

ILLINOIS DEPARTMENT OF TRANSPORTATION

Request for Approval  
of Change in Consultant Contract

Date: 4/17/2013

Local Agency: LAKE COUNTY

Request: No. 2

Name: Wadsworth Rd at IL Route 131  
Intersection Improvement

To: Department of Transportation  
LCDOT / SCHAUMBURG

Section: 03-00033-12-CH

Consultant: Christopher B. Burke Engineering

I recommend that an addition be made to the above consultant contract.

The estimated work is listed below

|   |               |
|---|---------------|
| Original contract amount<br>for services described: | \$ 519,380.32 |
|---|---------------|

|  |              |
|--|--------------|
| Sum of all previous contract<br>change orders: | \$ 71,329.93 |
|--|--------------|

| Item #     | Description   | Additions   | Deductions |
|------------|---|-------------|------------|
| 1          | Additional PS&E submittal to IDOT due to deferral of project letting from January to March of 2013. Processing associated plan changes requested by IDOT that went into affect for the March letting. | \$10,059.48 |            |
| 2          | Design and coordination for Village of Beach Park water main relocation.  | \$7,595.50  |            |
| 3          | Administration and IDOT coordination  | \$2,209.19  |            |
| TOTALS     |   | \$19,864.17 | \$0.00     |
| NET CHANGE |   | \$19,864.17 | \$0.00     |

Net ADDITION change to date \$91,194.10 which is 17.56 % of the original contract amount for services described

State fully the nature and reason for change:

|  |              |
|--|--------------|
| Revised contract amount<br>for services described: | \$610,574.42 |
|--|--------------|

Please see attached.

When the net increase or decrease in the cost of the contract is \$10,000 or more, or the time of completion is increased or decreased by 30 days or more, one of the following statements shall be checked.

The undersigned determined that the circumstances which necessitated this change were not reasonably foreseeable at the time the contract was signed.

The undersigned determined that the circumstances which necessitated this change were not within the contemplation of the contract as signed.

The undersigned determined that this change is in the best interest of the local agency and is authorized by law.

APPROVED

DEPARTMENT OF TRANSPORTATION

Approved 4/25/13

  
Regional Engineer

County Engineer

On Behalf of IDOT pursuant to Agreement of Understanding dated January 22, 2003

Project Engineer Satish Kumar Sareetha Date 4/22/13

Engineer of Design Mark D. Jones Date 4/22/13

Approval Recommended Paula Tuggs Date 4/25/13  
County Engineer

April 4, 2013

Lake County Division of Transportation  
600 West Winchester Road  
Libertyville, IL 60048

Attention: Mr. Satrugan Shrestha

Subject: Wadsworth Road/Green Bay Road Improvement  
Section #: 03-00033-12-CH  
Job#: C-91-007-08  
(CBBEL Project # 04-229)

Dear Mr. Shrestha:

As we previously discussed with you and Mr. Mike Zemaitis, CBBEL requests your consideration of a fee supplement for additional design services rendered that were not included in our negotiated scope. Because of our mutual desire for the improvement contract to be advertised on schedule, CBBEL provided the following additional services without first securing a supplemental fee:

- Made one additional resubmittal of the PS&E to IDOT, due to the deferral of the contract advertisement from January to March 2013. We understand the reason for the delay was IDOT's requirement that all ROW takings had to be finalized. IDOT had received the Bid Document originals from CBBEL for the January letting but then threw them away. CBBEL was instructed to replot and resubmit full size original plans including sealed mylars, as well as multiple copies of the half size plans, the project specifications, cost estimates, etc. for IDOT's use and records.
- Revised the traffic signal plans and project specifications to reflect the contract advertisement delay. IDOT Local Roads instructed us to incorporate into the contract documents several updated District Design Guidelines that went into effect for the March 2013 letting. The PS&E also had to be checked and updated for all March 2013 District Recurring SP's.
- Revised the General Notes and Quantities to incorporate a last-minute policy change by IDOT which eliminated grates for precast flared end sections and added traversable grating (pipe runners) for concrete end sections.
- Engineered additional water main removal and replacement on Wadsworth Road at the request of the Village of Beach Park. CBBEL assisted the County to coordinate with the Village Engineer, and evaluated review comments, prepared dispositions, and attended a meeting to help determine their needs. CBBEL

prepared and updated a separate cost estimate for the County's use in a cost sharing agreement with the Village. We substantially prepared the water main permit and printed sealed plan and spec copies for submittal to IEPA.

- Revised 3 drainage structures on Green Bay Road to maximize the vertical separation over a Village water main to remain.
- Revised the detention ditch east of Green Bay Road to include inspection/restrictor structures and normal-sized driveway culverts at multiple locations.
- Revised the Green Bay Road traffic signal to delete Emergency Vehicle Pre-emption.
- Updated existing condition plan views to include utilities not surveyed by CBBEL but claimed by Beach Park.
- In general, CBBEL expended more effort coordinating with IDOT to ensure this project would make the scheduled letting than we anticipated when we requested a fee supplement in December, 2011. Items that were beyond our scope included extra coordination to obtain railroad and County sign-offs on the permit for a Traffic Signal Interconnect to be constructed in the Union Pacific Railroad ROW; determining contact information for a broker for Railroad Protective Liability Insurance at the above-mentioned crossing; and making a separate and additional plan submittal to the District Bureau of Traffic. Please note that CBBEL was responsive in every instance, and due in part to our extra efforts IDOT did advertise this project on schedule.

The attached Exhibit provides a breakdown of our supplement request. It is our understanding that this supplement will be funded by the County and will not be processed for State funding participation.

Please call me if you have any questions or require more detail. Thank you for your consideration of our request.

Sincerely,

Jason G. Souden, PE  
VP, Head, Civil Engineering Design Department

Exhibit A - Preliminary Engineering

Route: Wadsworth Road @ IL Rte 131 (Green Bay Road)  
 Local Agency: Lake County Division of Transportation  
(Municipality/Township/County)  
 Section: 03-00033-12-CH  
 Project: CMM- 8003(404)  
 Job No.: D-91-207-04

\* Firm's approved rates on file with IDOT'S  
 Bureau of Accounting and Auditing:  
 IDOT Approved Overhead Rate: 146.48%  
 Project Overhead Rate:  
 Complexity Factor = 0.0  
 Calendar Days 365.0

Method of Compensation:  
 14.5%[DL +R(DL) + OH(DL) + IHDC]  
 14.5%[DL +R(DL) + 1.4(DL) + IHDC]  
 14.5%[(2.3 + R)DL + IHDC]  
  
  
 Lump Sum

Cost Estimate of Consultant's Services in Dollars

| Element of Work                      | Employee Classification | Man-Hours | Payroll Rate | Payroll (DL) | Overhead   | Services by Others | Outside Direct Costs | Profit     | Total       |
|--------------------------------------|-------------------------|-----------|--------------|--------------|------------|--------------------|----------------------|------------|-------------|
| IDOT Add'l Plan submittals Feb-March | Engineer VI             | 1.00      | \$70.00      | \$70.00      | \$102.54   |                    | \$750.00             | \$25.02    | \$947.55    |
| IDOT Add'l Plan submittals Feb-March | Engineer V              | 32.00     | \$46.86      | \$1,499.52   | \$2,196.50 |                    |                      | \$535.92   | \$4,231.94  |
| IDOT Add'l Plan submittals Feb-March | Engineer IV             | 24.00     | \$46.86      | \$1,124.64   | \$1,647.37 |                    |                      | \$401.94   | \$3,173.95  |
| IDOT Add'l Plan submittals Feb-March | Engineer III            | 8.00      | \$38.31      | \$306.48     | \$448.93   |                    |                      | \$109.53   | \$864.95    |
| IDOT Add'l Plan submittals Feb-March | CAD Manager             | 2.00      | \$48.50      | \$97.00      | \$142.09   |                    |                      | \$34.67    | \$273.75    |
| IDOT Add'l Plan submittals Feb-March | Assistant CAD Manager   | 4.00      | \$43.25      | \$173.00     | \$253.41   |                    |                      | \$61.83    | \$488.24    |
| IDOT Add'l Plan submittals Feb-March | Administrative          | 1.00      | \$28.03      | \$28.03      | \$41.06    |                    |                      | \$10.02    | \$79.11     |
| Add'l design for Beach Park          | Engineer VI             | 3.00      | \$70.00      | \$210.00     | \$307.61   |                    |                      | \$75.05    | \$592.66    |
| Add'l design for Beach Park          | Engineer V              | 12.00     | \$46.86      | \$562.32     | \$823.69   |                    |                      | \$200.97   | \$1,586.98  |
| Add'l design for Beach Park          | Engineer IV             | 18.00     | \$46.86      | \$843.48     | \$1,235.53 |                    |                      | \$301.46   | \$2,380.47  |
| Add'l design for Beach Park          | Engineer III            | 8.00      | \$38.31      | \$306.48     | \$448.93   |                    |                      | \$109.53   | \$864.95    |
| Add'l design for Beach Park          | CAD Manager             | 4.00      | \$48.50      | \$194.00     | \$284.17   |                    |                      | \$69.33    | \$547.51    |
| Add'l design for Beach Park          | Assistant CAD Manager   | 12.00     | \$43.25      | \$519.00     | \$760.23   |                    |                      | \$185.49   | \$1,464.72  |
| Add'l design for Beach Park          | Administrative          | 2.00      | \$28.03      | \$56.06      | \$82.12    |                    |                      | \$20.04    | \$158.21    |
| Add'l Admin and Coordination         | Engineer VI             | 2.00      | \$70.00      | \$140.00     | \$205.07   |                    |                      | \$50.04    | \$395.11    |
| Add'l Admin and Coordination         | Engineer V              | 8.00      | \$57.69      | \$461.52     | \$676.03   |                    |                      | \$164.95   | \$1,302.50  |
| Add'l Admin and Coordination         | Engineer III            | 4.00      | \$38.31      | \$153.24     | \$224.47   |                    |                      | \$54.77    | \$432.47    |
| Add'l Admin and Coordination         | Administrative          | 1.00      | \$28.03      | \$28.03      | \$41.06    |                    |                      | \$10.02    | \$79.11     |
| <b>Totals</b>                        |                         | 146.00    | -            | \$6,772.80   | \$9,920.80 | \$0.00             | \$750.00             | \$2,420.57 | \$19,864.17 |