



City of Ketchum

July 5, 2022

Mayor Bradshaw and City Councilors
City of Ketchum
Ketchum, Idaho

Mayor Bradshaw and City Councilors:

Recommendation to Amend Professional Services Contract and Purchase Order #22112 with HDR Engineering Related to Main Street Transportation Planning

Recommendation and Summary

HDR Engineering was selected in fall of 2021 to complete the Main Street and Warm Springs Road Transportation Alternatives Analysis. Staff is recommending an amendment to the contract to (1) extend through December 31, 2022 and (2) complete Main Street micro-simulation scope of work.

"I move to amend professional services contract with HDR for increased duration and budget to complete Main Street microsimulation."

The reasons for the recommendation are as follows:

- Council directed staff to return with an addendum and scope of work to complete Main Street simulation.
- Time is of the essence to complete due diligence activities as ITD could rebuild Main Street as soon as next year.
- HDR has staff capacity to complete addendum scope of work over the next several months for Council review and public input.

Sustainability Impact

Potential future improvements will decrease stop-and-go vehicular traffic and improve the pedestrian realm.

Financial Requirement/Impact

Increased scope can be funded via the Main Street/Warm Springs Road project budget.

Attachments

Contract addendum
Microsimulation scope of work

**EXTENSION AMENDMENT OF AGREEMENT FOR
PROFESSIONAL SERVICES**

THIS FY22 EXTENSION AND AMENDMENT OF AGREEMENT FOR PROFESSIONAL SERVICES (FY22 EXTENSION) is made by and between the CITY OF KETCHUM, a municipal corporation organized and existing by virtue of the laws of the state of Idaho, and HDR INC. (Boise, Idaho).

- A. The City and HDR entered into an original Agreement for Professional Engineering Services related to Main Street and Warm Springs Transportation Planning which has successfully continued to the current time.
- B. The City and HDR mutually desire to extend such Agreement until December 31, 2022.

AMENDMENT TERMS

- 1. Completion of Task Orders #1 and #2 are extended through December 31, 2022.
- 2. Authorize Supplemental #1 scope of work and not to exceed amount of \$39,392.00.

CITY OF KETCHUM

By: _____
Neil Bradshaw, Mayor

ATTEST:

Lisa Enourato, Interim City Clerk

HDR ENGINEERING

By: _____
Kate Eldridge, Vice President



SCOPE OF SERVICES

Supplemental # 1

Project Description

The purpose of the project is to evaluate alternatives for Main Street (SH-75) between River Street and Saddle Road for the City of Ketchum, Idaho (City).

The original Scope of Services (SOS) includes the data collection, travel demand forecasting, analysis, and alternatives evaluation for Main Street. HDR Engineering, Inc. (HDR) is the prime consultant with L2 Data Collection (L2) as subconsultant.

The purpose of this supplemental SOS is to provide microsimulation models and analysis of the no-build alternative and two build alternatives under future travel demand conditions.

The scope narrative is organized by the following tasks:

- Task 100 Project Management
- Task 600 Alternative Concepts Analysis and Evaluation

Key Understandings

1. The City is the agreement administrator and the project is funded by the City. State and Federal funds will not be used.
2. This supplemental SOS assumes an additional three (3) month project duration for estimating purposes, with report delivery no later than August 19, 2022, based on an NTP of May 20, 2022.
3. In providing opinions of probable construction cost for the project, HDR has no control over cost or price of labor and materials, unknown or latent conditions of existing equipment or structures that might affect operation or maintenance costs, competitive bidding procedures and market conditions, time or quality of performance by operating personnel or third parties, and other economic and operational factors that might materially affect the ultimate cost or schedule. HDR, therefore, will not warranty project costs will not vary from HDR's opinions, analyses, projections, or estimates.
4. All deliverables will be electronic PDF files. Where hard copies are required, it will be noted in the tasks below.

600 ALTERNATIVE CONCEPTS ANALYSIS AND EVALUATION

660 Microsimulation Analysis

To further evaluate the lane reconfiguration alternative, HDR will conduct an operational analysis using microsimulation (Vissim version 2022) for 2042 analysis year conditions. An existing conditions Vissim model will be developed for the same study area as previously analyzed in Synchro/SimTraffic and will be calibrated to existing traffic flow and field observations. The existing conditions Vissim model will model pedestrians at the study intersections including the HAWK signal.

The calibrated existing conditions model will be used to develop and analyze up to three alternatives:



- 2042 No-Build
- 2042 Build Alternative 1: Proposed Lane Reconfiguration (3 lane section)
- 2042 Build Alternative 2: Add Left Turn Lanes at Sun Valley Road Intersection (keep existing 4 lane section on rest of the corridor)

Intersection, multimodal, and roadway segment operations will be estimated for roadways and intersections with assumed intersection control identified through discussions with the City and ITD. Travel times, delay and queuing along Main Street will be documented from Vissim simulation runs of each alternative. Animations created from the Vissim model will provide a visual demonstration of the Build alternatives operations.

Assumptions

- New data collection will not be performed. The Vissim analysis will utilize existing and future traffic volumes previously developed.
- Model calibration will be limited to traffic volumes and field observations provided there is no available travel time data for calibration.
- Model development, calibration, and results will be documented in the Final Report.

Deliverables

- Results and comparison of alternative Vissim model analyses presented in the Final Report
- Visualizations of alternative model runs demonstrating operations under future travel demand

HDR Engineering, Inc.
 City of Ketchum Main Street (SH-75) Alternatives Analysis
 Supplemental # 1

		HDR						
		TOTAL	Principal in Charge	Quality Control	Project Manager	Senior Traffic Engineer	Traffic Engineer	Accounting
600	Alternative Concepts Analysis and Evaluation	224	0	8	2	60	150	4
660	Microsimulation Analysis	224		8	2	60	150	4
	Total:	224	0.0	8.0	2.0	60.0	150.0	4.0
	Total Check:	224.0	0.0	8.0	2.0	60.0	150.0	4.0
	Percent of Project Total:	100.0%	0.0%	3.6%	0.9%	26.8%	67.0%	1.8%

CONSULTANT NAME: HDR Engineering, Inc.
PROJECT NAME: City of Ketchum Main Street (SH-75) Alternatives Analysis
PROJECT NO.: Supplemental # 1
KEY NO. N/A

DESIGN

A. SUMMARY ESTIMATED MAN-DAY COSTS

	Man-Hours	Rate	Labor Cost
1 Principal in Charge	= 0.00 @	\$319.00 =	\$0.00
2 Quality Control	= 8.00 @	\$204.00 =	\$1,632.00
3 Project Manager	= 2.00 @	\$235.00 =	\$470.00
4 Senior Traffic Engineer	= 60.00 @	\$243.00 =	\$14,580.00
5 Traffic Engineer	= 150.00 @	\$149.00 =	\$22,350.00
6 Accounting	= 4.00 @	\$90.00 =	\$360.00
TOTAL =			\$39,392.00

B. OUT-OF-POCKET EXPENSES

HDR TOTAL ESTIMATED EXPENSE* = \$0.00
 * See attached Direct Expenses for HDR

C. ESCALATION

Anticipated Agreement Date: May 20, 2022
 Project Duration: 3 months
 Escalation Period: 0 months

Total Labor Cost		X	Esc Ratio		x	Annual Esc		=	\$0.00
\$39,392.00			0%			3.5%			

HDR Subtotal = \$39,392.00

D. SUBCONSULTANTS

L2 Data Collection

Subconsultant Subtotal = \$0.00

TOTAL = \$39,392.00
