



# CESWF

## Grant or Cooperative Agreement Award

Page 1 of 22

1. INSTRUMENT TYPE: Cooperative Agreement

2. AUTHORITY(S):

- 10 U.S.C. 2358
- 10 U.S.C. 2701
- 10 U.S.C. 2684a
- 16 U.S.C. 670c-1
- 33 U.S.C. 2339(a)

3a. ISSUED BY:

US Army Corps of Engineers  
Headquarters, 441 G Street NW  
Washington, DC 20314-1000

4. AGREEMENT PIIN  
(Proc. Inst. Ident. NO):

5a. AMEND NO:  
WO# 0004

6. PURCHASE REQUEST (PR&C):  
W45XMA62233040

4b. Master Agreement:  
W9126G-16-2-0004

5b. Amend Type:  
Bilateral

3b. ISSUING OFFICE DODAAC:  
W9126G

7. PROGRAM/PROJECT TITLE: Conservation/Recreation Interns to Perform  
Recreational Road Inventories for USACE Sacramento District.

3c. CFDA: 12.010

8a. ISSUED TO (RECIPIENT'S)  
ADDRESS:

The Student Conservation Association, Inc.  
4245 North Fairfax Drive  
Suite 825  
Arlington, Virginia 22203-1606  
POC: Ms. Aimee Dobrzeniecki  
Email: adobrzeniecki@thesca.org  
Phone: 703-524-2441

9. RECIPIENT TYPE (CHOOSE ONE BY CHECKING THE  
APPROPRIATE BOX):

- State Gov't
- Local Gov't
- Public/State Controlled Institution of Higher Education
- Hospital
- Other Nonprofit Organization
- For Profit (Lg Business)
- For Profit (Sm Business)
- County Gov't
- Municipal Gov't
- Private Higher ED Institution
- Small Business
- Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)

8b. RECIPIENT'S CAGE CODE: 09EU9

8c. RECIPIENT'S DUNS NUMBER: 040245227

8d. RECIPIENT'S TAX IDENTIFICATION No.: 91-0880684

10. PERIOD OF PERFORMANCE (Approximately)

FROM: 15 AUG 2016

TO: 31 DEC 2016 (16 Weeks)

11. AWARD HISTORY:

PREVIOUS	\$	0.00
THIS ACTION	\$	163,756.00
<b>TOTAL</b>	<b>\$</b>	<b>163,756.00</b>

Work Order No. 0004 for approximately 16 weeks from date of award. IAW 2 CFR 200.308 Para. (d)(1), the Cooperator has request pre-award cost be effective 15 AUG 16.

12. ACCOUNTING AND APPROPRIATIONS DATA: Page 14 of 22

13. APPLICABLE ENCLOSURES(S), IF CHECKED:

- TERMS and CONDITIONS
- REQUIRED PUBLICATIONS/REPORTS
- PROVISIONS
- OTHER: Statement of Objectives

14. IMPORTANT: Recipient  is not,  is required to sign this document and return 1 copies to the issuing office.

15. FOR THE RECIPIENT (IF APPLICABLE)

15a. NAME AND TITLE OF RECIPIENT

AUTHORIZED TO SIGN:

E-Signed : 08/31/2016 03:19 PM CDT

**Aimee Dobrzeniecki**

adobrzeniecki@thesca.org  
IP: 65.48.246.96

Sertifi Electronic Signature

DocID: 20160831140812089

16. FOR THE UNITED STATES OF AMERICA

16a. GRANTS OFFICER (Type or Print):

Maria E. Rodriguez

RODRIGUEZ.MAR

IA.E.1231838984

16b. \_\_\_\_\_

(Signature of Award Grants Officer)

Digitally signed by  
RODRIGUEZ.MARIA.E.1231838984  
DN: c=US, o=U.S. Government, ou=DoD,  
ou=PKI, ou=USA,  
cn=RODRIGUEZ.MARIA.E.1231838984  
Date: 2016.09.01 19:04:48 -05'00'

DATE: 1 Sep 2016

## Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001		1	Job	\$163,756.00	\$163,756.00
				Funded Amt:	\$163,756.00

Base Year

Project No. 403497

PO-00699739 - Four interns to perform Recreational Road Inventories for USACE, Sacramento District. All services shall be performed in accordance with the Terms & Conditions of the Master Agreement and SOO.

NAICS CD: 541620

, FSC CD: R499

"Only a Grants Officer has the authority to issue modifications or otherwise change the terms and conditions of this Cooperative Agreement. If an individual other than the Grants Officer attempts to make changes to the terms and conditions of this Cooperative Agreement you shall not proceed with the change and shall immediately notify the Grants Officer."

## Section C - Descriptions and Specifications

**Revised 29 Aug 16**  
**Statement of Objectives**  
**For**

**Conservation/Recreation Interns to Perform Recreational Road Inventories**

Master Cooperative Agreement No.: W9126G-16-2-0004

Work Order No. 0004

Between USACE and the **Student Conservation Association, Inc.**

### 1.0 PURPOSE

The US Army Corps of Engineers (USACE) recreation areas receive some of the highest visitation of any areas in the federal system. In 2012, the USACE was included in the Map-21 legislation as part of the Federal Lands Transportation Program. This program provides funding for road improvement and data collection activities associated with an agency's public transportation assets. In addition, USACE is a participant in Recreation.gov, an online reservation service for the federal agencies. In both programs, geospatial data has become a requirement. USACE has identified the need to develop, verify, and improve spatial data representing recreation and transportation facilities in USACE Water Resource Projects (Project). This information will be used to meet program requirements and to provide better information to visitors with regard to recreation on public land.

This data collection effort will be to create a product that meets the management needs of key business lines and programs within the USACE that utilize different internal databases. Additionally, in order to meet obligations to fund road improvement with funds provided from the USACE allocation of Federal Lands Transportation Program funding, spatial data representing the network of corps managed roads must be developed and maintained for use in GIS. Road network data may also be shared with local Emergency Management Agencies to advance public safety at corps projects. The effort to verify and inventory recreation facility locations and attributes will improve the spatial and descriptive accuracy of information used to manage the corps recreation program and the information presented to current and potential visitors.

This work order is in accordance with Master Agreement, Paragraph 2.2.5.2, Conservation/Recreation Teams.

#### Purposes:

- Collect geospatial and related attribute data for recreation and transportation assets.

- Improve transportation information available to key stakeholders, like US DOT, local DOT agencies, and local emergency services.
- Improve recreation facility information available on recreation.gov or on local division, district or project websites.
- Utilize existing data and systems where possible for source and collection of data.

#### 1.2 Number of Crews/Interns

One crew that consists of a leader and four participants/members.

#### 1.3 Participating Projects

Data collection will take place at Sacramento District Project with recreation assets as represented in the OMBIL database (10 Projects). They include the following USACE Projects:

Black Butte Lake  
Buchanan Dam H.V. Eastman Lake  
Englebright Lake  
Hidden Dam Hensley Lake  
Martis Creek Lake  
New Hogan Lake  
New Melones Lake (Stanislaus River)  
Pine Flat Lake  
Success Lake  
Terminus Dam Lake Kaweah

See Attachment C for List of Projects and summary data on assets at those projects expected to be mapped.

#### 1.4 Period of Performance

The crew will be utilized for a 16-week period that includes one week for training and one week for relocation and on-site equipment testing. The team leader period of performance is 24 weeks.

**\*Addendum:** SCA estimate included a period of performance for a team leader at 24 weeks.

## 2.0 AUTHORITY

2.1 In agreement with the above stated goals, the recipient/cooperator agrees to provide the necessary personnel, equipment, and materials required to implement, in part, the USACE's responsibilities pursuant to Section 213(a) of the Water Resources Development Act of 2000, further amended by Section 1047(e) and located at 33 U.S.C. 2339 (a).

## 3.0 DESCRIPTION OF OBJECTIVES

### 3.1 **Transportation Network Features**

#### Roads and Parking Areas:

The nature of corps managed roads falls into two general categories, Project roads on fee owned land and roads in recreation areas within fee owned land. Centerline digitization and linear referencing of features in each category is required as part of this data collection and mapping effort.

While developing this dataset, the use of ArcGIS Desktop software's editing and geoprocessing tools will be necessary to modify existing road network polyline data where available, or to create new polyline features based on interpretation of aerial or satellite imagery. Parking area polygon delineations based on aerial or satellite imagery will also be required as part of this mapping effort.

Potential sources of existing road network features for reference or modification include corps project and/or district offices, TIGER/LINE files, and TeleAtlas roads geometry, among others. The user will have these provided, as well as polygon delineations for projects and recreation areas

Example sources of aerial or satellite imagery for locations where new polyline data must be created, as well as to examine existing geometry, include The National Map download platform from USGS, or orthoimagery products from the USDA NRCS Geospatial Data Gateway.

Relational fields and attribute information associated with road network features will need to be created, and must meet required specifications set by the Department of Defense (DoD) Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE), as well as requirements from the FLTP program. USACE will provide a final SDSFIE compatible data model in Excel Format, a working draft version is attached. (Attachment A two files one for roads, one for parking)

The spatial accuracy of digitized road network and parking area features will need to be verified in the field with the use of hand held GPS units. This will require coordination with project staff and deployment to project sites with the geospatial data development team. Additionally, the accuracy of attribute information related to road network and parking area features will need to be verified with corps project staff to ensure correct feature descriptive information.

#### Other Transportation Features:

Vehicle Estimation and Reporting System (VERS) traffic meter locations will need to be verified as part of this transportation network mapping effort. Coordinates for meters found at project recreation areas will be provided, and must be verified using GPS in the field. For meters where the original coordinates need to be corrected, a new layer will be created with the use of the coordinates taken from the field verification. This layer will need to include all attributes of the existing dataset, including when a meter location is updated and key fields linking meters to information in existing databases.

Point locations representing bridge endpoints will also be included as a type of feature in the mapped transportation network. Bridge endpoint locations will be determined and features will be created with the use of aerial or satellite imagery and ArcGIS Desktop software, and subsequently verified with the use of GPS in the field. USACE will provide a SDSFIE compatible data model in Excel Format.

### 3.2 Recreation Facilities and Amenities

Point locations representing USACE managed recreation facilities and amenities provided by Recreation.gov will need to be checked, and missing features will need to be created, using aerial or satellite imagery in ArcGIS Desktop. Additionally, field verification using GPS will be required to ensure spatial accuracy. USACE will provide a SDSFIE compatible data model in Excel Format.

Features provided by Recreation.gov to be verified including but not limited to trail heads, campgrounds, day use areas, multi-purpose areas, scenic viewing areas, visitor centers, water access points, marinas, and boat ramps.

Attribute data associated with these features will be provided from the USACE Operations and Maintenance Business Information Link (OMBIL) database, and will need to be joined to the spatial dataset through a relational field. As with other features included in this mapping effort, the descriptive accuracy of both existing and newly created facilities and amenities location data will need to be verified with project staff and in the field.

### 3.3 Conservation Projects

Not more than twenty percent (20%) of the project should be dedicated to Conservation projects and activities that benefit both the recipient's education, training, and leadership goals and the USACE projects where they are working. This opportunity allows the crew members an expanded experience and will help participants to better understand the broad role of USACE and the work of field staff. See Attachment B for some conservation project suggestions.

### 3.4 Training

Providing location, housing and transportation for training is the responsibility of the recipient. The recipient will be responsible for providing technical training on GIS data collection and use of related software and equipment. USACE will provide training on specifications associated with specific elements to be mapped and attributes to be collected.

### 3.5 Travel and Housing

SCA is required to provide all lodging arrangements, recruiting, and mileage/transportation. In addition SCA is required to arrange travel to and from work locations for each student. Some of the USACE Projects may have campsites that can be

made available to the crew while working at that site. Actual availability will have to be determined after the timing, logistics and schedule of data collection are developed.

### 3.6 Uniforms

SCA will provide uniforms for each participant. Due to nature of work along roadways, participants should wear long pants and closed toe shoes while collecting data.

### 3.7 Funding

This work order is not to exceed \$280,000

## 4.0 QUALIFICATIONS

### 4.1 Minimum Qualifications:

- a. Working knowledge of Geographic Information System (GIS) practice and principals in a planning or natural resource management context.
- b. Familiar with and can use laptop computers.
- c. Familiar with software products such as word processing, spreadsheet, presentation, relational databases and geospatial mapping.
- d. Familiar with Global Positioning System (GPS) and devices or activities where GPS is utilized.
- e. Must wear required uniform while on duty.
- f. Must possess and maintain valid driver's license
- g. Possess good verbal and written communications skills.
- h. Physical ability to navigate campground loops, swim areas and visit campsites, lift 20 lbs and carry a 20 lb. object 25 feet (position may require extended periods in the outdoors during adverse conditions such as heat, cold or rain.)
- i. Ability to work as part of a team and take direction from USACE staff.

### 4.2 Desired Experience (Not Mandatory)

- a. Coursework, class exercises or degree in GIS, especially if in natural resources or planning context.
- b. Previous paid or volunteer experience in collecting GIS or GPS data.
- c. First Aid, CPR, AED training
- d. Customer service or work with public (participants are likely to encounter the visiting public during data collection activities at the Projects)
- e. Previous natural/environmental sciences or outdoor recreation experience as employee or volunteer.

## 5.0 GOVERNMENT FURNISHED MATERIALS OR PROPERTY

### 5.1 Facility and Office Equipment

During the period of performance, the government will not provide internet, telephone, drafting, printing, photocopying or photography equipment. Current DOD security measures mean that non Corps Computers are not allowed on the Corps network and access to USACE servers has been determined to not be required to complete this project. Recipient will need to provide a central work location for primary internet access and other office needs.

Some USACE Projects may have guest WI-FI and temporary office space while working at that location. Should be noted that internet speeds are slower in field locations and cellular signals may be weak or nonexistent. The central work location may be the crew's only high-speed internet access. Availability of office space and guest wi-fi will be determined after the timing, logistics and schedule of data collection are developed.

Army transportation, including fuel, will not be provided in performing data collection activities and fieldwork on the installation.

Government furnished materials or property is governed by 2 C.F.R. Part 200.312 which states that a) Title to federally owned property remains vested in the Federal Government. The non-federal entity must submit annually an inventory listing of federally-owned property in its custody to the Federal awarding agency. Upon completion of the Federal award or when the property is no longer needed, the non-Federal entity must return the property to the Federal awarding agency for further Federal agency utilization.

5.2 Facility: Temporary work space may be provided by the Government at each location if available. Availability of office space will be determined after the timing, logistics and schedule of data collection are developed.

### 5.3 Equipment:

Recipient is responsible for acquiring all equipment necessary to meet project requirements and deliverables. The following are some recommendations and/or specifications:

- Computer Hardware and Software that will allow for compatibility with ArcGIS 10
- Hand-held GPS units
- WI-FI hotspots for internet access when working at Field locations with no guest WI-FI
- Personal safety equipment suitable for working along roadways. Refer to USACE safety manual (EM 385-1-1) as appropriate. Link to manual - <http://www.usace.army.mil/SafetyandOccupationalHealth/EM38511,2008BeingRevised.aspx>
- Additional equipment as appropriate to meet project requirements and deliverables

USACE will provide an ACE-IT approved USB hard drive. This may be used to store electronic versions of the documents and data for delivery back to USACE during and at the conclusion of this project.

Government, if available, can allow the use of government property for this work order.

Government furnished materials or property is governed by 2 C.F.R. Part 200.312 which states that a) Title to federally-owned property remains vested in the Federal government. The non-Federal entity must submit annually an inventory listing of federally-owned property in its custody to the Federal awarding agency. Upon completion of the Federal award or when the property is no longer needed, the non-Federal entity must return the property to the Federal awarding agency for further Federal agency utilization.

## 6.0 COORDINATION

Meredith Bridgers, Federal Lands Transportation Program Manager  
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Recipient Representatives.  
The Student Conservation Association, Inc. (SCA)

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## 7.0 DELIVERABLES

### 7.1 Logistics and Schedule

Prior to training or collecting data, recipient should provide an operational plan that includes logistics and data collection schedule for review by Meredith Bridgers or another designated USACE staff member. Following that review, recipient may consult with Project POCs to discuss any arrangements or potential scheduling conflicts. The recipient may need to adjust the schedule based on activities occurring at a particular Project. A final schedule should be provided at least 1 month prior to data collection beginning.

### 7.2 Initial Data Assessment

At the conclusion of mapping approximately 10% of the assets, or when the first Project is completely mapped, a data assessment should take place. This would be an informal meeting that included representatives from the SCA, USACE FLTP program and District/Project operational staff to review data to ensure that it will meet project specifications, operational needs, and be compatible with USACE systems. Date and location of this assessment will be determined after data collection has begun.

8.3 Invoicing – Invoicing should be done as stated in chapter 4.1.2 of the Cooperative agreement award. Invoices should be sent no more frequently than monthly.

### 8.4 Final Deliverables

Within 30 days of the conclusion of data collection the recipient should provide to the USACE the following items:

- An FLTP and SDSFIE compatible geodatabase containing verified project and recreation area road network linear referenced polyline features and parking area polygon features for all projects mapped
- A layer containing verified traffic meter point locations compatible with the existing VERS database for all projects mapped.
- A layer containing as bridge endpoint features for all projects mapped.
- A geodatabase containing verified corps facilities and amenities point locations and attributes compatible with SDSFIE standard for all projects mapped.

- A written report detailing the methods utilized during the mapping effort and identifying strengths and weaknesses of using and modifying existing data, and the techniques used to create new data in the absence of existing data. The report will also require feedback to be used to make recommendations for improvement if this mapping effort were to continue to include more USACE districts.
- A brief written report detailing conservation project descriptions, hours and outcomes.

All data collected by the recipient is the property of the US government. While the assets that are being mapped are public and the related attribute data unclassified, the data may not be used or distributed by the recipient outside the scope of this work order.

8.5. Reporting Requirements. The following forms shall be utilized to meet reporting requirements:

- SF-428 Tangible Personal Property Report
- SF-428 A – Annual Report (reporting Federally-owned property)
- SF-428 B – Final Report
- SF-428 C – Disposition Request
- RPSR – Real Property Status Report
- RPSR Attachment A – General Reporting
- RPSR Attachment B – Request to Acquire, Improve or Furnish
- RPSR Attachment C – Disposition Request

9.0 Any resulting cooperative agreement is subject to and recipient/cooperator shall comply with 2 CFR 200.313 “Equipment”, 200.314 “Supplies”, and 200.315 “Intangible Property” which includes use of research data.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	N/A	N/A	N/A	Government

## Section F - Deliveries or Performance

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 15-AUG-2016 TO 31-DEC-2016	N/A	OPERATIONS DIVISION JENNIFER LINDE USAED CESWF-OD 819 TAYLOR ST, RM 4J14 FORT WORTH TX 76102-0300 817 886 1578 FOB: Destination	W9126G

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 096 NA X 2016 3122 000 0000 CCS: 999 M2 2016 08 2455 099993 96412 2540 2HF8H0

AMOUNT: \$163,756.00

CIN W5XMA622330400001: \$163,756.00

## Section I - Contract Clauses

**Terms and Conditions  
for COOPERATIVE AGREEMENT  
with Colleges, Universities or Other Non-profit Organizations**

**AUTHORITY**

The Department of Defense (hereinafter called DoD) manages nearly 30 million acres of land, and the natural and cultural resources found there, and for this agreement includes the Office of the Secretary of Defense, the Military Services, the Defense Logistics Agency, the National Guard Bureaus, and the Military Reserve Components. DoD's primary mission is national defense. DoD's conservation program supports this mission by ensuring realistic training areas, and managing its resources in ways that maximize available land, air, and water training opportunities. DoD environmental stewardship activities are authorized under the Sikes Act, as amended. In accordance with 16 U.S.C. § 670 (c)(1), 10 U.S.C. § 2358, 10 U.S.C. § 2694, 10 U.S.C. § 2684, and Pub. L. 103-139 (FY 94 NDAA, page 107 Stat. 1422). DoD is authorized to enter into cooperative agreements with States, nonprofit organizations, academic institutions, and other partners to support research, technical assistance, and educational services consistent with the mission of the DoD and the CESU Network.

The Secretary of the Army is authorized by 10 U.S.C. § 2358 and 2371 to perform research and development using grants, cooperative agreements, and transactions (other than contracts, cooperative agreements, and grants) ("other transactions"). By Delegation of Authority dated October 10, 2008, the Secretary of the Army delegated this authority to the Assistant Secretary of the Army (Acquisition, Logistics and Technology). By Delegation of Authority dated November 13, 2013, Assistant Secretary of the Army (Acquisition, Logistics and Technology), re-delegates this authority to the USACE PARC, subject to the conditions and limitations set forth below:

- (i) the authority to perform research and development using grants and cooperative agreements under Title 10 U.S.C § 2358, and
- (ii) the authority to enter into transactions (other than contracts, cooperative agreements and grants), under 10 U.S.C § 2371.
- (iii) the authority to enter into cooperative agreements with nongovernmental organizations to maintain & improve natural resources on, or to benefit natural and historic research on, Department of Defense installations, under 16 U.S.C § 670c-1.

**Administrative Information and Order of Precedence**

This agreement will be administered using the provisions as outlined in *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* 2 CFR part 200 and the *Department of Defense Grants and Agreements Regulations* (DoDGARs) (DoD 3210.6-R) as of the effective date of this award.

In the event of a conflict between the terms of this agreement and other governing documents, the conflict shall be resolved by giving precedence in descending order as follows:

1. 2 CFR part 200;
2. The DoDGARs;
3. The Award;
4. The articles contained in the agreement.

**MODIFICATIONS TO THIS AGREEMENT:**

Modifications to this agreement may be proposed by either party. The recipient shall submit requests to change the agreement to the Program Manager with a copy to the Grants Officer at least 30 calendar days before the desired

effective date. Only the Grants Officer has the authority to act on behalf of the Government to modify this agreement.

**Bilateral Modifications:** Bilateral modifications may be issued by the Grants Officer for any changes to the Scope of Work, any decrease in funds or increase in funds due to a change in the Scope of Work, and any termination or cancellation of the agreement. Bilateral modifications require the signatures of an authorized representative of the Recipient and the Grants Officer.

**Unilateral Modifications:** The Government may implement administrative changes to this agreement as a unilateral modification. For the purposes of this agreement, administrative changes include a change in paying office, change in appropriation data, change in phone number of POC, changes in the Grants Officer, points of contact specified for the Federal Government or recipient, changes in address or phone numbers or email addresses, and corrections of obvious typographical or calculation errors. The grants officer may also make unilateral changes to exercise pre-negotiated options which do not change the cost or scope of work previously accepted. Unilateral modifications require the signature of the Grants Officer only.

**PERIOD OF PERFORMANCE:**

The period of performance for this agreement shall is specified in writing on the front page to each agreement and as noted in section F (Deliveries or Performance) of the agreement or unless modified in accordance with section § 200.308 of this document.

**OPTIONS: If the agreement contains option (s) the following applies.**

The government reserves the right to exercise pre-negotiated and accepted Option(s) unilaterally.

**OFFICIALS NOT TO BENEFIT:**

No member of or delegate to Congress, or resident commissioner, shall be admitted to any share or part of this agreement, or to any benefit arising from it, in accordance with 41 U.S.C. 22.

**SEE- 2 CFR 200.101 (b) Sub-awards**

Unless specifically excluded, these provisions shall apply to sub-recipients performing work under awards.

**SEE-2 CFR 200 Subpart D Standards for Financial Management Systems**

Recipients' financial management systems shall comply with the standards identified in 2 CFR 200.300 - .305

**SEE-2 CFR 200.305 Payment**

Electronic Commerce (EC) and Electronic Funds Transfers (EFT) are the preferred methods to process payment requests and related actions.

**Reimbursement Payments (Normal Method of Payment):** The recipient may submit requests for reimbursement quarterly within 30 calendar days of the January 1, April 1, July 1, and September 30 reporting periods. Requests for reimbursement will be submitted on SF-270, "Request for Advance or Reimbursement." It shall be submitted to the Program Manager, USACE Fort Worth District. Payment will be made by EFT. Please insure an email address is provided in the "Printed Name and Title" block to insure a method of prompt communication should the need arise. Request for reimbursement should be sent via email to [swf-cesu-invoice@usace.army.mil](mailto:swf-cesu-invoice@usace.army.mil)

**Advanced Payments (Must be agreed to before agreement award):**

Payment will be made in advance of performance based upon a spending profile that was negotiated and stated in the Award. Submissions of invoices, SF 270s, Request for Advance or Reimbursement are not required. The U.S Government may unilaterally adjust the schedule of payments - or take other actions permitted by § 200.305 if the

recipient's balance of cash on hand becomes excessive as determined by U.S. Government monitoring of the Federal Financial Report (SF 425).

Advances shall be deposited and maintained in interest bearing accounts, unless the conditions of § 200.305 (8) apply. Interest earned from advances shall be remitted annually to:

Department of Health and Human Services (HHS)

Payment Management System

Through an electronic medium using either Automated Clearing House (ACH) network or a Fedwire Funds Service payment:

For ACH returns

Routing number:051036706

Account number: 303000

Bank Name and Location: Credit Gateway – ACH Receiver St. Paul, MN

For Fedwire Returns

Routing Number: 021030004

Account number: 75010501

Bank Name and Location: Federal Reserve Bank Treas NYC/Funds Transfer Division New York, NY

#### **SEE-2 CFR 200.307**

#### **Program Income**

Recipients are required to account for program income related to projects financed in whole or in part with Federal funds. Program income earned during the project period will be retained by the recipient and shall be added to the funds committed by the sponsoring DoD component and used to further eligible program objectives.

#### **SEE-2 CFR 200.308**

#### **Revision of Budget/Program Plans**

Recipients are required to report deviations from budget and program plans and request prior approvals for budget and program plan revisions in a timely manner for the following:

For non –construction Federal awards,

recipients must request prior approvals for

- Change in the scope or the objective of the project or program, even if there is no associated budget revision requiring prior written approval. See § 200.308(c)(1)
- The need for additional Federal funding. See § 200.308(c)(8)

The Federal awarding agency is authorized t, at its option, to waive prior written approval for the following program or budget revisions. See § 200.308 (d)

- Change in key personnel specified in the application or award document. See § 200.308 (c)(2) **WAIVED**
- The absence for more than three (3) months, or a 25 percent reduction in the time devoted to the project, by the approved project director or principal investigator. See § 200.308 (c)(3) **WAIVED**
- The inclusion of costs, unless waived by the Federal Awarding agency, of costs that require prior approval in accordance with Subpart E – Cost principles Applicable to Research and Development under Awards and Contracts with Hospitals, or 48 CFR part 31, “Contract Cost Principles and Procedures,” as applicable. See § 200.308 (c)(4) **WAIVED**
- The transfer of funds budgeted for participant support costs as defined in 200.75 Participant support costs to other categories of expense. See § 200.308 (c)(5) **WAIVED**

- Unless previously described in the application and funded in the approved award, the sub-award, transfer or contracting out of any work under this award. See §200.308 (c)(6) **WAIVED**
- Changes in the approved cost-sharing or matching provided by the non-Federal entity. No other prior approval requirements for specific items may be imposed unless an exception has been approved by OMB. See §200.308 (c)(7) **WAIVED**

Such Federal awarding agency Waivers may also include allowing the recipient to: See §200.308 (d)

**Pre-award Costs 2 CFR 200.308 (d) (1)**

The Recipient may incur costs 90 calendar days before the Federal awarding agency makes the Federal award. Expenses more than 90 calendar days pre-award require prior approval of the Federal awarding agency. All costs incurred before the Federal awarding agency makes the Federal award are at the recipient's risk (i.e. the Federal awarding agency is under no obligation to reimburse such costs if for any reason the recipient does not receive a Federal award or if the Federal award is less than anticipated and inadequate to cover such costs). See also § 200.458 Pre-award costs. **ALLOWED**

**No Cost POP extension 2 CFR 200.308 (d) (2)**

The recipient may initiate a one-time extension of the period of performance by up to 12 months unless one or more of the conditions outlined in paragraphs (d)(2)(i) through (iii) apply. For one-time extensions, the recipient must notify the Federal awarding agency in writing with the supporting reasons and revised period of performance at least 10 calendar days before the end of the period of performance specified in the Federal award. This one-time extension may not be exercised merely for the purpose of using cooperator unobligated balances. **ALLOWED**

Carry forward unobligated balances to subsequent periods of performance. See § 200.308 (d) (3)  
**ALLOWED**

The Federal awarding agency may, at its option, restrict the transfer of funds among direct cost categories or programs, functions and activities for Federal awards in which the Federal share of the project exceeds the Simplified Acquisition Threshold and the cumulative amount of such transfers exceeds or is expected to exceed 10 percent of the total budget as last approved by the Federal awarding agency. The Federal awarding agency cannot permit a transfer that would cause any Federal appropriation to be used for purposes other than those consistent with the appropriation. See § 200.308(e)

All other changes to non-construction budgets, except for the changes described in paragraph (c) of § 200.308, do not require prior approval.

**SEE-2 CFR 200 Subpart F**

**Non-Federal Audits**

Recipients and sub-recipients that are institutions of higher education or other non-profit organizations (including hospitals) shall be subject to the audit requirements contained in the Single Audit Act Amendments of 1996 (31 U.S.C. 7501-7507) and 2 CFR 200 Subpart F "Audit Requirements."

**SEE-2 CFR 200 Subpart E**

**Allowable Costs**

Allowability of costs shall be determined in accordance with the cost principles applicable to the entity incurring the costs. For institutions of higher education that may be recipients, sub-recipients, or contractors the allowability is determined in accordance with the provisions 2 CFR 200 Subpart E – "Cost Principles."

**SEE-2 CFR 200.309**

**Period of Performance**

A non-Federal entity may charge to the Federal award only allowable costs incurred during the period of performance (except as described in § 200.461 Publication and printing costs) and any costs incurred before the

Federal awarding agency or pass-through entity made the Federal award that were authorized by the Federal awarding agency of pass-through entity.

If the agreement is partially funded the following applies;

All partially funded agreements will indicate the period of performance for which funding has been allocated, or specify the level of effort supported by allocated funding. In no event is the U.S. Government obligated to reimburse the recipient for expenditures in excess of the total funds initially allotted by the U.S. Government to this agreement. The U.S. Government anticipates that from time to time additional amounts will be allotted to this agreement by unilateral or bilateral modification, until the total U.S. Government share is fully funded.

If additional funds are not made available, this agreement may be terminated pursuant to section 200.339 entitled *Termination*. The recipient is not obligated to continue performance or otherwise incur costs in excess of (i) the amount then allotted to the agreement by the U.S. Government or, (ii) if this is a cost-sharing agreement, the amount then allotted by the U.S. Government to the agreement plus the recipient's corresponding share, until the grants officer notifies the recipient in writing that the amount allotted by the U.S. Government has been increased and specifies an increased amount, which shall then constitute the total amount allotted by the U.S. Government to this agreement. When and to the extent that the amount allotted by the U.S. Government to the agreement is increased, any costs the recipient incurs before the increase that are in excess of (i) the amount previously allotted by the U.S. Government or (ii) if this is a cost-sharing agreement, the amount previously allotted by the U.S. Government to the agreement plus the recipient's corresponding share, shall be allowable to the same extent as if incurred afterward, unless the grants officer issues a termination or other notice and directs that the increase is solely to cover termination or other specified expenses.

#### **SEE-2 CFR 200.310-317**

#### **Property Standards**

Management and disposition of equipment, property, supplies and other expendable property purchased by the recipient to comply with the terms of this agreement shall be in accordance with the uniform standards set forth in 2 CFR part 200.310-317. The recipient may use its own property management standards and procedures provided it observes the provisions set forth in 2 CFR 200.310 through § 200.317. Supplies shall be managed in accordance with 2 CFR 200.314.

Title to Federally-owned property remains vested in the Federal Government (see § 200.312(a)). Recipients shall submit annually an inventory listing of federally-owned property in their custody to the Program Manager. Upon completion of the award or when the property is no longer needed, the recipient shall report the property to the Program Manager for further Federal agency reutilization.

Title to property acquired with Federal funds in support of the program or project herein vests with the recipient without further obligation to the Federal Government in accordance with § 200.312 (c).

All rights and title to data, as defined in 48 CFR 27.401, generated under this agreement shall vest in the recipient.

The recipient hereby grants to the U.S. Government a royalty-free, worldwide, nonexclusive, irrevocable license to use, modify, reproduce, release, perform, display, or disclose any data for Government purposes.

The recipient is responsible for affixing the appropriate markings indicating the rights of the Government on all data delivered under this agreement. The Government will have unlimited rights in all data delivered without markup.

The recipient shall include this section, suitably modified to identify the parties, in all lower tier contracts and awards, regardless of tier, for experimental, developmental, or research work.

#### **SEE-2 CFR 200.313**

#### **Equipment**

Title to equipment acquired by the recipient using Federal funds with a current market value of more than \$5,000 shall vest with the recipient subject to conditions of 2 CFR 200.313.

**SEE-2 CFR 200.314****Supplies**

Title to supplies (including computing devices) will vest in the non-Federal entity upon acquisition subject to conditions in 2 CFR 200.314.

**SEE-2 CFR 200.315****Intangible Property**

Title to intangible property acquired under a Federal award vests upon acquisition in the non-Federal entity subject to conditions in 2 CFR 200.315. DoD reserves a royalty-free, nonexclusive and irrevocable right to reproduce, publish, or otherwise use the work for Federal purposes, and to authorize others to do so.

**SEE-2 CFR 200.317-326****Procurement Standards**

The recipient's procurement system shall comply with the standards identified in part § 200.317 through 326 for use by recipients in establishing procedures for the procurement of supplies and other expendable property, equipment, real property, and other services with Federal Funds. The non-Federal entity must use its own documented procurement procedures which reflect applicable State, local and Tribal laws and regulations, provided that the procurements conform to applicable Federal law and the standards identified in this part.

**SEE-2 CFR 200.328-332****Monitoring and Reporting Program Performance**

Recipients shall monitor the program and submit performance reports in accordance with 2 CFR 200.328. Reports may be submitted in computer or electronic forms.

The required performance reports identified in the Cooperative Agreement statement of work or statement of objectives prescribes the frequency with which performance reports shall be submitted. Unless stated otherwise performance in the award reports shall be due quarterly. The type of information to be contained in the performance report is identified in 2 CFR 200.328. In addition, the report should include the percentage of work completed, and the expected completion of future work. Each comment should be associated with a line item on the agreement.

FINAL PERFORMANCE REPORTS are due 90 calendar days after the expiration date or termination of the award.

**SEE-2 CFR 200. 327****Financial Reporting**

The recipient shall use SF-270 to report the status of funds for all projects or programs. The form shall be submitted not later than 30 calendar days after the end of the specified reporting period (quarterly unless specified for a longer period in the award), and 90 days for annual and final reports.

GRANT/COOPERATIVE AGREEMENT COMPLETION: A FINAL SF-425 is required at the completion of the project. Also required is the DD Form 882, Report of Inventions and Subcontracts.

All forms should be submitted to the program manager at the following email address: [SWF-CESU-INVOICE@usace.army.mil](mailto:SWF-CESU-INVOICE@usace.army.mil)

**SEE-2 CFR 200.333-335****Retention and Access Requirements for Records**

Recipient's financial records, supporting documents, statistical records, and all other records pertinent to the award shall be retained and access to them permitted in accordance with 2 CFR 200.333 through § 200.337. Copies in either electronic or computer format may be substituted for original records.

**SEE-2 CFR 200.339****Termination and Enforcement**

This agreement may be terminated in whole or in part by either party pursuant to 2 CFR 200.339 (a-b). In addition to the remedies identified in 200.339, the Government may use any of the remedies identified in § 200.338 when determined appropriate.

Should the recipient be unable to complete the project, all unexpended monies in addition to any expended amounts determined unallowable in accordance with 2 CFR Part 220 and shall be returned to the U.S. Army Corps of Engineers (USACE).

**SEE-2 CFR 200.341                      Disputes, Claims and Appeals**

Recipient claims, disputes and appeals of Grants Officers' decisions shall be processed in accordance with the procedures in 2 CFR 200.341-342.

**SEE-2 CFR 200.343-345                      Post-award Requirements**

Closeout, adjustment and collection of amounts due shall be accomplished in accordance with 2 CFR 200.343-345 and Subpart F. The agreement cannot be closed until the recipient delivers to the Government all disclosures of subject inventions, a final report pursuant to 2 CFR 200.328, and a final financial report pursuant to 2 CFR 200.327. The Grants Officer may make a settlement for any downward adjustments to the Federal share of costs after closeout reports are received.

**SEE-2 CFR 200.345                      Collection of Amounts Due**

The USACE SWF District will follow the procedures set forth in 2 CFR 200.345 for the collection of any debt owed to the Federal Government.

**SEE-37 CFR part 401                      Rights to Inventions Made Under a Contract, Grant or Cooperative Agreement**

Contracts, grants, or cooperative agreements for the performance of experimental, developmental, or research work shall provide for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements." Any intent to seek patents for any inventions resulting from research conducted using a Department of Defense grant or cooperative agreement must be disclosed on the DD form 882, Report of Inventions and Subcontracts, as described in section 2 CFR 200.315 of this document.

**Live Animals (if applicable)**

Rules on animal acquisition, transport, care, handling, and use are found in 9 CFR parts 1-4, Department of Agriculture rules implementing the Laboratory Animal Welfare Act of 1966 (7 U.S.C. 2131-2156), and guidelines in the National Academy of Science (NAS) "Guide for the Care and Use of Laboratory Animals" (1966), including the Public Health Service Policy and Government Principles Regarding the Care and Use of Animals in Appendix D to the guide.

**SEE - Section 743 of the Financial Services and General Government Appropriations Act, 2015 (Division E of the Consolidated and Further Continuing Appropriations Act, 2015, Pub. L. 113-235)**

**Prohibition on Using Funds under Grants and Cooperative Agreements with Entities that Require Certain Internal Confidentiality Agreements.**

(a) The recipient may not require its employees, contractors, or subrecipients seeking to report fraud, waste, or abuse to sign or comply with internal confidentiality agreements or statements prohibiting or otherwise restricting them from lawfully reporting that waste, fraud, or abuse to a designated investigative or law enforcement representative of a Federal department or agency authorized to receive such information.

(b) The recipient must notify its employees, contractors, or subrecipients that the prohibitions and restrictions of any internal confidentiality agreements inconsistent with paragraph (a) of this award provision are no longer in effect.

(c) The prohibition in paragraph (a) of this award provision does not contravene requirements applicable to Standard Form 312, Form 4414, or any other form issued by a Federal department or agency governing the nondisclosure of classified information.

(d) If the Government determines that the recipient is not in compliance with this award provision, it:

(1) Will prohibit the recipient's use of funds under this award, in accordance with section 743 of Division E of the Consolidated and Further Continuing Resolution Appropriations Act, 2015, (Pub. L. 113-235) or any successor provision of law; and

(2) May pursue other remedies available for the recipient's material failure to comply with award terms and conditions

Attribute Name	Data Type	Field Length	Definition	Description	Note	Enumeration and List of Enumerants	List of Enumerants Alternative Names	Crosswalk to FLH
sdsId	GUID		A unique identifier for all features and objects in the SDSFIE.					
assetType	String	7	Type of asset for vehicular use with improved surface	Types per EM 1110-2-410 chapter 7, Parking.		enumeration is "AssetType" [onRoad, offRoad, terminal]	[On-Road, Off-Road, Terminal]	ASSET_TYPE
userAccess	String	10	Indicates if the parking lot is open to the public or not.	Per 23 USC 125, public roads are defined as "a road that, except during scheduled periods, extreme weather conditions, or emergencies, the road is open to the general public for use with a standard passenger vehicle without restrictive gates or prohibitive signs or regulations, other than for general traffic control or restrictions based on size, weight, or class of registration." Parking generally not meeting this definition should be enumerated as non-public.		enumeration is "UserAccessType" [public, nonPublic]	[Public, Non-Public]	USER_ACCESS
flmaPartner	String	50	Indicates the Federal Lands Transportation Program participating agency fee boundary or easement the parking lot falls within.	Covers all transportation assets at Corps of Engineers projects. Managed by will allow for indicator of entity where maintenance responsibility is vested. Would cover roads in the fee boundary where the Corps of Engineers has a vested interest including outgrans, regardless of the managing entity. In the case of lease to other Federal Land Management Agency, this may result in duplication with their Federal Lands Transportation Program inventory.	For Corps of Engineers, value will be USACE. Different from managed by.			FLMA_PARTNER
managedBy	String	23	Indicates the entity (find better word that would be inclusive of businesses) in which parking lot maintenance and management responsibility is vested.		Source of enumerates is Operations and Maintenance Business Information Link managed by variable under Recreation. For Recreation Project Site Areas value should match OMBIL unless lease/easement specifies a different responsibility for roads.	enumeration is "ManagedByType" [allOthersQuasiPublic, concessionaire, corpsOfEngineers, localGovernment, otherFederalAgency, state]	[All Others (Quasi Public), Concessionaire, Corps of Engineers, Local Government, Other Federal Agency, State]	MANAGED_BY_TYPE
fltp	String	10	Indicator is the parking lot is included in the the Agencies FLTP network.		All USACE public transportation assets are included in the FLTP Network.	enumeration is "ManagedByFLTP" [yes, no, partial]	[Yes, No, Partial]	FLTP
state	String	2	Two character postal code to indicate the state in which the parking lot lies					STATE
district	String	3	Three character code that indicates USACE district.					FLMA_REGION
psid	String	25	Project Site ID from OMBIL.					FLMA_UNIT_ID
psaid	Long Integer		Project Site Area ID from OMBIL.					
functionClass	Long Integer		Function class based on USACE transportation asset function class table	Function class 1 refers to project parking, class 2 refers to area parking, class 3 refers to service/administrative parking		enumeration is "FunctionClass" [1, 2, 3]	[1, 2, 3]	FUNCT_CLASS
parkingSeq	Long Integer		Number assigned to segment. Start from 001 for each Project Site Area parking lot. Start from 001 for Project parking lots.		Numbering should start from the outer boundary of the PSA working in and around the park in the manner in which roads are encountered. For project level transportation assets start from the dam or resources office and work clockwise around the Project.			
vehicleParkingIdPK	String	25	Primary Key. A unique, user defined identifier for each record or instance of an entity.					FLMA_ROUTE_IDENT
sdsFeatureDescription	String	(MAX) 2147483647	A narrative describing the feature.					
sdsFeatureName	String	80	The common name of the feature.		Typically this information will come from the District or Project.			RTE_NAME
featureNameStatus	String	10	Indicator if common name is official or unofficial name		Only a District or Project can verify if a given name is official or not.	enumeration is "FeatureNameStatus" [official, unofficial]	[Official, Unofficial]	
alias	String		Alternate name that the feature is known by.					

pavedStatus	String	7	Discriminator - The paving status of the parking area.	Status of transportation asset entity; for example, proposed, under construction, open to traffic, abandoned, and so on.	enumeration is "PavementStatus" [nA, paved, tbd, unpaved]	[NA, Paved, Unpaved, TBD]	PARKING_STATUS_TYPE
pavementMaterial	String	11	Type of different materials used to construct the surface.		enumeration is "PavementMaterial" [aC, aCPC, bBM, brick, chippedSeal, concrete, coral, crushStone, earth, grass, gravel, nA, other, sod, tbd, unimproved]	[Asphaltic Concrete, Asphalt Over Concrete Overlay, Bitumen Bond Macadam, Brick, Chipped Seal, Concrete, Coral, Crushed Stone, Earth, Grass, Gravel, NA, Other, Sod, TBD, Unimproved]	SURF_TYPE
stripedYN	String	25	Indicator is parking has striping for spaces		enumeration is "StripedYesNo" [yes, no]	[Yes, No]	
numberOfCarSpaces	Integer		The total car parking spaces available in the area including handicapped or reserved spaces.				
numberOfTrailerSpaces	Integer		The total trailer parking spaces available in the area including handicapped or reserved spaces.				
squareFeet	Double		Parking square foot area				SQ_FEET
mediaIdFK	String	20	Used to link the record to associated multimedia records that reference data such as imagery, video, audio, scanned documents, drawings, and other digital media. See your service implementation guidance for details as to the target of this foreign key.				
realPropertySiteUniqueid	Integer		The unique identifier (UID) used to permanently identify a Site. This UID will be a Real Property Site Unique Identifier (RPSUID). Source: RPIM 4.0a, November 4, 2010.				
realPropertyUniqueidIdentifier	String	18	The real property unique identifier (RPUID) is a non-intelligent code used to permanently and uniquely identify a real property asset. Source: RPIM 4.0a, November 4, 2010.				
femId	String		Asset ID from FEM				
propertyIDCode	String	20	This unique identifier will be used to link Civil Works Real Property Assets to REMIS.				
createDate	Date		Date the parking lot feature was created in the layer				
editBy	String	50	Editor of the parking lot feature in the layer				
editDate	Date		Date the parking lot feature was edited in the layer				
sdsMetadataId	String	80	The foreign key to a metadata record.				

Attribute Name	Data Type	Field Length	Definition	Description	Note	Enumeration and List of Enumerants	List of Enumerants Alternative Names	Crosswalk to FLH
sdsid	GUID		A unique identifier for all features and objects in the SDSFIE.					
assetType	String	7	Type of asset for vehicular use with improved surface	Per 23 USC 125, public roads are defined as "a road that, except during scheduled periods, extreme weather conditions, or emergencies, the road is open to the general public for use with a standard passenger vehicle without restrictive gates or prohibitive signs or regulations, other than for general traffic control or restrictions based on size, weight, or class of registration." Roads not meeting this definition should be enumerated as non-public.		enumeration is "AssetType" [road, wayside, boatkamp, driveway, ramping\$spur, travel\$route]	[Road, Wayside, Boat Ramp, Driveway, Camping Spur, Travel Route]	ASSET_TYPE
userAccess	String	10	Indicates if the segment is open to the public or not.			enumeration is "UserAccessType" [public, nonPublic]	[Public, Non-Public]	USER_ACCESS
allowPublicNonmotorized	String	3	For service roads only. Indicate if Public use is permitted by non-motorized means for recreation.	For example use of service roads by pedestrians or bicycles for recreation activity.	Use NA if Functional Class is 1, 2, 5 or 6. This field is only to provide additional info about service roads.		[NA, Yes, No]	
managedBy	String	23	Indicates the entity (find better word that would be inclusive of businesses) in which road maintenance and management responsibility is vested.		Source of enumerates is Operations and Maintenance Business Information Link managed by variable under Recreation. For Recreation Project Site Areas value should match OMBIL unless lease/easement specifies a different responsibility for roads.	enumeration is "ManagedByType" [allOthersQuasiPublic, concessionaire, corpsOfEngineers, localGovernment, otherFederalAgency, state]	[All Others (Quasi Public), Concessionaire, Corps of Engineers, Local Government, Other Federal Agency, State]	MANAGED_BY_TYPE
fltp	String	10	Indicator is the road segment is included in the Agencies FLTP network.		All USACE public road are included in the FLTP Network.	enumeration is "ManagedByFLTP" [yes, no, partial]	[Yes, No, Partial]	FLTP
state	String	2	Two character postal code to indicate the state in which the road segment lies					STATE
district	String	3	Three character code that indicates USACE district.		For Recreation areas, this would come from the OMBIL PSA list			FLMA_REGION
psid	String	25	Project Site ID from OMBIL					
psaid	Long Integer		Project Site Area ID from OMBIL		enter "0" if road segment is not located in Project Site Area			FLMA_UNIT_ID
functionClass	Long Integer		Functional class based on USACE Function Class table.					FUNCT_CLASS
roadSeq	Long Integer		Number assigned to segment. Start from 001 for each Project Site Area. Start from 001 for Project function class roads.		Numbering should start from the outer boundary of the PSA working in and around the park in the manner in which roads are encountered. For project level roads start from the dam or resources office and work clockwise around the project.			
roadSeqSuffix	String	4	Additional value that can be added to indicate a splitter that is related to another road segment or transportation asset.		Use "s" plus sequential number (ex c1) as needed for a splintered portion of road (ex opposite side of gate house or triangle intersection). Use "tp" plus sequential number for travel lane through parking lot. If camping parking pad, use c plus site number (ex c101)			
roadSegIdPK	String	25	Primary Key. A unique, user defined identifier for each record or instance of an entity.					FLMA_ROUTE_IDENT
fromDesc	String	50	latitude and Longitude					FROM_DESC
toDesc	String	50	latitude and Longitude					TO_DESC
sdsfeatureDescription	String	(MAX) 2147483647	A narrative describing the feature. Can include narrative of start and end points if desired.					
sdsfeatureName	String	80	The common name of the feature.					RTE_NAME
featureNameStatus	String	10	Indicator if common name is official or unofficial name			enumeration is "FeatureNameStatus" [official, unofficial]	[Official, Unofficial]	

alias	String		Alternate name that the feature is known by.					
segmentLength	Float		Length of the RoadSeg feature, which may differ from the field measured length due to differences in calculation.					
segmentLengthUom	String		The unit of measure for segment length dimensions.	16	enumeration is "GspLengthUom" [astronomicUnit, centimetre, dataMile, decafoot, decaKilometre, decametre, decifoot, decimetre, decinauticalMile, fathom, foot, halfFoot, halfHectometre, halfMetre, hectofoot, hectokilometre, hectometre, inch, kilofoot, kilometre, kiloyard, metre, micrometre, millimetre, nA, nanometre, nauticalMile, picometre, statuteMile, TBD, usSurveyfoot, usSurveyMile, yard]	[Astronomic Unit, Centimetre, Data Mile, Decafoot, Decakilometre, Decametre, Decifoot, Decimetre, Decinautical Mile, Fathom, Foot, Half Foot, Half Hectometre, Inch, Kilofoot, Kilometre, Kiloyard, Metre, Micrometre, Millimetre, NA, Nanometre, Nautical Mile, Picometre, Statute Mile, TBD, US Survey Foot, US Survey Mile, Yard]		
isAnchorSection	String		Indicates whether the RoadSeg is an anchor section. An anchor section represents a section of road between two known and recoverable locations, that is to say, anchor points. Anchor sections state the official length of a road segment. Anchor points say where the anchor section starts and ends. The function of anchor sections is to support the collection of data by providing an all distances measured on this piece of road shall add up to this length 1 checksum.	1	enumeration is "isAnchorSection" [t, f]	[True, False]		
fieldMeasure	Float		Length of segment, as determined in the field; if isAnchorSection = True, then this is the official length of the segment for the linear reference system.				RTE_LENGTH	
roadSegStatus	String		Status of segment entity; for example, proposed, under construction, open to traffic, abandoned, and so on.	17	enumeration is "RoadSegStatusType" [abandoned, nA, openToTraffic, proposed, TBD, underConstruction]	[Abandoned, NA, Open to Traffic, Proposed, TBD, Under Construction]	ROAD_STATUS_TYPE	
surfaceType	String		Type of material used to construct the feature surface. Primary surface type.	25	enumeration is "SurfaceType" [aC, aCPC, asphConc, bBM, brick, chippedSeal, concrete, coral, crushStone, earth, grass, gravel, other, sod, TBD, unimproved]	[Asphaltic Concrete, Asphalt Over Concrete Overlay, Bitumen Bond Macadam, Brick, Chipped Seal, Concrete, Coral, Crushed Stone, Earth, Grass, Gravel, NA, Other, Sod, TBD, Unimproved]	SURF_TYPE	
width	Float		Average width of the road segment.				RTE_WIDTH	
lanes	Short Integer		Number of lanes on the majority of the road segment				NO_LANES	
stripedYN	String		Indicator is the feature at a minimum has center line striping.	25	enumeration is "StripedYesNo" [yes, no]	[Yes, No]		
verificationDate	Date		Date that feature was verified with appropriate authorities.		This can be done via a field visit or online meeting with Project		VER_DATE	
mediaIdFK	String		Used to link the record to associated multimedia records that reference data such as imagery, video, audio, scanned documents, drawings, and other digital media. See your service implementation guidance for details as to the target of this foreign key.	20				
realPropertyUniqueIdentifier	String		The real property unique identifier is a non-intelligent code used to permanently and uniquely identify a real property asset. Source ID from REMIS	18				
formId	String		Asset ID from FEM	50				
createBy	String				Use editor tracking in Arc			
createDate	Date				Use editor tracking in Arc			
editBy	String				Use editor tracking in Arc			
editDate	Date				Use editor tracking in Arc			
idsMetadataId	String		The foreign key to a metadata record.	80				

## Potential Conservation / NRM / Educational Opportunities

Conservation projects may range from a single long-term project to a series of one-day activities that give the crew members a range of experiences that connect with their interests and abilities. These should be grounded in the Section 213 authority related to providing training and educational opportunities and will serve to expand their experience working with the Corps of Engineers. Due to the age and experience of the team members they may be able to take on more complex projects than a typical volunteer group. They should work as a group as much as possible. Here is a categorized list of ideas of some possibilities, but the crew should feel free to come up with other ideas as they get to know the needs of the Projects:

### **Educational / General Activities or Projects:**

- Conduct an educational presentation about project / region
- Attend/support a scheduled public meeting addressing project/community relations
- Help prepare or staff a special event at the project
- Help develop spreadsheet / database, such as scheduling program or records archive, needed by project.
- Work with the Project's recreation or stewardship friends group on an activity
- Shadow a Ranger or other staff member for a day in the office or the field
- Support Water Safety activities, such distribution of water safety education, stocking life jacket borrow station, etc.

### **Recreation Activities or Projects:**

- Staff visitor/information center for a day
- Trail construction, maintenance, or cleanup
- Assist with construction or repair projects in the parks
- Island or shoreline cleanup activity
- Field prep for seasonal opening / closing of recreation areas
- Accompany ranger for traffic meter reading and maintenance
- GIS project for those with appropriate skills
- Work with a friends group or gate attendant managing one of our recreation areas

### **Stewardship Activities or Projects:**

- Habitat activity such as or food plot preparation nest box installation/repair/cleanout
- Natural resource inventory activity such as timber assessment, or plant or bird census
- Field Assistance to a stewardship management partner organization activity
- Assistance to state game / fish agency working on the project

### **Environmental Compliance activities or projects:**

- Cultural resources documentation project, involving field, GPS, GIS activities

DIST\_NAME SACRAMENTO

Row Labels	Count of Rec Areas	Amphith eaters	Swim Beaches	Boat Ramps	Admin Buildings	Entrance Stations	Fishing Piers	Disk Golf Course	Group Camp Site
BLACK BUTTE LAKE	9	2	0	3	4	1	0	1	2
BUCHANAN DAM H.V. EASTMAN LAKE	12	1	0	6	8	0	0	1	4
ENGLEBRIGHT LAKE (SACRAMENTO RIVER DEBRIS CHANNEL)	7	0	0	3	1	1	0	0	0
HIDDEN DAM HENSLEY LAKE	8	1	1	5	1	1	0	1	3
MARTIS CREEK LAKE	3	1	0	0	1	0	0	0	0
NEW HOGAN LAKE	14	1	0	4	0	4	0	2	1
NEW MELONES LAKE (STANISLAUS RIVER)	18	0	0	3	0	2	1	0	3
PINE FLAT LAKE	13	1	0	7	1	1	0	0	2
SUCCESS LAKE	8	2	0	6	2	2	1	0	1
TERMINUS DAM LAKE KAWEAH	9	1	0	4	1	1	0	0	0
<b>Grand Total</b>	<b>101</b>	<b>10</b>	<b>1</b>	<b>41</b>	<b>19</b>	<b>13</b>	<b>2</b>	<b>5</b>	<b>16</b>

DIST\_NAME

Row Labels	Group Camp Shelter	Group Picnic Area	Group Picnic Shelter	Marinas	Parking Lots	Campsit es	Paved Public Road Mileage	Paved Service Road Mileage	Unpaved Public Road Mileage	Unpaved Service Road Mileage
BLACK BUTTE LAKE	2	0	2	0	47	38	12	0	6	0.1
BUCHANAN DAM H.V. EASTMAN LAKE	3	2	2	0	35	3	7.76	0.64	1.76	0.5
ENGLEBRIGHT LAKE (SACRAMENTO RIVER DEBRIS CHANNEL)	0	0	1	2	9	0	1.9	0	0.5	0
HIDDEN DAM HENSLEY LAKE	2	0	1	0	26	3	5	2.3	1	0.4
MARTIS CREEK LAKE	0	0	0	0	6	0	2.4	0	1.2	0
NEW HOGAN LAKE	1	1	2	0	27	1	5.87	0	0.64	1.58
NEW MELONES LAKE (STANISLAUS RIVER)	0	5	2	0	21	2	0	1	0	1.5
PINE FLAT LAKE	2	0	0	2	24	3	2.25	2.25	1.75	1
SUCCESS LAKE	0	0	19	0	17	0	6.19	0.25	2.83	2.75
TERMINUS DAM LAKE KAWEAH	0	0	0	1	15	0	4.75	0.01	3.8	4.39
<b>Grand Total</b>	<b>10</b>	<b>8</b>	<b>29</b>	<b>5</b>	<b>227</b>	<b>50</b>	<b>48.12</b>	<b>6.45</b>	<b>19.48</b>	<b>12.22</b>

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Row Labels	ATV Trails	Bike Trails	Equestrian Trails	Hiking Trails	Multipurpose Trails	Interpretive Trails	Water Trails	Biologic Restrooms	Chemical Restrooms	Vault Restrooms
BLACK BUTTE LAKE	0	0	0	1	3	0	0	0	0	10
BUCHANAN DAM H.V. EASTMAN LAKE	0	0	0	0	13	0	1	0	12	4
ENGLEBRIGHT LAKE (SACRAMENTO RIVER DEBRIS CHANNEL)	0	0	0	1	0	1	0	0	0	25
HIDDEN DAM HENSLEY LAKE	0	0	0	1	2	1	0	0	10	6
MARTIS CREEK LAKE	0	0	0	1	1	0	0	0	2	2
NEW HOGAN LAKE	0	0	3	3	10	1	1	0	3	15
NEW MELONES LAKE (STANISLAUS RIVER)	0	1	0	12	1	2	8	0	7	15
PINE FLAT LAKE	0	0	0	1	1	1	0	0	5	10
SUCCESS LAKE	0	0	2	0	0	0	0	0	16	1
TERMINUS DAM LAKE KAWEAH	0	0	0	0	5	1	0	0	0	4
<b>Grand Total</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>20</b>	<b>36</b>	<b>7</b>	<b>10</b>	<b>0</b>	<b>55</b>	<b>92</b>

DIST\_NAME

Row Labels	Water				
	Restroo ms	Shower house	Tot Picnic Sites	Picnic Areas	Play Grounds
BLACK BUTTE LAKE	10	0	45	0	3
BUCHANAN DAM H.V. EASTMAN LAKE	12	0	54	21	3
ENGLEBRIGHT LAKE (SACRAMENTO RIVER DEBRIS CHANNEL)	2	0	9	0	0
HIDDEN DAM HENSLEY LAKE	10	0	49	0	2
MARTIS CREEK LAKE	0	0	4	0	0
NEW HOGAN LAKE	13	0	100	6	1
NEW MELONES LAKE (STANISLAUS RIVER)	7	0	120	7	0
PINE FLAT LAKE	5	0	5	0	1
SUCCESS LAKE	10	0	119	0	4
TERMINUS DAM LAKE KAWEAH	4	0	16	0	0
<b>Grand Total</b>	<b>73</b>	<b>0</b>	<b>521</b>	<b>34</b>	<b>14</b>