

Appendix R2.19

Transportation and Public Access

Appendix R2.19 Transportation and Public Access

This appendix presents data supporting the analysis in Volume IV, Chapter IV.19. This appendix is organized as follows.

- Section R2.19.1 – No Action Alternative: Tables R2.19-1 through R2.19-4
- Section R2.19.2 – Preferred Alternative: Tables R2.19-5 through R2.19-10
- Section R2.19.3 – Alternative 1: Tables R2.19-11 through R2.19-16
- Section R2.19.4 – Alternative 2: Tables R2.19-17 through R2.19-22
- Section R2.19.5 – Alternative 3: Tables R2.19-23 through R2.19-28
- Section R2.19.6 – Alternative 4: Tables R2.19-29 through R2.19-34

R2.19.1 No Action Alternative

**Table R2.19-1
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type -
No Action Alternative**

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	1.4	0.0	0.0	1.1
State Routes	141.3	1.1	0.0	0.0	0.5
Railroads	169.2	3.0	0.0	0.0	1.3
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	1.7	0.2	0.1	1.9
State Routes	253.9	2.4	0.2	0.2	1.2
Railroads	281.8	2.4	0.2	0.2	1.7
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.2	0.9	0.0	0.0	0.0
State Routes	111.8	1.5	0.0	0.0	0.0
Railroads	68.4	0.1	0.0	0.0	0.0
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	0.0	0.0	0.0	0.2
State Routes	38.6	0.0	0.0	0.0	0.0
Railroads	124.3	0.0	0.0	0.0	0.7
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.0	0.0	0.0	0.0

Table R2.19-1
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type –
No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
State Routes	33.6	0.0	0.0	0.0	0.0
Railroads	57.7	0.0	0.0	0.0	0.0
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	0.0	0.0	0.0
State Routes	161.3	0.0	0.0	0.0	0.0
Railroads	47.2	0.0	0.0	0.0	0.0
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.0	0.0	0.0	0.0
State Routes	140.4	0.1	0.0	0.0	0.1
Railroads	50.2	0.0	0.0	0.0	0.1
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	44.8	0.0	0.0	0.0	0.0
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	1.4	0.0	0.0	0.3
State Routes	29.0	0.0	0.0	0.0	0.0
Railroads	155.2	2.8	0.0	0.0	0.5

Table R2.19-1
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type -
No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	0.2	0.1	0.0	0.1
State Routes	448.3	1.0	0.5	0.0	0.4
Railroads	452.0	1.7	0.9	0.0	0.8
<i>Total</i>					
Federal Highways	1,410.7	5.6	0.3	0.1	3.6
State Routes	1,358.1	6.1	0.8	0.2	2.2
Railroads	1,450.9	10.1	1.1	0.2	5.1

Table R2.19-2

Estimated Linear Miles of Transportation in Conservation Plan-wide by Ecoregion Subarea – No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>				
Federal Highways	178.6	0.0	21.3	11.9%
State Routes	141.3	4.9	8.9	9.8%
Railroads	169.2	0.0	21.6	12.8%
<i>Imperial and Borrego Valley Ecoregion Subarea</i>				
Federal Highways	270.2	1.0	1.4	0.9%
State Routes	253.9	1.6	15.6	6.8%
Railroads	281.8	2.4	0.6	1.0%
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>				
Federal Highways	87.2	6.9	17.6	28.1%
State Routes	111.8	6.2	0.6	6.1%
Railroads	68.4	49.7	12.6	91.1%
<i>Mojave and Silurian Valley Ecoregion Subarea</i>				
Federal Highways	173.8	13.3	3.1	9.4%
State Routes	38.6	1.0	2.7	9.6%
Railroads	124.3	17.0	13.4	24.4%
<i>Owens River Valley Ecoregion Subarea</i>				
Federal Highways	86.7	0.0	0.0	0.0%
State Routes	33.6	0.0	0.0	0.0%
Railroads	57.7	0.0	0.7	1.3%

Table R2.19-2
Estimated Linear Miles of Transportation in Conservation Plan-wide by Ecoregion Subarea – No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
<i>Panamint Death Valley Ecoregion Subarea</i>				
Federal Highways	7.4	0.0	0.0	0.0%
State Routes	161.3	34.9	0.0	21.7%
Railroads	47.2	0.0	2.2	4.5%
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>				
Federal Highways	50.0	0.0	0.0	0.0%
State Routes	140.4	0.0	3.1	2.2%
Railroads	50.2	0.0	0.0	0.0%
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>				
Federal Highways	124.3	1.7	43.1	36.0%
State Routes	0.0	0.0	0.0	0.0%
Railroads	44.8	0.0	8.3	18.5%
<i>Providence and Bullion Mountains Ecoregion Subarea</i>				
Federal Highways	200.2	4.1	20.3	12.2%
State Routes	29.0	9.5	6.3	54.4%
Railroads	155.2	4.3	27.3	20.4%
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>				
Federal Highways	232.4	0.0	13.6	5.9%
State Routes	448.3	0.2	14.4	3.3%
Railroads	452.0	0.0	18.0	4.0%

Table R2.19-2
Estimated Linear Miles of Transportation in Conservation Plan-wide by Ecoregion Subarea – No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
<i>Total</i>				
Federal Highways	1,410.7	26.9	120.4	10.5%
State Routes	1,358.1	58.4	51.6	8.1%
Railroads	1,450.9	73.4	104.6	12.3%

Table R2.19-3
Potential Linear Miles of Transportation Impacts on Bureau of Land Management Land Use Plan Amendment Lands
- No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>CDCA</i>					
Federal Highways	616.2	1.6	0.0	0.0	0.4
State Routes	414.7	2.0	0.0	0.0	0.1
Railroads	480.4	5.3	0.2	0.1	1.6
BLM Routes	11,359.6	88.4	5.1	0.2	17.4
<i>Caliente RMP</i>					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.1	0.1	0.0	0.0
<i>Bishop RMP</i>					
Federal Highways	14.4	0.0	0.0	0.0	0.0
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.0	0.0	0.0	0.0
BLM Routes	258.2	0.0	0.0	0.0	0.0

Table R2.19-4
Estimated Linear Miles of Transportation in BLM Land Designations Outside Plan Area – No Action Alternative

Transportation	Existing SRMAs (miles)	Existing ACECs (miles)
Federal Highways	3.3	42.5
State Routes	0.0	5.0
Railroads	2.9	10.2
BLM Routes	0.0	0.0

R2.19.2 Preferred Alternative

**Table R2.19-5
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type
Preferred Alternative**

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	0.8	0.1	0.0	1.8
State Routes	141.3	1.5	0.1	0.0	0.2
Railroads	175.2	2.8	0.3	0.0	0.2
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	6.4	0.1	2.2	1.8
State Routes	253.9	5.9	0.1	2.4	1.3
Railroads	281.8	5.6	0.1	1.8	1.4
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	0.0	0.0	0.0	0.0
State Routes	111.8	0.0	0.0	0.0	0.0
Railroads	68.4	0.0	0.0	0.0	0.0
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	0.4	0.0	0.0	1.3
State Routes	38.6	0.0	0.0	0.0	0.0
Railroads	124.3	1.8	0.0	0.0	0.5
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.1	0.0	0.2	0.0
State Routes	33.6	0.0	0.0	0.0	0.0
Railroads	57.7	0.2	0.0	0.3	0.0
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	0.0	0.0	0.0

Table R2.19-5
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type
Preferred Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
State Routes	161.3	0.0	0.0	0.0	0.0
Railroads	47.2	0.0	0.0	0.0	0.0
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.1	0.0	0.0	0.3
State Routes	140.4	1.0	0.3	0.0	0.3
Railroads	50.2	1.2	0.3	0.0	0.3
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	44.7	0.0	0.0	0.0	0.0
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	0.4	0.0	0.0	0.2
State Routes	29.0	0.0	0.0	0.0	0.0
Railroads	155.2	0.5	0.0	0.0	0.1
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	1.3	0.1	0.0	1.5
State Routes	448.3	2.6	0.2	0.0	1.9
Railroads	452.8	5.0	0.5	0.0	1.9
<i>Total</i>					
Federal Highways	1,410.6	9.5	0.3	2.3	7.1
State Routes	1,358.2	10.9	0.6	2.4	3.7
Railroads	1,457.6	17.2	1.2	2.2	4.4

Table R2.19-6
Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea – Preferred Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	0.0	7.7	2.9	5.9%
State Routes	141.3	4.9	18.3	0.1	16.5%
Railroads	169.2	0.0	99.1	4.1	61.0%
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	1.0	4.4	0.6	2.2%
State Routes	253.9	1.6	18.5	2.7	9.0%
Railroads	281.8	2.4	44.0	2.1	17.2%
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	6.9	10.4	5.1	25.7%
State Routes	111.8	6.2	38.5	0.5	40.5%
Railroads	68.4	49.7	12.6	4.6	97.8%
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	13.3	12.5	9.5	20.3%
State Routes	38.6	1.0	6.2	0.2	19.0%
Railroads	124.3	17.0	31.7	6.7	44.5%
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.0	17.1	4.1	24.5%
State Routes	33.6	0.0	13.7	0.4	42.1%
Railroads	57.7	0.0	34.5	9.7	76.6%
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	0.7	0.0	9.2%
State Routes	161.3	34.9	16.6	0.6	32.3%
Railroads	47.2	0.0	13.0	1.5	30.6%

Table R2.19-6
Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea – Preferred Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.0	1.0	0.9	3.9%
State Routes	140.4	0.0	15.2	12.6	19.9%
Railroads	50.2	0.0	6.6	4.1	21.2%
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	1.7	16.3	1.7	15.8%
State Routes	0.0	0.0	0.0	0.0	0.0%
Railroads	44.7	0.0	12.3	1.3	30.4%
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	4.1	52.0	0.2	28.2%
State Routes	29.0	9.5	6.2	0.0	54.1%
Railroads	155.2	4.3	129.6	0.0	86.3%
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	0.0	9.2	3.2	5.3%
State Routes	448.3	0.2	23.5	7.0	6.9%
Railroads	452.8	0.0	44.2	39.6	18.6%
<i>Total</i>					
Federal Highways	1,410.6	26.9	131.3	28.3	13.2%
State Routes	1,358.2	58.4	156.7	24.1	17.6%
Railroads	1,457.6	73.4	427.7	74.3	39.6%

Table R2.19-7
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Preferred Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>CDCA</i>					
Federal Highways	615.7	0.8	0.0	0.3	5.9
State Routes	412.9	0.6	0.0	0.1	0.5
Railroads	480.4	3.6	0.3	0.5	1.2
BLM Routes	11,339.9	65.0	5.9	7.7	16.1
<i>Caliente RMP</i>					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.0	0.0	0.0	0.0
<i>Bishop RMP</i>					
Federal Highways	14.4	0.0	0.0	0.1	0.1
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.0	0.0	0.0	0.0
BLM Routes	258.2	0.0	0.0	0.0	0.2

Table R2.19-8
Potential Linear Miles of Transportation Impacts by Technology Type General Conservation Plan – Preferred Alternative

Transportation	Transportation in in GCP (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
Federal Highways	688.5	8.9	0.3	2.0	6.2
State Routes	860.6	9.9	0.6	2.0	2.9
Railroads	787.7	12.7	0.8	1.7	3.5

Table R2.19-9
Estimated Linear Miles of Transportation in Reserve Design Lands General Conservation Plan – Preferred Alternative

Transportation	Transportation in GCP (miles)	Existing Conservation Areas (miles)	Conservation Planning Areas (miles)	Percent in Conservation
Federal Highways	688.5	1.0	24.9	3.8%
State Routes	860.6	0.6	24.1	2.9%
Railroads	787.7	2.4	73.6	9.7%

Table R2.19-10
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside Plan Area – Preferred Alternative

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	35.2	34.6	0.0	0.4
State Routes	58.1	19.4	11.0	0.0	7.9
Railroads	18.6	7.8	7.8	0.0	1.4
BLM Routes	0.0	0.0	0.0	0.0	0.0

R2.19.3 Alternative 1

**Table R2.19-11
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type -
Alternative 1**

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	1.7	0.0	0.0	3.9
State Routes	141.3	3.9	0.1	0.0	0.2
Railroads	169.2	2.7	0.0	0.0	0.4
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	5.5	0.0	1.5	4.6
State Routes	253.9	8.1	0.0	2.7	2.9
Railroads	281.8	7.3	0.0	1.9	3.3
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	0.0	0.0	0.0	0.0
State Routes	111.8	0.0	0.0	0.0	0.0
Railroads	68.4	0.0	0.0	0.0	0.0
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	0.5	0.0	0.0	0.4
State Routes	38.6	0.0	0.0	0.0	0.0
Railroads	124.3	2.7	0.0	0.0	0.2
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.6	0.0	0.0	1.3
State Routes	33.6	0.0	0.0	0.0	0.1
Railroads	57.7	1.7	0.0	0.0	1.2

Table R2.19-11
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type –
Alternative 1

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	0.0	0.0	0.0
State Routes	161.3	0.0	0.0	0.0	0.0
Railroads	47.2	0.0	0.0	0.0	0.0
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.3	0.0	0.0	0.4
State Routes	140.4	1.8	0.1	0.0	0.6
Railroads	50.2	3.2	0.2	0.0	0.5
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	44.7	0.0	0.0	0.0	0.0
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	0.9	0.0	0.0	0.6
State Routes	29.0	0.0	0.0	0.0	0.0
Railroads	155.2	0.6	0.0	0.0	0.3
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	1.3	0.1	0.0	0.3
State Routes	448.3	2.7	0.1	0.0	0.4
Railroads	452.0	6.2	0.2	0.0	0.4
<i>Total</i>					
Federal Highways	1,410.6	10.7	0.1	1.5	11.5
State Routes	1,358.1	16.4	0.3	2.7	4.3
Railroads	1,450.9	24.4	0.4	1.9	6.2

Table R2.19-12
Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea – Alternative 1

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	0.0	6.8	4.0	6.0%
State Routes	141.3	4.9	18.3	0.1	16.5%
Railroads	169.2	0.0	102.8	3.6	62.9%
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	1.0	4.4	0.7	2.3%
State Routes	253.9	1.6	12.4	2.9	6.7%
Railroads	281.8	2.4	23.4	2.3	10.0%
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	6.9	10.5	5.1	25.8%
State Routes	111.8	6.2	38.5	0.5	40.5%
Railroads	68.4	49.7	12.6	4.6	97.8%
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	13.3	3.5	10.0	15.4%
State Routes	38.6	1.0	5.3	0.7	18.1%
Railroads	124.3	17.0	24.4	10.2	41.5%
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.0	10.9	4.2	17.4%
State Routes	33.6	0.0	13.6	0.4	41.8%
Railroads	57.7	0.0	28.4	13.4	72.3%
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	0.7	0.0	9.2%

Table R2.19-12
Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea – Alternative 1

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
State Routes	161.3	34.9	10.1	1.3	28.7%
Railroads	47.2	0.0	13.0	1.5	30.6%
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.0	1.0	0.9	3.9%
State Routes	140.4	0.0	18.3	11.4	21.2%
Railroads	50.2	0.0	6.7	4.1	21.4%
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	1.7	17.4	1.5	16.6%
State Routes	0.0	0.0	0.0	0.0	—
Railroads	44.7	0.0	8.6	1.3	22.1%
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	4.1	47.4	0.3	25.9%
State Routes	29.0	9.5	6.2	0.0	54.1%
Railroads	155.2	4.3	101.3	13.0	76.4%
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	0.0	9.3	7.8	7.4%
State Routes	448.3	0.2	28.2	12.2	9.0%
Railroads	452.0	0.0	45.6	50.7	21.3%
<i>Total</i>					
Federal Highways	1,410.6	26.9	111.9	34.6	12.3%
State Routes	1,358.1	58.4	150.9	29.4	17.6%
Railroads	1,450.9	73.4	366.7	104.7	37.6%

Table R2.19-13
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Alternative 1

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>CDCA</i>					
Federal Highways	615.7	0.4	0.0	0.0	4.5
State Routes	412.9	0.7	0.0	0.2	0.7
Railroads	480.4	3.1	0.1	0.0	1.6
BLM Routes	11,339.0	34.4	0.7	1.9	16.1
<i>Caliente RMP</i>					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.0	0.0	0.0	0.0
<i>Bishop RMP</i>					
Federal Highways	14.4	0.1	0.0	0.0	0.3
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.0	0.0	0.0	0.2
BLM Routes	258.2	0.0	0.0	0.0	0.9

Table R2.19-14
Potential Linear Miles of Transportation Impacts by Technology Type General Conservation Plan – Alternative 1

Transportation	Transportation in in GCP (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
Federal Highways	688.5	10.3	0.1	1.5	6.7
State Routes	860.6	15.7	0.2	2.5	3.6
Railroads	787.7	21.3	0.4	1.9	4.3

Table R2.19-15
Estimated Linear Miles of Transportation in Reserve Design Lands General Conservation Plan – Alternative 1

Transportation	Linear Miles of Transportation in Ecoregion Subarea	Existing Conservation Areas	Conservation Planning Areas	Percent in Conservation
Federal Highways	688.5	1.0	31.0	4.7%
State Routes	860.6	0.6	29.3	3.5%
Railroads	787.7	2.4	104.7	13.6%

Table R2.19-16
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside Plan Area - Alternative 1

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	0.1	34.6	0.0	0.0
State Routes	58.1	6.1	4.2	0.0	0.4
Railroads	18.6	1.3	7.8	0.0	0.0
BLM Routes	0.0	0.0	0.0	0.0	0.0

R2.19.4 Alternative 2

**Table R2.19-17
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type -
Alternative 2**

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	0.6	0.0	0.0	4.9
State Routes	141.3	1.1	0.1	0.0	0.4
Railroads	169.2	1.7	0.3	0.0	0.9
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	4.9	0.1	2.2	5.0
State Routes	253.9	3.7	0.1	2.2	2.6
Railroads	281.8	3.9	0.1	1.8	3.0
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	0.0	0.0	0.0	0.5
State Routes	111.8	0.0	0.0	0.0	0.0
Railroads	68.4	0.0	0.0	0.0	0.0
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	0.2	0.0	0.0	0.7
State Routes	38.6	0.0	0.0	0.0	0.0
Railroads	124.3	0.9	0.0	0.0	0.3

Table R2.19-17
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type –
Alternative 2

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.1	0.0	0.1	0.5
State Routes	33.6	0.0	0.0	0.0	0.0
Railroads	57.7	0.4	0.0	0.6	0.4
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	0.0	0.0	0.0
State Routes	161.3	0.1	0.0	0.0	0.0
Railroads	47.2	0.2	0.0	0.0	0.0
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.1	0.0	0.0	0.8
State Routes	140.4	1.6	0.6	0.0	0.9
Railroads	50.2	0.9	0.3	0.0	0.6
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	44.7	0.0	0.0	0.0	0.0
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	0.2	0.1	0.0	0.7

Table R2.19-17
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type –
Alternative 2

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
State Routes	29.0	0.0	0.0	0.0	0.0
Railroads	155.2	0.3	0.1	0.0	0.5
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	0.9	0.1	0.0	0.2
State Routes	448.3	2.2	0.2	0.0	0.3
Railroads	452.0	3.8	0.5	0.0	0.2
<i>Total</i>					
Federal Highways	1,410.6	7.0	0.4	2.4	13.2
State Routes	1,358.1	8.8	1.0	2.2	4.2
Railroads	1,450.9	12.0	1.3	2.4	5.9

Table R2.19-18
Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea – Alternative 2

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	0.0	7.1	2.9	5.6%
State Routes	141.3	4.9	20.3	0.1	17.9%
Railroads	169.2	0.0	102.3	4.1	62.9%
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	1.0	5.7	0.6	2.7%
State Routes	253.9	1.6	20.7	2.8	9.9%
Railroads	281.8	2.4	58.3	2.3	22.4%
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	6.9	24.4	5.1	41.7%
State Routes	111.8	6.2	57.6	0.5	57.6%
Railroads	68.4	49.7	12.6	4.6	97.8%
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	13.3	21.5	10.0	25.8%
State Routes	38.6	1.0	5.1	0.5	17.3%
Railroads	124.3	17.0	31.7	15.2	51.4%
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.0	12.5	4.2	19.3%
State Routes	33.6	0.0	13.7	0.4	42.1%
Railroads	57.7	0.0	25.2	13.4	66.9%
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	1.4	0.0	19.0%

Table R2.19-18

Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea – Alternative 2

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
State Routes	161.3	34.9	14.4	1.3	31.4%
Railroads	47.2	0.0	15.8	1.4	36.3%
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.0	0.0	1.6	3.2%
State Routes	140.4	0.0	10.1	7.3	12.4%
Railroads	50.2	0.0	3.7	4.1	15.7%
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	1.7	18.8	4.0	19.7%
State Routes	0.0	0.0	0.0	0.0	0.0%
Railroads	44.7	0.0	16.8	1.9	41.9%
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	4.1	54.8	4.4	31.6%
State Routes	29.0	9.5	8.7	0.0	62.6%
Railroads	155.2	4.3	116.3	13.0	86.1%
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	0.0	12.0	4.4	7.1%
State Routes	448.3	0.2	21.0	7.2	6.3%
Railroads	452.0	0.0	49.3	35.0	18.6%
<i>Total</i>					
Federal Highways	1,410.6	26.9	158.2	37.2	15.8%
State Routes	1,358.1	58.4	171.7	20.1	18.4%
Railroads	1,450.9	73.4	432.1	95.0	41.4%

Table R2.19-19
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Alternative 2

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>CDCA</i>					
Federal Highways	615.7	0.5	0.0	0.3	5.7
State Routes	412.9	0.8	0.1	0.1	0.6
Railroads	480.4	2.3	0.4	0.5	1.4
BLM Routes	11,339.0	75.6	14.7	7.4	19.8
<i>Caliente RMP</i>					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.0	0.0	0.0	0.0
<i>Bishop RMP</i>					
Federal Highways	14.4	0.0	0.0	0.1	0.1
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.1	0.0	0.3	0.1
BLM Routes	258.2	0.1	0.0	0.2	0.3

Table R2.19-20
Potential Linear Miles of Transportation Impacts by Technology Type General Conservation Plan – Alternative 2

Transportation	Transportation in in GCP (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
Federal Highways	688.5	6.4	0.3	2.0	6.8
State Routes	860.6	8.0	0.9	2.0	3.6
Railroads	787.8	9.6	0.9	1.7	4.4

Table R2.19-21
Estimated Linear Miles of Transportation in Reserve Design Lands General Conservation Plan – Alternative 2

Transportation	Transportation in Ecoregion Subarea	Existing Conservation Areas (miles)	Conservation Planning Areas (miles)	Percent in Conservation
Federal Highways	688.5	1.0	33.7	5.1%
State Routes	860.6	0.6	20.1	2.4%
Railroads	787.8	2.4	95.0	12.4%

Table R2.19-22
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside Plan Area - Alternative 2

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	46.9	34.6	0.0	2.2
State Routes	58.1	54.9	11.0	0.0	11.8
Railroads	18.6	18.6	7.8	0.0	3.8
BLM Routes	0.0	0.0	0.0	0.0	0.0

R2.19.5 Alternative 3

**Table R2.19-23
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type -
Alternative 3**

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	1.3	0.0	0.0	4.0
State Routes	141.3	2.6	0.1	0.0	0.3
Railroads	169.2	2.2	0.1	0.0	0.5
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	4.8	0.0	1.6	3.9
State Routes	253.9	6.1	0.0	2.2	2.5
Railroads	281.8	6.0	0.0	1.8	2.8
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	0.0	0.0	0.0	0.0
State Routes	111.8	0.0	0.0	0.0	0.0
Railroads	68.4	0.0	0.0	0.0	0.0
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	0.4	0.0	0.0	0.2
State Routes	38.6	0.0	0.0	0.0	0.0
Railroads	124.3	2.2	0.0	0.0	0.1

Table R2.19-23
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type –
Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.2	0.0	0.2	0.5
State Routes	33.6	0.0	0.0	0.0	0.0
Railroads	57.7	0.5	0.0	0.4	0.5
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	0.0	0.0	0.0
State Routes	161.3	0.2	0.0	0.0	0.0
Railroads	47.2	0.4	0.0	0.0	0.0
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.2	0.0	0.0	0.5
State Routes	140.4	1.8	0.2	0.0	0.7
Railroads	50.2	2.0	0.2	0.0	0.5
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	44.7	0.0	0.0	0.0	0.0
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	0.8	0.0	0.0	0.7

Table R2.19-23
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type –
Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
State Routes	29.0	0.0	0.0	0.0	0.0
Railroads	155.2	1.0	0.0	0.0	0.4
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	0.9	0.1	0.0	0.5
State Routes	448.3	2.6	0.2	0.0	0.7
Railroads	452.8	5.7	0.3	0.0	0.6
<i>Total</i>					
Federal Highways	1,410.6	8.7	0.2	1.8	10.3
State Routes	1,358.2	13.4	0.5	2.2	4.2
Railroads	1,450.9	20.0	0.6	2.2	5.4

Table R2.19-24
Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea and by Technology Type – Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	0.0	6.8	2.9	5.4%
State Routes	141.3	4.9	18.3	0.1	16.5%
Railroads	169.2	0.0	105.3	1.1	62.9%
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	1.0	23.3	0.7	1.2%
State Routes	253.9	1.6	38.4	2.7	9.0%
Railroads	281.8	2.4	42.5	4.3	17.0%
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	6.9	52.8	5.1	25.8%
State Routes	111.8	6.2	71.8	0.5	40.5%
Railroads	68.4	49.7	12.8	4.6	97.8%
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	13.3	34.0	9.5	21.3%
State Routes	38.6	1.0	30.6	0.2	19.0%
Railroads	124.3	17.0	24.0	10.5	42.8%
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.0	30.6	4.1	24.5%
State Routes	33.6	0.0	22.8	0.4	42.1%

Table R2.19-24
Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea and by Technology Type – Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
Railroads	57.7	0.0	35.1	9.7	76.6%
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	5.2	0.0	9.2%
State Routes	161.3	34.9	34.4	0.6	31.6%
Railroads	47.2	0.0	13.2	1.4	30.4%
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.0	13.6	0.9	3.9%
State Routes	140.4	0.0	37.0	11.9	19.4%
Railroads	50.2	0.0	11.5	2.6	19.1%
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	1.7	63.8	1.7	15.5%
State Routes	0.0	0.0	0.0	0.0	0.0%
Railroads	44.7	0.0	16.4	1.3	30.4%
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	4.1	144.6	0.2	26.7%
State Routes	29.0	9.5	16.6	0.0	54.1%
Railroads	155.2	4.3	139.7	0.0	86.3%
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	0.0	38.8	7.8	7.4%

Table R2.19-24
Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea and by Technology Type – Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
State Routes	448.3	0.2	78.2	12.0	8.6%
Railroads	452.8	0.0	50.9	47.6	20.6%
<i>Total</i>					
Federal Highways	1,410.6	26.9	477.6	33.1	13.2%
State Routes	1,358.2	58.4	419.7	28.4	18.0%
Railroads	1,450.9	73.4	464.2	83.2	40.2%

Table R2.19-25
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>CDCA</i>					
Federal Highways	615.7	1.0	0.0	0.4	4.1
State Routes	412.9	0.8	0.0	0.2	0.6
Railroads	480.4	3.2	0.1	0.6	1.3
BLM Routes	11,339.9	60.7	3.2	6.7	15.3
<i>Caliente RMP</i>					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.0	0.0	0.0	0.0
<i>Bishop RMP</i>					
Federal Highways	14.4	0.1	0.0	0.1	0.1
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.0	0.0	0.0	0.1
BLM Routes	258.2	0.0	0.0	0.0	0.3

Table R2.19-26
Potential Linear Miles of Transportation Impacts by Technology Type General Conservation Plan – Alternative 3

Transportation	Transportation in GCP (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
Federal Highways	688.5	7.6	0.2	1.3	6.1
State Routes	860.6	12.5	0.4	2.1	3.6
Railroads	787.7	16.8	0.5	1.6	4.0

Table R2.19-27
Estimated Linear Miles of Transportation in Reserve Design Lands General Conservation Plan – Alternative 3

Transportation	Linear Miles of Transportation in Ecoregion Subarea	Existing Conservation Areas	Conservation Planning Areas	Percent in Conservation
Federal Highways	688.5	1.0	29.5	4.4%
State Routes	860.6	0.6	28.4	3.4%
Railroads	787.7	2.4	82.5	10.8%

Table R2.19-28
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside Plan Area - Alternative 3

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	21.2	34.6	0.0	0.4
State Routes	58.1	9.8	11.0	0.0	7.9
Railroads	18.6	2.7	7.8	0.0	1.4
BLM Routes	0.0	0.0	0.0	0.0	0.0

R2.19.6 Alternative 4

**Table R2.19-29
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type -
Alternative 4**

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	1.1	0.0	0.0	9.7
State Routes	141.3	2.2	0.1	0.0	0.6
Railroads	169.2	3.7	0.2	0.0	1.1
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	3.6	0.0	1.4	1.6
State Routes	253.9	5.0	0.0	2.5	1.1
Railroads	281.8	4.9	0.0	1.8	1.4
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	0.0	0.0	0.0	0.0
State Routes	111.8	0.0	0.0	0.0	0.0
Railroads	68.4	0.0	0.0	0.0	0.0
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	0.3	0.0	0.0	0.2
State Routes	38.6	0.0	0.0	0.0	0.0
Railroads	124.3	1.6	0.0	0.0	0.1

Table R2.19-29
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type –
Alternative 4

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.2	0.0	0.1	0.6
State Routes	33.6	0.0	0.0	0.0	0.0
Railroads	57.7	0.4	0.0	0.4	0.5
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	0.0	0.0	0.0
State Routes	161.3	0.2	0.0	0.0	0.0
Railroads	47.2	0.0	0.0	0.0	0.0
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.1	0.0	0.0	0.1
State Routes	140.4	1.3	0.2	0.0	0.3
Railroads	50.2	1.3	0.3	0.0	0.2
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	44.7	0.0	0.0	0.0	0.0
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	0.5	0.0	0.0	0.3

Table R2.19-29
Potential Linear Miles of Transportation Impacts Plan-wide by Ecoregion Subarea and by Technology Type –
Alternative 4

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
State Routes	29.0	0.0	0.0	0.0	0.0
Railroads	155.2	0.4	0.0	0.0	0.2
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	1.1	0.1	0.0	0.2
State Routes	448.3	3.0	0.2	0.0	0.4
Railroads	452.0	5.1	0.5	0.0	0.3
<i>Total</i>					
Federal Highways	1,410.6	6.9	0.2	1.5	12.7
State Routes	1,358.1	11.7	0.5	2.5	2.4
Railroads	1,450.9	17.3	1.0	2.2	3.8

Table R2.19-30

Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea – Alternative 4

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
<i>Cadiz Valley and Chocolate Mountains Ecoregion Subarea</i>					
Federal Highways	178.6	0.0	6.7	2.9	5.4%
State Routes	141.3	4.9	17.3	0.1	15.8%
Railroads	169.2	0.0	100.5	1.4	60.2%
<i>Imperial and Borrego Valley Ecoregion Subarea</i>					
Federal Highways	270.2	1.0	1.4	0.6	1.1%
State Routes	253.9	1.6	9.8	2.7	5.6%
Railroads	281.8	2.4	20.8	4.5	9.8%
<i>Kingston and Funeral Mountains Ecoregion Subarea</i>					
Federal Highways	87.1	6.9	10.3	5.3	25.8%
State Routes	111.8	6.2	38.5	0.5	40.5%
Railroads	68.4	49.7	12.6	4.6	97.8%
<i>Mojave and Silurian Valley Ecoregion Subarea</i>					
Federal Highways	173.8	13.3	6.0	10.0	16.8%
State Routes	38.6	1.0	2.6	1.8	13.8%
Railroads	124.3	17.0	22.9	11.3	41.2%
<i>Owens River Valley Ecoregion Subarea</i>					
Federal Highways	86.7	0.0	10.1	4.1	16.4%
State Routes	33.6	0.0	6.8	0.4	21.5%
Railroads	57.7	0.0	24.0	13.4	64.8%
<i>Panamint Death Valley Ecoregion Subarea</i>					
Federal Highways	7.4	0.0	0.7	0.0	9.2%
State Routes	161.3	34.9	15.4	0.6	31.6%
Railroads	47.2	0.0	13.0	1.5	30.6%

Table R2.19-30

Estimated Linear Miles of Transportation in Reserve Design Lands Plan-wide by Ecoregion Subarea – Alternative 4

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Conservation Planning Areas (miles)	Percent in Conservation
<i>Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	50.0	0.0	1.0	0.9	3.9%
State Routes	140.4	0.0	14.1	12.8	19.2%
Railroads	50.2	0.0	6.5	2.6	18.2%
<i>Piute Valley and Sacramento Mountains Ecoregion Subarea</i>					
Federal Highways	124.3	1.7	15.8	1.7	15.5%
State Routes	0.0	0.0	0.0	0.0	0.0%
Railroads	44.7	0.0	8.6	1.3	22.1%
<i>Providence and Bullion Mountains Ecoregion Subarea</i>					
Federal Highways	200.2	4.1	43.6	2.4	25.1%
State Routes	29.0	9.5	5.7	0.0	52.4%
Railroads	155.2	4.3	115.2	3.6	79.3%
<i>West Mojave and Eastern Slopes Ecoregion Subarea</i>					
Federal Highways	232.4	0.0	9.3	7.8	7.4%
State Routes	448.3	0.2	20.9	12.4	7.5%
Railroads	452.8	0.0	44.2	44.5	19.6%
<i>Total</i>					
Federal Highways	1,410.6	26.9	104.9	35.8	11.9%
State Routes	1,358.1	58.4	131.2	31.3	16.3%
Railroads	1,450.9	73.4	368.3	88.7	36.6%

Table R2.19-31
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Alternative 4

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
<i>CDCA</i>					
Federal Highways	615.7	0.1	0.0	0.1	7.1
State Routes	412.9	0.3	0.0	0.2	0.3
Railroads	480.4	2.6	0.3	0.4	1.3
BLM Routes	11,339.0	43.6	3.7	4.7	16.7
<i>Caliente RMP</i>					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.0	0.0	0.0	0.0
<i>Bishop RMP</i>					
Federal Highways	14.4	0.0	0.0	0.0	0.1
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.0	0.0	0.0	0.1
BLM Routes	258.2	0.0	0.0	0.0	0.4

Table R2.19-32
Potential Linear Miles of Transportation Impacts by Technology Type General Conservation Plan – Alternative 4

Transportation	Transportation in in GCP (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
Federal Highways	688.5	6.8	0.2	1.4	5.5
State Routes	860.6	11.4	0.5	2.3	2.1
Railroads	787.7	14.7	0.7	1.8	2.4

Table R2.19-33
Estimated Linear Miles of Transportation in Reserve Design Lands General Conservation Plan – Alternative 4

Transportation	Linear Miles of Transportation in Ecoregion Subarea	Existing Conservation Areas	Conservation Planning Areas	Percent in Conservation
Federal Highways	688.5	1.0	32.3	4.8%
State Routes	860.6	0.6	31.3	3.7%
Railroads	787.7	2.4	88.7	11.6%

Table R2.19-34
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside Plan Area - Alternative 4

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	0.8	34.6	0.0	0.0
State Routes	58.1	9.8	11.0	0.0	1.1
Railroads	18.6	1.4	7.8	0.0	0.0
BLM Routes	0.0	0.0	0.0	0.0	0.0