

# COUNTY OF KANE

Christopher J. Lauzen  
Kane County Board Chairman



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## DOCUMENT VET SHEET

for  
Christopher J. Lauzen  
Chairman, Kane County Board

Name of Document: Phase I Engineering Agreement with HDR Inc.

Montgomery Road Corridor, Kane Co Sec #13-00127-00-WR

Submitted by: Linda Haines

Date Submitted: January 30, 2013

Examined by: Pat Jaeger  
(Print name)

[Signature]  
(Signature)

03-08-13  
(Date)

*[Handwritten Signature]*  
6.2.2013  
**RECEIVED**  
JUN 04 2013  
KANE COUNTY BOARD

Post on the Web: YES ☒ NO ☐ Atty. Initials [Signature]

Comments:

Chairman signed: YES ☒ NO ☐ 6/4/13  
(Date)

Document returned to: Clerk for signature & seal  
(Name/Department) 6/4/13

**AN AGREEMENT BETWEEN THE COUNTY OF KANE AND  
HDR INC. FOR PHASE I ENGINEERING FOR  
MONTGOMERY ROAD (C.H. 29)  
KANE COUNTY SECTION NO. 13-00127-00-WR**

**PURCHASE ORDER #2013-**

This AGREEMENT, made this 14th day of May 2013 between COUNTY OF KANE, a body corporate and politic of the State of Illinois (hereinafter referred to as the "COUNTY"), of 719 South Batavia Avenue, Geneva, Illinois 60134 and HDR ENGINEERING, INC, a Nebraska corporation authorized to do business in the State of Illinois and an Illinois licensed professional engineering firm, with offices at 8550 West Bryn Mawr Avenue, Suite 900 Chicago, Illinois 60631(hereinafter referred to as the "CONSULTANT"). The COUNTY and the CONSULTANT are sometimes hereinafter collectively referred to as the "PARTIES" and individually as a "PARTY".

**WITNESSETH**

WHEREAS, it is deemed to be in the best interest of the COUNTY and the motoring public to improve and maintain the various highways throughout Kane County; and,

WHEREAS, the COUNTY desires to improve Kane County Highway No. 29, (Montgomery Road) (hereinafter referred to as the "PROJECT"); and,

WHEREAS, in order to accomplish the PROJECT it is necessary to retain the services of a professional engineering firm to perform Phase I Engineering services for the PROJECT; and,

WHEREAS, the CONSULTANT has experience and professional expertise in Phase I services and is willing to perform said services for the PROJECT for an amount not to exceed Nine Hundred Sixty One Thousand Six Hundred Thirty-Three and 48/100 Dollars (\$961,633.48); and

WHEREAS, the COUNTY has determined that it is in the COUNTY'S best interest to enter into this AGREEMENT with the CONSULTANT.

NOW, THEREFORE, in consideration of the above stated preambles, the mutual covenants and agreements herein set forth, the PARTIES do hereby mutually covenant, promise, agree and bind themselves as follows:

**1.0 INCORPORATION**

- 1.1 All of the preambles set forth hereinabove are incorporated into and made part of this AGREEMENT.

**2.0 SCOPE OF SERVICES**

- 2.1 Services for the PROJECT are to be provided by the CONSULTANT according to the specifications set forth in Exhibit "A" which is attached hereto and

incorporated herein. The services are sometimes hereinafter also referred to as the "work".

### 3.0 NOTICE TO PROCEED

- 3.1 Authorization to proceed with the work described and as otherwise set forth in Exhibit "A" shall be given on behalf of the COUNTY by the Kane County Engineer, in the form of a written notice to proceed (hereinafter "Notice to Proceed"), following execution of this AGREEMENT by the County Board Chairman of the COUNTY.

### 4.0 TECHNICAL SUB-CONSULTANTS

- 4.1 The prior written approval of the Kane County Engineer shall be required before any sub-consultants are hired by the CONSULTANT to perform any of the work.
- 4.2 Any such sub-consultants shall be hired and supervised by the CONSULTANT and the CONSULTANT shall be solely responsible for any and all work performed by said sub-consultants in the same manner and with the same liability as if performed by the CONSULTANT.

### 5.0 TIME FOR PERFORMANCE

- 5.1 The CONSULTANT shall commence work on the PROJECT as directed in the Notice to Proceed. The COUNTY is not liable and will not pay the CONSULTANT for any work performed prior to the date of the Notice to Proceed or after termination of this AGREEMENT.
- 5.2 Within ten (10) days after the Notice to Proceed is mailed or otherwise transmitted to the CONSULTANT, the CONSULTANT shall submit a schedule for completion of the PROJECT. The schedule is subject to approval by the Kane County Engineer.

### 6.0 COMPENSATION

- 6.1 The COUNTY shall only pay the CONSULTANT for work performed and shall pay only in accordance with the provisions of this AGREEMENT.
- 6.2 For work performed, the COUNTY shall pay the CONSULTANT based upon the hourly rates set forth in Exhibit "B", which is attached hereto and incorporated herein and which rates includes overhead and profit.
- 6.3 For direct expenses, the COUNTY shall pay the CONSULTANT for supplies and materials required for the completion of all work defined in the Exhibit "A" which is attached hereto.

- 6.4 For direct expenses, the CONSULTANT shall include copies of receipts from suppliers for expendable materials with its invoice to the COUNTY. Computer charges will not be allowed as direct expenses.
- 6.5 Within 45 days of receipt, review and approval of properly documented invoices, the COUNTY shall pay or cause to be paid to the CONSULTANT partial payments of the compensation specified in this AGREEMENT. Payment will be made in the amount of sums earned less previous partial payments. However, the COUNTY reserves the right to hold back a sum equal to five percent (5%) of the total AGREEMENT sum to ensure performance satisfactory to the Kane County Engineer.
- 6.6 All invoices shall be submitted on the most current Illinois Department of Transportation Bureau of Design and Environment invoicing form appropriate for the PROJECT.
- 6.7 The CONSULTANT agrees to receive all payment for work performed under this AGREEMENT via the COUNTY's automatic clearing house program.
- 6.8 All invoicing will be based upon calendar months solely.
- 6.9 Total payments to the CONSULTANT under the terms of this AGREEMENT shall not exceed Nine Hundred Sixty-One Thousand, Six Hundred Thirty-Three Dollars and Forty-Eight Cents. (\$961,633.48).
- 7.0 DELIVERABLES.
  - 7.1 The CONSULTANT shall provide the COUNTY, prior to the termination of this AGREEMENT, or at such time as the Kane County Engineer directs, any required deliverables related to work performed under this AGREEMENT.
  - 7.2 Upon receipt, review and acceptance of all deliverables by the COUNTY (if required), final payment will be made to the CONSULTANT by the COUNTY.
- 8.0 CONSULTANT'S INSURANCE
  - 8.1 The CONSULTANT shall, during the term of this AGREEMENT and as may be required thereafter, maintain, at its sole expense, insurance coverage including:
    - A. Worker's Compensation Insurance in the statutory amounts.
    - B. Employer's Liability Insurance in an amount not less than Five Hundred Thousand Dollars (\$500,000) each accident/injury and Five Hundred Thousand Dollars (\$500,000) each employee/disease.
    - C. Commercial General Liability Insurance, (including contractual liability) with limits of not less than One Million Dollars (\$1,000,000) per occurrence bodily injury/property damage combined single limit;

Two Million Dollars (\$2,000,000) excess liability coverage in the aggregate for injury/property damage combined single limit and Two Million Dollars (\$2,000,000) in the aggregate for products-completed operations.

D. Commercial Automobile Liability Insurance with minimum limits of at least One Million Dollars (\$1,000,000) for any one person and One Million Dollars (\$1,000,000) for any one occurrence of bodily injury or property damage.

E. Professional Errors and Omissions Insurance with a minimum limit of One Million Dollars (\$1,000,000.00).

8.2 It shall be the duty of the CONSULTANT to provide to the COUNTY copies of the CONSULTANT'S certificates of insurance before issuance of the Notice to Proceed. The certificates of insurance shall include the name of the Kane County PROJECT, as well as the section number. The CONSULTANT shall provide the COUNTY and maintain a certificate of insurance for its General Liability, Automobile, Professional Errors and Omissions, and Umbrella Insurance Policies, if applicable, which certificate, with the exception of the Professional Errors and Omissions, shall include the COUNTY as additional named insured, and the certificate holder as the COUNTY, 719 S. Batavia Ave., Geneva, IL 60134. The additional named insured endorsement included on the CONSULTANT'S Commercial General Liability, Automobile and Umbrella Policies shall provide the following:

- A. That the coverage afforded the additional named insured will be primary insurance for the additional named insured with respect to claims arising out of operations performed by or on behalf of the CONSULTANT;
- B. That if the additional named insured has other insurance which is applicable to the loss, such other insurance will be only on an excess or contingent basis;
- C. That the amount of the CONSULTANT'S liability under the insurance policy will not be reduced by the existence of such other insurance; and,
- D. That the certificate of insurance shall contain a provision or endorsement that the coverage afforded will not be canceled until at least thirty (30) days prior written notice has been given to COUNTY.

8.3 The insurance required to be purchased and maintained by CONSULTANT shall be provided by an insurance company acceptable to the COUNTY with an AM Best rating of A- or better, and licensed to do business in the State of Illinois; and shall include at least the specified coverage and be written for not less than the limits of the liability specified herein or required by law or regulation whichever is greater. In no event shall any failure of the COUNTY to receive policies or certificates of insurance or to demand receipt of the same be construed as a waiver

of the CONSULTANT'S obligation to obtain and keep in force the required insurance.

## 9.0 INDEMNIFICATION.

- 9.1 To the fullest extent permitted by law, the CONSULTANT shall indemnify and hold harmless the COUNTY, and its officials, directors, officers, agents, and employees from and against any and all claims, damages, losses, and expenses, including but not limited to reasonable court costs and attorney's fees, arising out of or resulting from performance of the work, provided that such claim, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of property, including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the CONSULTANT, a sub-consultant, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, excluding any proportionate amount of any claim, damage, loss or expense which is caused by the negligence of the COUNTY. Such obligation shall not be construed to negate, abridge or reduce other rights or obligations of indemnity, which would otherwise exist as to a PARTY or person described in this paragraph. In claims against the COUNTY and its officials, directors, officers, agents, and employees by an employee of the CONSULTANT, a sub-consultant, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this paragraph shall not be limited by a limitation on the amount or type of damages, compensation or benefits payable by or for the CONSULTANT or a sub-consultant under workmen's compensation acts, disability benefit acts or other employee benefit acts.
- 9.2 Nothing contained herein shall be construed as prohibiting the COUNTY, its officials, directors, officers, agents, and employees, from defending through the selection and use of their own agents, attorneys and experts, to defend any claims, actions or suits brought against them.
- 9.3 If any errors, omissions, intentional or negligent acts are made by the CONSULTANT or sub-consultant in any phase of the work, the correction of which requires additional field or office work, the CONSULTANT shall be required to perform such additional work as may be necessary to remedy same without undue delay and without charge to the COUNTY.
- 9.4 Acceptance of the work by the COUNTY will not relieve the CONSULTANT of the responsibility for the quality of the work, nor of the CONSULTANT'S liability for loss or damage to property or persons resulting therefrom.

## 10.0 SATISFACTORY PERFORMANCE.

- 10.1 The CONSULTANT'S and sub-consultant's standard of performance under the terms of this AGREEMENT shall be that which the Consultant shall perform in a manner consistent with that degree of care and skill ordinarily exercised by

members of the same profession currently practicing under similar circumstances commonly accepted in the industry in the Chicago metropolitan area.

11.0 CONFLICT OF INTEREST.

- 11.1 The CONSULTANT covenants that it has no conflicting public or private interest and shall not acquire directly or indirectly any such interest which would conflict in any manner with the performance of CONSULTANT'S services under this AGREEMENT.
- 11.2 The CONSULTANT, by its signature on this AGREEMENT, certifies that it has not been barred from being awarded a contract or subcontract under the Illinois Purchasing Act; and further certifies that it has not been barred from contracting with a unit of State or Local government as a result of a violation of Section 33E-3 or 33E-4 of the Illinois Criminal Code (Illinois Compiled Statutes, 1992, Chapter 720, paragraph 5/33E-3).

12.0 OWNERSHIP OF DOCUMENTS.

- 12.1 The CONSULTANT agrees that all survey data, reports, drafting, studies, specifications, estimates, maps, documents and computations prepared by the CONSULTANT under the terms of this AGREEMENT shall be properly arranged, indexed and delivered to the COUNTY within ninety (90) days of written request therefor. The CONSULTANT's obligation hereunder shall survive the termination of this AGREEMENT.
- 12.2 The documents and materials made or maintained under this AGREEMENT shall be and will remain the property of the COUNTY. The COUNTY shall not reuse or make any modification to the construction documents without the prior written authorization of the CONSULTANT. The COUNTY agrees, to the fullest extent permitted by law, to defend, indemnify and hold harmless the CONSULTANT, its officers, directors, employees and subconsultants (collectively, CONSULTANT) against any damages, liabilities or costs, including reasonable attorneys' fees and defense costs, arising from or allegedly arising from or in any way connected with the unauthorized reuse or modification of the construction documents by the COUNTY or any person or entity that acquires or obtains the construction documents from or through the COUNTY without the written authorization of the CONSULTANT..

13.0 COMPLIANCE WITH STATE AND OTHER LAWS – PREVAILING WAGE ACT.

- 13.1 The CONSULTANT and any sub-consultants will comply with all State, Federal and Local statutes, ordinances and regulations; and will obtain all permits as are applicable.

- 13.2 The CONSULTANT and any sub-consultants shall not discriminate against any worker, job applicant, employee or any member of the public, because of race, creed, color, sex, age, handicap, or national origin, or otherwise commit an unfair employment practice.
- 13.3 The CONSULTANT and any sub-consultant(s) shall comply with all applicable State and Federal Prevailing Rate of Wage Laws, and shall take all steps necessary to remain in compliance therewith. (See Exhibit "C")
- 13.4 The CONSULTANT and any subconsultants shall comply with the Kane County Ethics Ordinance (Article II, Division 3, Section 2-211), (See Exhibit "D").

14.0 MODIFICATION OR AMENDMENT.

- 14.1 The terms of this AGREEMENT may only be modified or amended by a written document duly executed by both PARTIES.

15.0 TERM OF THIS AGREEMENT.

- 15.1 The term of this AGREEMENT shall begin on the date this AGREEMENT is fully executed and shall continue in full force and effect until the earlier of the following occurs:
  - A. The PARTY'S termination of this AGREEMENT in accordance with the terms of Section 16.0; or,
  - B. Upon the 548<sup>th</sup> day after receipt by the CONSULTANT of the Notice to Proceed from the Kane County Engineer on behalf of the COUNTY. (The fee payable to the CONSULTANT for services rendered shall be for 548 calendar days during the periods from June 2013 to November 2014 as set forth on Exhibit A attached hereto).
- 15.2 In the event the required calendar days as stated in Section 15.1 B above are exceeded and/or anticipated personnel requirements are not adequate and remaining funds are not sufficient to complete the PROJECT, adjustments in total compensation to the CONSULTANT may, at the sole option of the COUNTY be determined through negotiation between the COUNTY and the CONSULTANT. The COUNTY shall however, have no obligation to agree to any adjustment in total compensation or in the term of this AGREEMENT.
- 15.3 The date of the first calendar day for this AGREEMENT shall be the date of receipt of the Notice to Proceed by the CONSULTANT from the COUNTY. In the event the PROJECT work is suspended by the COUNTY as recorded on the "Report of Starting and Completion Date," the calendar days for this AGREEMENT will also be suspended for a like amount of time.
- 15.4 Notwithstanding anything in Section 15.0 to the contrary, the Kane County Engineer may at his sole option, upon the request of the CONSULTANT, extend



the term of this AGREEMENT for a period of time up to but not exceeding two, one-year periods.

16.0 TERMINATION ON WRITTEN NOTICE.

16.1 Except as otherwise set forth in this AGREEMENT, the CONSULTANT shall have the right to terminate this AGREEMENT for cause upon serving sixty (60) days written notice upon the COUNTY.

16.2 The COUNTY may terminate this AGREEMENT at any time for any reason upon written notice to the CONSULTANT.

16.3 Upon termination of this AGREEMENT, the obligations of the PARTIES to this AGREEMENT shall cease, but they shall not be relieved of the duty to perform their obligations up to the date of termination. Notwithstanding anything in this AGREEMENT to the contrary however, the obligations of the CONSULTANT to indemnify and hold harmless the COUNTY as provided for in Section 9.0 of the AGREEMENT shall survive the termination of this AGREEMENT.

16.4 Upon termination of this AGREEMENT, all data, work products, reports and documents produced, as a result of this AGREEMENT shall become the property of the COUNTY.

17.0 ENTIRE AGREEMENT.

17.1 This AGREEMENT contains the entire agreement and understandings between the PARTIES.

17.2 There are no other covenants, promises, conditions or understandings, either oral or written, other than those contained herein.

18.0 NON-ASSIGNMENT.

18.1 This AGREEMENT shall not be assigned by a PARTY without prior written approval of the other PARTY.

19.0 SEVERABILITY.

19.1 In the event any provision of this AGREEMENT is held to be unenforceable for any reason, the enforceability thereof shall not affect the remainder of the AGREEMENT, which will remain in full force and effect and enforceability in accordance with its terms.

20.0 GOVERNING LAW.

20.1 This AGREEMENT shall be governed by the laws of the State of Illinois both as to interpretation and performance.

20.2 Venue for any dispute arising hereunder shall be in the Circuit Court of the Sixteenth Judicial Circuit, Kane County, Illinois.

21.0 NOTICE.

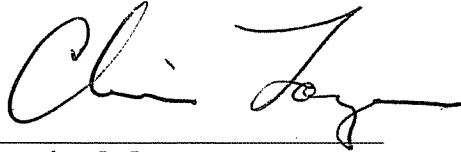
Any required notice shall be sent to the following addresses and party:

KANE COUNTY DIVISION OF TRANSPORTATION  
41W011 Burlington Road  
Saint Charles, IL 60175  
Attn.: Carl Schoedel, P.E., Kane County Engineer

HDR ENGINEERING, INC.  
8550 West Bryn Mawr Avenue Suite 900  
Chicago, Illinois 60631  
Attn.: Patrick J. Pechnick

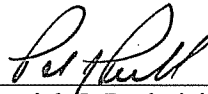
IN WITNESS WHEREOF, the parties set their hands and seals as of the date first written above.

COUNTY OF KANE



Christopher J. Lauzen  
CHAIRMAN, KANE COUNTY BOARD

HDR ENGINEERING, INC.



By: Patrick J. Pechnick  
VICE PRESIDENT

ATTEST:

ATTEST:

\_\_\_\_\_  
JOHN A. CUNNINGHAM  
KANE COUNTY CLERK

(Seal)

  
By:  GAYLE L. GARCIA  
PROJECT CONTROLLER

## Montgomery Road (CH 29) Phase I Engineering Study - IL 25 to Hill Avenue

### Scope of Work

The Montgomery Road corridor includes the development of Phase I engineering and preparation of preliminary designs for improvements of the roadway in the Village of Montgomery. The study will evaluate alternatives for widening Montgomery Road with a continuous center turn lane, intersection improvements at Douglas Road and others, and drainage designs. The study will comply with the Federal Aid guidelines and follow the IDOT Bureau of Local Roads and Streets procedures. HDR's approach to this project integrates the project goals and National Environmental Policy Act (NEPA) guidelines to provide a comprehensive solution.

1. **Review of Existing Conditions/Data Collection** – The HDR Team will collect data that will be used throughout the study. The use of innovative and cost-saving technologies for collecting and analyzing data in the study area will ultimately result in savings for the County. The following items will be collected by the HDR Team and/or from the County or other local agencies:

- **Existing Traffic Volumes** - HDR will obtain historical traffic volume information (ADT and available peak hour) from Kane County. HDR will update this data by the use of MioVision services to collect turning movement peak hour traffic counts (7 to 9 am and 4 to 6 pm). This work is done with the use of video cameras and computer software processing. Intersections along Montgomery Road that will be counted include IL 25, South Broadway Road, 3<sup>rd</sup> Avenue/South Broadway Avenue, Briarcliff Road, Douglas Road, 5<sup>th</sup> Street, and Hill Avenue. Additional limited traffic observations will be made to estimate traffic data for minor side roads and access points. Pedestrian/bicycle usage along the Virgil Gilman Trail will be determined based on observations and local agency coordination.
- **Crash Data** - HDR will conduct a safety analysis with information requested from the IDOT Division of Highway Safety. The analysis includes organizing the crash data for the three most recent years available and coordinating if a 5% Severe Location exists. HDR will also compile police reports requested through Kane County for the Douglas Road intersection and the S-curve area near South Broadway Avenue to assist in identifying potential geometric safety improvements that may be needed. A crash spot map will be developed and an analysis of the fatal and severe injury crashes will be made to determine patterns and trends. Appropriate countermeasures will be identified and a crash reduction factor predicted.
- **Montgomery Road Record Plans (as-builts)** - HDR will obtain an electronic and hard copy of the Montgomery Road As-Built Plans from KDOT. These plans will include existing right-of-way lines and property lines.
- **GIS Mapping** – HDR will collect existing GIS shapefiles within the study area. These files will be used in the development of the environmental inventory map. HDR will obtain

the most recent files available from the agencies involved and coordinate with Kane County to ensure all resources are provided.

- **Geotechnical Data** – A recommended plan has been identified based upon past IDOT coordination. The HDR Team will provide the following geotechnical services:
  - Prepare boring and core locations plan and layout the boring and core locations using Trimble surveying equipment.
  - Coordinate with JULIE to clear boring locations for utilities.
  - Utilize truck-mounted drill rig to perform nineteen (19) 10 ft deep borings staggered between lanes along Montgomery Road and Douglas Road. Hand auger borings to 6 ft depth will be completed at locations where the rig cannot access.
  - Utilize a hand operated coring machine to obtain sixteen (16) full-depth pavement cores at approximate 1000 ft spacing staggered between lanes.
  - Continuously sample the soils to boring termination depth of 10 feet with 2-foot long, 1.3-inch diameter split spoon. Borings will be backfilled with soil cuttings and bentonite chips and the pavement will be restored following Kane County special requirements.
  - Perform laboratory testing on soil samples. The testing program will include natural moisture content on all soil samples; particle size analyses, Atterberg limits, and organic content testing on select samples.
  - Prepare geotechnical roadway report (RGR) following the IDOT Geotechnical Manual and most recent IDOT's All Geotechnical Manual Users (AGMU) Memoranda. The RGR will include a description of procedures for field and laboratory investigation, description of the soils and groundwater conditions, recommendations for site preparation including as needed subgrade improvements, geotechnical parameters for pavement design, and for traffic signal foundations. Also included in the report will be boring logs, core photographs, boring and core location plan, and soil profiles.
  - Meet with Kane County to discuss the findings of the investigation and subsequent recommendations.

## **2. Surveying**

- **Topographic Surveys** – The survey will be used as a base map for design purposes. The survey limits will include the Montgomery Road right-of-way (ROW) from approximately the east bridge approach (just west of IL 25) to 750 feet east of the Hill Avenue intersection. Douglas Road ROW from 2,000 feet north and south of the intersection with Montgomery Road. The survey limits will include areas outside of the existing right of way which will be impacted by the proposed improvements. Included are the following survey tasks:

- Horizontal Control: Utilizing state plane coordinates (NAD '83, Illinois East Zone, 2007 Adjustment); the HDR Team will establish recoverable primary control.
  - Vertical Control: Establish site benchmarks for construction purposes, tied to the NAVD '88 Vertical Datum (including NGVD '29 Vertical Datum correlation). A level circuit will be run throughout the project, establishing benchmarks and assigning a vertical datum on the horizontal control points.
  - Field recon and survey to locate existing monumentation and boundary evidence. This survey will include the Right-of-Way monuments at block corners only along the corridor east of Douglas Road and the Right-of-Way monuments west of Douglas Road. This effort will establish the approximate Right-of-Way.
  - Research at the Kane County Recorder's Office. Analyze Record and Field Data necessary to compute Right-of-way.
  - All above ground utilities including, but not limited to: water, sanitary sewer, storm sewer, telephone, electric, cable and gas, etc. Identify size, type, rim, and invert elevations.
  - Existing hardscape improvements located in the project limits including paving, curbs, light fixtures, walks, street signs, parking, fencing and gates. Cross sections every 50 feet along the project limits on Montgomery Road and Douglas Road. Cross sections will also be done at crossroads and driveway entrances.
  - The corridor width to be surveyed will include the existing Right-of-Way plus an additional 25 feet outside the Right-of-Way to pick up topography and drainage features. Building faces will be surveyed if they fall within that area.
  - All trees of 6 inch caliper or greater to be surveyed. Provide tree size, location and elevation on survey.
  - Properties with locked fences or with dogs or other animals in those yards will have survey completed up to the fence lines.
  - Office calculations and plotting of field and record data.
  - Office contouring of field data and one foot contour intervals.
  - Drafting of an Existing Conditions Plan at a scale of 1"=50'.
  - **Create Base Maps** – HDR will develop base maps from the ground survey, available, existing plan sheets, and aerial mapping from Google-Earth. These maps will be used as the base for preliminary design plans and study exhibits. Additional pick-up survey will be completed as necessary.
3. **Future Travel Demand** – HDR will coordinate with Kane County and CMAP in developing projected 2040 traffic volumes (ADT and peak hour).

4. **Traffic Operational Analysis** – HDR will conduct traffic operational analyses and traffic simulation for the Montgomery Road corridor.

- **Operational Analysis** – The analysis will be conducted using Highway Capacity Software (HCS) for the existing (2012), No-Action (2040), and Build Alternative (2040). The operational analysis will consist of a.m. peak hour and p.m. peak hour. The Existing, No-Action, Build Alternative operational analysis will follow the Highway Capacity Manual approach.
- **Traffic Simulation** – SimTraffic is a simulation model that can more accurately present the operational flow. HDR will develop a SimTraffic model for the Existing, No-Action, and Build Alternative scenarios. The simulation models will be a useful tool to present to the Village of Montgomery and the public stakeholders. (THIS TASK WILL BE A CONTINGENCY, ONLY TO BE INITIATED WITH APPROVAL FROM THE COUNTY.)

5. **Alternatives Analysis** – The alternatives analysis process includes the identification of evaluation criteria, brainstorming a range of potential alternatives, and screening the alternatives to identify the Preferred Alternative. The evaluation criteria will be developed based on the Purpose and Need of the project. Alternative geometric considerations include appropriate locations for roadway widening to add a third lane (center turn lane) with an urban or rural cross section, turn lane considerations, intersection improvements at Douglas Road, and intersection reconfigurations at the S-curve near South Broadway Avenue. These alternatives will be thoroughly evaluated. In addition, Montgomery Road alignment shift alternatives may be considered to avoid impacts to sensitive environmental areas or existing development if necessary.

- **Evaluation Criteria Identification** - Evaluation criteria and measurement of effectiveness will be identified. The criteria will be based on the Project's Purpose and Need.
- **Brainstorm Range of Potential Alternatives with Conceptual Design** - A range of potential alternatives that avoids or minimize impacts will be identified. Alternatives may include alignment shifts, retaining walls, curb and gutter, slope variances, intersection configurations and traffic controls, etc. HDR will also research and present innovative treatments to enhance the crossing for the Virgil Gilman Trail.
- **Conduct Comparative Screening Analysis** - Alternatives will be evaluated against each other for feasibility and addressing the Project's Purpose and Need based on the evaluation criteria. HDR will also engage real estate professionals to conduct a review of the parcels near the intersection of Montgomery Road and Douglas Road to identify constraints and opportunities with respect to potential intersection improvement alternatives. This information would also support the cost comparison of the alternatives.
- **Identify Preferred Alternative** - Based on the results of the evaluation process and coordination with Kane County, the Preferred Alternative will be identified.

6. **Preliminary Design of Preferred Alternative** – Conceptual design of the alternatives will occur in the Alternatives Analysis task. Additional design (Preliminary Design) will be completed for the Preferred Alternative only. If roundabouts are included as part of the preferred alternative then the roundabout design will follow the guidelines provided in Roundabouts: An Informational Guide, USDOT, FHWA, Publication No. FHWA-RD-00-067. Design elements will be completed in Microstation V8 and Geopak.
- **Plan & Profile** – Plan and profile sheets will be developed for the Preferred Alternative. The sheets will be submitted (hard copy and electronic – PDF format) at a 1" = 50' scale. It is assumed 15 sheets will be submitted.
  - **Cross-Sections** – Cross sections will be created for the Preferred Alternative. The sections will be cut every 100 feet plus at access points and drainage structures, with a total of up to 250 cross-sections. Labeling on the cross sections will be limited with additional detail to be added during the Phase II design. The sheets will be submitted (hard copy and electronic – PDF format).
  - **Pedestrian/Bicycle Improvements** – The Preferred Alternative will accommodate the future off road pedestrian/bicycle path that is being considered along Montgomery Road. Field work and alignment planning will be done to determine the most appropriate location for the path.
  - **Landscaping/Aesthetic Enhancements Plan** – A Landscaping/Aesthetic Enhancement Plan will be developed for the Preferred Alternative for elements within Kane County right-of-way. The plan will include general concepts used as guidance for the design phase. The plan will be developed through coordination with local agencies and stakeholders. The plan may recommend conceptual features such as types of seeding, trees, detention basins, signage, etc.
  - **Maintenance-of-Traffic** – A Maintenance-of Traffic (MOT) general plan will be developed for the Preferred Alternative, specific plans will be included during the Phase II plan development. The MOT Plan will include an efficient strategy to construct the Preferred Alternative while minimizing traffic delays,, business impacts, impediment to emergency services and pedestrian/bicyclist conflicts.
  - **Right-of-Way Acquisition Calculations** – Required right-of-way acquisitions will be calculated for the Preferred Alternative. A matrix will be developed that presents the property owner, PIN, type (easement versus full take), the future owner (Kane County, IDOT, or Village of Montgomery) and the amount of right-of-way needed.
7. **Intersection Design Studies (Preferred Alternative)** – An Intersection Design Study (IDS) will be prepared for the following intersections with Montgomery Road: IL 25, South Broadway Avenue, Douglas Road, and Hill Avenue. The IDSs will include a base exhibit (capacity analysis tables, turning movement diagram, traffic data table, data for elements controlling design, phasing diagram, location map, and general notes), intersection details, and profiles. An IDS for 5<sup>th</sup> Street is identified as a CONTINGENCY, ONLY TO BE INITIATED WITH APPROVAL FROM THE COUNTY.

8. **Right-of-Way Plats and Legals** – This task will be completed as part of the Phase II design.
9. **Preliminary Cost Estimate** – A planning-level cost estimate will be completed for the Preferred Alternative. The cost estimate will be in a unit price format approved by Kane County. Unit prices will be obtained through previous bid information. The estimate will include elements such as construction, utility adjustments, land acquisition, and engineering costs. The cost estimate will be prepared in Excel format.
10. **Environmental Analyses** – The Montgomery Road study will be processed through the IDOT Bureau of Local Roads and Streets. Based on this understanding, the IDOT Environmental Survey Request Form (ESRF) will be completed with IDOT resources conducting the majority the necessary environmental field surveys.

Potential impacts to the resources (for the Preferred Alternative) will be evaluated in detail. The design of the Preferred Alternative will be modified to avoid and minimize impacts where feasible. If avoidance is not feasible, mitigation measures will be identified. In evaluating the environmental impacts, Kane County (with HDR support) will coordinate with the jurisdictional agencies and/or organizations directly affected by the Preferred Alternative.

- **Environmental Survey Request Form** – HDR will prepare and submit the IDOT Environmental Survey Request (ESR) Form. This task includes filling out the form and creating exhibits for the attachments.
- **Environmental Field Review/Reconnaissance** – HDR will conduct the environmental field review to verify that there will not be a significant impact or concerns. The review will be documented in the Project Development Report. The review will assist in the identification of environmental resources within the area.
- **Environmental Inventory Map (critical issues map)** – HDR will prepare an environmental inventory map that includes all of the environmental resources within the study area. This map will be developed in GIS.
- **Air Quality** – The study area is located in a non attainment area for 1-hour ozone, 8-hour ozone, and for PM2.5 with respect to NAAQS. Since the County is listed as attainment for carbon monoxide, no dispersion modeling is required. Because modeling is not necessary, HDR will summarize the pollutants of concern in a qualitative manner. This includes summarizing air quality measurements near the study area. In addition, potential changes to PM2.5 based on the proposed improvements and projected traffic volumes will be discussed. Measures to minimize dust during construction and the state and local requirements for dust control measures will be listed.
- **Agricultural** – The amount of farmland converted to non-agricultural use due to the proposed improvements and any protected agricultural areas/agri-businesses within the study area will be identified. Substantial farmland impacts are not anticipated.



- **Biological Resources** – HDR will support IDOT in the biological resources evaluation. It is assumed that IDOT will conduct the environmental field surveys for all biological resources. HDR will document the results of the survey and calculate the potential impacts. HDR will conduct a tree survey and impact analysis. The tree survey will include the identification of tree species, size, and health along the proposed right-of-way. In addition, the number of trees potentially impacted by the project will be identified.
- **Cultural Resources** – HDR will support IDOT in the cultural resources evaluation. It is assumed that IDOT will conduct the environmental field surveys for all cultural resources. HDR will document the results of the survey and calculate the potential impacts.
- **Floodplains** – HDR will identify 100-Year and 500-Year floodplains and floodways within the study area. Potential impacts and encroachments to the 100-year floodplains and floodways will be identified.
- **Land Use/Zoning** – HDR will review land use and zoning maps from local agencies. These areas will be identified within the study area. Potential positive/negative impacts will be identified.
- **Geologic Resources** – Geology and hydrogeology of the area will be researched to identify the underlying rock strata, occurrence of groundwater, existence of fault lines, underground cavities, unstable slopes, etc.
- **Potential Special Waste** – HDR is proposing to conduct a Preliminary Environmental Site Assessment (PESA). Based on known information about existing sites, HDR also proposes to complete an Environmental Site Assessment (ESA), in accordance with the American Society for Testing and Materials (ASTM) Practice E 1527-05. The scope of work includes the following:
  - Provide a description of the project area including current land uses.
  - Provide a general description of the topography, soils, geology, and groundwater flow direction.
  - Review reasonably ascertainable and reviewable regulatory information published by federal, state, local, tribal, health, and/or environmental agencies pertaining to the project area.
  - Review historical data sources for the project area, including aerial photographs, topographic maps, fire insurance maps, city directories, and other readily available development data.
  - Conduct an area reconnaissance and an environmental review—including a visual inspection of adjoining properties—with a focus on indications of hazardous substances, petroleum products, polychlorinated biphenyls (PCBs), wells, storage tanks, solid waste disposal pits and sumps, and utilities.
  - Prepare a written report of methods, findings, and conclusions.

- Investigative areas not included in the standard ASTM ESA scope include: asbestos, lead-based paint, lead in drinking water, radon, urea formaldehyde, wetland issues, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high voltage power lines. The scope of services for ESA projects also does not include the completion of soil borings for special waste investigation, the installation of groundwater monitoring wells, or the collection of soil or groundwater samples. These items would be considered additional services. The ASTM requirements fulfill the requirements as identified in IDOT's Special Waste Procedures.
- **Section 4(f) Evaluation** – HDR will identify Section 4(f) resources within the study area. If Section 4(f) land could be impacted, determine whether they have been funded through the Land and Water Conservation Fund or by OSLAD (Section 6(f)). Impacts to Section 4(f) resources will be avoided if possible. If avoidance is not possible, HDR will identify ways to minimize impacts and determine mitigation measures. HDR will assist Kane County in coordination with jurisdictional agencies, if necessary. A separate Section 4(f) report is not anticipated.
- **Socioeconomic** – HDR will summarize socioeconomic data from census, determine potential for environmental justice concerns, identify possible displacements, and identify public facilities and services in the project study area and assess impacts. This analysis will also include businesses in the study area.
- **Traffic Noise** – HDR will conduct a noise analysis within the project limits. The analysis will include:
  - Identifying critical land uses
  - Measuring existing noise levels
  - Predicting future No-Action noise levels for up to 20 receptors
  - Predicting future Action (Preferred Alternative) noise levels for up to 20 receptors
  - Identifying noise impacts for up to 20 receptors
  - Predicting future Action with noise mitigation noise levels for up to 20 receptors
  - Recommending mitigation measures
  - The future noise levels will be predicted using the FHWA approved TNM 2.5 model. A Traffic Noise Analysis memo will be completed that presents the analysis, results, and recommendations.
- Note that noise walls are not anticipated and therefore not included in the scope of work. (THIS TASK WILL BE A CONTINGENCY, ONLY TO BE INITIATED WITH APPROVAL FROM THE COUNTY.)

- **Water Resources** – A water quality evaluation to determine potential impacts will be performed.
- **Wetlands** – In order to expedite the schedule, existing wetlands will be delineated along the corridor by HDR for type, amount and quality. Wetland Impact Evaluation Forms will be completed and submitted to IDOT.

**11. Drainage Analysis and Design** – Conceptual drainage analysis will be completed for the alternatives being considered with enough detail to identify impacts and right-of-way needs. A detailed drainage analysis will be completed for the Preferred Alternative.

The drainage analysis will include two parts. First, a Location Drainage Study (LDS) will be done addressing the hydraulic conditions at IL 25 and at Hill Avenue. Second, a Drainage Memorandum will be prepared covering the remaining Montgomery Road corridor. Both documents will outline the existing and proposed drainage system, including proposed stormwater detention, and the LDS will focus on the IDOT right of way following policies set forth in the IDOT Drainage Manual. Additionally, the existing and proposed drainage system for the Kane County right of way will follow policies set forth by the County.

The existing drainage task includes the following items:

- preparing general location drainage maps
- identifying drainage problems
- reviewing identified base floodplains
- determining existing drainage features

The proposed drainage system task includes the following items:

- identifying design criteria
- outlet evaluation
- stormwater detention analysis
- drainage alternatives analysis
- right-of-way analysis
- local and other agency coordination (specific to drainage)
- proposed drainage plan development
- floodplain encroachment evaluation
- IDNR-OWR permit identification
- Location drainage study report
- Drainage technical memorandum

In order to accomplish the existing drainage evaluation, HDR will obtain and review high water reports for the site available either from the IDOT District One office and the District One maintenance/Operations Office, Kane County, other agencies, or adjacent property owners (assumes only information provided by IDOT and/or other agencies). HDR will also obtain available previous hydraulic reports or waterway information tables prepared for the culvert crossing on Montgomery Road approximately 120 ft east of Crown Drive.

As part of the analysis of the west end of the project, HDR will determine if a CLOMR/LOMR for the Zone A floodplain near the S-curve is required. If it is deemed necessary then it will be addressed as part of the Phase II design.

**12. Project Development Report** – It is assumed that the Montgomery Road study will be processed as a Categorical Exclusion. A Project Development Report (PDR) will be prepared to use as a decision document. Coordination with IDOT/FHWA will be conducted for concurrence with this approach. HDR will also assist Kane County in securing the Categorical Exclusion Approval (concurrence from FHWA and IDOT).

- **Draft/Final Project Development Report (PDR).** HDR will develop the draft and final PDR for the study. This task includes documenting the study limits to ensure they meet the three general principals of logical termini. In addition, the eligibility of project category (Type 1, Type 2, or Type 3) will be determined with input from IDOT. A scoping process will be conducted to ensure all needs are identified for this project prior to the evaluation of the alternatives. The report will follow the IDOT Bureau of Local Roads guidelines for PDRs.

**13. Agency Coordination** – Coordination will be a key to a successful completion of the Montgomery Road Study in a timely and efficient manner. This task focuses on coordination related to regulations and project processing.

- **Kane County Coordination** – Meetings will be held between HDR and Kane County to establish direction for progressive stages of work throughout the project. The HDR Team will keep the County informed of milestones, obstacles, and progress as the project develops. It is assumed that there will be bi-monthly meetings (nine total) between HDR and the Kane County Division of Transportation. Four of these meetings will be in-person and five of these meetings will be done by telephone. Two people from HDR will attend the meetings.
- **IDOT Coordination** – Although Kane County is leading this study, it is important to include IDOT in regular coordination and gain their support for the selected alternative. Periodic meetings will be held throughout the study with IDOT. These meetings will include presenting information to IDOT, as well as collecting information from them. This scope of work includes HDR's attendance at up to four IDOT meetings for general coordination.
- **Local Agencies/Groups** – Meetings will be arranged with selected local agencies or groups having jurisdiction or special interests in the project corridor. Organizations that may be involved in these meetings include Fox Valley Park District, Soil Conservation District, and Levy District.

**14. Stakeholder Involvement** – A continuous public/agency involvement program will be integrated throughout the Montgomery Road study. The program will provide forums for various stakeholders with different needs to express their concerns and be involved in the

process. With the potential jurisdictional transfer of Montgomery Road to the Village of Montgomery, the Village will have significant input into the ultimate scope of the improvements. HDR will facilitate the discussions between the Village and the County and hold focus meetings with the Village and identified stakeholders to review and develop solutions for various areas along the corridor that have specific issues to be addressed e.g., parking along the park, S-curve, Douglas Road intersection, and business access. The stakeholder involvement program will be based on the principles of Context Sensitive Solutions.

Given the HDR Team's established and positive working relationships with the Montgomery and Aurora communities and agencies, leveraging these relationships will be an underlying theme in the stakeholder involvement program. Facilitation in small, targeted group settings will enable an open dialogue among trusted study team members, and allow for concerns to be proactively identified and addressed before those concerns can become larger and potentially more public issues among the key stakeholders.

- **Local Coordination** – Coordination will be needed with the Village of Montgomery, City of Aurora, and local public stakeholders throughout the project. It is assumed that six meetings with Montgomery, two presentations to the Montgomery Village Board, two meetings with Aurora, and six meetings with individual local public stakeholders will be organized. HDR will develop handouts and presentation material for the meetings, as necessary. Two people from the HDR Team will attend the meetings.
- **Stakeholder Focus Groups Coordination** – Specific areas of interest will require separate coordination with small groups of stakeholders. HDR will organize up to eight Focus Group meetings concentrated on areas of concern such as parking along the park, S-curve, Douglas Road intersection, and business access. Some of the issues may require multiple meetings. HDR will develop handouts and presentation material for the meetings, as necessary. Two people from the HDR Team will attend the meetings.
- **Public Meeting #1: Scoping (exhibits, presentation)** – The first public meeting will be a scoping meeting. The purpose of the meeting is to let the public know that a study is underway and to solicit input on the need of the project and potential alternatives. The format of the meeting will be an open house. HDR will coordinate invitations and advertisement of the meeting. HDR will create up to 15 exhibits (24" by 36"), a PowerPoint Presentation, and handouts for the meeting. Up to three people from the HDR Team will attend the meeting.
- **Public Meeting #2: Alternatives Evaluation (exhibits, presentation)** – The second public meeting will focus on the alternatives evaluation process. The purpose of the meeting is to let the public know and understand the various alternatives that were evaluated and the results of the evaluation process. It is anticipated that the meeting would take place after the Comparative Screening Analysis; so the Preferred Alternative will be identified and introduced at this meeting. The public will have the opportunity to comment on the process and Preferred Alternative. The format of the meeting will be an open house.

HDR will coordinate invitations and advertisement of the meeting. HDR will create up to 20 exhibits (24" by 36"), a PowerPoint Presentation, and handouts for the meeting. Up to four people from the HDR Team will attend the meeting. (THIS TASK WILL BE A CONTINGENCY, ONLY TO BE INITIATED WITH APPROVAL FROM THE COUNTY.)

- **Public Hearing: Preferred Alternative (exhibits, presentation)** – The public hearing will provide the stakeholders with an opportunity to review the detailed geometry and right-of-way requirements for the Preferred Alternative. The format of the meeting will be an open house. HDR will coordinate invitations and advertisement of the meeting. HDR will create up to 15 exhibits (24" by 36"), a PowerPoint Presentation, and handouts for the meeting. Up to three people from the HDR Team will attend the meeting. A court reporter will also be provided.
- **Project Website** – HDR will develop content for Kane County to use on the County's website for the Montgomery Road study. Website content will be created throughout the Phase I process and will focus on project details to update the public on the progress of the study and collect input.
- **Mailing List** – A Project Mailing List will be developed. The mailing list will include property owners located adjacent to the Montgomery Road study area. In addition, local agency/municipality representatives and various stakeholders (Fire District, Police District, business owners, etc.) will be included. The mailing list will be updated as necessary. Other interested people will be added as necessary.

#### **15. QA/QC**

The HDR Team takes pride in their work and is committed to ensure that all deliverables meet the standards for quality. A project Quality Assurance / Quality Control Plan will be developed. This plan will outline the day-to-day activities, as well as milestone review activities.

- **Develop Project QA/QC Plan** – HDR is dedicated to providing quality services from the technical, scheduling, communications, and production cost control standpoints. To accomplish this, HDR will develop a Montgomery Road Phase I QA/QC Plan that is compatible with Kane County's procedures. As part of this plan, HDR will maintain a QA/QC project file containing documentation of the procedures followed for verifying the overall quality of key deliverables.
- **QA/QC Review** – Assumptions, calculations, memorandums, reports, and plans will be thoroughly reviewed for accuracy and consistency before submittal to Kane County.

#### **16. Project Management / Administration**

Successful project control starts with the professionalism of HDR's team and is integrated into the project from the very beginning. HDR starts this process with an underlying culture of client-focused service and continues with HDR's processes for project control, quality assurance/ quality controls, and schedule control.

- **Maintain Project Schedule** – The Montgomery Road study is on an 18 month schedule. To ensure the project meets this schedule, an overall schedule will be developed using Microsoft Project. This schedule will show the various connections between elements, as well as, the critical path. This schedule will be maintained throughout the duration of the project.
- **Monthly Invoicing** – HDR will verify progress reported by the team members and insure that the scope, budget, and schedule established for the project is maintained. Any technical conflicts or discrepancies will be addressed in a timely manner by HDR.  
  
HDR will prepare and submit monthly invoices/progress reports so that Kane County will be fully informed in regard to the status of the project, schedule, tasks completed, key issues, and areas of concern.
- **Internal Project Team Meetings** – The Montgomery Road study involves various technical expertise's, including traffic, environmental, design, etc. HDR will ensure that the HDR Team is united through strategic Project Team meetings. A total of 18 meetings are budgeted.

Montgomery Road (CH 29) Phase I Engineering Study - IL 25 to Hill Avenue			
Hours	Task		
191	1	Review of existing conditions/data collection	
	37	existing traffic volumes	
	60	crash data	
	12	Montgomery Road record plans	
	66	GIS mapping	
	16	geotechnical data	
	191	subtotal	
122	2	Surveying	
	0	topographic surveys	
	122	create base maps	
	122	subtotal	
12	3	Future travel demand	
128	4	Traffic operational analysis	
	80	operational analysis	
	48	traffic simulation	
	128	subtotal	
340	5	Alternatives analysis	
	12	evaluation criteria identification	
	180	brainstorm range of pot. alts. w/ conceptual des.	
	108	conduct comparative screening analysis	
	40	identify preferred alternative	
	340	subtotal	
743	6	Preliminary design of preferred alternative	
	240	plan & profile	
	300	cross sections	
	56	pedestrian/bicycle improvements	
	16	landscaping/aesthetic enhancements plan	
	66	maintenance of traffic	
	65	right-of-way acquisition calculations	
	743	subtotal	
800	7	Intersection Design Studies (preferred alternative)	
	120	IL 25	
	200	South Broadway Avenue	
	200	Douglas Road	
	160	5th Street	
	120	Hill Avenue	
	800	subtotal	
0	8	Right-of-way plats & legal	
100	9	Cost estimate	
740	10	Environmental Analyses	
	12	environmental survey request form	
	32	environmental field review/reconnaissance	
	10	environmental inventory map	
	16	air quality	
	12	agricultural	
	80	biological resources	
	20	cultural resources	
	24	floodplains	
	8	land use/zoning	
	8	geologic resources	
	140	potential special waste	
	84	section 4(f) evaluation	
	70	socioeconomic	
	140	traffic noise	
	16	water resources	
	68	wetlands	
	740	subtotal	
1076	11	Drainage analysis and design	
	109	prepare general local drainage maps	
	34	identify drainage problems	
	8	review identified base floodplains	
	38	determine drainage features	
	14	identify design criteria	
	20	outlet evaluation	
	240	stormwater detention analysis	
	182	drainage alternatives	
	36	ROW analysis	
	48	local and other agency coordination	
	113	proposed drainage plan	
	14	floodplain encroachment evaluation	
	4	IDNR-OWR permit	
	90	location drainage study report	
	126	drainage technical memorandum	
	1076	subtotal	
220	12	Project development report	
	220	draft/final project development report	
	220	subtotal	
183	13	Agency coordination	
	59	Kane County coordination	
	64	IDOT coordination	
	60	local agencies/groups	
	183	subtotal	
523	14	Stakeholder Involvement	
	167	local coordination	
	100	stakeholder focus groups coordination	
	52	public meeting #1: scoping	
	100	public meeting #2: alternatives evaluation	
	80	public hearing: preferred alternative	
	24	project website	
	0	mailing list	
	523	subtotal	
205	15	QA/QC	
	10	develop project QA/QC plan	
	195	QA/QC review	
	205	subtotal	
256	16	Project management/administration	
	14	maintain project schedule	
	57	monthly invoicing	
	185	internal project team meetings	
	256	subtotal	
5639	5639	totals	
			5178 subtotal w/o Task #15 & 16
	With Contingencies		205 4%
			256 5%



# PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME HDR Engineering, Inc.  
PRIME/SUPPLEMENT Prime

DATE 02/22/13  
PTB NO. \_\_\_\_\_

CONTRACT TERM 18 MONTHS  
START DATE 4/1/2013  
RAISE DATE 12/30/2013

OVERHEAD RATE 165.00%  
COMPLEXITY FACTOR 0  
% OF RAISE 3.00%

## ESCALATION PER YEAR

4/1/2013 - 12/30/2013  
9  
18

12/31/2013 - 9/29/2014  
9  
18

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= 50.00%  
= 1.0150

51.50%

The total escalation for this project would be:

1.50%

## PAYROLL RATES

FIRM NAME  
PRIME/SUPPLEMENT  
PSB NO.

HDR Engineering, Inc. DATE  
Prime

02/22/13

ESCALATION FACTOR 1.50%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principal	\$70.00	\$70.00
Project Manager IV	\$70.00	\$70.00
Senior Civil Engineer III	\$55.41	\$56.24
Senior Civil Engineer II	\$46.85	\$47.55
Civil Engineer III	\$36.35	\$36.90
Civil Engineer II	\$32.16	\$32.64
Civil Engineer I	\$27.13	\$27.54
Transportation Planner II	\$34.07	\$34.58
GIS Analyst	\$34.37	\$34.89
Clerical IV	\$35.34	\$35.87
		\$0.00
		\$0.00
		\$0.00
		\$0.00
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DF-824-039  
REV 12/04

04/03/13

Images, Inc.	\$ 94,641.55
Trotter and Associates, Inc.	\$ 125,556.07
Wang Engineering, Inc.	\$ 39,988.16

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# AVERAGE HOURLY PROJECT RATES

FIRM  
PSB  
PRIME/SUPPLEMENT

HDR Engineering, Inc.  
  
Prime

DATE 04/03/13

SHEET 1 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Review of Existing Conditions/Data Collection			Surveying			Future Travel Demand			Traffic Operational Analysis			Alternatives Analysis		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	70.00	124	2.20%	1.54	4	2.09%	1.47	0			0			0			10	2.94%	2.06
Project Manager IV	70.00	476	8.44%	5.91	20	10.47%	7.33	0			0			4	3.13%	2.19	24	7.06%	4.94
Senior Civil Engineer III	56.24	577	10.23%	5.75	30	15.71%	8.83	8	6.56%	3.69	6	50.00%	28.12	12	9.38%	5.27	66	19.41%	10.92
Senior Civil Engineer II	47.55	237	4.20%	2.00	0			32	26.23%	12.47	0			0			0		
Civil Engineer III	36.90	1700	30.15%	11.12	30	15.71%	5.80	50	40.98%	15.12	0			0			75	22.06%	8.14
Civil Engineer II	32.64	867	15.38%	5.02	52	27.23%	8.89	0			6	50.00%	16.32	24	18.75%	6.12	50	14.71%	4.80
Civil Engineer I	27.54	968	17.17%	4.73	47	24.61%	6.78	32	26.23%	7.22	0			88	68.75%	18.93	75	22.06%	6.07
Transportation Planner II	34.58	490	8.69%	3.00	8	4.19%	1.45	0			0			0			40	11.76%	4.07
GIS Analyst	34.89	130	2.31%	0.80	0			0			0			0			0		
Clerical IV	35.87	70	1.24%	0.45	0			0			0			0			0		
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TOTALS		5639	100%	\$40.32	191	100.00%	\$40.54	122	100%	\$38.50	12	100%	\$44.44	128	100%	\$32.51	340	100%	\$41.00

SHEET 2 OF 3

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**Prime**

**SHEET                    3            OF            3**

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# **Illinois Department of Transportation**

## **Direct Costs Check Sheet**

Firm Name: HDR Engineering, Inc.

PTB/Item No:

REQUIRED – DIRECT COSTS WILL ONLY BE ACCEPTED FOR INCLUSION IN CONTRACT WHEN DOCUMENTED ON THIS FORM.

(Indicate only rate and quantities for this specific project.)

Item	Allowable	Contract (t) Rate	Quantity (n/a for work orders)	Total
*Per Diem	Up to State Rate Maximum	\$10.00	40.00	\$400.00
*Lodging (Overnight)	Up to State Rate Maximum			\$0.00
*Lodging (Extended)	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Air Fare Coach Rate (with two weeks' notice)	As Approved			\$0.00
*Vehicles:		\$0.57	8,960.00	
Mileage	Up to State Rate Maximum			\$5,062.40
Daily Rate (owned or leased)	\$45/day			\$0.00
Overtime	(Premium Portion)			\$0.00
Tolls	Actual Cost	\$1.50	224.00	\$336.00
Digital Photo Processing	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
**Cell Phones – (traffic systems, survey, phase III only)	\$70/month/phone (maximum) – Phase III (max. of three without IDOT approval)			\$0.00
Telephone Usage (traffic system monitoring)	Actual Cost			\$0.00
2-Way Radio (survey or phase III only)	Actual Cost			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost	\$30.00	18.00	\$540.00
Copies of Deliverables/Mytars (in-house)	Actual Cost			\$0.00
Copies of Deliverables/Mytars (outside)	Actual Cost			\$0.00
Specific Insurance (required for project)	Actual Cost			\$0.00
CADD	Actual Cost (max. \$15.00/hour)			\$0.00
Monuments (permanent)	Actual Cost			\$0.00
Advertisements	Actual Cost			\$0.00
Web Site	Actual Cost			\$0.00
Facility Rental for Public Meetings & Exhibits/Renderings & AV	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Recording Fees	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
***Lab Services	Actual Cost			\$0.00
Storm Sewer Cleaning and Teletesting	Actual Cost (requires 2-3 quotes)			\$0.00
Traffic Control and Protection	Actual Cost (requires 2-3 quotes)			\$0.00
Aerial Photography and Mapping	Actual Cost (requires 2-3 quotes)			\$0.00
Utility Exploratory Trenching	Actual Cost (requires 2-3 quotes)			\$0.00
Shift Differential	Actual Cost (based on firm's policy)			\$0.00
PROJECT Site Travel	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Equipment Rental and/or Specific Equipment on a as needed basis when requested by IDOT	Actual Cost (requires 2-3 quotes)			\$0.00
	Actual Cost (requires 2-3 quotes)			\$0.00
	Include 2-3 vendor quotes and explanation for necessity			\$0.00
Black and White Prints (8.5 x 11)	Actual Costs	\$0.05	15,250.00	\$688.25
Black and White Prints (11 x 17)	Actual Costs	\$0.09	3,660.00	\$329.40
Color Prints (8.5 x 11)	Actual Costs	\$0.15	1,640.00	\$246.00
Color Prints (11 x 17)	Actual Costs	\$0.30	1,850.00	\$555.00
Plots	Actual Costs	\$0.88	1,405.00	\$1,232.89
MioVision	Traffic Data Collection	\$2,100.00	1.00	\$2,100.00
<b>TOTAL</b>				<b>\$11,487.94</b>

1) Used to determine upper limit of compensation for direct cost. Unless maximum is specified under allowable, bill at actual cost.

\*per GOVERNOR'S TRAVEL CONTROL BOARD

\*\*Employee personal cell phones are not allowable expenses if not left on job site

\*\*\*Lab services-provide breakdown of cost for each lab service

# PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME Images, Inc.  
PRIME/SUPPLEMENT Prime

DATE 01/30/13  
PTB NO. \_\_\_\_\_

CONTRACT TERM 18 MONTHS  
START DATE 4/1/2013  
RAISE DATE 11/1/2013

OVERHEAD RATE 123.00%  
COMPLEXITY FACTOR 0  
% OF RAISE 3.00%

## ESCALATION PER YEAR

4/1/2013 - 11/1/2013

11/2/2013 - 10/1/2014

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7  
18

11  
18

\_\_\_\_\_

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= 38.89%  
= 1.0183

62.94%

1.83%

The total escalation for this project would be:



DF-824-039  
REV 12/04

## PAYROLL RATES

FIRM NAME  
PRIME/SUPPLEMENT  
PSB NO.

Images, Inc. DATE  
Prime

01/30/13

**ESCALATION FACTOR** **1.83%**

[illegible]

DF-824-039  
REV 12/04

01/30/13

**DBE 100.00%**

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# AVERAGE HOURLY PROJECT RATES

FIRM Images, Inc.  
PSB  
PRIME/SUPPLEMENT Prime

DATE 01/30/13

SHEET 1 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Review of Existing Conditions/Data Collection			Surveying			Future Travel Demand			Traffic Operational Analysis			Alternatives Analysis		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	66.19	20	2.67%	1.77	0			0			0			0			0		
Project Administrator	42.77	20	2.67%	1.14	0			0			0			0			0		
Planner I	42.60	210	28.07%	11.96	0			0			0			0			0		
Planner II	53.46	214	28.61%	15.30	0			0			0			0			0		
Project Coordinator II	24.48	114	15.24%	3.73	0			0			0			0			0		
Senior Graphic Designer	49.57	170	22.73%	11.27	0			0			0			0			0		
		0																	
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TOTALS		748	100%	\$45.17	0	0.00%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

PREPARED BY THE AGREEMENTS UNIT

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DATE 01/30/13

SHEET 1 OF 1

[illegible]



# **Illinois Department of Transportation**

## **Direct Costs Check Sheet**

Firm Name: Images, Inc.

PTB/Item No: \_\_\_\_\_

**REQUIRED – DIRECT COSTS WILL ONLY BE ACCEPTED FOR INCLUSION IN CONTRACT WHEN DOCUMENTED ON THIS FORM.**  
(Indicate only rate and quantities for this specific project.)

Item	Allowable	Contract (1) Rate	Quantity (n/a for work orders)	Total
*Per Diem	Up to State Rate Maximum			\$0.00
*Lodging (Overnight)	Up to State Rate Maximum			\$0.00
*Lodging (Extended)	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Air Fare Coach Rate (with two weeks' notice)	As Approved			\$0.00
*Vehicles:		\$0.55	800.00	
Mileage	Up to State Rate Maximum			\$440.00
Daily Rate (owned or leased)	\$45/day			\$0.00
Overtime	(Premium Portion)			\$0.00
Tolls	Actual Cost			\$0.00
Digital Photo Processing	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
**Cell Phones – (traffic systems, survey, phase III only)	\$70/month/phone (maximum) – Phase III (max. of three without IDOT approval)			\$0.00
Telephone Usage (traffic system monitoring)	Actual Cost			\$0.00
2-Way Radio (survey or phase III only)	Actual Cost			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost	\$35.00	4.00	\$140.00
Copies of Deliverables/MyIars (in-house)	Actual Cost	\$0.50	400.00	\$200.00
Copies of Deliverables/MyIars (outside)	Actual Cost			\$0.00
Specific Insurance (required for project)	Actual Cost			\$0.00
CADD	Actual Cost (max. \$15.00/hour)			\$0.00
Monuments (permanent)	Actual Cost			\$0.00
Advertisements	Actual Cost	\$500.00	6.00	\$3,000.00
Web Site	Actual Cost			\$0.00
Facility Rental for Public Meetings & Exhibits/Renderings & AV	Actual Cost	\$300.00	3.00	\$900.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Recording Fees	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
***Lab Services	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (requires 2-3 quotes)			\$0.00
Traffic Control and Protection	Actual Cost (requires 2-3 quotes)			\$0.00
Aerial Photography and Mapping	Actual Cost (requires 2-3 quotes)			\$0.00
Utility Exploratory Trenching	Actual Cost (requires 2-3 quotes)			\$0.00
Shift Differential	Actual Cost (based on firm's policy)			\$0.00
PROJECT Site Travel	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Equipment Rental and/or Specific Equipment on a as needed basis when requested by IDOT	Actual Cost (requires 2-3 quotes)			\$0.00
	Actual Cost (requires 2-3 quotes)			\$0.00
	Include 2-3 vendor quotes and explanation for necessity.			\$0.00
Court Reporter (1)	Actual Costs	\$400.00	1.00	\$400.00
Public meeting/hearing factsheets	Actual Costs	\$2.00	750.00	\$1,500.00
Public meeting/hearing invitation postcards (print and mail)	Actual Costs	\$2.00	500.00	\$1,000.00
Stakeholder focus group meeting locations and AV		\$100.00	8.00	\$800.00
<b>TOTAL</b>				<b>\$8,380.00</b>

1) Used to determine upper limit of compensation for direct cost. Unless maximum is specified under allowable, bill at actual cost.

\*per GOVERNOR'S TRAVEL CONTROL BOARD

\*\*Employee personal cell phones are not allowable expenses if not left on job site

\*\*\*Lab services-provide breakdown of cost for each lab service

# PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME  
PRIME/SUPPLEMENT

Trotter and Associates, Inc.  
Prime

DATE 02/22/13  
PTB NO. \_\_\_\_\_

CONTRACT TERM 18 MONTHS  
START DATE 4/1/2013  
RAISE DATE 12/30/2013

OVERHEAD RATE 167.00%  
COMPLEXITY FACTOR 0  
% OF RAISE 3.00%

## ESCALATION PER YEAR

4/1/2013 - 12/30/2013

12/31/2013 - 9/29/2014

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

9  
18

9  
18

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

= 50.00%  
= 1.0150

51.50%

The total escalation for this project would be:

1.50%

## PAYROLL RATES

FIRM NAME  
PRIME/SUPPLEMENT  
PSB NO.

Trotter and Associates, DATE  
Prime

02/22/13

ESCALATION FACTOR 1.50%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principal	\$66.00	\$66.99
Professional Land Surveyor	\$45.00	\$45.68
Survey Crew Chief	\$32.00	\$32.48
Engineer I	\$26.00	\$26.39
Technician Level IV	\$33.00	\$33.50
Survey Technician Level II	\$20.00	\$20.30
Clerical Level II	\$22.00	\$22.33
		\$0.00
		\$0.00
		\$0.00
		\$0.00
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DF-824-039  
REV 12/04  
02/22/13

DATE \_\_\_\_\_

**DBE 0.00%**

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# AVERAGE HOURLY PROJECT RATES

FIRM  
PSB  
PRIME/SUPPLEMENT

Trotter and Associates, Inc.

Prime

DATE 02/22/13

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Review of Existing Conditions/Data Collection			Surveying			Future Travel Demand			Traffic Operational Analysis			Alternatives Analysis		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	66.99	8	0.64%	0.43				8	0.65%	0.44									
Professional Land Surveyor	45.68	60	4.82%	2.20				40	3.27%	1.49									
Survey Crew Chief	32.48	544	43.73%	14.20				544	44.44%	14.44									
Engineer I	26.39	200	16.08%	4.24				200	16.34%	4.31									
Technician Level IV	33.50	376	30.23%	10.12				376	30.72%	10.29									
Survey Technician Level II	20.30	40	3.22%	0.65				40	3.27%	0.66									
Clerical Level II	22.33	16	1.29%	0.29				16	1.31%	0.29									
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TOTALS		1244	100%	\$32.14	0	0.00%	\$0.00	1224	100%	\$31.92	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

PREPARED BY THE AGREEMENTS UNIT

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**Prime**

SHEET 2 OF 2

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# Illinois Department of Transportation

## Direct Costs Check Sheet

Firm Name: Trotter and Associates, Inc.

PTB/Item No: \_\_\_\_\_

REQUIRED – DIRECT COSTS WILL ONLY BE ACCEPTED FOR INCLUSION IN CONTRACT WHEN DOCUMENTED ON THIS FORM.  
(Indicate only rate and quantities for this specific project.)

Item	Allowable	Contract (1) Rate	Quantity (n/a for work orders)	Total
*Per Diem	Up to State Rate Maximum			\$0.00
*Lodging (Overnight)	Up to State Rate Maximum			\$0.00
*Lodging (Extended)	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Air Fare Coach Rate (with two weeks' notice)	As Approved			\$0.00
*Vehicles:				
Mileage	Up to State Rate Maximum			\$0.00
Daily Rate (owned or leased)	\$45/day	\$45.00	68.00	\$3,060.00
Overtime	(Premium Portion)			\$0.00
Tolls	Actual Cost			\$0.00
Digital Photo Processing	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
**Cell Phones – (traffic systems, survey, phase III only)	\$70/month/phone (maximum) – Phase III (max. of three without IDOT approval)			\$0.00
Telephone Usage (traffic system monitoring)	Actual Cost			\$0.00
2-Way Radio (survey or phase III only)	Actual Cost			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost			\$0.00
Copies of Deliverables/Mylars (in-house)	Actual Cost			\$0.00
Copies of Deliverables/Mylars (outside)	Actual Cost			\$0.00
Specific Insurance (required for project)	Actual Cost			\$0.00
CADD	Actual Cost (max. \$15.00/hour)			\$0.00
Monuments (permanent)	Actual Cost			\$0.00
Advertisements	Actual Cost			\$0.00
Web Site	Actual Cost			\$0.00
Facility Rental for Public Meetings & Exhibits/Renderings & AV	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Recording Fees	Actual Cost			\$0.00
Courthouse Fees	Actual Cost	\$10.00	25.00	\$250.00
Testing of Soil Samples	Actual Cost			\$0.00
***Lab Services	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (requires 2-3 quotes)			\$0.00
Traffic Control and Protection	Actual Cost (requires 2-3 quotes)			\$0.00
Aerial Photography and Mapping	Actual Cost (requires 2-3 quotes)			\$0.00
Utility Exploratory Trenching	Actual Cost (requires 2-3 quotes)			\$0.00
Shift Differential	Actual Cost (based on firm's policy)			\$0.00
PROJECT Site Travel	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Equipment Rental and/or Specific Equipment on as needed basis when requested by IDOT	Actual Cost (requires 2-3 quotes)			\$0.00
	Actual Cost (requires 2-3 quotes)			\$0.00
	Include 2-3 vendor quotes and explanation for necessity.			\$0.00
<b>TOTAL</b>				<b>\$3,310.00</b>

1) Used to determine upper limit of compensation for direct cost. Unless maximum is specified under allowable, bill at actual cost.

\*per GOVERNOR'S TRAVEL CONTROL BOARD

\*\*Employee personal cell phones are not allowable expenses if not left on job site

\*\*\*Lab services-provide breakdown of cost for each lab service

# PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME Wang Engineering, Inc.  
PRIME/SUPPLEMENT Prime

DATE 02/21/13  
PTB NO. Montgomery Road

CONTRACT TERM 6 MONTHS  
START DATE 1/15/2013  
RAISE DATE 1/1/2014

OVERHEAD RATE 151.85%  
COMPLEXITY FACTOR  
% OF RAISE 3.00%

## ESCALATION PER YEAR

1/15/2013 - 7/14/2013





6  
6

= 100.00%  
= 1.0000

The total escalation for this project would be:

0.00%

## PAYROLL RATES

FIRM NAME  
PRIME/SUPPLEMENT  
PSB NO.

Wang Engineering, Inc. DATE  
Prime  
Montgomery Road

02/21/13

ESCALATION FACTOR 0.00%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principal in Charge	\$65.07	\$65.07
Project Manager	\$52.86	\$52.86
Senior Engineer	\$52.86	\$52.86
Project Engineer	\$32.08	\$32.08
Staff Engineer	\$32.08	\$32.08
Field Engineer	\$32.08	\$32.08
Senior Field Inspector	\$31.45	\$31.45
Field Inspector	\$24.00	\$24.00
Laboratory Technician	\$19.35	\$19.35
Project Adm. Assistant	\$27.05	\$27.05
QC/QA Reviewer	\$24.76	\$24.76
		\$0.00
		\$0.00
		\$0.00
		\$0.00
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		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00

DF-824-039  
REV 12/04  
02/21/13

DATE

DBE 100.00%

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SHEET 1 OF 3

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**Wang Engineering, Inc.**  
**Montgomery Road**  
**Prime**

SHEET 2 OF 3

PAYROLL  CLASSIFICATION	AVG HOURLY RATES	RGR Report			Project Management														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal in Charge	65.07				1	33.33%	21.69												
Project Manager	52.86				2	66.67%	35.24												
Senior Engineer	52.86	4	11.76%	6.22															
Project Engineer	32.08	10	29.41%	9.44															
Staff Engineer	32.08	18	52.94%	16.98															
Field Engineer	32.08																		
Senior Field Inspector	31.45																		
Field Inspector	24.00																		
Laboratory Technician	19.35																		
Project Adm. Assistant	27.05	1	2.94%	0.80															
QC/QA Reviewer	24.76	1	2.94%	0.73															
TOTALS		34	100%	\$34.16	3	100%	\$56.93	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

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GEOTECHNICAL SERVICES  
UNIT PRICES  
2012



Date: 02/21/2013  
Wang No.: P130110 R1

Project: Montgomery Road Improvements

Task Description	Units	Unit Price	Extended Cost
<b>DRILLING, SAMPLING &amp; INSITU TESTING</b>			
Drilling Coordination	4.0 Hours	\$90.00 /Hour	\$360.00
Utilities Clearance, Site Access, Permitting	4.0 Hours	\$90.00 /Hour	\$360.00
Mobilization (Truck-mounted Drill Rig)	1 No.	\$700.00 /Each	\$700.00
Drilling Crew Daily Travel & Support Vehicle	3 Days	\$145.00 /Day	\$435.00
Stand-by Hourly Rate - Truck-mounted Drill Rig (Two-Man Crew & Equipment)		\$300.00 /Hour	
Mobilization (ATV-mounted Drill Rig)		\$1,150.00 /Each	
ATV-mounted Drill Rig Daily Charge		\$275.00 /Day	
Drilling Crew Daily Travel & Support Vehicle		\$145.00 /Day	
Stand-by Hourly Rate - ATV-Mounted Drill Rig (Two-Man Crew & Equipment)		\$300.00 /Hour	
Portable Water Tank		\$145.00 /Day	
Lighting for Night Field Activities		\$130.00 /Night	
<b>Drilling and Sampling</b>			
<b>Roadway Borings</b>			
<i>Drilling including continuous split spoon sampling to 10 feet (SPT, Penetrometer, Visual Classification Included)</i>			
<b>19 Borings to 10 feet bgs</b>			
Continuous Sampling			
Normal Hours		\$28.50 /Foot	
Restricted Hours (6 Hours)	190.0 Feet	\$31.50 /Foot	\$5,985.00
<b>Shelby Tube Borings</b>			
<i>Blind drilling and Shelby tube sampling at selected depths</i>			
Drill without sampling			
Normal Working Hours		\$18.50 /Foot	
Restricted Hours (6 Hours)		\$23.50 /Foot	
Night Work		\$19.50 /Foot	
Shelby Tube Samples			
Normal Working Hours		\$55.00 /Sample	
Restricted Hours (6 Hours)		\$64.00 /Sample	
Night Work		\$60.00 /Sample	
<b>Pavement/ Deck Coring &amp; Testing</b>			
<i>For 2-inch, 4-inch, and 6-inch diameter cores</i>			
<b>16 Pavement Cores</b>			
Pavement/Deck Coring (Two-Man Crew and Equipment)			
Normal Working Hours		\$250.00 /Hour	
Restricted Hours (6 Hours)	16.0 Hours	\$300.00 /Hour	\$4,800.00
<b>Hand Augering (Two-Man Crew and Equipment)</b>			
<i>Hand augering and soil sampling to 10 feet</i>			
Hand Augering			
Normal Working Hours	0.0 Hours	\$250.00 /Hour	\$0.00
Restricted Hours (6 Hours)		\$300.00 /Hour	
<b>Borehole Abandonment and Surface Restoration</b>			
Backfilling Borehole			
Normal Working Hours		\$8.00 /Foot	
Restricted Hours (6 Hours)	190.0 Feet	\$9.00 /Foot	\$1,710.00
Pavement/Deck Patching			
Asphalt	35 Patches	\$15.00 /Each	\$525.00
Concrete		\$15.00 /Each	
Patching of Full Deck Coring		\$300.00 /Each	
Soil Cutting Removal		\$300.00 /Hour	
<b>Surveying of Boring Locations</b>			
Mapping-grade Trimble 6000 Series GPS	8.0 Hours	\$200.00 /Hour	\$1,600.00
			<b>\$ 16,475.00</b>

1145 N Main Street  
Lombard, IL 60148  
630 953-9928



GEOTECHNICAL SERVICES  
UNIT PRICES  
2012



Date: 02/21/2013  
Wang No.: P130110 R1

Project: Montgomery Road Improvements

Task Description			Units	Unit Price	Extended Cost
LABORATORY TESTING					
<u>Soil Index Tests</u>					
T265	D2216	Water Content	95 Tests	\$6.60 /Test	\$627.00
T267	D2974	Organic Content by LOI		\$52.00 /Test	
T194	--	Organic Content by Wet Combustion	2 Tests	\$115.00 /Test	\$230.00
<u>Particle Size Distribution</u>					
T88	D422	Sieve Analysis		\$67.00 /Test	
T88	D422	Hydrometer Analysis		\$72.00 /Test	
T88	D422	Combined Sieve and Hydrometer	6 Tests	\$108.00 /Test	\$648.00
--	D1140	Percent Finer than No. 200 Sieve		\$45.00 /Test	
<u>Atterberg Limits</u>					
T89, T90	D4318	Liquid and Plastic Limits	6 Tests	\$67.00 /Test	\$402.00
T92	D427	Shrinkage Factors		\$80.00 /Test	
				\$	1,907.00

**TRAFFIC CONTROL**

Traffic Control

Shoulder Closure (1/2 mile)				
Daytime			\$800.00 /Each	
Night time			\$900.00 /Each	
Lane Closure (1 lane) (1/2 mile)				
Daytime			\$1,300.00 /Each	
Night time			\$1,400.00 /Each	
Lane Closure (2 lane)				
Daytime			\$1,350.00 /Each	
Night time			\$1,500.00 /Each	
Each additional 1/2 mile of closure			\$115.00 /Each	
Roadway Flagmen				
2-man crew; Daytime only		4.0 Days	\$1,700.00 /Day	\$6,800.00
				<b>\$ 6,800.00</b>

**FIELD VEHICLES & MILEAGE**

<u>Field Vehicle</u>				
Field Vehicle Daily (<100 Miles per Day)		7 Days	\$45.00 /Day	\$315.00
				<b>\$ 315.00</b>

**REPORT REPRODUCTION**

<u>Report Reproduction</u>				
Copies, Black & White, 8.5" X 11"		200 No	\$0.20 /Each	\$40.00
Copies, Color, 8.5" X 11"		8 No	\$2.50 /Each	\$20.00
Copies, Reproduction or Reduction, 24" X 36"			\$10.00 /Each	
				<b>\$ 60.00</b>

**SUMMARY**

DRILLING, SAMPLING & INSITU TESTING	\$16,475.00
LABORATORY TESTING	\$1,907.00
TRAFFIC CONTROL	\$6,800.00
FIELD VEHICLES & MILEAGE	\$315.00
REPORT REPRODUCTION	\$60.00
	<b>\$ 25,557.00</b>



## Direct Costs Check Sheet

Firm Name: Wang Engineering, Inc.

PTB/Item No: Montgomery Road

REQUIRED – DIRECT COSTS WILL ONLY BE ACCEPTED FOR INCLUSION IN CONTRACT WHEN DOCUMENTED ON THIS FORM.

(Indicate only rate and quantities for this specific project.)

Item	Allowable	Contract (1) Rate	Quantity (n/a for work orders)	Total
*Per Diem	Up to State Rate Maximum			\$0.00
*Lodging (Overnight)	Up to State Rate Maximum			\$0.00
*Lodging (Extended)	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Air Fare Coach Rate (with two weeks' notice)	As Approved			\$0.00
*Vehicles:				
Mileage	Up to State Rate Maximum			\$0.00
Daily Rate (owned or leased)	\$45/day	\$45.00	7.00	\$315.00
Overtime	(Premium Portion)			\$0.00
Tolls	Actual Cost			\$0.00
Digital Photo Processing	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
**Cell Phones – (traffic systems, survey, phase III only)	\$70/month/phone (maximum) – Phase III (max. of three without IDOT approval)			\$0.00
Telephone Usage (traffic system monitoring)	Actual Cost			\$0.00
2-Way Radio (survey or phase III only)	Actual Cost			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost			\$0.00
Copies of Deliverables/MyIars (in-house)	Actual Cost	\$60.00	1.00	\$60.00
Copies of Deliverables/MyIars (outside)	Actual Cost			\$0.00
Specific Insurance (required for project)	Actual Cost			\$0.00
CADD	Actual Cost (max. \$15.00/hour)			\$0.00
Monuments (permanent)	Actual Cost			\$0.00
Advertisements	Actual Cost			\$0.00
Web Site	Actual Cost			\$0.00
Facility Rental for Public Meetings & Exhibits/Renderings & AV	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Recording Fees	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Testing of Soil Samples	Actual Cost	\$16,475.00	1.00	\$16,475.00
***Lab Services	Actual Cost	\$1,907.00	1.00	\$1,907.00
Storm Sewer Cleaning and Televising	Actual Cost (requires 2-3 quotes)			\$0.00
Traffic Control and Protection	Actual Cost (requires 2-3 quotes)	\$6,800.00	1.00	\$6,800.00
Aerial Photography and Mapping	Actual Cost (requires 2-3 quotes)			\$0.00
Utility Exploratory Trenching	Actual Cost (requires 2-3 quotes)			\$0.00
Shift Differential	Actual Cost (based on firm's policy)			\$0.00
PROJECT Site Travel	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Equipment Rental and/or Specific Equipment on a as needed basis when requested by IDOT	Actual Cost (requires 2-3 quotes)			\$0.00
	Actual Cost (requires 2-3 quotes)			\$0.00
	Include 2-3 vendor quotes and explanation for necessity.			\$0.00
<b>TOTAL</b>				<b>\$25,557.00</b>

1) Used to determine upper limit of compensation for direct cost. Unless maximum is specified under allowable, bill at actual cost.

\*per GOVERNOR'S TRAVEL CONTROL BOARD

\*\*Employee personal cell phones are not allowable expenses if not left on job site

\*\*\*Lab services-provide breakdown of cost for each lab service

## EXHIBIT "C"

### PREVAILING WAGE RATES

It is the policy of the State of Illinois as declared in the Illinois Prevailing Wage Act (820 ILCS 130/1 *et seq.*) "that a wage of no less than the general prevailing hourly rate as paid for work of a similar character in the locality in which the work is performed, shall be paid to all laborers, workers and mechanics employed by or on behalf of any and all public bodies engaged in public works".

The CONSULTANT agrees to pay, when applicable, the current Illinois Department of Labor Prevailing Wage Rates for all County of Kane projects. Current prevailing wage rates are available from the Illinois Department of Labor at their website: <http://www.state.il.us/agency/idol/rates/rates.HTM>.

Prevailing wage rates are subject to revision monthly. The CONSULTANT acknowledges its responsibility, for payment of any applicable future adjustment thereof.

The CONSULTANT further acknowledges its responsibility to notify any sub-consultant of the applicability of the Prevailing Wage Act.

When applicable, the CONSULTANT agrees to provide the Kane County Division of Transportation "certified payrolls" as required by the Prevailing Wage Act.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Signature of Officer of Company

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

**EXHIBIT "D"**

**CONTRACTOR DISCLOSURE ACKNOWLEDGEMENT  
KANE COUNTY CODE, ARTICLE III, DIVISION 3, SECTION 2-211**

1. Prior to award, every contractor or vendor who is seeking or who has obtained contracts or change orders to contracts or two (2) or more individual contracts with Kane County resulting in an amount greater than Fifteen Thousand Dollars (\$15,000) shall disclose to the Kane County Purchasing Department, in writing all cumulative campaign contributions, (which includes multiple candidates) made within the previous twelve (12) months of awarding of the contract made by that contractor, union, or vendor to any current officer or countywide elected officer whose office the contract to be awarded will benefit. Disclosure shall be updated annually during the term of a multi-year contract and prior to any change order or renewal requiring Board level approval. For purposes of this disclosure requirement, "contractor or vendor" shall include owners, officers, managers, insurance brokers, lobbyists, agents, consultants, bond counsel and underwriters counsel, subcontractors, corporations, partnerships, associations, business trusts, estates, trustees, and/or beneficiaries under the control of the contracting person, and political action committees to which the contracting person has made contributions.
2. All contractors and vendors who have obtained or are seeking contracts with Kane County must disclose the following information which shall be certified and attached to the application or document. Penalties for knowingly violating disclosure requirements will potentially result in immediate cancellation of the contract, and possible disbarment from future County contracts:
  - A. Name, address and percentage of ownership interest of each individual or entity having a legal or a beneficial interest of more than five percent (5%) in the applicant. Any entity required by law to file a statement providing substantially the information required by this paragraph with any other government agency may file a duplicate of such statement;
  - B. Names and contact information of their lobbyists, agents and representatives and all individuals who are or will be having contact with County employees or officials in relation to the contract or bid. This information disclosure must be updated when any changes to the information occurs.
  - C. Whenever any interest required to be disclosed in paragraph (a) above is held by an agent or agents, or a nominee or nominees, the principals for whom such agents or nominees hold such interest shall also be disclosed. The application of a spouse or any other party, if constructively controlled by another person, or legal entity as set forth above, shall state the name and address and percentage of beneficial interest of such person or entity possessing such constructive control and the relationship under which such control is being or may be exercised. Whenever a stock or beneficial interest is held by a corporation or other legal entity, such shareholder or beneficiary shall also make disclosure as required by paragraph (a) above.

- D. A statement under oath that the applicant has withheld no disclosures as to economic interests in the undertaking nor reserved any information, data or plan as to the intended use or purpose for which it seeks County Board or other county agency action.
3. All disclosures and information shall be current as of the date upon which the application is presented and shall be maintained current until such time as Kane County shall take action on the application. Furthermore, this information shall be maintained in a database by the Purchasing Department, and made available for public viewing.
  4. Notwithstanding any of the above provisions, the County Purchasing Department with respect to contracts awarded may require any such additional information from any applicant which is reasonably intended to achieve full disclosure relevant to the application for action by the County Board or any other County agency.
  5. Any failure to comply with the provisions of this section shall render any ordinance, ordinance amendment, County Board approval or other County action in behalf of the applicant failing to comply voidable at the option of the County Board or other County agency involved upon the recommendation of the County Board Chairman or the majority of the County Board.
  6. Contractor Disclosure information shall be sent to the Kane County Purchasing Department and the Kane County Division of Transportation at the following address, or via email, prior to Transportation Committee of the Kane County Board:

Kane County Government Center  
Purchasing Department, Bldg A  
719 S. Batavia Ave. Geneva, IL 60134  
purchasing@countyofkane.org

Kane County Division of Transportation  
Linda Haines  
41W011 Burlington Road  
St. Charles, IL 60175  
haineslinda@countyofkane.org

Company Name:	HDR ENGINEERING, INC.
Contact Person:	Patrick J. Pechnick
Address:	8550 West Bryn Mawr Avenue, Suite 900
City:	Chicago
State:	Illinois
Zip Code:	60631
Phone:	773-380-7900