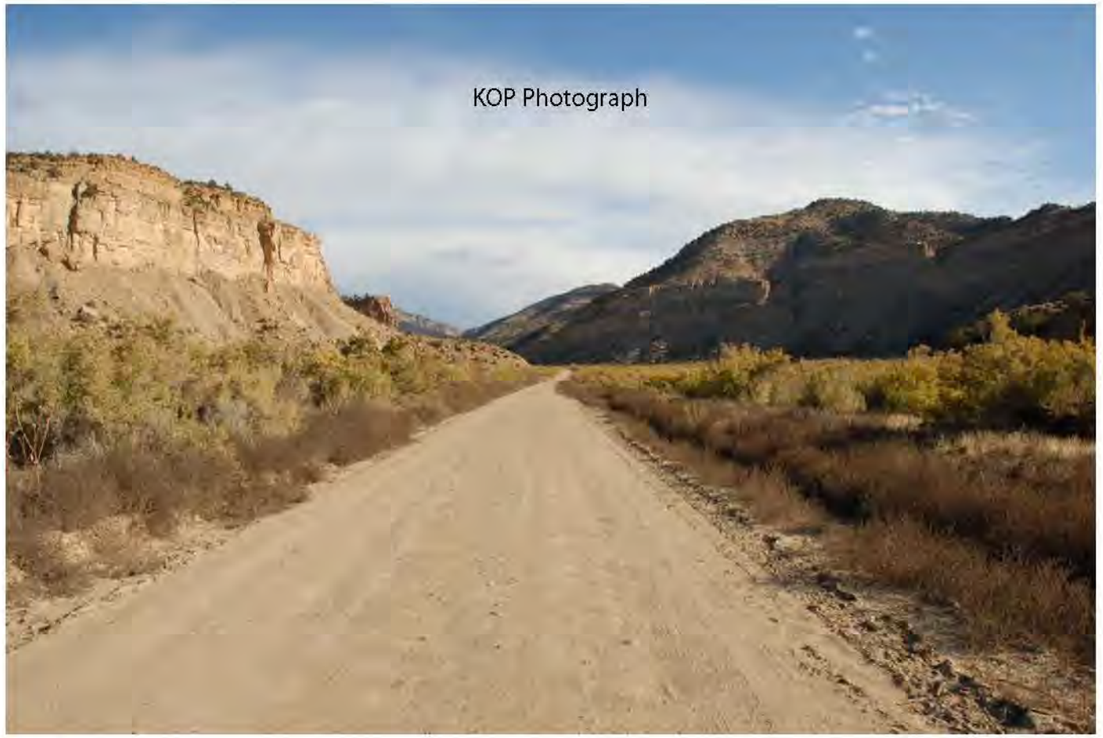
KOP Location

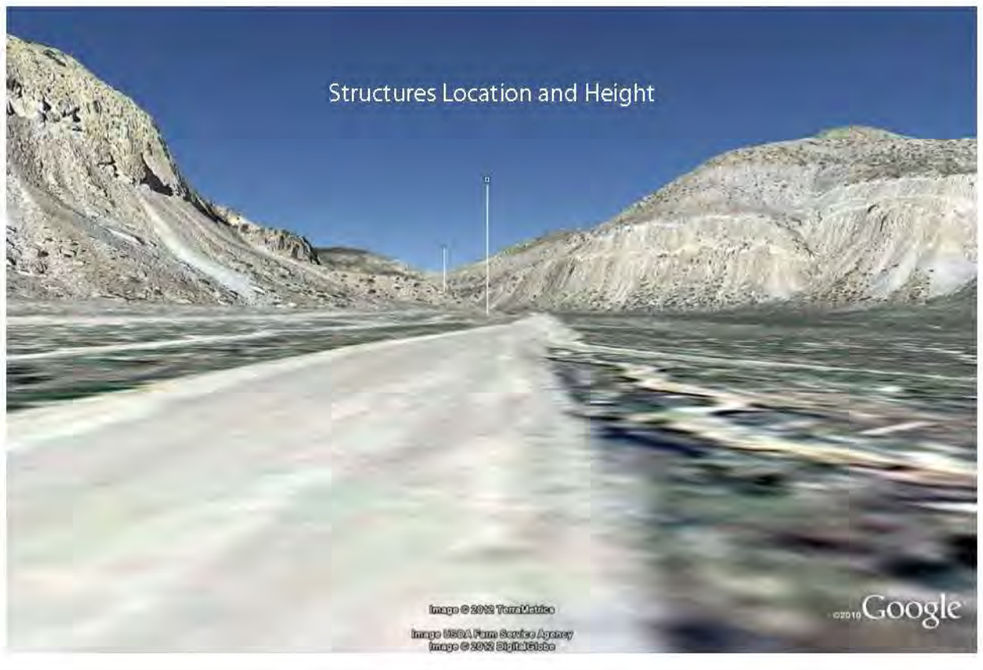
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP GJ-15
Simulated Condition
(Segment 1220)

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(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 11/07/2010
District Grand Junction FO
Resource Area
Activity (program)

## SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: GJ-16
3. VRM Class: II (VRI Class III)
4. Location: Baxter Pass Road (NB)
   Township 7S
   Range 104W
   Section 27
5. Location Sketch: Please see Figure 3.12-2

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar cliffs and angular ridges. Angular side slopes. | Organic planar surface of pinyon-juniper and organic clumps of sagebrush and rabbit brush. | Planar roadway. |
| LINE | Strong vertical and banded lines of cliffs. Angular side slopes. | Indistinct lines in surface of pinyon-juniper, sagebrush, rabbit brush and grasses. | Slightly curved lines of roadway. |
| COLOR | Very light, medium, and dark brown slopes. | Dark olive pinyon-juniper. Light tan to brown rabbit brush and grasses and light to medium tan sagebrush. | Light tan roadway. |
| TEXTURE | Smooth to moderate cliffs and overall landform. | Smooth to coarse pinyon-juniper, grasses and sagebrush. | Smooth to medium 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. |
| TEXTURE | | | Course steel lattice structures, and smooth guys and conductors. |

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

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

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

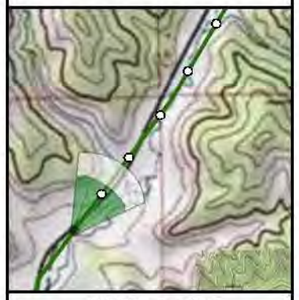
3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side)

Evaluator's Names: M. Paulson
Date: 11/07/10

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

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

Project Location



KOP Location

0 1,450 2,900 5,800 Feet

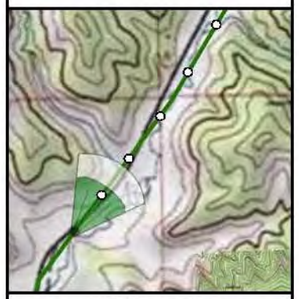
N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP GJ-16
Baxter Pass Road
(northbound)
(Segment 1200)

Western Area Power Administration

Project Location



KOP Location

Feet
0 1,450 2,900 5,800

N
W E
S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP GJ-16
Simulated Condition
(Segment 1220)

Western Area Power Administration

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 11/06/2010
District Grand Junction FO
Resource Area
Activity (program)

**SECTION A. PROJECT INFORMATION**

1. Project Name: TransWest Express
2. Key Observation Point: GJ-17
3. VRM Class: IV (VRI-IV)
4. Location: Old US-6 (WB)
   Township 9S
   Range 104W
   Section 28
5. Location Sketch: Please see Figure 3.12-2

**SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION**

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar cliffs and angular ridges. Angular side slopes. | Organic clumps of sagebrush, greasewood, rabbit brush, and grasses. | Planar road and shoulders, and columnar fence posts. |
| LINE | Strong vertical and horizontal banded lines of cliffs. Angular side slopes. | Indistinct lines in surface of sagebrush, greasewood, rabbit brush and grasses. | Parallel lines of roadway. Vertical lines of fence posts. |
| COLOR | Very light, medium, and dark brown slopes. | Light tan to brown greasewood, rabbit brush and grasses and light to medium tan sagebrush. | Medium grey road surface. Light to dark brown fence posts. |
| TEXTURE | Smooth to moderate cliffs and overall landform. | Smooth to coarse grasses, rabbit brush, greasewood, and sagebrush. | Smooth 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. |
| 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: 11/06/10

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

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

Project Location

KOP Location

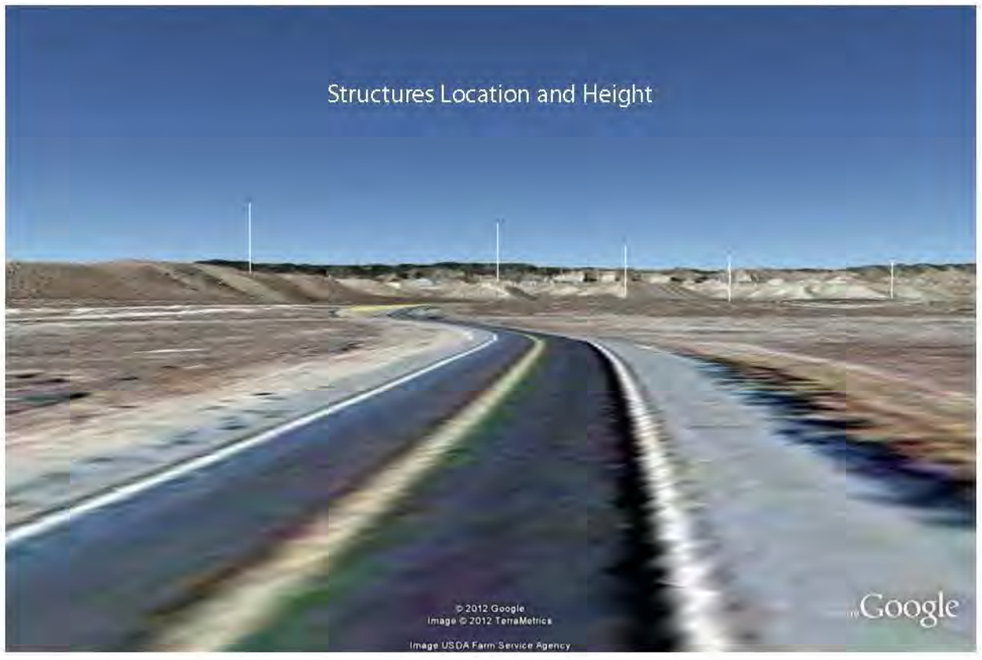
0 1,400 2,800 5,600 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP GJ-17
Old U.S. 6
(westbound)
(Segment 1220)

Western Area Power Administration

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 11/07/2010
District Grand Junction FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
GJ-18

3. VRM Class
IV (VRI Class IV)

4. Location Baxter Pass Road (NB)
Township 9S
Range 104W
Section 3

5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar cliffs and angular ridges. Angular side slopes. | Organic planar surface of pinyon-juniper and organic clumps of sagebrush, rabbit brush, and grasses. | Planar road and shoulders, and bridge. |
| LINE | Strong vertical and horizontal banded lines of cliffs. Angular side slopes. | Indistinct lines in surface of pinyon-juniper, sagebrush, rabbit brush and grasses. | Curved lines of roadway. Vertical and horizontal lines of bridge. |
| COLOR | Very light, medium, and dark brown slopes. | Dark olive pinyon-juniper. Light tan to brown rabbit brush and grasses and light to medium tan sagebrush. | Dark grey road surface. Light tan shoulders. White to medium grey bridge structure. |
| TEXTURE | Smooth to moderate cliffs and overall landform. | Smooth to coarse pinyon-juniper, grasses, rabbit brush and sagebrush. | Smooth roadway and shoulders and medium bridge.. |

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

Evaluator's Names: M. Paulson
Date: 11/07/10

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

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

Project Location

KOP Location

0 1,450 2,900 5,800 Feet

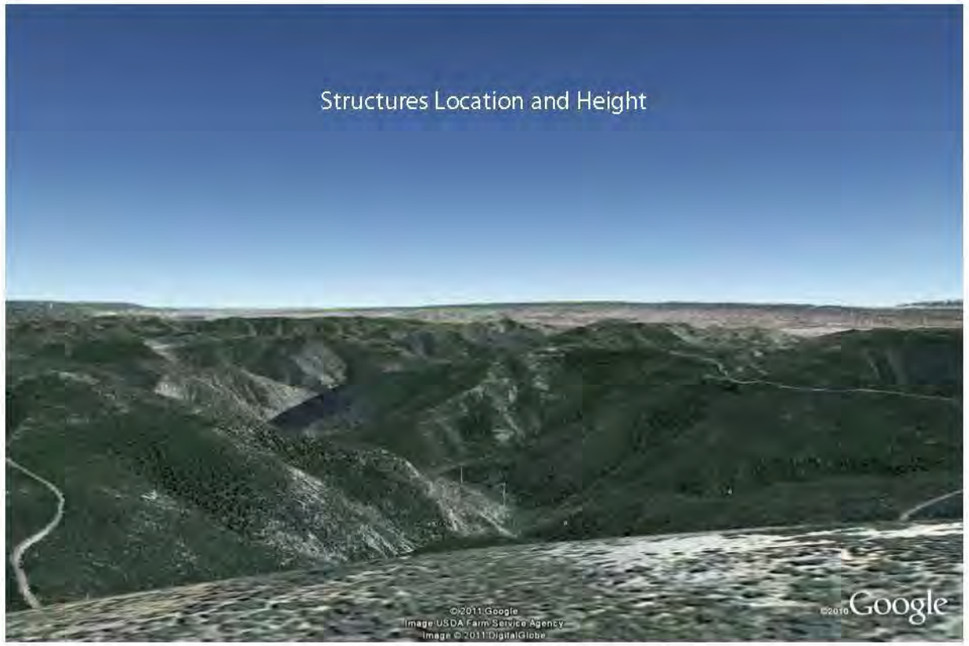
N W E S

TRANSWEST EXPRESS TRANSMISSION PROJECT

KOP GJ-18
Baxter Pass Road
(northbound)
(Segment 1220)

Western Area Power Administration

KOP Photograph




Form 8-400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 11/07/2010
District Grand Junction FO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express
2. Key Observation Point
GJ-19
3. VRM Class
Private
4. Location Baxter Pass
South View
Township 5S
Range 103W
Section 34
5. Location Sketch
Please see Figure 3.12-2

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar horizontal and angular ridges. Angular side slopes. | Organic planar surface of spruce-fir, pinyon-juniper and organic clumps of sagebrush and rabbit brush. | NA |
| LINE | Strong angular lines of skyline. Angular side slopes and foreground ridgeline. | Indistinct lines in surface of spruce-fir, pinyon-juniper, sagebrush, rabbit brush and grasses. | NA |
| COLOR | Very light, medium, and dark brown slopes. | Dark olive spruce-fir and pinyon-juniper. Light tan to brown rabbit brush and grasses and light to medium tan sagebrush. | NA |
| TEXTURE | Smooth to moderate landform. | Smooth to coarse trees, grasses and sagebrush. | NA |

SECTION C. PROPOSED ACTIVITY DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | | ROW clearing creates planar forms. | Strongly pyramidal steel lattice structures, and tubular conductors. |
| LINE | | ROW clearing creates horizontal edges. | Vertical steel lattice structures and curvilinear conductors. |
| COLOR | | ROW clearing creates sagebrush and grass colors – bluish greens and tans. | Light silver to dark grey steel lattice structures and conductors. |
| TEXTURE | | ROW clearing creates smooth textures. | Course steel lattice structures and conductors. |

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

| DEGREE OF CONTRAST | FEATURES | | | | | | | | | | | | 2. Does project design meet visual resource management objectives? ☐ Yes ☐ No (Explain on reverse side) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LAND/WATER BODY (1) | | | | VEGETATION (2) | | | | STRUCTURES (3) | | | | 3. Additional mitigating measures recommended ☐ Yes ☐ No (Explain on reverse side) |
| | Strong | Moderate | Weak | None | Strong | Moderate | Weak | None | Strong | Moderate | Weak | None | |
| Elements: Form | | | | | | X | | | X | | | | Evaluator's Names: M. Paulson — Date: 11/07/10 |
| Line | | | | | | X | | | X | | | | |
| Color | | | | | | X | | | | X | | | |
| Texture | | | | | | | X | | | X | | | |

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 1,800 3,600 7,200 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP GJ-19
Baxter Pass
(south view)
(Segment 1220)

Western Area Power Administration

Project Location

KOP Location

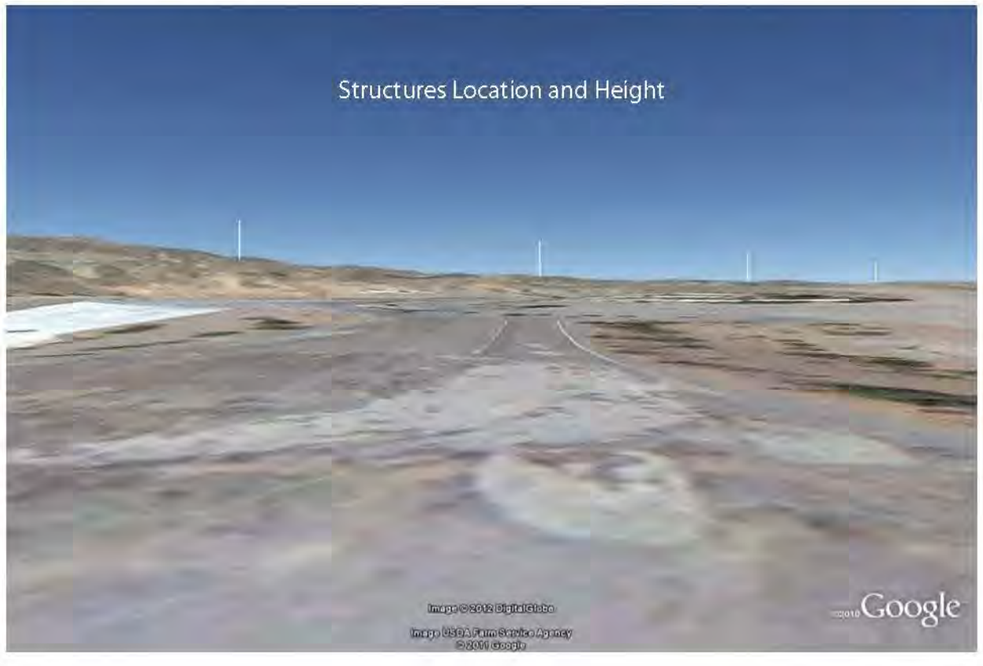
Feet
0 1,800 3,600 7,200

N
W E
S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP GJ-19
Simulated Condition
(Segment 1220)

Western Area Power Administration




Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 09/09/2011
**District** Southern Nevada DO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

**1. Project Name**
TransWest Express

**2. Key Observation Point**
LMNRA-1

**3. VRM Class**
Private

**4. Location** Las Vegas Bay Boat Launch
**Township** 21S
**Range** 64E
**Section** 19

**5. Location Sketch**
Please see Figure 3.12-4

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar, graded boat launch parking and angular mountains. | Clumps of palm trees, shrubs and grasses. | Planar roadway and parking area. Cubed buildings and cylindrical utilities. |
| LINE | Curvilinear and angular ridgelines. | Irregular palm trees, shrubs and grass patterns. | Horizontal roadways and parking. Horizontal and vertical buildings. Vertical utilities. |
| COLOR | Light to medium reddish tan and grey. | Dark green palm trees and shrubs and tan desert shrubs and grasses. | Light, medium grey roadway and parking. Light grey and reddish tan buildings. Medium to dark grey utilities. |
| TEXTURE | Smooth to medium landform. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

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

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

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

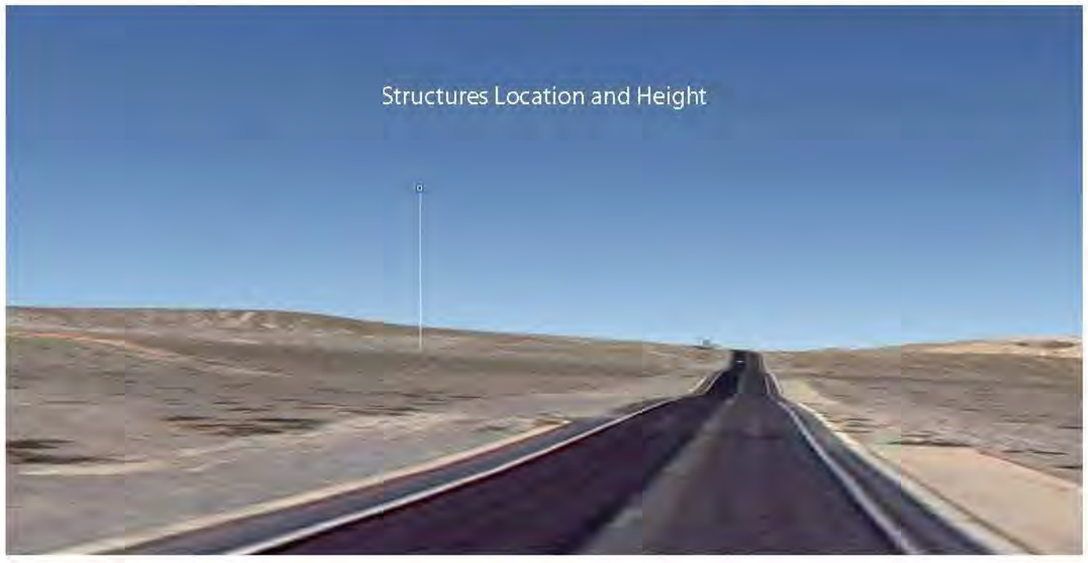
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP LMNRA-1
Las Vegas Bay
Boat Launch
(Segment 1710)

KOP Photograph




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

VISUAL CONTRAST RATING WORKSHEET

Date 09/09/2011
District Southern Nevada DO
Resource Area
Activity (program)

**SECTION A. PROJECT INFORMATION**

1. Project Name: TransWest Express
2. Key Observation Point: LMNRA-2
3. VRM Class: Private
4. Location: Lake Mead-Lakeshore Dr.
   Township 21S
   Range 63E
   Section 13
5. Location Sketch: Please see Figure 3.12-4

**SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION**

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Rolling hills and angular mountains. | Clumps of desert shrubs and grasses. | Planar roadway |
| LINE | Curvilinear and angular ridgelines. | Irregular shrub and grass patterns. | Horizontal roadway.. |
| COLOR | Light to medium reddish tan and grey. | Tan to brown shrubs and grasses. | Light, medium grey and tan roadways. |
| TEXTURE | Smooth to medium landform. | Smooth, medium and coarse. | Smooth to medium. |

**SECTION C. PROPOSED ACTIVITY DESCRIPTION**

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | | | Pyramidal steel lattice structure, 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 | | | Coarse steel lattice structures, and smooth guys and conductors. |

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

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

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

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

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

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

Project Location

KOP Location

0 1,400 2,800 5,600 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP LMNRA-2
Lake Mead
Lakeshore Drive
(Segment 1670)

Project Location

KOP Location

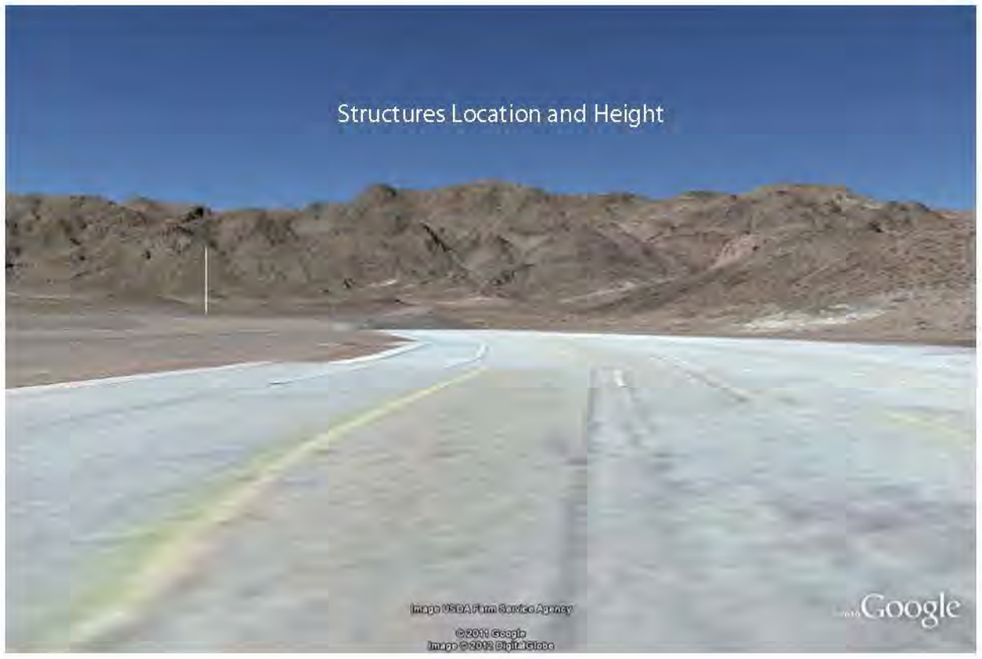
0 1,400 2,800 5,600 Feet

N
W E
S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP LMNRA-2
Simulated Condition
(Segment 1670)

Western Area Power Administration




Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/09/2011
District Southern Nevada DO
Resource Area
Activity (program)

## SECTION A. PROJECT INFORMATION

1. Project Name: TransWest Express
2. Key Observation Point: LMNRA-3
3. VRM Class: Private
4. Location: Lake Mead Marina-Pyramid Is.
Township 22S
Range 64E
Section 10
5. Location Sketch: Please see Figure 3.12-4

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Planar, graded boat launch parking and angular mountains. | Clumps of palm trees, shrubs and grasses. | Planar roadway and parking area. Pyramidal steel lattice. Cubed building and cylindrical utilities. |
| LINE | Angular rock formations and ridgelines. | Irregular palm trees, shrubs and grass patterns. | Horizontal roadways and parking. Horizontal and vertical building. Vertical utilities. |
| COLOR | Light to medium reddish tan and grey. | Dark green palm trees and shrubs and tan desert shrubs and grasses. | Light, medium grey roadway and parking. Light yellowish tan building. Medium to dark grey utilities. |
| TEXTURE | Smooth to medium landform. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

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

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

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 LMNRA-3
Lake Mead Marina
Pyramid Island
(Segment 1710)

Form 8-400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date 09/09/2011
District Southern Nevada DO
Resource Area
Activity (program)

SECTION A. PROJECT INFORMATION

1. Project Name
TransWest Express

2. Key Observation Point
LMNRA-4

3. VRM Class
Private

4. Location Lake Mead Vis Ctr. (93 WB).
Township 22S
Range 64E
Section 26

5. Location Sketch
Please see Figure 3.12-4

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Rolling hills and angular mountains. | Clumps of desert shrubs and grasses. | Planar roadway. Cubed residential buildings and cylindrical h-frame poles. |
| LINE | Angular rock formations and ridgelines. | Irregular shrubs and grass patterns. | Horizontal roadways. Horizontal and vertical buildings. Vertical utilities. |
| COLOR | Light to medium reddish tan and grey. | Dark green and tan desert shrubs and grasses. | Light, medium grey roadway. Multiple colors of structures. Medium to dark brown utilities. |
| TEXTURE | Smooth to medium landform. | Smooth, medium and coarse. | Smooth to medium. |

SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

SECTION D. CONTRAST RATING ☐ SHORT TERM ☑ LONG TERM

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

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

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

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

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 LMNRA-4
Lake Mead Visitor Center
(93 westbound)
(Segment 1771)

Form 8400-4
(September 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 09/09/2011
**District** Southern Nevada DO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

1. **Project Name**
TransWest Express

2. **Key Observation Point**
LMNRA-5

3. **VRM Class**
Private

4. **Location** US-93 (EB)
**Township** 22S
**Range** 64E
**Section** 34

5. **Location Sketch**
Please see Figure 3.12-4

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Rolling hills and angular mountains. | Clumps of desert shrubs and grasses. | Planar roadway. Pyramidal steel lattice structures. Cubed hotel and cylindrical utility pole. |
| LINE | Angular rock formations and ridgelines. | Irregular shrubs and grass patterns. | Horizontal roadway. Horizontal and vertical building. Vertical utilities. |
| COLOR | Light to medium reddish tan and grey. | Dark green and tan desert shrubs and grasses. | Light, medium grey roadway. Tan reddish brown structures. Medium to dark brown utilities. |
| TEXTURE | Smooth to medium landform. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

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

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

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

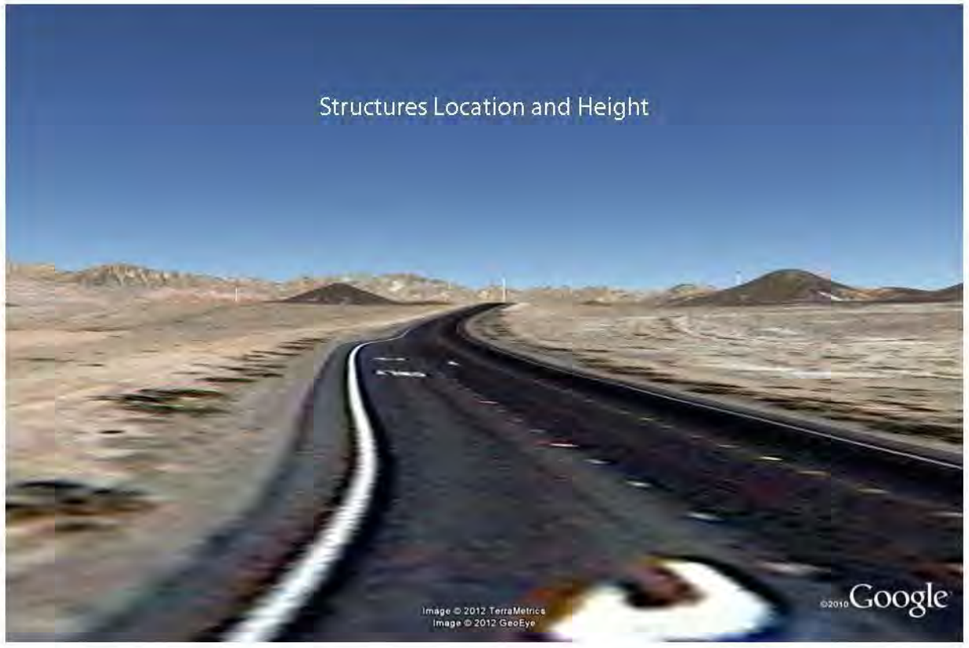
0 1,450 2,900 5,800 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP LMNRA-5
U.S. 93
(eastbound)
(Segment 1771)

Western Area Power Administration

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

**Date** 09/10/2011
**District** Southern Nevada DO
**Resource Area**
**Activity (program)**

## SECTION A. PROJECT INFORMATION

**1. Project Name**
TransWest Express

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

**3. VRM Class**
Private

**4. Location** Lake Mead Blvd (NB)
**Township** 20S
**Range** 63E
**Section** 35

**5. Location Sketch**
Please see Figure 3.12-4

## SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

| | 1. LAND/WATER | 2. VEGETATION | 3. STRUCTURES |
|---|---|---|---|
| FORM | Rolling hills and angular mountains. | Clumps of desert shrubs and grasses. | Planar roadway and pullout parking. Multiple pyramidal steel lattice structures. |
| LINE | Curvilinear and angular ridgelines. | Irregular shrubs and grass patterns. | Horizontal roadway. Vertical T-line structures. |
| COLOR | Light to medium reddish tan and grey. | Dark brown and tan desert shrubs and grasses. | Medium to dark grey roadway. Medium to dark grey utilities. |
| TEXTURE | Smooth to medium landform. | Smooth, medium and coarse. | Smooth to medium. |

## SECTION C. PROPOSED ACTIVITY DESCRIPTION

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

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

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

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

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

**Evaluator's Names** M. Paulson
**Date** 09/10/2011

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

Project Location

KOP Location

0 1,400 2,800 5,600 Feet

N W E S

**TRANSWEST EXPRESS TRANSMISSION PROJECT**

KOP LMNRA-6
Lake Mead Boulevard
(northbound)
(Segment 1650)