

HDR Engineering, Inc.

City of Ketchum Warm Springs Road Corridor Alternatives Analysis

| | | HDR | | | | | | | | | | | | |
|------------|--|---------------|---------------------|-----------------|-----------------|-------------------------|-------------|-------------------------|------------------|-------------------------------|----------------------------|----------------------|----------------|-------------|
| | | TOTAL | Principal in Charge | Quality Control | Project Manager | Senior Land Use Planner | Planner | Senior Traffic Engineer | Traffic Engineer | Public Involvement Specialist | Public Involvement Support | CADD/Graphic Support | Admin. Support | Accounting |
| 100 | Project Management | 80.5 | 1 | 0 | 28.5 | 13 | 0 | 14 | 0 | 0 | 0 | 0 | 4 | 20 |
| 110 | Project Initiation and Project Management Plan | 11 | 1 | | 2 | | | | | | | | 4 | 4 |
| 120 | Kick-off Meeting | 32 | | | 8 | 12 | | 12 | | | | | | |
| 130 | Project Team Meetings | 7.5 | | | 4.5 | 1 | | 2 | | | | | | |
| 140 | Status Calls | 5 | | | 5 | | | | | | | | | |
| 150 | Project Administration, Progress Reports and Invoicing | 25 | | | 9 | | | | | | | | | 16 |
| 200 | Project Goals and Objectives | 6 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 | Develop the Project Goals and Objectives | 6 | | | 2 | 2 | | 2 | | | | | | |
| 300 | Data Collection | 6 | | | 2 | 2 | | | 2 | | | | | |
| 400 | Existing Conditions | 78 | 0 | 2 | 2 | 4 | 10 | 12 | 44 | 0 | 0 | 4 | 0 | 0 |
| 410 | Land Use Review | 12 | | | | 4 | 8 | | | | | | | |
| 420 | Capacity and Operational Analysis | 17 | | | 1 | | | 4 | 12 | | | | | |
| 430 | Crash Mapping and Analysis | 20 | | | | | | 4 | 16 | | | | | |
| 440 | Document Existing Conditions | 29 | | 2 | 1 | | 2 | 4 | 16 | | | 4 | | |
| 500 | Future Conditions | 79 | 0 | 2 | 3 | 0 | 4 | 16 | 50 | 0 | 0 | 4 | 0 | 0 |
| 510 | Travel Demand Forecasts | 6 | | | | | 2 | 2 | 2 | | | | | |
| 520 | Define Performance Standards | 4 | | | 2 | | | 2 | | | | | | |
| 530 | Capacity and Operational Analysis | 20 | | | | | | 4 | 16 | | | | | |
| 540 | No-Build Crash Frequency and Severity Analysis | 20 | | | | | | 4 | 16 | | | | | |
| 550 | Document Future Needs Assessment | 29 | | 2 | 1 | | 2 | 4 | 16 | | | 4 | | |
| 600 | Alternative Concepts Analysis and Evaluation | 206 | 0 | 8 | 4 | 2 | 6 | 46 | 100 | 0 | 0 | 40 | 0 | 0 |
| 610 | Alternative Concept Development | 108 | | | 2 | 2 | 4 | 20 | 40 | | | 40 | | |
| 620 | Capacity and Operational Analysis | 16 | | | | | | 4 | 12 | | | | | |
| 630 | Relative Crash Frequency and Severity | 32 | | | | | | 8 | 24 | | | | | |
| 640 | Alternative Concept Cost Estimates | 14 | | 2 | | | | 4 | 8 | | | | | |
| 650 | RRFB Comparison | 10 | | 2 | | | | 4 | 4 | | | | | |
| 660 | Benefits Determination and Evaluation | 26 | | 4 | 2 | | 2 | 6 | 12 | | | | | |
| 700 | Final Report | 122 | 0 | 6 | 14 | 2 | 2 | 20 | 36 | 0 | 0 | 24 | 18 | 0 |
| 710 | Draft Report | 74 | | 4 | 2 | 2 | 2 | 16 | 24 | | | 16 | 8 | |
| 720 | Final Report | 28 | | 2 | 2 | | | 4 | 12 | | | 8 | | |
| 730 | Adoption | 20 | | | 10 | | | | | | | | 10 | |
| | Total: | 577.5 | 1.0 | 18.0 | 55.5 | 25.0 | 22.0 | 110.0 | 232.0 | 0.0 | 0.0 | 72.0 | 22.0 | 20.0 |
| | Total Check: | 577.5 | 1.0 | 18.0 | 55.5 | 25.0 | 22.0 | 110.0 | 232.0 | 0.0 | 0.0 | 72.0 | 22.0 | 20.0 |
| | Percent of Project Total: | 100.0% | 0.2% | 3.1% | 9.6% | 4.3% | 3.8% | 19.0% | 40.2% | 0.0% | 0.0% | 12.5% | 3.8% | 3.5% |

CONSULTANT NAME: HDR Engineering, Inc.
PROJECT NAME: City of Ketchum Warm Springs Road Corridor Altern
PROJECT NO.: N/A
KEY NO. N/A

DESIGN

A. SUMMARY ESTIMATED MAN-DAY COSTS

| | Man-Hours | | Rate | | Labor Cost |
|---------------------------------|-----------|---|----------|---|--------------------|
| 1 Principal in Charge | = 1.00 | @ | \$305.00 | = | \$305.00 |
| 2 Quality Control | = 18.00 | @ | \$190.00 | = | \$3,420.00 |
| 3 Project Manager | = 55.50 | @ | \$224.00 | = | \$12,432.00 |
| 4 Senior Land Use Planner | = 25.00 | @ | \$224.00 | = | \$5,600.00 |
| 5 Planner | = 22.00 | @ | \$138.00 | = | \$3,036.00 |
| 6 Senior Traffic Engiener | = 110.00 | @ | \$226.00 | = | \$24,860.00 |
| 7 Traffic Engineer | = 232.00 | @ | \$116.50 | = | \$27,028.00 |
| 8 Public Involvement Specialist | = 0.00 | @ | \$179.00 | = | \$0.00 |
| 9 Public Involvement Support | = 0.00 | @ | \$126.75 | = | \$0.00 |
| 10 CADD/Graphic Support | = 72.00 | @ | \$112.00 | = | \$8,064.00 |
| 11 Admin. Support | = 22.00 | @ | \$93.00 | = | \$2,046.00 |
| 12 Accounting | = 20.00 | @ | \$85.00 | = | \$1,700.00 |
| TOTAL = | | | | | 577.50 |
| TOTAL = | | | | | \$88,491.00 |

B. OUT-OF-POCKET EXPENSES

HDR TOTAL ESTIMATED EXPENSE* = \$1,668.10

* See attached Direct Expenses for HDR

C. ESCALATION

Anticipated Agreement Date: June 22, 2021
 Project Duration: 10 months
 Escalation Period: 5 months

| | | | | | | | |
|------------------|--|---|-----------|---|------------|---|-------------------|
| Total Labor Cost | | X | Esc Ratio | x | Annual Esc | = | |
| \$88,491.00 | | | 50% | | 3.0% | | \$1,327.37 |

HDR Subtotal = \$91,486.47

D. SUBCONSULTANTS

| | |
|-------------------------------|-------------------|
| Ls Data Collection | \$3,000.00 |
| Subconsultant Subtotal | \$3,000.00 |

TOTAL = \$94,486.47

CONSULTANT NAME: HDR Engineering, Inc.
 PROJECT NAME: City of Ketchum Warm Springs Road Corridor Alternatives Analysis
 PROJECT NO.: N/A
 KEY NO. N/A

F. OUT-OF-POCKET EXPENSES SUMMARY

| Expense | Unit | Estimated Amount | Unit Cost | Estimated Expense | Comment |
|---|--------|------------------|-------------|-------------------|---------|
| 1 Printing (8.5x11) | Sheets | 200 | @ \$ 0.05 | = \$ 10.00 | |
| 2 Printing (8.5x11 Color) | Sheets | 50 | @ \$ 0.16 | = \$ 8.00 | |
| 3 Printing (11x17) | Sheets | 100 | @ \$ 0.10 | = \$ 10.00 | |
| 4 Printing (11x17 Color) | Sheets | 50 | @ \$ 0.32 | = \$ 16.00 | |
| 5 Postage & Shipping | LS | - | @ \$ 100.00 | = \$ - | |
| 6 Postcards/Shipping Postcards | Each | - | @ | = \$ - | |
| 7 Display Boards (16) | sq ft | - | @ \$ 7.00 | = \$ - | |
| 8 Roll Plot - Color | sq ft | - | @ \$ 0.90 | = \$ - | |
| 9 Display Ad | Each | - | @ \$ 210.00 | = \$ - | |
| 10 Meeting Refreshments | LS | - | @ \$ 50.00 | = \$ - | |
| 11 Mileage | Miles | - | @ \$ 0.560 | = \$ - | |
| 12 Meals | Day | 6 | @ \$ 66.00 | = \$ 396.00 | |
| 13 Lodging | Each | 2 | @ \$ 147.00 | = \$ 294.00 | |
| 14 Lodging Tax | Each | 2 | @ \$ 22.05 | = \$ 44.10 | |
| 15 Airfare - Denver to Boise | Each | 1 | @ \$ 350.00 | = \$ 350.00 | |
| 16 Airfare - Spokane to Boise | Each | 1 | @ \$ 250.00 | = \$ 250.00 | |
| 17 Rental Car | Each | 2 | @ \$ 75.00 | = \$ 150.00 | |
| 18 Fuel | Gals | 40 | @ \$ 3.50 | = \$ 140.00 | |
| HDR Engineering, Inc. Total Estimated Expenses | | | | \$1,668.10 | |

Task 120

| Expense | | Unit | Estimated Amount | Unit Cost | Estimated Expense |
|----------------------------|------|------|------------------|-------------|-------------------|
| Meals | Day | 5 | @ \$ 66.00 | = \$ 330.00 | |
| Lodging | Each | 2 | @ \$ 147.00 | = \$ 294.00 | |
| Lodging Tax | Each | 2 | @ \$ 22.05 | = \$ 44.10 | |
| Airfare - Denver to Boise | Each | 1 | @ \$ 350.00 | = \$ 350.00 | |
| Airfare - Spokane to Boise | Each | 1 | @ \$ 250.00 | = \$ 250.00 | |
| Rental Car | Each | 1 | @ \$ 75.00 | = \$ 75.00 | |
| Fuel | Gals | 20 | @ \$ 3.50 | = \$ 70.00 | |

Jordan Block fly to Boise, drive with team to Ketchum
 Sean Messner fly to Boise, drive with team to Ketchum

14.4

Task 730

| Expense | | Unit | Estimated Amount | Unit Cost | Estimated Expense |
|------------|------|------|------------------|------------|-------------------|
| Meals | Day | 1 | @ \$ 66.00 | = \$ 66.00 | |
| Rental Car | Each | 1 | @ \$ 75.00 | = \$ 75.00 | |
| Fuel | Gals | 20 | @ \$ 3.50 | = \$ 70.00 | |

CONSULTANT NAME: L2 Data Collection
PROJECT NAME: City of Ketchum Warm Springs Road Corridor Alternatives Analysis
PROJECT NO.: N/A
KEY NO. N/A



June 2, 2021

**TRAFFIC DATA COLLECTION SERVICES FOR
HDR
Scope of Services and Cost Proposal**

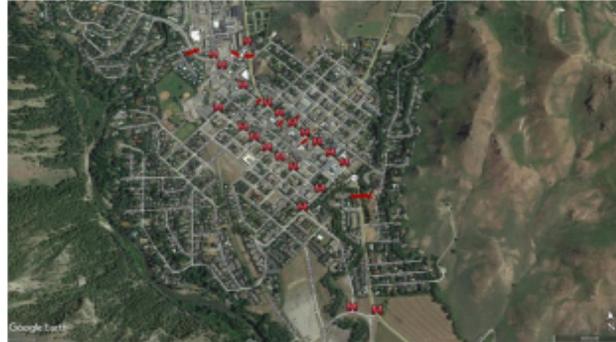
L2 Data Collection (L2DC) is pleased to submit this proposal to provide traffic data collection services in Ketchum, ID.

1. Data Collection: Intersection Turning Movement

Type: Vehicle Volume & Direction
Time: 7:00-9:00AM and 4:00-6:00PM
Classification: Yes
Pedestrian & Bikes: Yes
Day: Weekday – Tuesday, Wednesday, or Thursday
Locations:
Main Street & River Street
Main Street and 1st Street
Main Street and 2nd Street
Main Street and Sun Valley Road
Main Street and 4th Street (Sun Valley Trail)
Main Street and 5th Street
Main Street and 6th Street
SH-75 and 10th Street
Warm Springs Road and 10th Street
Warm Springs Road and Lewis Street
SH-75 and Serenade Lane
2nd Street and Serenade Lane
2nd Street and River Street
1st Avenue and River Street
1st Avenue and 2nd Street
1st Avenue and Sun Valley Road
1st Avenue and 4th Street (Sun Valley Trail)
1st Avenue and 5th Street
1st Avenue and 6th Street
1st Avenue and 8th Street
Warm Springs and 8th Street



Site Image:



2. Data Collection: Machine Tube Count

Type: Vehicle Volume & Direction
Duration: 24-hours
Classification: Yes *
Day: Weekday – Tuesday, Wednesday, or Thursday
Locations:
Main Street east of River Street
Main Street between Sun Valley Road and 2nd Street
Main Street east of 5th Street
SH-75 east of 10th Street
Warm Springs west of Lewis Street
Warm Springs east of 7th Street
10th Street between Warm Springs Road and SH-75

* It may not be possible to collect accurate speed and classification data in the congested areas on Main Street.

3. Deliverables

The Traffic Data Report will be delivered no later than 10 days after the on-site data collection is completed.

4. Contract and Payment Terms

Payment terms for the services listed above are net 90 days. Client will notify L2DC, prior to authorizing work, if terms are pay-when-paid.

5. Cost Proposal

The total lump-sum cost for the services listed above is \$12,650.00, including travel time, mileage, lodging, data collection and data processing.