



A PDF text file of the project's approved environmental compliance package containing the letter of compliance completion, categorical exclusion form, environmental screening form, and any other associated environmental clearance forms, as applicable (e.g., Wilderness Minimum Requirement Analysis, Wild and Scenic River Section 7 Analysis). The signed originals of the package are on file in the Environmental Planning and Compliance Office at Yosemite National Park.

Letter of Compliance Completion

To: Gabriel Dominguez, Project Manager, Yosemite National Park

From: Cicely Muldoon, Superintendent, Yosemite National Park

Subject: NEPA and NHPA Clearance: 2021-010 Arch Rock Radar Speed Limit Sign and Speed Bump (PEPC: 101079)

The Superintendent and park interdisciplinary team have reviewed the proposed project and completed an impact analysis and documentation, and have determined the following:

- There will not be any effect on threatened, endangered, or rare species and/or their critical habitat.
- There will be no adverse effect to historic properties.
- There will not be serious or long-term undesirable environmental or visual effects.

The subject proposed project, therefore, is now cleared for all NEPA and NHPA compliance requirements as presented above. Project plans and specifications are approved and construction and/or project implementation can commence.

Required Mitigations - For the proposed project actions to be within compliance requirements during construction and/or project implementation, the following mitigations must be adhered to:

- The flashing sign shall not be illuminated at night to avoid impacts to night skies and wildlife.
- Coordinate with the Roads and Trails Division (Gene Smith, Branch Chief, gene_smith@nps.gov) to ensure that new flashing sign adheres to motor vehicle sign guidelines.
- Only project actions described in Planning and Environmental and Public Comment (PEPC) 101079 are approved for implementation. Modifications to plans or additional actions require additional review and approval from the Yosemite National Park Environmental Planning and Compliance Office.

There are no NHPA Recommendations for Conditions or Stipulations identified.

Superintendent Signature: _____ Cicely Muldoon

Date: _____ July 14, 2021

The signed original of this document is on file at the Environmental Planning and Compliance Office in Yosemite National Park.



Categorical Exclusion Documentation Form (CE Form)

Project: Arch Rock Radar Speed Limit Sign and Speed Bump

PEPC Project Number: 101079

Description of Action (Project Description):

To reduce incidents of speeding at Arch Rock Entrance Station and increase safety for entrance station staff, the park is proposing to install a solar-powered flashing speed limit sign to provide a visual cue for drivers to slow down when they exit the park. In a study done by Texas A&M titled "EVALUATION OF DYNAMIC SPEED DISPLAY SIGNS" the authors found that speeds were reduced by as much as 9 mph with the use of flashing speed limit signs. The proposed sign would be collocated on an existing 20 mph sign, facing westbound. The sign post would be moved approximately 50 feet to the west towards the entrance station. The sign would only be operational during daylight hours so as not to impact wildlife at night. Installation of the sign would require soil disturbance to add a new 9-foot pole. The hole would be approximately 3-4' deep and 12" in diameter.

The park would also like to add a removable speed bump approximately 15 feet east of the stop sign in the westbound lane of the entrance station. Five holes would be drilled approximately 6 inches into the asphalt to install screws to anchor the speed bump. The removable speed bump would be in place during the peak season and removed in the winter to allow snow plows to easily come and go.

Mitigation(s): See Letter of Compliance Completion Form for mitigations.

CE Citation: C.5 Installation of signs, displays, kiosks, etc.

CE Justification:

Decision: I find that the action fits within the categorical exclusion above. Therefore, I am categorically excluding the described project from further NEPA analysis. No extraordinary circumstances apply.

Superintendent Signature: _____ Cicely Muldoon **Date:** _____ July 14, 2021

Extraordinary Circumstances:

If implemented, would the proposal...	Yes/No	Notes
A. Have significant impacts on public health or safety?	No	None
B. Have significant impacts on such natural resources and unique geographic characteristics as historic or cultural resources; park, recreation, or refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principal drinking water aquifers; prime farmlands; wetlands (Executive Order 11990); floodplains (Executive Order 11988); national monuments; migratory birds; and other ecologically significant or critical areas?	No	None
C. Have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources (NEPA section 102(2)(E))?	No	None
D. Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?	No	None
E. Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?	No	None
G. Have significant impacts on properties listed or eligible for listing on the National Register of Historic Places, as determined by either the bureau or office?	No	None
H. Have significant impacts on species listed or proposed to be listed on the List of Endangered or Threatened Species, or have significant impacts on designated Critical Habitat for these species?	No	None
I. Violate a federal, state, local or tribal law or requirement imposed for the protection of the environment?	No	None
J. Have a disproportionately high and adverse effect on low income or minority populations (EO 12898)?	No	None
K. Limit access to and ceremonial use of Indian sacred sites on federal lands by Indian religious practitioners or adversely affect the physical integrity of such sacred sites (EO 130007)?	No	None
L. Contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act and Executive Order 13112)?	No	None



ENVIRONMENTAL SCREENING FORM (ESF)

Updated Sept 2015 per NPS NEPA Handbook

A. PROJECT INFORMATION

Project Title: Arch Rock Radar Speed Limit Sign and Speed Bump

PEPC Project Number: 101079

Project Type: Visitor Use Management Plan (VU)

Project Location: County, State: Mariposa, California

Project Leader: Gabriel Dominguez

B. PROJECT DESCRIPTION

See Categorical Exclusion form.

C. RESOURCE IMPACTS TO CONSIDER:

Resource	Potential for Impact	Potential Issues & Impacts
Air Air Quality <i>Dust</i>	Potential	Issue: Post hole digging may produce dust. Impact: Dust generation will be minimal, highly localized, and short-term during installation.
Biological Nonnative or Exotic Species	None	N/A
Biological Species of Special Concern or Their Habitat	None	Issue: The project is in modeled suitable and foraging Fisher habitat, though Fisher are not known to inhabit this area.
Biological Vegetation	None	N/A
Biological Wildlife and/or Wildlife Habitat including terrestrial and aquatic species	None	N/A
Cultural Archeological Resources	None	N/A

Resource	Potential for Impact	Potential Issues & Impacts
Cultural Cultural Landscapes <i>Merced Canyon Travel Corridor Historic District</i>	Potential	Issue: The proposed sign and speed bump are located within the Merced Canyon Travel Corridor Historic District. Impact: The project is not expected to adversely affect the historic district.
Cultural Ethnographic Resources	None	N/A
Cultural Museum Collections	None	N/A
Cultural Prehistoric/historic structures <i>Arch Rock Retaining Wall</i>	Potential	Issue: The Arch Rock Retaining Wall is recommended as a contributing structure to the Merced Canyon Travel Corridor Historic District and is visible from the project area. Impact: The project is not expected to adversely affect the Arch Rock Retaining Wall.
Geological Geologic Features	None	N/A
Geological Geologic Processes	None	N/A
Lightscares Lightscares	Potential	Issue: The proposed flashing sign will produce light. Impact: The flashing sign will only operate during the day.
Other Human Health and Safety <i>Employee Safety</i>	Potential	Issue: At present, vehicles often do not slow down sufficiently or stop at the stop sign in the eastbound lane of Highway 140 by the entrance station. Impact: The proposed flashing speed limit sign and removable speed bump will increase entrance station staff safety by reducing eastbound vehicle speeds.
Other Operational	None	N/A
Other Other	None	N/A
Socioeconomic Land Use	None	N/A
Socioeconomic Minority and low-income populations, size, migration patterns, etc.	None	N/A

Resource	Potential for Impact	Potential Issues & Impacts
Socioeconomic Socioeconomic	None	N/A
Soundscapes Soundscapes	None	N/A
Viewsheds Viewsheds	Potential	Issue: See Cultural Landscapes, above.
Visitor Use and Experience Recreation Resources	None	N/A
Visitor Use and Experience Visitor Use and Experience	None	N/A
Water Floodplains	None	N/A
Water Marine or Estuarine Resources	None	N/A
Water Water Quality or Quantity	None	N/A
Water Wetlands	None	N/A
Water Wild and Scenic River <i>Merced Wild and Scenic River Corridor</i>	Potential	<p>Issue: The project area is within Segment 3 (the Gorge) of the Merced Wild and Scenic River. This segment is classified as "scenic".</p> <p>Impact: Project does not occur within the bed and banks of the Merced Wild and Scenic River but the new sign and speed bump will constitute a slight gain in contrasts along this scenic segment of the river. The sign will be located near existing signs and the developed area of the entrance station so the additional contrast will be minimal.</p>
Wilderness Wilderness	None	N/A



ASSESSMENT OF ACTIONS HAVING AN EFFECT ON HISTORIC PROPERTIES

A. DESCRIPTION OF UNDERTAKING

1. **Park:** Yosemite National Park

2. **Project Description:**

Project Name: Arch Rock Radar Speed Limit Sign and Speed Bump

Prepared by: Gabriel Dominguez **Date Prepared:** 04/30/2021 **Telephone:** (209) 379-2210

PEPC Project Number: 101079

Locations:

County, State: Mariposa, CA

Describe project:

See Categorical Exclusion form.

Area of potential effects (as defined in 36 CFR 800.16[d])

The APE for the sign is limited to the westbound shoulder of Highway 140 approximately 300 meters northeast of the Arch Rock Entrance Station. The vertical APE is limited to the new post hole that will be dug for the new 9 foot sign and is estimated to be approximately 12 inches in diameter by 4 feet deep. The existing 20 mph sign will be removed and the post hole filled in. The sign will be visible from the southbound lane of Highway 140 from approximately 75 meters away. The flashing lights will only operate during daylight hours.

The APE for the removable speed bump is limited to the westbound lane of Highway 140 approximately 5 meters to the east of the stop sign at the Arch Rock Entrance Station. The vertical APE will be limited to the 5 holes drilled approximately 6" into the existing asphalt to install the screws that will hold the speed bump in place.

3. **Has the area of potential effects been surveyed to identify historic properties?** Yes

Source or Reference:

4. **Potentially Affected Resource(s):**

Archeological Resources Present: No

Archeological Resources Notes: The project area has been archeologically survey in 1975 and 1997 with no sites identified.

Historical Structures/Resources Present: Yes

Historical Structures/Resources Notes: Arch Rock Retaining Wall is recommended as a contributing structures to the Merced Canyon Travel Corridor Historic District and is visible from the project area.

Cultural Landscapes Present: Yes

Property Name: Merced Canyon Travel Corridor

LCS:

Cultural Landscapes Notes: The proposed sign and speed bump are located within the Merced Canyon Travel Corridor.

Ethnographic Resources Present: No

Ethnographic Resources Notes: Tribal partners were provided with project details in the May 2021 tribal spreadsheet.

5. The proposed action will: (check as many as apply)

Yes/No	The proposed action will...
No	Destroy, remove, or alter features/elements from a historic structure
No	Replace historic features/elements in kind
No	Add non-historic features/elements to a historic structure
No	Alter or remove features/elements of a historic setting or environment (inc. terrain)
Yes	Add non-historic features/elements (inc. visual, audible, or atmospheric) to a historic setting or cultural landscape
No	Disturb, destroy, or make archeological resources inaccessible
No	Disturb, destroy, or make ethnographic resources inaccessible
Yes	Potentially affect presently unidentified cultural resources
No	Begin or contribute to deterioration of historic features, terrain, setting, landscape elements, or archeological or ethnographic resources
No	Involve a real property transaction (exchange, sale, or lease of land or structures)
No	Other (please specify):

6. Supporting Study Data:

(Attach if feasible; if action is in a plan, EA or EIS, give name and project or page number.)

B. REVIEWS BY CULTURAL RESOURCE SPECIALISTS

The park 106 coordinator requested review by the park's cultural resource specialist/advisors as indicated by check-off boxes or as follows:

[X] 106 Advisor

Name: Hope Schear

Date: 06/30/2021

Comments: Compliance complete. No comments or concerns have been received from tribal partners. YOSE PA streamlined review category 9b.

Check if project does not involve ground disturbance []

Assessment of Effect: ___No Potential to Cause Effect ___No Historic Properties Affected X No

Adverse Effect ___Adverse Effect ___Streamlined Review

Recommendations for conditions or stipulations:

Doc Method: Park Specific or Other Programmatic Agreement

[X] Anthropologist

Name: Liz Williams

Date: 06/22/2021

Comments: Project submitted for tribal consultation in May 2021 Tribal Spreadsheet emailed to tribes for 30 day review on May 27, 2021.

No tribal comments received within 30 day review period.

Check if project does not involve ground disturbance [☐]

Assessment of Effect: ☐ No Potential to Cause Effect ☐ No Historic Properties Affected ☒ No Adverse Effect ☐ Adverse Effect ☐ Streamlined Review

Recommendations for conditions or stipulations:

Doc Method: Park Specific or Other Programmatic Agreement

[X] **Anthropologist**

Name: Dawn Bringelson

Date: 06/30/2021

Comments: May Tribal Spreadsheet comment period is closed; no comments were received.

Check if project does not involve ground disturbance [☐]

Assessment of Effect: ☐ No Potential to Cause Effect ☐ No Historic Properties Affected ☐ No Adverse Effect ☐ Adverse Effect ☐ Streamlined Review

Recommendations for conditions or stipulations:

[X] **Archeologist**

Name: Wesley Wills

Date: 05/25/2021

Comments: The project area was archeologically surveyed in 1975 and 1997 and no sites have been identified. No additional archeological work is planned.

Check if project does not involve ground disturbance [☐]

Assessment of Effect: ☐ No Potential to Cause Effect ☐ No Historic Properties Affected ☒ No Adverse Effect ☐ Adverse Effect ☐ Streamlined Review

Recommendations for conditions or stipulations:

Doc Method: Park Specific or Other Programmatic Agreement

[X] **Historical Landscape Architect**

Name: Vida Germano

Date: 06/15/2021

Check if project does not involve ground disturbance [☐]

Assessment of Effect: ☐ No Potential to Cause Effect ☐ No Historic Properties Affected ☒ No Adverse Effect ☐ Adverse Effect ☐ Streamlined Review

Recommendations for conditions or stipulations:

Doc Method: Park Specific or Other Programmatic Agreement

No Reviews From: Curator, Historical Architect, Historian, Other Advisor

C. PARK SECTION 106 COORDINATOR'S REVIEW AND RECOMMENDATIONS

1. Assessment of Effect:

Select with X	Assessment of Effect
n/a	No Potential to Cause Effects
n/a	No Historic Properties Affected
X	No Adverse Effect
n/a	Adverse Effect

2. Documentation Method:

☐ A. Standard 36 CFR Part 800 Consultation

Further consultation under 36 CFR Part 800 is needed.

☐ B. Streamlined Review Under the 2008 Servicewide Programmatic Agreement (PA)

The above action meets all conditions for a streamlined review under section III of the 2008 Servicewide PA for Section 106 compliance.

Applicable Streamlined Review Criteria

(Specify 1-16 of the list of streamlined review criteria.)

☒ C. Undertaking Related to Park Specific or Another Agreement

The proposed undertaking is covered for Section 106 purposes under another document such as a park, region or statewide agreement established in accord with 36 CFR 800.7 or 36 CFR 800.14.

☐ D. Combined NEPA/NHPA Process

Process and documentation required for the preparation of an EA/FONSI or an EIS/ROD to comply with Section 106 is in accord with 36 CFR 800.8.c.

☐ E. Memo to Project File

3. Consultation Information

SHPO Required: No

SHPO Sent:

SHPO Received:

THPO Required: Yes

THPO Sent: May 27, 2021

THPO Received: No response after 30 days

SHPO/THPO Notes:

Advisory Council Participating: No

Advisory Council Notes:

Additional Consulting Parties: No

4. Stipulations and Conditions: Following are listed any stipulations or conditions necessary to ensure that the assessment of effect above is consistent with 36 CFR Part 800 criteria of effect or to avoid or reduce potential adverse effects.

5. Mitigations/Treatment Measures: Measures to prevent or minimize loss or impairment of historic/prehistoric properties: (Remember that setting, location, and use may be relevant.)

Required Mitigations - For the proposed project actions to be within compliance requirements during construction and/or project implementation, the following mitigations must be adhered to:

No Cultural Resource mitigations have been identified for this project.

6. Assessment of Effect Notes:

Project is covered by the 2020 Yosemite Parkwide Programmatic Agreement category 9b.

D. RECOMMENDED BY PARK SECTION 106 COORDINATOR:

Section 106 Coordinator Signature: Hope Schear **Date:** July 1, 2021

E. SUPERINTENDENT'S APPROVAL

The proposed work conforms to the NPS *Management Policies* and *Cultural Resource Management Guideline*, and I have reviewed and approve the recommendations, stipulations, or conditions noted in Section C of this form.

Superintendent Signature: Cicely Muldoon **Date:** July 14, 2021



Other Compliance/Consultations Form

Park Name: Yosemite National Park

PEPC Project Number: 101079

Project Title: Arch Rock Radar Speed Limit Sign and Speed Bump

Project Type: Visitor Use Management Plan

Project Location:

County, State: Mariposa, CA

Project Leader: Gabriel Dominguez

ESA

Any Federal Species in the project Area? Yes

If species in area: No Effect

Was Biological Assessment prepared? No

If Biological Assessment prepared, concurred?

Formal Consultation required? No

Formal Consultation Notes:

The project is in modeled suitable and foraging Fisher habitat, though Fisher are not known to inhabit this area.

Formal Consultation Concluded:

Any State listed Species in the Project Area? No

Consultation Information:

General Notes:

Data Entered by: Daniel Sharon

Date: April 30, 2021

ESA Mitigations

No ESA mitigations are associated with this project.

Floodplains/Wetlands/§404 Permits

Question	Yes/No	Details
A.1. Is project in 100- or 500-year floodplain or flash flood hazard area?	No	Not in floodplain or flash flood hazard area.
A.2. Is Project in wetlands as defined by NPS/DOI?	No	Not in wetland as defined by NPS/DOI.
B. COE Section 404 permit needed?	No	No placement of fill in waters of the United States.
C. State 401 certification?	No	None
D. State Section 401 Permit?	No	Issue Date: Expiration Date:
E. Tribal Water Quality Permit?	No	None

Question	Yes/No	Details
F. CZM Consistency determination needed?	N/	N/A
G. Erosion & Sediment Control Plan Required?	No	None
H. Any other permits required?	No	Permit Information:
Other Information:	No	N/A

Data Entered by: Daniel Sharon

Date: April 30, 2021

Floodplains & Wetlands Mitigations

No Floodplains & Wetlands mitigations are associated with this project.

Wilderness

Question	Yes/No	Notes
A. Does this project occur in or adjacent to Designated, Recommended, Proposed, Study, Eligible, or Potential Wilderness?	No	None
B. Is the only place to conduct this project in wilderness?	No	None
C. Is the project necessary for the administration of the area as wilderness?	No	None
D. Would the project or any of its alternatives adversely affect (directly or indirectly) Designated, Recommended, Proposed, Study, Eligible, or Potential Wilderness? (If Yes, Minimum Requirements Analysis required)	No	None
E. Does the project or any of its alternatives involve the use of any of the Wilderness Act Section 4(c) prohibited uses: commercial enterprise, permanent road, temporary road, motor vehicles, motorized equipment, motorboats, landing of aircraft, mechanical transport, structure, or installation? (If Yes, Minimum Requirements Analysis required)	No	None
If the answer to D or E above is "Yes" then a Minimum Requirements Analysis is required. Describe the status of this analysis in the column to the right.	N/A	Initiation Date: Completed Date: Approved Date:
Other Information:	None	None

Data Entered by: Daniel Sharon

Date: April 30, 2021

Other Permits/Laws *Questions A & B are no longer used.*

Question	Yes/No
C. Wild and scenic river concerns exist?	Yes
D. National Trails concerns exist?	No
E. Air Quality consult with State needed?	No
F. Consistent with Architectural Barriers, Rehabilitation, and Americans with Disabilities Acts or not Applicable? (If N/A check Yes)	Yes
G. Other:	No

Other Information:

Project does not occur within the bed and banks of the Merced Wild and Scenic River but the new sign and speed bump will constitute a slight gain in contrasts along this scenic segment of the river. The sign will be located near existing signs and the developed area of the entrance station so the additional contrast will be minimal.

Data Entered by: Daniel Sharon

Date: April 30, 2021