

 <b>Illinois Department of Transportation</b> <b>Local Agency Agreement for Federal Participation</b>	Local Agency Orland Park	State Contract	Day Labor	Local Contract	RR Force Account
	Section 15-00074-00-CH	Fund Type STU	ITEP and/or SRTS Number		
Construction		Engineering		Right-of-Way	
Job Number	Project Number	Job Number	Project Number	Job Number	Project Number
		91-196-15	M-4003 (475)		

This Agreement is made and entered into between the above local agency hereinafter referred to as the "LA" and the state of Illinois, acting by and through its Department of Transportation, hereinafter referred to as "STATE". The STATE and LA jointly propose to improve the designated location as described below. The improvement shall be constructed in accordance with plans prepared by, or on behalf of the LA, approved by the STATE and the STATE's policies and procedures approved and/or required by the Federal Highway Administration hereinafter referred to as "FHWA".

**Location**

Local Name 151<sup>st</sup> Street at West Avenue Route \_\_\_\_\_ Length \_\_\_\_\_  
 Termini Intersection Improvement at 151<sup>st</sup> Street at West Avenue

Current Jurisdiction Village TIP Number 06-15-0011 Existing Structure No \_\_\_\_\_

**Project Description**

Phase I Engineering for a roundabout at 151<sup>st</sup> Street and West Avenue

**Division of Cost**

Type of Work	%	%	LA	%	Total
Participating Construction	( )	( )		( )	
Non-Participating Construction	( )	( )		( )	
Preliminary Engineering	80,000 ( 80 )	( )	20,000	( 20 )	100,000
Construction Engineering	( )	( )		( )	
Right of Way	( )	( )		( )	
Railroads	( )	( )		( )	
Utilities	( )	( )		( )	
Materials					
TOTAL	\$ 80,000	\$ _____	\$ 20,000	\$ _____	\$ 100,000

**NOTE:** The costs shown in the Division of Cost table are approximate and subject to change. The final LA share is dependent on the final Federal and State participation. The actual costs will be used in the final division of cost for billing and reimbursement.

If funding is not a percentage of the total, place an asterisk in the space provided for the percentage and explain above.

**Local Agency Appropriation**

By execution of this Agreement, the LA attests that sufficient moneys have been appropriated or reserved by resolution or ordinance to fund the LA share of project costs. A copy of the resolution or ordinance is attached as an addendum.

**Method of Financing (State Contract Work)**

METHOD A---Lump Sum (80% of LA Obligation) \_\_\_\_\_  
 METHOD B--- \_\_\_\_\_ Monthly Payments of \_\_\_\_\_ due by the \_\_\_\_\_ of each successive month.  
 METHOD C---LA's Share \_\_\_\_\_ divided by estimated total cost multiplied by actual progress payment.

(See page two for details of the above methods and the financing of Day Labor and Local Contracts)

## Agreement Provisions

### THE LA AGREES:

- (1) To acquire in its name, or in the name of the state if on the state highway system, all right-of-way necessary for this project in accordance with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, and established state policies and procedures. Prior to advertising for bids, the **LA** shall certify to the **STATE** that all requirements of Titles II and III of said Uniform Act have been satisfied. The disposition of encroachments, if any, will be cooperatively determined by representatives of the **LA**, and **STATE** and the **FHWA**, if required.
- (2) To provide for all utility adjustments, and to regulate the use of the right-of-way of this improvement by utilities, public and private, in accordance with the current Utility Accommodation Policy for Local Agency Highway and Street Systems.
- (3) To provide for surveys and the preparation of plans for the proposed improvement and engineering supervision during construction of the proposed improvement.
- (4) To retain jurisdiction of the completed improvement unless specified otherwise by addendum (addendum should be accompanied by a location map). If the improvement location is currently under road district jurisdiction, an addendum is required.
- (5) To maintain or cause to be maintained, in a manner satisfactory to the **STATE** and **FHWA**, the completed improvement, or that portion of the completed improvement within its jurisdiction as established by addendum referred to in item 4 above.
- (6) To comply with all applicable Executive Orders and Federal Highway Acts pursuant to the Equal Employment Opportunity and Nondiscrimination Regulations required by the U.S. Department of Transportation.
- (7) To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amounts, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General and the department; and the **LA** agrees to cooperate fully with any audit conducted by the Auditor General and the department; and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the **STATE** for the recovery of any funds paid by the **STATE** under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
- (8) To provide if required, for the improvement of any railroad-highway grade crossing and rail crossing protection within the limits of the proposed improvement.
- (9) To comply with Federal requirements or possibly lose (partial or total) Federal participation as determined by the **FHWA**.
- (10) (State Contracts Only) That the method of payment designated on page one will be as follows:
  - Method A - Lump Sum Payment. Upon award of the contract for this improvement, the **LA** will pay to the **STATE** within thirty (30) calendar days of billing, in lump sum, an amount equal to 80% of the **LA**'s estimated obligation incurred under this Agreement. The **LA** will pay to the **STATE** the remainder of the **LA**'s obligation (including any nonparticipating costs) within thirty (30) calendar days of billing in a lump sum, upon completion of the project based upon final costs.
  - Method B - Monthly Payments. Upon award of the contract for this improvement, the **LA** will pay to the **STATE**, a specified amount each month for an estimated period of months, or until 80% of the **LA**'s estimated obligation under the provisions of the Agreement has been paid, and will pay to the **STATE** the remainder of the **LA**'s obligation (including any nonparticipating costs) in a lump sum, upon completion of the project based upon final costs.
  - Method C - Progress Payments. Upon receipt of the contractor's first and subsequent progressive bills for this improvement, the **LA** will pay to the **STATE** within thirty (30) calendar days of receipt, an amount equal to the **LA**'s share of the construction cost divided by the estimated total cost, multiplied by the actual payment (appropriately adjusted for nonparticipating costs) made to the contractor until the entire obligation incurred under this Agreement has been paid.

Failure to remit the payment(s) in a timely manner as required under Methods A, B, or C, shall allow the **STATE** to internally offset, reduce, or deduct the arrearage from any payment or reimbursement due or about to become due and payable from the **STATE** to **LA** on this or any other contract. The **STATE**, at its sole option, upon notice to the **LA**, may place the debt into the the Illinois Comptroller's Offset System (30 ILCS 105/10.05) or take such other and further action as may be required to recover the debt.
- (11) (Day Labor or Local Contracts) To provide or cause to be provided all of the initial funding, equipment, labor, material and services necessary to construct the complete project.
- (12) (Preliminary Engineering) In the event that right-of-way acquisition for, or actual construction of the project for which this preliminary engineering is undertaken with Federal participation is not started by the close of the tenth fiscal year following the fiscal year in which this agreement is executed, the **LA** will repay the **STATE** any Federal funds received under the terms of this Agreement.
- (13) (Right-of-Way Acquisition) In the event that the actual construction of the project on this right-of-way is not undertaken by the close of the twentieth fiscal year following the fiscal year in which this Agreement is executed, the **LA** will repay the **STATE** any Federal Funds received under the terms of this Agreement.

- (14) (Railroad Related Work Only) The estimates and general layout plans for at-grade crossing improvements should be forwarded to the Rail Safety and Project Engineer, Room 204, Illinois Department of Transportation, 2300 South Dirksen Parkway, Springfield, Illinois, 62764. Approval of the estimates and general layout plans should be obtained prior to the commencement of railroad related work. All railroad related work is also subject to approval by the Illinois Commerce Commission (ICC). Final inspection for railroad related work should be coordinated through appropriate IDOT District Bureau of Local Roads and Streets office.
- Plans and preemption times for signal related work that will be interconnected with traffic signals shall be submitted to the ICC for review and approval prior to the commencement of work. Signal related work involving interconnects with state maintained traffic signals should also be coordinated with the IDOT's District Bureau of Operations.
- The **LA** is responsible for the payment of the railroad related expenses in accordance with the **LA**/railroad agreement prior to requesting reimbursement from IDOT. Requests for reimbursement should be sent to the appropriate IDOT District Bureau of Local Roads and Streets office.
- Engineer's Payment Estimates in accordance with the Division of Cost on page one.
- (15) And certifies to the best of its knowledge and belief its officials:
- (a) are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
  - (b) have not within a three-year period preceding this Agreement been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements receiving stolen property;
  - (c) are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, local) with commission of any of the offenses enumerated in item (b) of this certification; and
  - (d) have not within a three-year period preceding the Agreement had one or more public transactions (Federal, State, local) terminated for cause or default.
- (16) To include the certifications, listed in item 15 above and all other certifications required by State statutes, in every contract, including procurement of materials and leases of equipment.
- (17) (State Contracts) That execution of this agreement constitutes the **LA**'s concurrence in the award of the construction contract to the responsible low bidder as determined by the **STATE**.
- (18) That for agreements exceeding \$100,000 in federal funds, execution of this Agreement constitutes the **LA**'s certification that:
- (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or any employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan or cooperative agreement;
  - (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress, in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions;
  - (c) The **LA** shall require that the language of this certification be included in the award documents for all subawards at all ties (including subcontracts, subgrants and contracts under grants, loans and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.
- (19) To regulate parking and traffic in accordance with the approved project report.
- (20) To regulate encroachments on public right-of-way in accordance with current Illinois Compiled Statutes.
- (21) To regulate the discharge of sanitary sewage into any storm water drainage system constructed with this improvement in accordance with current Illinois Compiled Statutes.
- (22) That the **LA** may invoice the **STATE** monthly for the **FHWA** and/or **STATE** share of the costs incurred for this phase of the improvement. The **LA** will submit supporting documentation with each request for reimbursement from the **STATE**. Supporting documentation is defined as verification of payment, certified time sheets, vendor invoices, vendor receipts, and other documentation supporting the requested reimbursement amount.
- (23) To complete this phase of the project within three years from the date this agreement is approved by the **STATE** if this portion of the project described in the Project Description does not exceed \$1,000,000 (five years if the project costs exceed \$1,000,000).
- (24) Upon completion of this phase of the improvement, the **LA** will submit to the **STATE** a complete and detailed final invoice with all applicable supporting supporting documentation of all incurred costs, less previous payments, no later than one year from the date of completion of this phase of the improvement. If a final invoice is not received within one year of completion of this phase of the improvement, the most recent invoice may be considered the final invoice and the obligation of the funds closed.

- (25) (Single Audit Requirements) That if the **LA** expends \$500,000 or more a year in federal financial assistance they shall have an audit made in accordance with the Office of Management and Budget (OMB) Circular No. A-133. **LA**'s that expend less than \$500,000 a year shall be exempt from compliance. A copy of the audit report must be submitted to the **STATE** (Office of Finance and Administration, Audit Coordination Section, 2300 South Dirksen Parkway, Springfield, Illinois, 62764), within 30 days after the completion of the audit, but no later than one year after the end of the **LA**'s fiscal year. The CFDA number for all highway planning and construction activities is 20.205.
- (26) That the **LA** is required to register with the System for Award Management or SAM (formerly Central Contractor Registration (CCR)), which is a web-enabled government-wide application that collects, validates, stores, and disseminates business information about the federal government's trading partners in support of the contract award and the electronic payment processes. To register or renew, please use the following website: <https://www.sam.gov/portal/public/SAM/#1>.

#### THE STATE AGREES:

- (1) To provide such guidance, assistance and supervision and to monitor and perform audits to the extent necessary to assure validity of the **LA**'s certification of compliance with Titles II and III requirements.
- (2) (State Contracts) To receive bids for the construction of the proposed improvement when the plans have been approved by the **STATE** (and **FHWA**, if required) and to award a contract for construction of the proposed improvement, after receipt of a satisfactory bid.
- (3) (Day Labor) To authorize the **LA** to proceed with the construction of the improvement when Agreed Unit Prices are approved and to reimburse the **LA** for that portion of the cost payable from Federal and/or State funds based on the Agreed Unit Prices and Engineer's Payment Estimates in accordance with the Division of Cost on page one.
- (4) (Local Contracts) That for agreements with Federal and/or State funds in engineering, right-of-way, utility work and/or construction work:
- (a) To reimburse the **LA** for the Federal and/or State share on the basis of periodic billings, provided said billings contain sufficient cost information and show evidence of payment by the **LA**;
- (b) To provide independent assurance sampling, to furnish off-site material inspection and testing at sources normally visited by **STATE** inspectors of steel, cement, aggregate, structural steel and other materials customarily tested by the **STATE**.

#### IT IS MUTUALLY AGREED:

- (1) Construction of the project will utilize domestic steel as required by Section 106.01 of the current edition of the Standard Specifications for Road and Bridge Construction.
- (2) That this Agreement and the covenants contained herein shall become null and void in the event that the **FHWA** does not approve the proposed improvement for Federal-aid participation or the contract covering the construction work contemplated herein is not awarded within three years of the date of execution of this Agreement.
- (3) This Agreement shall be binding upon the parties, their successors and assigns.
- (4) For contracts awarded by the **LA**, the **LA** shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any USDOT – assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The **LA** shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of USDOT – assisted contracts. The **LA**'s DBE program, as required by 49 CFR part 26 and as approved by USDOT, is incorporated by reference in this Agreement. Upon notification to the recipient of its failure to carry out its approved program, the department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31U.S.C. 3801 et seq.). In the absence of a USDOT – approved **LA** DBE Program or on State awarded contracts, this Agreement shall be administered under the provisions of the **STATE**'s USDOT approved Disadvantaged Business Enterprise Program.
- (5) In cases where the **STATE** is reimbursing the **LA**, obligations of the **STATE** shall cease immediately without penalty or further payment being required if, in any fiscal year, the Illinois General Assembly or applicable Federal Funding source fails to appropriate or otherwise make available funds for the work contemplated herein.
- (6) All projects for the construction of fixed works which are financed in whole or in part with funds provided by this Agreement and/or amendment shall be subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.) unless the provisions of that Act exempt its application

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**ADDENDA**

Additional information and/or stipulations are hereby attached and identified below as being a part of this Agreement.

Number 1- Location Map, Number 2 – Local Appropriation Resolution.

(Insert addendum numbers and titles as applicable)

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The LA further agrees, as a condition of payment, that it accepts and will comply with the applicable provisions set forth in this Agreement and all exhibits indicated above.

**APPROVED**

Local Agency

Daniel J. McLaughlin

\_\_\_\_\_  
Name of Official (Print or Type Name)

Village President

\_\_\_\_\_  
Title (County Board Chairperson/Mayor/Village President/etc.)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Date

The above signature certifies the agency's TIN number is  
36-6006035 conducting business as a Governmental  
Entity.

DUNS Number \_\_\_\_\_

**APPROVED**

State of Illinois  
Department of Transportation

\_\_\_\_\_  
Erica J. Borggren, Acting Secretary

\_\_\_\_\_  
Date

By:

\_\_\_\_\_  
Aaron A. Weatherholt, Deputy Director of Highways

\_\_\_\_\_  
Date

\_\_\_\_\_  
Omer Osman, Director of Highways/Chief Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Michael A. Forti, Chief Counsel

\_\_\_\_\_  
Date

\_\_\_\_\_  
Tony Small, Director of Finance and Administration

\_\_\_\_\_  
Date

**NOTE:** If signature is by an APPOINTED official, a resolution authorizing said appointed official to execute this agreement is required.

Local Agency	<b>L O C A L  A G E N C Y</b>	 <b>Illinois Department of Transportation</b>	<b>C O N S U L T A N T</b>	Consultant
Village of Orland Park				Christopher B. Burke Engineering.
County Cook				Address 9575 W. Higgins Rd. Ste. 600
Section 15-00074-00-CH				City Rosemont
Project No.				State IL
Job No.				Zip Code 60056
Contact Name/Phone/E-mail Address Kurt Corrigan 708-403-6123 kcorrigan@orlandpark.org		<b>Preliminary Engineering Services Agreement For Federal Participation</b>		Contact Name/Phone/E-mail Address Jason Souden, PE 847-823-0500 jsouden@cbbel.com

THIS AGREEMENT is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the PROJECT. Federal-aid funds allotted to the LA by the state of Illinois under the general supervision of the Illinois Department of Transportation (STATE) will be used entirely or in part to finance engineering services as described under AGREEMENT PROVISIONS.

#### Project Description

Name 151<sup>st</sup> Street and West Avenue Route \_\_\_\_\_ Length \_\_\_\_\_ Structure No. \_\_\_\_\_

Termini Intersection Improvement

Description Phase I Engineering for a roundabout at 151<sup>st</sup> Street and West Avenue.

#### Agreement Provisions

##### I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance, in accordance with STATE approved design standards and policies, of engineering services for the LA for the proposed improvement herein described.
2. To attend any and all meetings and visit the site of the proposed improvement at any reasonable time when requested by representatives of the LA or STATE.
3. To complete the services herein described within 500 calendar days from the date of the Notice to Proceed from the LA, excluding from consideration periods of delay caused by circumstances beyond the control of the ENGINEER.
4. The classifications of the employees used in the work should be consistent with the employee classifications and estimated man-hours shown in EXHIBIT A. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are indicated in Exhibit A to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
5. That the ENGINEER is qualified technically and is entirely conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated herein.
6. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of work by the STATE will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or for clarification of any ambiguities.
7. That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by the ENGINEER and will affix the ENGINEER's professional seal when such seal is required by law. Plans for structures to be built as a part of the improvement will be prepared under the supervision of a registered structural engineer and will affix structural engineer seal when such seal is required by law. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the STATE.
8. That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LA.

9. The undersigned certifies neither the ENGINEER nor I have:
- a. employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for me or the above ENGINEER) to solicit or secure this AGREEMENT,
  - b. agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
  - c. paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for me or the above ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
  - d. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
  - e. have not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property,
  - f. are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (e) and
  - g. have not within a three-year period preceding this AGREEMENT had one or more public transactions (Federal, State or local) terminated for cause or default.
10. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LA.
11. To submit all invoices to the LA within one year of the completion of the work called for in this AGREEMENT or any subsequent Amendment or Supplement.
12. To submit BLR 05613, Engineering Payment Report, to the STATE upon completion of the project (Exhibit B).
13. Scope of Services to be provided by the ENGINEER:
- Make such detailed surveys as are necessary for the planning and design of the PROJECT.
  - Make stream and flood plain hydraulic surveys and gather both existing bridge upstream and downstream high water data and flood flow histories.
  - Prepare applications for U.S. Army Corps of Engineers Permit, Illinois Department of Natural Resources Office of Water Resources Permit and Illinois Environmental Protection Agency Section 404 Water Quality Certification.
  - Design and/or approve cofferdams and superstructure shop drawings.
  - Prepare Bridge Condition Report and Preliminary Bridge Design and Hydraulic Report, (including economic analysis of bridge or culvert types and high water effects on roadway overflows and bridge approaches).
  - Prepare the necessary environmental and planning documents including the Project Development Report, Environmental Class of Action Determination or Environmental Assessment, State Clearinghouse, Substate Clearinghouse and all necessary environmental clearances.
  - Make such soil surveys or subsurface investigations including borings and soil profiles as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations to be made in accordance with the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Administrative Policies, Federal-Aid Procedures for Local Highway Improvements or any other applicable requirements of the STATE.
  - Analyze and evaluate the soil surveys and structure borings to determine the roadway structural design and bridge foundation.
  - Prepare preliminary roadway and drainage structure plans and meet with representatives of the LA and STATE at the site of the improvement for review of plans prior to the establishment of final vertical and horizontal alignment, location and size of drainage structures, and compliance with applicable design requirements and policies.
  - Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
  - Complete the general and detailed plans, special provisions and estimate of cost. Contract plans shall be prepared in accordance with the guidelines contained in the Bureau of Local Roads and Streets manual. The special provisions and detailed estimate of cost shall be furnished in quadruplicate.
  - Furnish the LA with survey and drafts in quadruplicate all necessary right-of-way dedications, construction easements and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

**II. THE LA AGREES,**

1. To furnish the ENGINEER all presently available survey data and information
2. To pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT, on the basis of the following compensation formulas:

Cost Plus Fixed Fee       CPFF = 14.5%[DL + R(DL) + OH(DL) + IHDC], or  
                                  CPFF = 14.5%[DL + R(DL) + 1.4(DL) + IHDC], or  
                                  CPFF = 14.5%[(2.3 + R)DL + IHDC]

Where:      DL = Direct Labor  
                  IHDC = In House Direct Costs  
                  OH = Consultant Firm's Actual Overhead Factor  
                  R = Complexity Factor

Specific Rate               (Pay per element)

Lump Sum                  \_\_\_\_\_

3. To pay the ENGINEER using one of the following methods as required by 49 CFR part 26 and 605 ILCS 5/5-409:

With Retainage

- a) **For the first 50% of completed work**, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to 90% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- b) **After 50% of the work is completed**, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments covering work performed shall be due and payable to the ENGINEER, such payments to be equal to 95% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- c) **Final Payment** – Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and the STATE, a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

Without Retainage

- a) **For progressive payments** – Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- b) **Final Payment** – Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and STATE, a sum o money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

4. The recipient shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this agreement. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31U.S.C. 3801 et seq.).

**III. IT IS MUTALLY AGREED,**

1. That no work shall be commenced by the ENGINEER prior to issuance by the LA of a written Notice to Proceed.
2. That tracings, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LA and that basic survey notes, sketches, charts and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request, to the LA or to the STATE, without restriction or limitation as to their use.

3. That all reports, plans, estimates and special provisions furnished by the ENGINEER shall be in accordance with the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Administrative Policies, Federal-Aid Procedures for Local Highway Improvements or any other applicable requirements of the STATE, it being understood that all such furnished documents shall be approved by the LA and the STATE before final acceptance. During the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.
4. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without written consent of the LA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall not be construed to relieve the ENGINEER of any responsibility for the fulfillment of this agreement.
5. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amounts, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General and the STATE; and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the STATE for the recovery of any funds paid by the STATE under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
6. The payment by the LA in accordance with numbered paragraph 3 of Section II will be considered payment in full for all services rendered in accordance with this AGREEMENT whether or not they be actually enumerated in this AGREEMENT.
7. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LA, the STATE, and their officers, agents and employees from all suits, claims, actions or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.
8. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such material becomes the property of the LA. The LA will be responsible for reimbursement of all eligible expenses to date of the written notice of termination.
9. This certification is required by the Drug Free Workplace Act (30ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the State unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to, suspension of contract or grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the State for at least one (1) year but no more than five (5) years.

For the purpose of this certification, "grantee" or "contractor" means a corporation, partnership or other entity with twenty-five (25) or more employees at the time of issuing the grant, or a department, division or other unit thereof, directly responsible for the specific performance under a contract or grant of \$5,000 or more from the State, as defined in the Act.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- a. Publishing a statement:
  - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
  - (2) Specifying the actions that will be taken against employees for violations of such prohibition.
  - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
    - (a) abide by the terms of the statement; and
    - (b) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
- b. Establishing a drug free awareness program to inform employees about:
  - (1) The dangers of drug abuse in the workplace;
  - (2) The grantee's or contractor's policy of maintaining a drug free workplace;
  - (3) Any available drug counseling, rehabilitation and employee assistance program; and
  - (4) The penalties that may be imposed upon an employee for drug violations.
- c. Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
- d. Notifying the contracting or granting agency within ten (10) days after receiving notice under part (B) of paragraph (3) of subsection (a) above from an employee or otherwise receiving actual notice of such conviction.
- e. Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by,
- f. Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.
- g. Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.

10. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of DOT assisted contracts. Failure by the ENGINEER to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LA deems appropriate.

**Agreement Summary**

Prime Consultant:	TIN Number	Agreement Amount
Christopher B. Burke Engineering, Ltd.	36-3468939	\$99,109.20

Sub-Consultants:	TIN Number	Agreement Amount
Sub-Consultant Total:		
Prime Consultant Total:		\$99,109.20
Total for all Work:		\$99,109.20

Executed by the LA: Village of Orland Park  
\_\_\_\_\_  
(Municipality/Township/County)

ATTEST: By: \_\_\_\_\_

By: \_\_\_\_\_ Title: Village President

Clerk

(SEAL)

Executed by the ENGINEER: \_\_\_\_\_

ATTEST: \_\_\_\_\_

By: \_\_\_\_\_ By: \_\_\_\_\_

Title: \_\_\_\_\_ Title: \_\_\_\_\_

# PROJECT UNDERSTANDING & SCOPE OF SERVICES

## PROJECT UNDERSTANDING

Christopher B. Burke Engineering, Ltd. (CBBEL) understands that the following scope of work will be required as part of the Phase I engineering and environmental studies for the improvement of the intersection of 151st Street and West Avenue in the Village of Orland Park. To ensure eligibility for federal (STP) construction, this project will be developed in accordance with federal project development procedures. As such, this project will be coordinated through IDOT-Bureau of Local Roads in Schaumburg and will coordinate with IDOT granting Design Approval.

## PROJECT APPROACH

The scope of work anticipated to be performed during this project was determined through a STP Application developed by the Village. The general scope of work includes the following:

- Reconstruction of the intersection to convert the existing 4 way stop to a roundabout.
- Associated drainage and ADA improvements and utility relocations/improvements.

Preliminary (Phase I) Engineering will include all required engineering, based on the above anticipated scope of work, to secure Phase I Design Approval.

A Project Development Report (PDR) will be prepared and coordinated through IDOT in accordance with established project development procedures based on anticipation that the project will be classified as a Categorical Exclusion (CE) Group II. Based on anticipated right-of-way acquisition, processing of Environmental Surveys through IDOT will be required.

Identification of any environmental impacts and appropriate mitigation strategies will be documented in the PDR, including wetland impacts (if any), tree impacts, etc. Presentation at FHWA coordination meetings at IDOT District One offices will be required to secure IDOT and FHWA concurrence on the environmental processing as a CE II and overall project development procedures.

It is anticipated permanent right-of-way must be acquired and temporary easements are needed to construct the roundabout. A Plat of Highways will be prepared and process through IDOT Bureau of Land Acquisition for review and approval.

Based on the roadway widening associated with the project and the need for right-of-way and and/or temporary construction easements, some form of public involvement is anticipated to be desired and/or required. Both individual property owner contacts and one Public Meeting may be required for this project.



# PROJECT UNDERSTANDING & SCOPE OF SERVICES

## SCHEDULE

Based on the above general scope of work, and the IDOT/FHWA project development process including public involvement, it is estimated that IDOT design approval for the Phase I Study will require 12 months to obtain after authorization to proceed.

## SCOPE OF SERVICES

### PHASE I ENGINEERING

The following represents the detailed scope of services by task that is anticipated to be required for the Preliminary (Phase I) engineering associated with this project:

**Task 1 – Data Collection:** This task includes attending an initial project kickoff meeting with the Village and IDOT to discuss the project objectives and to refine the project scope as necessary.

This task also includes collecting, examining, reviewing and evaluating any new data to be utilized for the Phase I study, which may include, but not be limited to the following base information:

- Traffic (12 hours vehicle classification and pedestrian/bicycle counts)
- Current crash statistics obtained from the Village
- Existing Public/Private Utility Information
- Existing Right-of-Way information (Plats)
- Survey Benchmarks
- All other information necessary to complete the Phase I Study

This task also includes coordination with all known private utility companies within the project area, which will require preparing formal requests for their atlases or plans of their facilities within the project limits. This information would be added to the existing conditions plan and sent back to the utility companies for verification.

**Task 2 – Pickup Topographic Survey:** It is anticipated the previous survey completed in 2007 will be used as base topographic. This task includes supplemental topographic survey to ensure sufficient coverage area for RAB geometry.

**Task 3 – Crash Analysis:** CBBEL will prepare an analysis of the crash data obtained from the Village for the 151<sup>st</sup> Street/West Avenue intersection that will be used for development of the Intersection Design Study (IDS) and for inclusion in the Phase I Report.

## PROJECT UNDERSTANDING & SCOPE OF SERVICES

**Task 4 – Environmental Review/Coordination:** As noted above, it is assumed that this project will qualify as a Categorical Exclusion Group II project.

This task includes performing a wetlands and biological screening for the project limits via ECO-CAT (Environmental Compliance Assessment Tool) in accordance with established IDOT and IDNR procedures with the results summarized in a technical memorandum for project files. Based on anticipated right-of-way/easements, CBEL will prepare and submit an ESR. In addition, a review of the CERCLIS/UST-LUST/RCRA Special Waste databases will be performed with the results of both database searches used to screen the project from PESA requirements.

Trees within the project area will be located by station-offset and size as part of Task 2 and evaluated with respect to species and health as part of this task.

COISM will not be required based on ADT.

Based on the proposed widening and reconstruction scope of work, the project area will be screened for structures that are 40 or more years old, and if present, submitted as part of ESR for screening by IDOT as potentially eligible historic properties.

**Task 5 – Intersection Geometry:** This task includes the preparation of preliminary roadway geometry including proposed horizontal and vertical geometry, existing/proposed cross sections, and an assessment of additional right-of-way/easement needs for the project based on the new project survey.

On this basis, preliminary intersection plans showing existing and proposed horizontal and vertical geometry will be prepared at a scale of 1"=20'. The proposed geometry will be set to meet applicable IDOT and Village design criteria. Typical sections for the proposed improvement will be developed concurrently.

Existing and proposed cross-sections will be developed to determine right-of-way and easement requirements, drainage patterns, and to fine-tune the proposed vertical geometry. The cross-sections will show existing right-of-way, existing grade, proposed grade (top surface only) and proposed right-of-way and easements where necessary.

During this task, it is expected that preliminary intersection plan, and cross sections will be coordinated with the Village and IDOT for their concurrence and/or comment. At the end of this task the project team will have completed preliminary geometry and identified the proposed project limits including any additional right-of-way acquisitions and easements necessary for the construction of the proposed improvement. This task will also determine preliminary traffic maintenance during construction and any associated additional right-of-way and/or easement needs.

## PROJECT UNDERSTANDING & SCOPE OF SERVICES

**Task 6 – Intersection Design Study:** This task will include the preparation of an Intersection Design Study (IDS) in accordance with IDOT requirements for the proposed roundabout at the 151<sup>st</sup> and West Avenue intersection, and associated coordination with the Village and IDOT.

**Task 7 – Plat of Highways:** Upon confirming the required right-of-way and easements that were identified in the Phase I Report, CBBEL will prepare plats and legal descriptions for the affected parcel. A separate plat of survey will be prepared for each parcel and each plat of survey will be referenced to an overall plat of highways. The centerline alignment and existing right-of-way previously established will be the basis for the development of the plats and legal descriptions.

**Task 7.1 – Reconnaissance:** CBBEL will field recon project area in an attempt to discover sufficient right-of-way, property line and Section \ Quarter line evidence within the project limits. Research will be performed at the Cook County Recorder's office. Current title commitments will be ordered for each property affected by the proposed right-of-way takes and easements for this project.

**Task 7.2 – Parcel Surveys:** CBBEL will field locate all property and section\ quarter line evidence discovered during Task 7.1. CBBEL will also locate the existing buildings within the parcels affected by the proposed right-of-way takes and easements as required for Task 7.4.

**Task 7.3 – Parcel Calculations:** Utilizing the information and physical evidence found in Task 7.1 and 7.2, CBBEL will compute the location of the existing property and Section \ Quarter lines along with the proposed take and easement lines for this project.

**Task 7.4 – Drafting of the “Plat of Highway”:** CBBEL will compile all the information gathered in Task 7.1 thru 7.3 on the “Plat of Highway” in a format suitable for submittal to and approval by IDOT.

**Task 7.5 – Prepare Written Legal Description:** CBBEL will prepare written legal descriptions of all permanent right-of-way takes and temporary easements suitable for submittal to and approval by IDOT.

**Task 7.6 – Proposed Right-of-Way Staking:** CBBEL will set 5\8 x 24 inch iron rods (with survey caps) at all the corners of the right-of-way takes acquired and shown on the plat of highway drafted in Task 7.4.

Based on a concept design, we estimate that four permanent takes will be required.

**Task 8 - Project Development Report:** This task includes preparation of a Phase I Engineering Report in accordance with IDOT-BLR Form 22210 (revised 11/20/13) - Local Project Development Report (PDR), and coordinated with IDOT and FHWA for review/approval. This task includes development of the PDR and all supporting exhibits, for coordination with the Village and IDOT, and ultimate approval by IDOT.



## PROJECT UNDERSTANDING & SCOPE OF SERVICES

**Task 9 – Public Involvement:** This task will focus on overall public involvement for the project, including communicating with adjacent residents and the general public, as required.

Based on the proposed roundabout, traffic maintenance/staging implications (ie; access issues during construction) and the anticipated right-of-way/easement acquisition needs, a Public Hearing is anticipated to be required by IDOT and/or the Village to allow the project stakeholders and the general public an opportunity to review, comment on, and discuss the results of the Phase I study with the Village and the consultant.

Exhibits and handout materials will be prepared for the Public Hearing, which is anticipated to be an Open House format, to describe the overall project. Color exhibits on an aerial background will be prepared at a scale of 1"=20' to illustrate the proposed improvement plan and the right-of-way/easement requirements. In accordance with IDOT/FHWA procedures, an announcement will be placed in a local newspaper and invitation letters will be sent to adjacent property owners.

**Task 10 – Project Coordination:** This task will include overall project coordination, administration and quality assurance/quality control procedures for this project.

This task also encompasses other non-task specific coordination activities for the project including project status meetings with the Village staff and other departments as required, preparation and attendance at IDOT and FHWA coordination meetings, and other coordination activities as required. Meeting minutes will be prepared for all meetings for the project record and the PDR.

