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Karuk Tribe

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Request for Proposals
12-RFP-829

Proposal Deadline: Monday, September 17, 2012 by 5 p.m. (Pacific Standard Time)

The Karuk Tribe requests proposals for the following Scope of Work required to provide biological clearances for construction work, including determination of any construction window constraints due to threatened and endangered species, for the Indian Creek Wastewater Bridge Pipeline Crossing project. No field surveys for species are requested under this SOW.

Project Background: This statement of work within this Request for Proposal covers biological services work for construction of the Indian Creek Wastewater Bridge Pipeline Crossing Project, IHS Project No. CA 11-E18.

This project includes two parts: (a) replacement of an existing sewer main crossing in Indian Creek and an associated sewer siphon with a new pipeline crossing on the existing State Highway 96 Bridge and an associated lift station and emergency generator (construction proposed for 2013), and (b) removal of the existing sewer main crossing and associated K-rails from the creek, and environmental restoration of the creek bed (construction proposed for 2014).

This Statement of Work (SOW) covers biological work, report writing, and informal coordination with the U.S. Fish and Wildlife Service (USFWS), National Marine Fisheries Service (NMFS), California Department of Fish and Game (CDFG), and U.S. Forest Service (USFS). The work will be located in the vicinity of the Highway 96 Bridge in Happy Camp, CA. Happy Camp is located in Siskiyou County along the Klamath River on Highway 96. By air, Happy Camp is about 37 miles west of Yreka, CA and 43 miles east of Crescent City, CA.

Task One – Site Evaluation
Contractor will conduct a site visit to evaluate the site. The Contractor will coordinate the site visit with the Karuk Tribe, Happy Camp Sanitary District, and Indian Health Service points of contact to provide the opportunity for participation in the site visit. Participation by these points of contact in the site visit is not a mandatory requirement of the work.

Task Two - Coordination
Contractor will conduct informal coordination with USFWS, NMFS, and CDFG regarding Federally- and State-listed species. Also included is informal coordination with USFS regarding available natural resources information in the vicinity of the site.

Task Three – Access/Clearance
Contractor will check with Tribal, Local, State, and Federal transportation and fire agencies/organizations for any road or highway construction or fires that could affect access or travel times to and from the site. Travel, mileage, and associated costs shall be included in the biological consultant's cost proposal (not as separate line items).

Task Four – Performance Period

Contractor shall acknowledge and complete the following within 45 calendar days from the time of award.

1. Draft Table of Comments within 7 days from time of award
2. Site visit within 24 days from time of award
3. Draft Biological Assessment within 31 days from time of award *
4. Final Biological Assessment within 45 days from time of award *

* Assumes comments will be provided to the Contractor on the draft table of contents or the biological assessment by the Indian Health Service point of contact within 7 days of receipt of the draft.

Task Five – Reports, Data and Other Deliverables

Contractor will develop a biological assessment that will conform to Federal and State guidelines for this type of report. The Contractor must submit a draft table of contents for the biological assessment for approval, prior to starting work on the report. The report should include the following sections; the exact format and content may vary, based on the Contractor's standard format and content for this type of report.

- Summary
- Introduction
- Methods
- Results
- Potential Impacts to Resources
- Recommendations
- Staff Qualifications
- Associated Figures, Tables, References, and Appendixes.

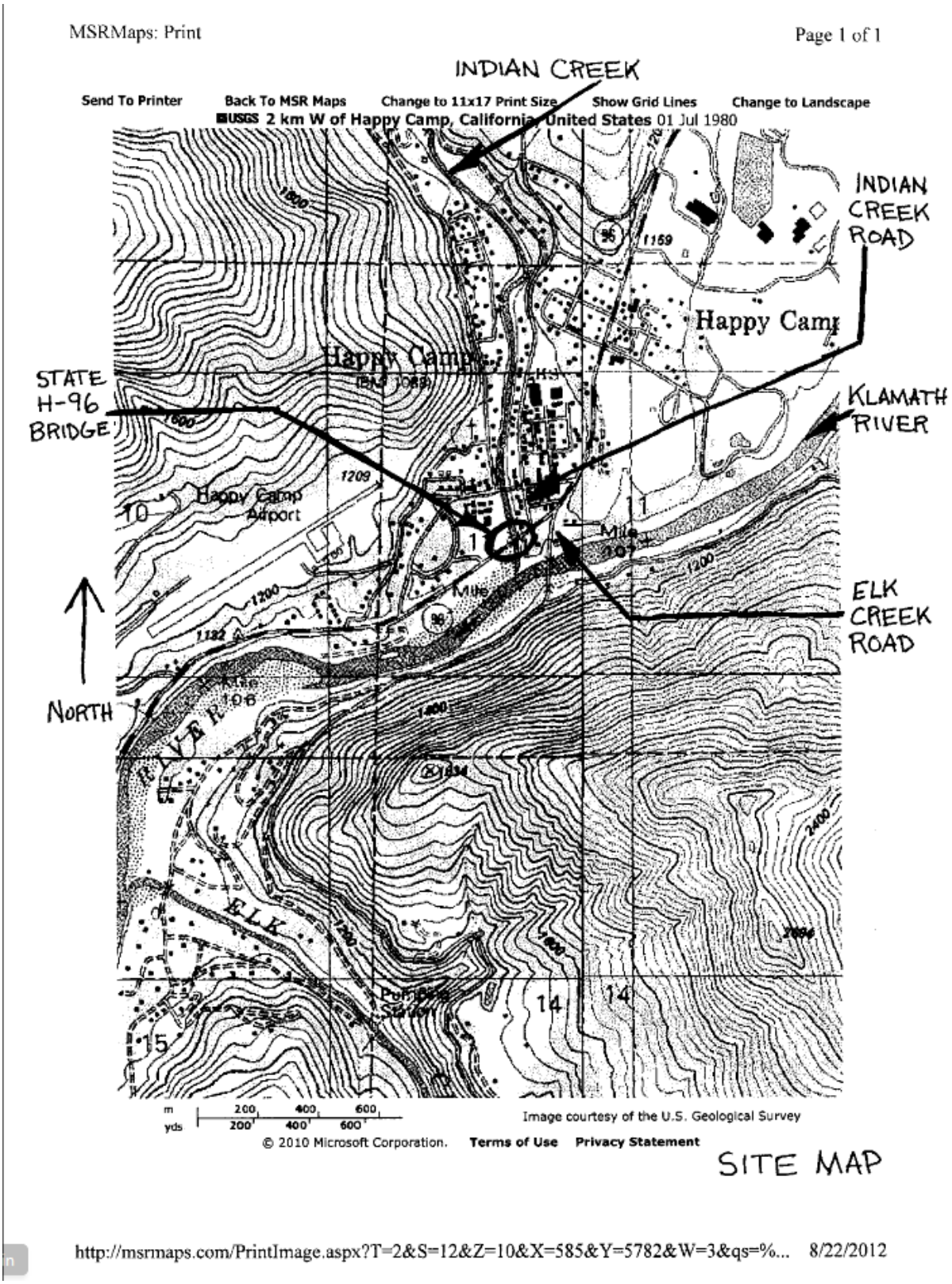
The assessment must state:

- Whether or not there are anticipated impacts to each Federally- and State listed threatened or endangered species known to occur in the vicinity of the project,
- Whether or not there is a potential for "take" to occur of bald eagles and/or golden eagles covered under the Bald and Golden Eagle Protection Act, and/or birds covered under the Migratory Bird Treaty Act,
- Whether or not any biological surveys are needed or recommended,
- The available construction windows, if any recommended biological surveys are not conducted,
- Information on any other additional recommended or required items or surveys needs to be presented, such as wetlands, etc.
- Information on the site visit shall be included.

For draft documents, one (1) electronic copy in .pdf format will be provided. For the final document, three (3) paper copies and one (1) electronic copy in .pdf format will provided. All submittals will be made to the Indian Health Service point of contact.

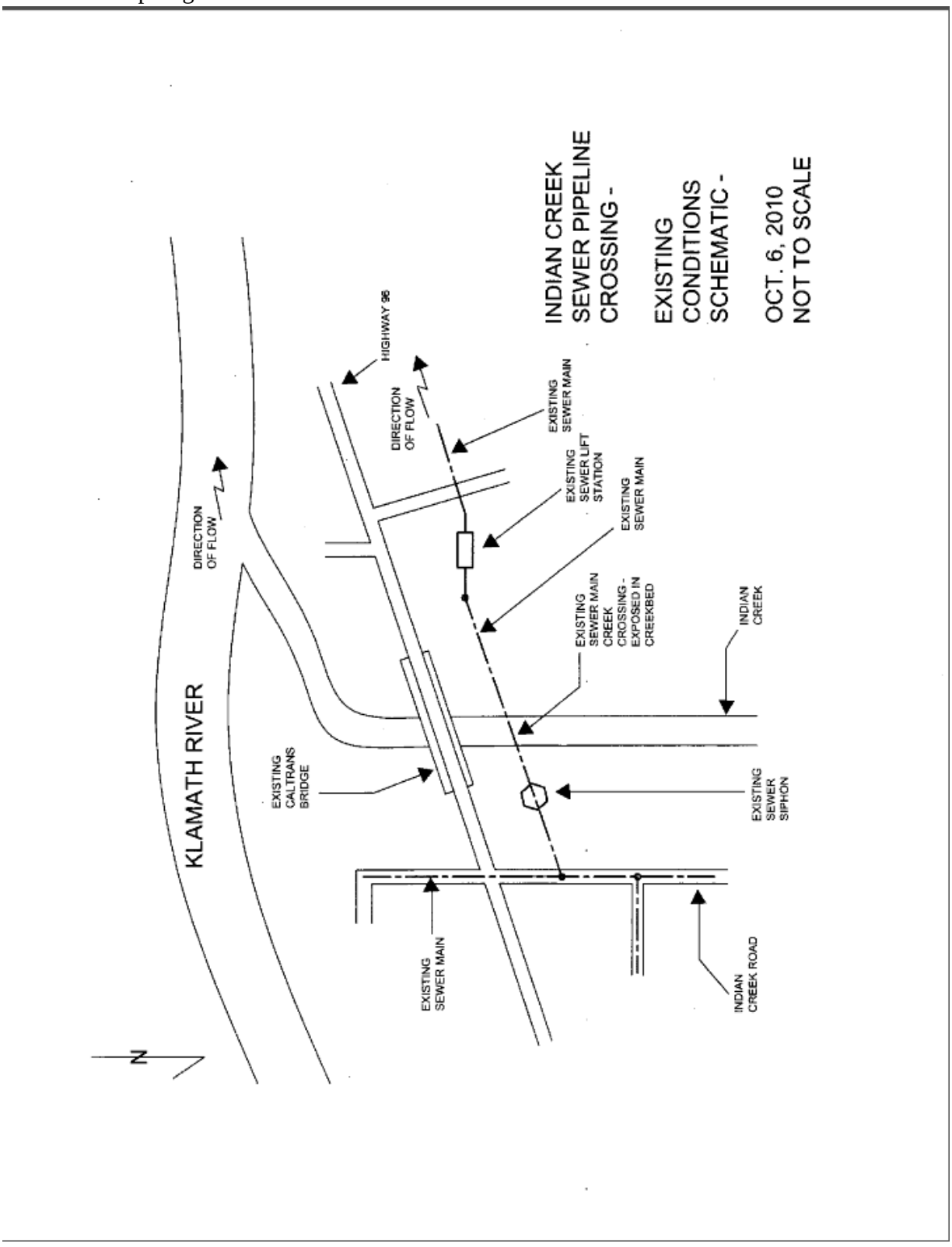
Task Five – Work Site

A site map is included below:

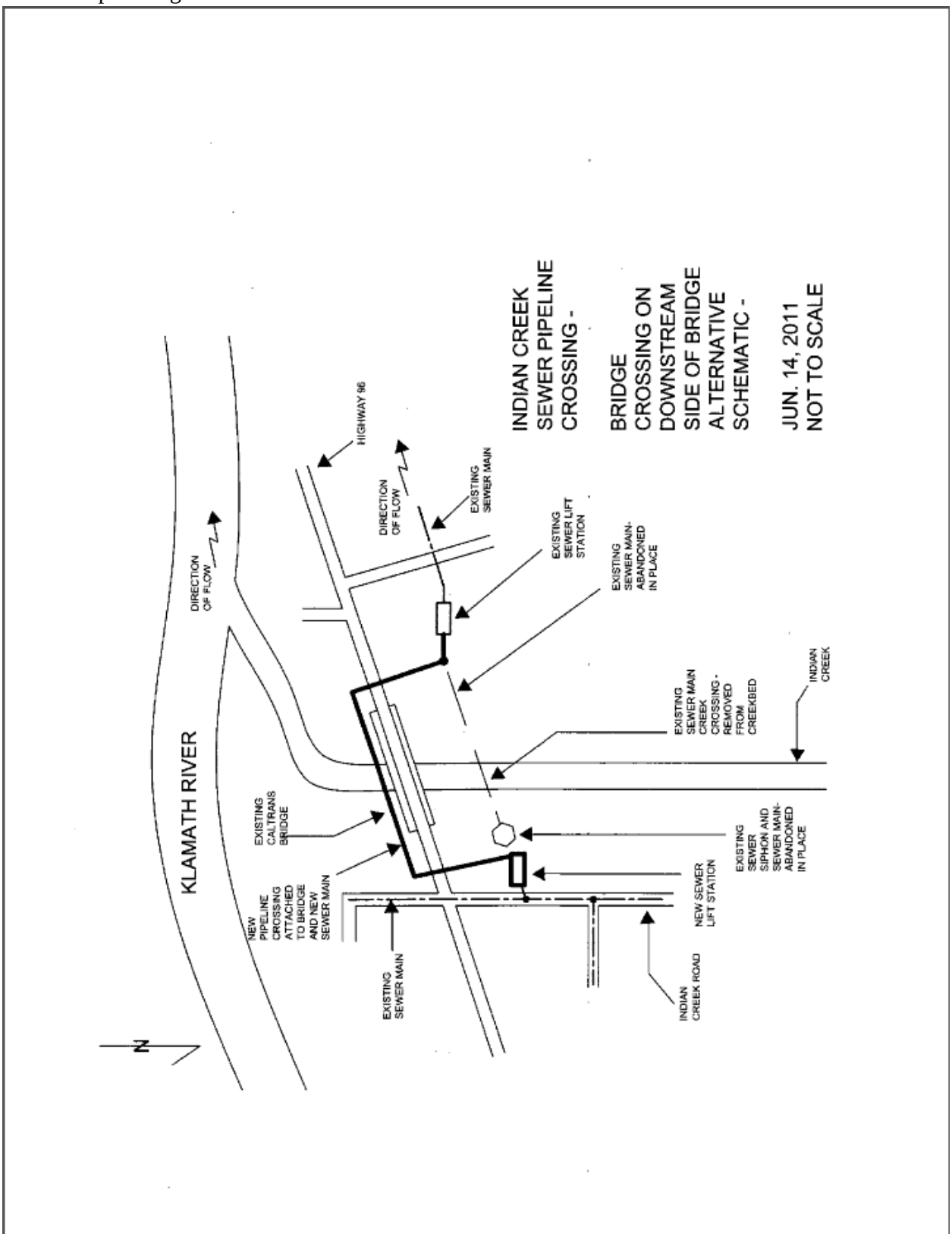


Also included are the following 4 concept figures depicting the existing and proposed conditions.

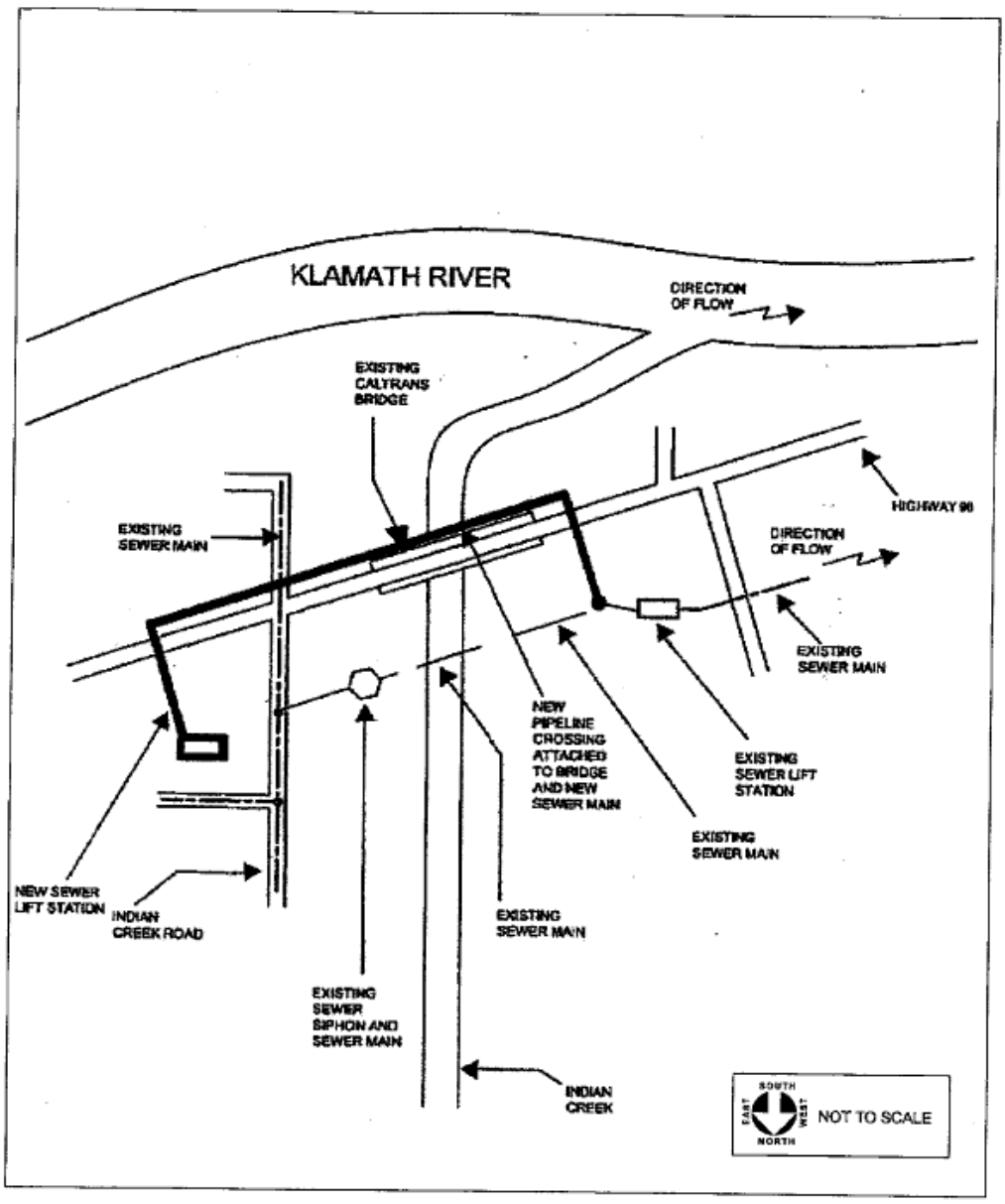
- Concept Figure 1 –



- Conceptual Figure 2 –



- Conceptual Figure 3 –

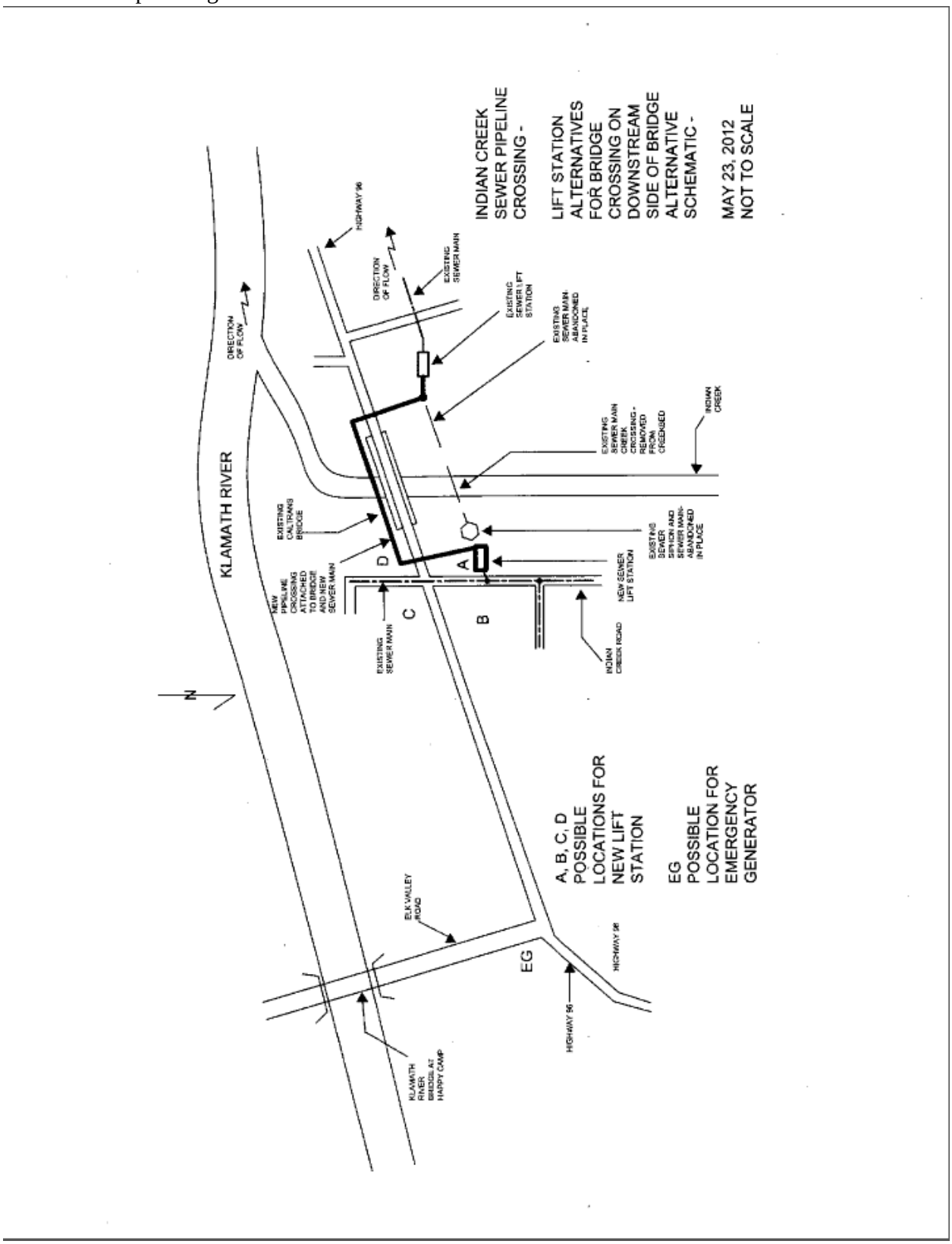


SOURCE: HydroScience Engineers, 2011; AES 2011

Happy Camp Technical Memorandum / 211529 ■

Figure 3
Recommended Alternative Schematic

- Conceptual Figure 4 –



Available biological information for the site and area includes:

- An environmental technical memorandum for the proposed wastewater bridge pipeline crossing, prepared for HydroScience Engineering, Inc., prepared by Analytical Environmental Services, dated September 2011. (This document is for the present wastewater project, to be covered under this scope of work.)
- An Environmental Assessment for the Proposed Happy Camp Water Intake System and Storage Tank Improvements, prepared by John Salter, Ph.D, Karuk Tribal Archeologist, dated March 2000. (This EA was for a separate water project, constructed in 2002-2003.)
- Available biological information on the project will be provided to the Contractor after award.

Task Six – Construction Project Description

The following project description information for the proposed construction project is provided to assist the Contractor with the work under this SOW. The information included in this project description is not required of the Contractor, and is provided to assist the Contractor with an overall understanding of the project and provide text for the project description paragraphs of the biological assessment. The Contractor may direct any questions regarding the project description to the Indian Health Service point of contact.

The proposed facilities include the replacement of the existing exposed sewer pipeline crossing in Indian Creek and its associated sewer siphon with a new pipeline crossing attached to the downstream side of the Caltrans Highway 96 Bridge. The new pipeline crossing will be installed to avoid conflicts with an existing telephone conduit crossing currently located on the downstream side of the bridge. To pump wastewater flows across the bridge pipeline crossing, a new sewer lift station will be required to replace the existing sewer siphon and to insure proper hydraulics for sewer flows for the new pipeline crossing. An emergency generator will also be installed to provide electricity to the lift station during power failures that may occur during winter storms.

The existing sewer siphon will be abandoned in place.

Previously, K-rails were placed downstream of the exposed sewer crossing to stabilize the creek bed to keep the sewer pipeline crossing from being undercut by creek flow; the K-rails function to hold sediment upstream, thereby providing limited scour protection to the pipeline crossing. The sewer crossing will be cleaned and disinfected; portions of the existing sewer crossing outside the creek will be abandoned in place; the portion inside the creek and associated K-rails will be removed and the creek bed restored to natural conditions. A cofferdam and dewatering, and rerouting of the creek in the vicinity of the in-stream work are anticipated to be required for the work within the creek.

The existing 6-inch diameter ductile iron pipe crossing and 6-inch diameter emergency bypass for the existing inverted wastewater siphon will be replaced with a 6-inch carrier pipe force main inside an estimated 12-inch diameter casing pipe. The lift station will include duplex pumps capable of grinding the wastewater to allow efficient flow through the force main; a vacuum relief valve to keep the pipeline from siphoning wastewater in either direction, and; a blind tee or other connection to allow for an emergency bypass pipeline hook-up at the lift station downstream of the pumps.

Review by the California Department of Transportation (Caltrans) of the designs and pipeline alignment, bridge attachment details, loading (weight) of the pipeline, and other items related to the existing Highway 96 bridge and abutments will be required. Rock removal and groundwater may be an issue for installation of the lift station, depending on the depths of the existing sewer main feeding the new lift station. Permits (Clean Water Act Section 404 and Section 401 permits, California Department of Fish and Game Streambed

Alteration Agreement, and, if needed, a State Regional Water Quality Control Board NDPES permit) will be required for the safe and sanitary removal of the existing sewer crossing and associated items from the creek. Coordination will be required regarding Federally- and State-listed species. Erosion control requirements will be an issue, since the work is close to and within the creek, and the creek empties into the Klamath River about 500 feet downstream. Impacts to Klamath River water quality, recreation, and navigation must be coordinated with the California Regional Water Quality Control Board, the U.S. Army Corps of Engineers and the U.S. Coast Guard; coordination regarding the Wild and Scenic Rivers Act will also be required with the U.S. Forest Service.

Four different locations of the lift station are being considered, which includes the four corners of the intersection of Indian Creek Road on the northeast side of Indian Creek and Highway 96. The most likely locations are the northwest (same side/location as existing sewer siphon) and northeast corners of that intersection, with the northeast corner being the preferred location.

The currently proposed location for the emergency generator is in the vicinity of the southeast corner of the intersection of Elk Creek Road (the road that crosses the Klamath River via the Siskiyou County Bridge) and Highway 96.

As part of the previous planning work for this project, several alternatives were considered and eliminated from further consideration. These alternatives are listed below.

- Replacing the pipeline by directionally drilling under the creek – alternative had high costs due to (a) uncertainty of encountering bedrock or boulders and (b) the potential deep depth of a new pipeline to address creek bed scour during high water events. The Karuk Tribe also indicated environmental objections to placing any new sewer lines in or under the creek or the Klamath River.
- Rehabilitating the existing pipelines in place – alternative would have required significant permitting to place fill in the creek to cover the existing pipelines plus uncertainty regarding ability of the fix to work due to creek bed scour during high water events.
- Building a separate bridge to carry the pipeline across creek and build new lift station – alternative to construct new bridge was very expensive, plus there was uncertainty regarding the ability of the Happy Camp Sanitary District to acquire the required real estate easements, and uncertainty regarding geotechnical conditions and permitting.
- Attaching a pipeline to <u>upstream</u> side of bridge and build new sewer lift station – the alternative was a cost effective solution that required minimal real estate work (encroachment permits from Caltrans and Siskiyou County). The pipeline would have needed to be placed as high as possible above the bottom of the bridge to avoid or minimize the potential for ice or debris flow damage during high water events. Bridge pipeline crossings are more vulnerable on the upstream side of a bridge than on the downstream side of a bridge to ice or debris flow damage, and the alternative to place the pipeline crossing on the <u>downstream</u> side of the bridge was tentatively selected instead.

Responses to this Request for Proposals should include the following:

1) A statement of qualifications, including relevant project history, specifically having familiarity with conducting Federally- and State-listed threatened and endangered species surveys and being acknowledged as fully capable of conducting biological survey work for Federally-listed species by the U.S. Fish and Wildlife Service.
2) Shall have a minimum of 5 years of experience with Federally- and State-listed threatened and endangered species work.
3) A proposed approach and rational for completion of the contract tasks described above, including

descriptions of similar work previously completed and the results/benefits achieved.

4) A lump sum price.
5) Names and telephone numbers of three client references.

Inquiries and responses must be hand, mail, fax, or email delivered by Monday, September 17, 2012 by 5 p.m. (Pacific Standard Time) to:

Tiffany Ashworth
Karuk Tribe Administration Office
64236 Second Avenue, PO Box 1016, Happy Camp, CA 96039
Faxes will be accepted at (530) 493-2342
Emails will be accepted at tashworth@karuk.us

Indian Preference will apply in the selection process in accordance with the Indian Preference Act of 1934 (Title 25, USC, Section 47) and/or the Tribal Employment Rights Ordinance (TERO), based on funding source requirements.

All contracts that exceed $2,500.00 shall be subject to a 2% Tribal Employment Rights Fee in accordance with the TERO Ordinance.

If applicable, construction contracts in excess of $2,000, when required by Federal grant program legislation, are subject to compliance with the Davis-Bacon Act (40 USC 276a to a-7) as supplemented by Department of Labor regulations (29 CFR part 5).