

AMENDMENT 3

Original Agreement No.	<u>22-201</u>
Amendment 1	<u>22-201 A-1</u>
Amendment 2	<u> </u>

**THIRD AMENDMENT TO COUNTY OF MENDOCINO AGREEMENT NO. 22-201/
DEPARTMENT OF TRANSPORTATION AGREEMENT NO. 220007
FOR PROFESSIONAL ENGINEERING CONSULTANT SERVICES FOR
THE NORTH STATE STREET INTERSECTION IMPROVEMENTS PROJECT,
COUNTY ROAD 104**

This third Amendment to Agreement No. 22-201/Department of Transportation (DOT) Agreement No. 220007 is entered into by and between the **COUNTY OF MENDOCINO**, a political subdivision of the State of California, hereinafter referred to as "COUNTY," and **GHD, Inc.**, hereinafter referred to as "CONSULTANT," the date this Amendment is fully executed by all parties.

WHEREAS, Agreement No. 22-201/Department of Transportation (DOT) Agreement No. 220007 was entered into on August 22, 2022 (the "Initial Agreement"); and

WHEREAS, First Amendment to Agreement No. 22-201/Department of Transportation (DOT) Agreement No. 220007 was entered into on September 11, 2023 (the "First Amendment") increasing the total amount by \$13,056 for a new total of \$151,178; and

WHEREAS, Second Amendment to Agreement No. 22-201/Department of Transportation (DOT) Agreement No. 220007 was entered into on October 17, 2023 (the "Second Amendment") increasing the total amount by \$1,679,676 for a new total of \$1,830,854; and

WHEREAS, the Initial Agreement, First Amendment, and Second Amendment are referred to as the Agreement; and

WHEREAS, upon execution of this document by COUNTY and CONTRACTOR, this third Amendment will become part of the Agreement and shall be incorporated therein; and

WHEREAS, changes to design due to requirements from Caltrans, Utilities, and the County require additional effort and resources; and

WHEREAS, additional studies are required to meet National Environmental Protection Agency (NEPA) clearance for compliance with federal funding requirements; and

WHEREAS, CONSULTANT has prepared the attached "Revisions to Base Scope of Services", including summary of additional costs, attached hereto as Exhibit A and incorporated herein by this reference, including additional or expanded tasks as

compared to the original scope of work; and

WHEREAS, it is the desire of COUNTY and CONSULTANT to extend the termination date from December 31, 2025 to December 31, 2026; and

WHEREAS, it is the desire of COUNTY and CONTRACTOR to increase the total amount payable by \$439,146 from \$1,830,854 to \$2,270,000.

NOW, THEREFORE, we agree as follows:

1. The termination date set out in the Agreement is hereby extended from December 31, 2025 to December 31, 2026.
2. The total contracted amount set out in the Agreement is hereby increased by \$439,146 from \$1,830,854 to \$2,270,000.
3. The Exhibit A, Definition of Services, set out in the Agreement is hereby altered to include additional or expanded tasks outlined in Exhibit A, attached herein.

All other terms and conditions of the Agreement shall remain in full force and effect.

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DEPARTMENT FISCAL REVIEW:

By: 
 HOWARD N. DASHIELL, Director
 TRANSPORTATION

Date: 6/18/25

Budgeted: ☒ Yes ☐ No

Budget Unit: 3041

Line Item: 2184

Grant: ☒ Yes ☐ No

Grant No. : STIP #RPL-5910(134)

COUNTY OF MENDOCINO

By: _____
 JOHN HASCHAK, Chair
 BOARD OF SUPERVISORS

Date: _____

ATTEST:

DARCIE ANTLE, Clerk of said Board

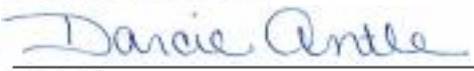
By: _____
 Deputy

I hereby certify that according to the provisions of Government Code section 25103, delivery of this document has been made.

DARCIE ANTLE, Clerk of said Board

By: _____
 Deputy

INSURANCE REVIEW:

By: 
 Risk Management

Date: 06/26/2025

CONTRACTOR/COMPANY NAME

By: 
 SIGNATURE Josh Wolf, Business Group Leader

Date: 6/27/25

NAME AND ADDRESS OF CONTRACTOR:

GHD, Inc.

2200 21st Street

Sacramento, CA 95678

By signing above, signatory warrants and represents that he/she executed this Agreement in his/her authorized capacity and that by his/her signature on this Agreement, he/she or the entity upon behalf of which he/she acted, executed this Agreement

COUNTY COUNSEL REVIEW:

APPROVED AS TO FORM:

By: 
 COUNTY COUNSEL

Date: 06/26/2025

EXECUTIVE OFFICE/FISCAL REVIEW:

By: 
 Deputy CEO or Designee

Date: 06/26/2025

Signatory Authority: \$0-25,000 Department; \$25,001- 50,000 Purchasing Agent; **\$50,001+ Board of Supervisors**

Exception to Bid Process Required/Completed ☐ _____

Mendocino County Business License: Valid ☐

Exempt Pursuant to MCC Section: _____

220007 Amendment No. 3 – Exhibit A

Revisions to Base Scope of Services

Task E01 – Project Management and Coordination

GHD has and will incur additional project management for Project Report (PR) preparation and for coordination required to manage the project various tasks and tasks added below.

The preparation of PR needs a higher level of managing the project activities such as:

- Increases in the frequency of internal team meetings and coordination
- Additional Caltrans meetings, coordination and reviews of PR attachments
- Preparation of supporting documents and exhibits for more efficient communication to expedite Caltrans review and approval
- Coordination of Draft and Final PR completion to get approval typically requires a lot of management involvement

Additional time to manage these tasks will be consistent with original scope of services.

Task E02 – NEPA Support

Visual Impact Analysis (VIA)

As required by the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA) the visual impacts of the proposed project was assessed using the current Caltrans's VIA questionnaire form. The outcome of this analysis resulted in the project receiving a score of 22, requiring a VIA Memorandum which was neither anticipated nor included.

Under this additional work task, GHD prepared the VIA Memorandum in accordance with the current Caltrans VIA memorandum template. This memo described the project features, project impacts, and any environmental commitment measures including minimization and mitigation recommendations. The memo included the following sections: Introduction; Establishment Phase; Inventory Phase; Analysis Phase; Mitigation Phase; and Conclusions. Deliverables include: a DRAFT Final Memorandum to the County for submittal to Caltrans for review. GHD will update the memo based on review comments and resubmit the FINAL Memorandum for approval. Only one review cycle anticipated and was included in the scope of services.

Additional Traffic County and Traffic Memo Update

In a meeting held with Caltrans Headquarters staff on the comments received on the geometric approval drawing, Caltrans questioned the validity of the traffic study due to traffic counts being older than typically what is expected of the projects.

Therefore, to obtain approval on the design, Caltrans has required new traffic counts be obtained and used to perform an updated analysis for both the opening year and 2045. The analysis is expected to validate our original findings. While Caltrans acknowledges that project's previous counts and analysis may still hold validity, they believe a revalidation is necessary due to the complexity of the roundabouts involved in the project, to ensure accuracy, and account for any potential changes. GHD will obtain the new counts, rerun the analyses, and prepare a technical memorandum that documents the existing conditions and validates the opening year and design year roundabout operations for the proposed geometry. If the updated analyses prove otherwise, we will immediately discuss them and the path forward with you and Caltrans.

Task E03 – Additional Survey/Right of Way (ROW) Engineering Coordination

Caltrans requires a Relinquishment Map for the project since the project proposes a portion of the current Caltrans right of way be relinquished to the County. Additionally, they require a preconstruction and post construction Record of Survey (ROS) be performed and filed with the County documenting the old and new right of way boundary for Caltrans. To transfer the relinquished property a set of plats and legal descriptions will be required for including in the grant deed(s). While the original scope included one ROS, this additional

requirement necessitates further work, setting new property monumentation on the State Right of Way for the relinquished area. This additional work and performing the monumentation for both the State and grantees of the new property as well as new property acquisitions as per the County's requirements is considered new (additional) work.

To align with these new requirements, we estimate that completing the second ROS (Pre-Con) will involve an additional work to prepare and execute the ROS with precision and completeness.

Survey of Potholed Locations

To establish the locations of utilities positively identified during potholing, our surveyor, Unico, will complete field survey and update the utility base mapping CAD file with the resulting changes.

Task E04 – Project Report Preparation, Revised Geometric Engineering Drawing (GED) and Drainage Study and Design

The previous project geometrics were based on the available data and input provided by the stakeholders. They lacked all levels of input or reviews. Completing this task was crucial to avoid potential delays and cost overruns due to design features deemed impactful by other project stakeholders.

This new effort includes providing a revised roundabout layout at both intersections to reduce conflicts with utilities, incorporate new Caltrans District and Headquarters comments, new retaining walls at two locations, adjust elements to avoid the impact to the slope protection under US 101, and address water quality requirements within the project footprint. In addition to revising the 2-D design, the effort requires revisions to the roundabout geometric design check documents, updating the DSDD package and a new (additional) review of the geometrics by Caltrans Headquarters. It is assumed one round of comments will be sufficient to obtain approval of the GED submittal package.

The drainage study required the project to consider a much larger area than initially anticipated. This resulted in investigating and preparing drainage study for shed area of 660 acres as opposed to 20 acres originally assumed. A considerable amount of effort was involved in data collection, understanding the shed area, drainage patterns and the conveyance systems, in order to attempt to reuse as much of the existing drainage system, field trips and additional county and Caltrans coordination has been required.

Per Caltrans requirement, the project approval is by project report (PR) and full oversight. The additional level of effort in PR preparation and Caltrans coordination has resulted in additional staff and project management time.

Task E04 – Project Haz Mat Study – Initial Site Assessment (ISA) Phase I and ISA Phase II (PSI- project site investigation)

The original contract assumed DEER process and therefore ISA was not required as part of this process. As Caltrans required the preparation of the project report (PR) to obtain project approval, the various component of the PR would also need to be completed. Caltrans has confirmed that the project must complete an ISA. An ISA Phase I data analysis would be completed to support Caltrans approval of the PR. The scope and fee for a Phase 2 Sampling and Report (Project Site Investigation) is included in this request for change in case the Phase 1 data analysis identifies potential hazardous materials and the additional investigation is required. This item may be considered optional services and only performed with client written authorization.

Task E04 – Geotechnical Investigation

The original GHD scope did not include geotechnical studies to support the project design, and per previous discussions, this effort was deferred to a future date. The original scope however did include geotechnical support during construction. Geotechnical investigations is required in support of final design.

GHD proposes the following:

- Defer scope and fee for construction support to a later phase of the project (note, the level of effort will increase due to the addition of retaining wall foundation construction observation)
- GHD team member (Crawford & Associates) to complete the required geotechnical investigations and report in support of project design as outlined below:

- Complete the necessary geotechnical investigations and studies in support of pavement design
- Complete the necessary geotechnical investigations and studies in support of retaining walls design
- Prepare draft and final material and foundation reports
- Process one round of County and Caltrans reviews, address comments, and complete a final report.

Task E05 – Retaining Wall Design and Supporting Studies

Additional Geotechnical Testing & Revised Reporting

Although the project design always anticipated the need for a retaining wall along the northbound of the N. State Street adjacent to the existing undercrossing structures, but its needs and limits were highly depended on the project geometric layout. The previous geometrics resulted in a layout that likely required a nonstandard design which would have likely required a type selection report, lengthy Caltrans reviews and a much more expensive construction cost than standard retaining wall. The existing undercrossing structure has not been retrofitted and as a result any constraints imposed by a nonstandard retaining wall would have likely been rejected by Caltrans. Additionally, the retaining wall needed to extend under the structure which have resulted into likelihood of reconstructing the existing slope paving. The revised geometrics allows for the retaining wall to be a standard Caltrans wall type and eliminated the impacts beneath the existing undercrossing structure.

At and along the off-ramp, the revised geometrics will require a retaining wall to retain the slope and preventing it from encroaching outside of Caltrans right of way and onto the Lovers Lane Road. Without the retaining wall, the Lovers Lane would need to be shifted west onto private property.

Additionally, to support the retaining wall design geotechnical exploration and studies are required.

Task E06 – Utility Potholing

The original scope of work included \$30,000 for utility locating activities. This estimate of cost was deemed as a preliminary estimated amount and a place holder. The project utility mapping is at a much higher degree of completion. Additionally, the revised geometrics reduces the level of utility impacts. Upon completion of project rough grading and preliminary drainage system design, GHD is proposing the following activities to positively locate the utilities within the project limits:

- Adding the services of a qualified utility potholer to the GHD team
- Potholer scope of work to include:
 1. Conduct 811 Call to request marking of utilities by utility owners
 2. Completing ground penetrating radar (GPR) activities based on the 811 Call utility markings and GHD utility mapping. This exercise intends to locate the utilities in much more accurate method.
 3. Complete utility potholing and potholed locations in the field based on the updated mapping prepared by GHD team using information from item 1 & 2 above and the actual project needs.
 4. Update the utility CAD files based on the utility positive locations

A contract utility potholer will provide 17 potholes to positively identify underground utilities in accordance with Caltrans guidance. It is assumed that the Caltrans encroachment and Mendocino County permit fees will be waived. Potholer will provide traffic control and restore pothole locations per requirement stated in the permit.

Amendment No. 3 Cost Summary

Task	Amount
E01 - Project Management and Coordination (GHD) Additional Project Management (168 hrs)	\$46,368.00
E02 - NEPA Support (GHD) VIA Additional Traffic Study	\$9,868.92 \$24,949.48
E03 - ROW Engineering Coordination (UNICO) Additional Work – Record of Surveys Additional Work - Relinquishment Map Additional Work – Survey of utility pothole locations	\$17,175.00 \$11,580.68 \$5,883.16
E04 - Revised GED and Design, Drainage, Project Report (PR) (GHD) Additional Work – Geometric Revisions, Update Roundabout Design Check, Update DSDD and Drainage, PR (739 hrs)	\$138,129.00
E04 – Haz Mat Study (Crawford and Asso) ISA Phase I ISA Phase II	\$13,458.44 \$13,928.25
E04 – Geotechnical investigation (Crawford and Asso) Additional Work – Pavement Design Additional Work – Geotechnical, RW Foundation Report	\$32,272.82 \$63,470.64
E05 - Retaining Wall Design and Supporting Studies (GHD) Preparing PS&E for RW1 and RW2 (132 hrs)	\$25,038.00
E06 - Utility Potholing (Discovery Hydrovac) Utility 811 Call, GPR Of utilities, Pothole of 17 potholes	\$36,313.00
TOTAL	\$438,435.39