

RESOLUTION NO. 22020

Background

The Illinois State Toll Highway Authority (“Tollway”), pursuant to Resolution No 21649 approved September 27, 2018, entered into an Agreement with STV, Incorporated on Contract No. RR-18-4382 for Design Services on the Tri-State Tollway (I-94) at Mile Post 7.5 (Stearns School Road).

Per Tollway request, STV, Incorporated submitted a proposal to provide Supplemental Design Services for Contract No. RR-18-4382 in an amount not to exceed \$169,995.15, increasing the contract upper limit from \$1,774,888.24 to \$1,944,883.39. It is necessary and in the best interest of the Tollway to accept STV, Incorporated’s proposal.

Resolution

The Chief Engineering Officer is authorized to negotiate an Amended Agreement with STV, Incorporated, consistent with the aforementioned proposal, to increase the contract upper limit by \$169,995.15, subject to review and approval by the General Counsel. The Chairman/Chief Executive Officer of the Tollway is authorized to execute the Agreement, subject to the approval of the Chief Financial Officer, and the Chief Financial Officer is authorized to issue warrants in payment thereof.

Approved by:





Contract: RR-18-4382
Consultant: STV Incorporated

PSB:

PM: Mohamad Faraj

Reviewer: Sherita Kelly

Review Date: 4/20/20

Resolution:	Complete
Agreement	Complete
Proposal	Complete
Certifications/Disclosures	Complete
Delinquent Debt	Complete
DBE Compliance:	Complete
W-9 Form	N/A
Certificate of Good Standing:	Complete
Certificate of Insurance:	Complete

STV, Incorporated (Revised and Complete)

- **Please submit insurance.**
- **Proposal- should be for DSE supplement, signed and converted to PDF.**

SINGH & Associates, Inc. (Revised and Complete)

- **Cover Sheet – Date should be changed to 4/1/2020.**

Subject: RR-18-4382 with STV Incorporated Design Contract Supplement No. 2

NARRATIVE

1.0 Purpose

The purpose of this Staff Summary Sheet (SSS) is to obtain approval to supplement design contract RR-18-4382 with STV Incorporated in the amount of \$169,995.15. This supplement would increase the upper limit of compensation on this contract to \$1,944,883.39 from \$1,774,888.24. The Contract notice to proceed was October 26, 2018 with the majority of the work scheduled to be complete by July 2020. This supplement request is mostly due to requests and coordination with Lake County Department of Transportation (LCDOT) and the Village of Gurnee. An Intergovernmental Agreement (IGA) will be drafted for cost sharing with these two entities. The IGA will reimburse the Tollway for design fees, construction management fees, and construction costs associated with their requests as detailed in the draft IGA cost estimate dated April 2, 2020 (see Appendix). The breakdown of these costs is preliminary and under review at the time of this SSS.

2.0 Background Information

The scope of work includes the preparation of a Concept Level Report and Phase II design services for the proposed rehabilitation/reconstruction of the Stearns School Road Bridge (B.N. 433) over the Tri-State Tollway for the Illinois State Toll Highway Authority (Tollway). STV Incorporated was selected from Professional Service Bulletin (PSB) 18-2 and a contract negotiated to provide Design Section Engineering services in the amount of \$1,485,608.40.

The original scope of services is described in Exhibit F of the Contract and generally includes the following: Concept design services (Phase I) consisting of data collection and review; topographic survey; existing geometric analysis; mainline traffic construction staging analysis for partial closure of Stearns School Road (SSR); maintenance of traffic study for I-94; alternatives development and evaluation; earth work quantity/computation study; pavement marking study; location drainage study; geotechnical investigation; bridge inspections and structure types studies limited to Steel Plate girder and prestress beam utilizing a two span bridge; utility conflict study; cost estimate analysis; project implementation schedule/constructability review; and conceptual design plans.

Phase II services include: Contract documents including plans, specifications and special provisions; constructability review, probable construction cost estimates; estimated quantities; disposition of comments; design computations; permits; meetings and field checks; and coordination.

The project has encountered additional work items beyond the original scope and scope items that were noted in the first supplement for the project based on requests from LCDOT and the Village of Gurnee, and additional changes requested by the Tollway which are covered with this supplement. The Tollway project spurred both Lake County and the Village of Gurnee to contemplate the long-term needs along SSR. Neither entity included the SSR in their planning until the Tollway project was introduced to them. The original contract and the additional scope of work that was noted in the first supplement did not anticipate the additional requests from the County and Village or the need for the level of coordination and design that is now necessary for contract completion. Supplement No. 2 items include the following:

1. Items related to additional coordination with the Lake County DOT
 - a. As part of the continuing coordination effort with the Lake County DOT it was indicated by Lake County that the stormwater detention along Stearns School Road would not be required. This was a change from what was presented in the Concept Report through the Pre-Final Plans. The changes in the detention storage requirements has resulted in a project cost savings of \$258,000.
 - b. The in-line stormwater detention system that was designed was located along Stearns School Road, east and west of I-94.
 - c. Modifications to the shared-use path were also required as part of the coordination effort with the County.
 - d. This effort included additional coordination with Lake County, additional drainage analysis for the removal of detention system, preparation of a design deviation for the detention east of I-94 that outfalls onto Tollway ROW, updates to the drainage report, and revisions to the plans, special provisions, pay items and quantities.
2. Additional analysis related to the Village of Gurnee watermain
 - a. The Village of Gurnee's existing watermain traverses under I-94 just south of the Stearns School Road bridge. Per discussions with the Village they expressed concerns about their watermain related to the improvements as part of this project. Additional SUE information was acquired through a Tollway SUE consultant.
 - b. From the information provided by the SUE effort the watermain was found to be higher than expected at the east side of I-94 when compared to drawings supplied by the Village.
 - c. The additional effort involved coordination Tollway SUE consultant, analysis of the information provided by the SUE consultant, and modifications to the design of the culverts and ditches along I-94 to provide adequate clearance from the watermain, revisions to the plans, special provisions, pay items and quantities.
3. Revise the I-94 plans to modify the outside shoulder design
 - a. Per comments provided by the Tollway, the design of the outside shoulder was modified from the original 6" HMA section to provide a better foundation for the future, widened I-94 section. The new proposed HMA shoulder was revised to match the future mainline section with the addition of a 4" overlay. This was a change to what was presented in the Concept Report through the Pre-Final Plans.
 - b. This change also extended the limits of the improvement on I-94. The Tollway requested to decrease work zone taper rates to keep work zone speed limits to 65 MPH, and to provide the increased depth shoulder section under all MOT lane shift areas.
 - c. Revisions were required to the removal plans, roadway plans, MOT plans, cross-sections, special provisions, pay items and quantities.

4. Administrative and Management and QA

- a. Additional Administration & Management time is required due to requested changes to the design and project schedule.
- b. Additional QA/QC is required related to the additional work.

As a check of the supplement request, the average actual hourly rate was compared to the contract's negotiated average hourly rate and the overall design contract percentage of the estimated project construction cost was compared to historical program data. The original contract's negotiated average labor hourly rate (excluding direct costs) equaled \$47.48. The actual average labor hourly rate (excluding direct costs) on this contract thus far equals \$46.40. Since the actual rate is less than the negotiated rate the consultant was on track to deliver the negotiated hours of service.

Phase I and Phase II design fees on construction project typically range between 8 – 12% of the total construction costs. The typical design fee for a concept level design as completed for this contract is typically 2% of the construction costs and the Phase II design is typically between 6-10%. The combined Phase I & II design engineering fee percentage vs. estimated current construction cost including this supplemental request, is 20.8%. The design percentage exceeds the typical expected percentage; however, it is reflective of the increased level of effort required during the design phase and is offset by the reduction in the estimated construction cost savings of \$258,000 due to the removal of the detention storage along Stearns School Road and the cost participation of the local partners.

The contract had a 20% DBE goal and a 3.0% VET goal. The prime committed to meeting 38.49% DBE goal and 6.60% VET goal. 41.1% of the supplement amount is to address additional work performed by the DBE firms on the project. 21.0% of the supplement amount is to address additional work performed by the veteran-owned firm on the project. Overall, the DBE and VET commitments are expected to be 38.49% and 6.6% respectively. The actual DBE and VET spend on the project is 40.18% and 7.00%.

The consultant's performance evaluation exceeds expectations and is noted to have demonstrated a great knowledge of the assigned scope of work and have successfully coordinated with other agencies/municipalities to ensure meeting all parties' expectations. The consultant has provided timely responses to all of the Tollway and outside agency's requests.

PSB 18-2, Item 2 described the work as Phase II engineering services required for the preparation of contract plans and specifications for the proposed reconstruction and widening of the Stearns School Road Bridge over the Tri-State Tollway at (M.P. 7.5) in Lake County, Illinois. The description of the project in the PSB and subsequent negotiations did not include the additional work noted in this SSS. Also, the Intergovernmental Agreements (IGA) dated November 22, 1999 between the County of Lake and the Illinois Tollway and another dated May 15, 2000 between the County of Lake and the Village of Gurnee discusses the funding responsibilities for improvements related to SSR. This language is located on pages 10-12 of the November 22nd, 1999 IGA and page 4 of the May 15th, 2000 IGA for reference.

3.0 Alternatives

Alternative #1: Do Nothing.

While this alternative is always an option it is not recommended. The project is required to supply the replacement of the bridge which is reaching its end of service life, and to lengthen

the crossroad to accommodate the addition of a future travel lane in each direction on I-94. A portion of the additional construction costs will be paid for by the municipalities. While the project can be completed without the added work, LCDOT and Village of Gurnee were very interested in performing the added work provided as justification for this supplement request. The designer is in the best position to perform it efficiently and cost effectively.

Alternative #2: Allow DCM or another designer to perform this work.

Not recommended. The design is currently at 95% completion and it is in the Tollway's best interest to utilize its existing designer (DSE) to perform the added work. The designer has performed well to date. Coordination with the County and Village is an important component of this project and the DSE has established a good working relationship. Another separate contract will create responsibility issues with respect to sealing of design plans and responsibility during construction.

Alternative #3: Solicit this work on a new Professional Services Bulletin.

Not recommended. This contract is to prepare a construction contract scheduled for advertisement in June 2020. Soliciting this work on a new Professional Services Bulletin potentially creates similar issues as identified in Alternative #2 if the current DSE is not reselected and regardless delays the design and construction schedules for this project, leading to expected increased costs.

4.0 Recommendation

Engineering recommends supplementing the existing design services contract with STV Incorporated in the amount of \$169,995.15 to perform the additional work. This recommendation is the best alternative with respect to overall expected cost and efficiency in implementation of this project. It is noted that the added costs will be reimbursed to the Tollway via IGA's with the local partners.

5.0 Impact on Funding

The additional funding of \$169,995.15 for this supplement request will be funded from MI-TS-09, Tri-State Tollway Bridge and Ramp Repairs.

Expenditures	2018	2019	2020	TOTAL
Current	\$105,309	\$1,200,542	\$469,037	\$1,774,888
Proposed	\$105,309	\$1,200,542	\$639,032	\$1,944,883

6.0 Actions Required

Action	Responsible Party
1. Approval of Staff Summary Sheet	As noted,
2. Tollway Board Approval	Chief Engineering Officer
3.	
4.	
5.	

Appendix

Draft Engineer's Estimate dated April 2, 2020 (IGA Breakdown)
IGA Dated November 22, 1999, pages 10-12
IGA Dated May 15, 2000, page 4

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY



STEARNS SCHOOL ROAD BRIDGE RECONSTRUCTION
 TRISTATE TOLLWAY (I-294)
 CONTRACT NO. RR-18-4382
 FINAL (100%) IGA ENGINEER'S ESTIMATE (Breakdown)
 PREPARED BY DSE: BRAVO COMPANY ENGINEERING, INC.

SUBMITTED ON :
 BIDS DUE :
 START DATE :
 MID-POINT :
 FINISH DATE :

SN	PAYITEM NO.	DESCRIPTION	UNIT	QUANTITY	GURNEE QUANTITY	LCDDT QUANTITY	TOLLWAY QUANTITY	Unit Costs	Gurnee Costs	LCDDT costs	Tollway costs	Total
**	20100310	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	35		35		\$15.00	\$525.00	\$525.00	\$0.00	\$525.00
**	20100350	TREE REMOVAL ACRE	ACRE	0.20		0.20		\$30.00	\$6.00	\$6.00	\$0.00	\$12.00
**	07001000	EARTH EXCAVATION	CU YD	9,289	424	1,697	7,149	\$25.00	\$232,225.00	\$42,425.00	\$179,800.00	\$231,650.00
**	20800150	TRENCH BACKFILL	CU YD	190		179	11	\$45.00	\$8,550.00	\$0.00	\$8,025.00	\$8,550.00
**	20900110	FORGUS GRANULAR BACKFILL	CU YD	381		394		\$55.00	\$21,055.00	\$0.00	\$19,285.00	\$19,285.00
**	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	8,549		8,549		\$2.25	\$19,235.25	\$0.00	\$0.00	\$19,235.25
**	21101535	TRENCH EXCAVATION AND REPLACEMENT	CU YD	3,025	888	1,399	717	\$25.00	\$75,625.00	\$34,825.00	\$17,935.00	\$75,900.00
**	21400100	GRADING AND SHAPING DITCHES	FOOT	170		170		\$12.00	\$2,040.00	\$0.00	\$0.00	\$2,040.00
**	25000310	SEEDING, CLASS 1A	ACRE	0.75		0.75		\$3,690.00	\$2,767.50	\$2,825.00	\$0.00	\$2,825.00
**	25000330	SEEDING, CLASS 3	ACRE	1.20		1.20		\$2,500.00	\$3,000.00	\$3,780.00	\$0.00	\$3,780.00
**	25000314	SEEDING, CLASS 4B	ACRE	0.25		0.25		\$5,990.00	\$1,497.50	\$1,250.00	\$0.00	\$1,250.00
**	25000320	SEEDING, CLASS 5	ACRE	1.20		1.20		\$6,000.00	\$7,200.00	\$7,500.00	\$0.00	\$7,500.00
**	25000324	SEEDING, CLASS 5B	ACRE	0.20		0.20		\$5,000.00	\$1,000.00	\$2,500.00	\$0.00	\$2,500.00
**	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	114		60	54	\$3.50	\$399.00	\$210.00	\$189.00	\$399.00
**	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	542		180	182	\$3.80	\$2,059.60	\$684.00	\$697.20	\$1,107.00
**	25100315	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	20,442		20,442		\$20.00	\$408,840.00	\$0.00	\$0.00	\$408,840.00
**	28000305	TEMPORARY DITCH CHECKS	FOOT	101		101		\$13.00	\$1,313.00	\$0.00	\$0.00	\$1,313.00
**	28000500	INLET AND PIPE PROTECTION	EACH	83		80		\$180.00	\$14,940.00	\$0.00	\$5,280.00	\$15,220.00
**	28100705	STONE DUMPED RIPRAP CLASS A2	SQ YD	51		51		\$45.00	\$2,295.00	\$0.00	\$0.00	\$2,295.00
**	28100707	STONE DUMPED RIPRAP CLASS A4	SQ YD	40		40		\$85.00	\$3,400.00	\$0.00	\$0.00	\$3,400.00
**	28200200	FILTER FABRIC	SQ YD	203		113	90	\$5.00	\$1,015.00	\$565.00	\$450.00	\$1,015.00
D1	30000112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	8,549		8,549		\$15.00	\$128,235.00	\$0.00	\$0.00	\$128,235.00
**	35101800	AGGREGATE BASE COURSE TYPE B 10"	SQ YD	5,791	5,791			\$12.00	\$69,492.00	\$0.00	\$0.00	\$69,492.00
**	40000305	HOT MIX ASPHALT BINDER COURSE, 1 1/2", 47%	TON	3,692		3,692		\$60.00	\$221,520.00	\$0.00	\$0.00	\$221,520.00
**	40000340	HOT MIX ASPHALT SURFACE COURSE, MAX. 1", 47%	TON	1,305	1,189	197		\$105.00	\$137,025.00	\$20,665.00	\$0.00	\$137,025.00
**	42000350	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	106			106	\$200.00	\$21,200.00	\$0.00	\$0.00	\$21,200.00
**	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	10,575	2,111	8,461		\$5.00	\$52,875.00	\$42,375.00	\$0.00	\$52,875.00
**	42400350	DETECTABLE WARNINGS	SQ FT	32	32			\$60.00	\$1,920.00	\$0.00	\$0.00	\$1,920.00
**	44000100	PAVEMENT REMOVAL	SQ YD	5,424		5,424		\$15.00	\$81,360.00	\$0.00	\$0.00	\$81,360.00
**	44000350	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,588		2,588		\$10.00	\$25,880.00	\$0.00	\$0.00	\$25,880.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY



STEARNS SCHOOL ROAD BRIDGE RECONSTRUCTION
 TRISTATE TOLLWAY (I-294)
 CONTRACT NO. RR-18-4382
 FINAL (100%) IGA ENGINEER'S ESTIMATE (Breakdown)
 PREPARED BY DSE: BRAVO COMPANY ENGINEERING, INC.

SUBMITTED ON :
 BIDS DUE :
 START DATE :
 MID-POINT :
 FINISH DATE :

SN	PAYITEM NO.	DESCRIPTION	UNIT	QUANTITY	GURNEE QUANTITY	LCDOT QUANTITY	TOLLWAY QUANTITY	Unit Costs	Gurnee Costs	LCDOT costs	Tollway costs	TOTAL
	44002600	SIDEWALK REMOVAL	SQ FT	21,486	21,486			\$7.00	\$64,336.00	\$0.00	\$0.00	\$64,336.00
	44001880	CONCRETE BARRIER REMOVAL	FOOT	340			340	\$35.00	\$0.00	\$0.00	\$32,900.00	\$32,900.00
	44004000	PAVED DITCH REMOVAL	FOOT	30			30	\$15.00	\$0.00	\$0.00	\$750.00	\$750.00
	44004250	PAVED SHOULDER REMOVAL	SQ YD	1,664			1,664	\$12.00	\$0.00	\$0.00	\$22,368.00	\$22,368.00
	50100300	REMOVAL OF EXISTING STRUCTURES	EACH	1		0.25	0.75	\$627,350.00	\$0.00	\$156,637.50	\$470,432.50	\$627,350.00
	50104400	CONCRETE HEADWALL REMOVAL	EACH	10		0	10	\$1,200.00	\$0.00	\$10,800.00	\$12,000.00	\$22,800.00
	50105200	PIPE CULVERT REMOVAL	FOOT	256			256	\$13.00	\$0.00	\$0.00	\$3,328.00	\$3,328.00
	50157300	PROTECTIVE SHIELD	SQ YD	1,303			1,303	\$30.00	\$0.00	\$0.00	\$39,090.00	\$39,090.00
	50200300	STRUCTURE EXCAVATION	CJ YD	546			546	\$40.00	\$0.00	\$0.00	\$21,840.00	\$21,840.00
	50300225	CONCRETE STRUCTURES	CJ YD	415.0	64.1	85.3	275.5	\$660.00	\$39,690.00	\$56,410.00	\$175,825.00	\$270,335.00
	50300255	CONCRETE SUPERSTRUCTURE	CJ YD	947.2	166.2	68.62		\$625.00	\$177,332.50	\$561,806.25	\$0.00	\$898,140.00
	50300300	PROTECTIVE COAT	SQ YD	2,632	589	2,133		\$2.50	\$1,747.50	\$5,332.15	\$0.00	\$7,084.00
	50401340	TURNISHING AND ERRECTING PRECAST PRESTRESSED CONCRETE BEAMS, 18x3	FOOT	2,500	279	539	1,692	\$580.00	\$153,450.00	\$305,800.00	\$919,050.00	\$1,378,300.00
	50600205	REINFORCEMENT BARS, EPOXY COATED	POUND	283,650	52,864	191,996	38,790	\$1.30	\$36,873.20	\$249,584.40	\$51,072.00	\$398,745.00
	50801750	PARAPET RAILING	FOOT	340			340	\$100.00	\$0.00	\$34,000.00	\$0.00	\$34,000.00
	51100100	SLOPE WALL, 6 INCH	SQ YD	751			751	\$120.00	\$0.00	\$0.00	\$90,120.00	\$90,120.00
	51202005	DRIVING PILES	FOOT	4,836	889	402	3,545	\$1.00	\$495.00	\$462.00	\$3,500.00	\$4,457.00
	51203000	TEST PILE METAL SHELLS	EACH	3			3	\$12,000.00	\$0.00	\$0.00	\$36,000.00	\$36,000.00
	51501000	NAME PLATES	EACH	2			1	\$550.00	\$0.00	\$550.00	\$550.00	\$1,100.00
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	126	21	103.0		\$200.00	\$4,800.00	\$20,600.00	\$0.00	\$25,200.00
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	701			701	\$0.00	\$0.00	\$0.00	\$35,050.00	\$35,050.00
	54201215	CONCRETE END SECTION, STANDARD 542001, 19', 1:2	EACH	1			1	\$1,600.00	\$0.00	\$1,000.00	\$0.00	\$1,600.00
	54201218	CONCRETE END SECTION, STANDARD 542001, 19', 1:2	EACH	1			1	\$1,500.00	\$0.00	\$1,000.00	\$0.00	\$1,500.00
	54201315	CONCRETE END SECTION, STANDARD 542001, 19', 1:3	EACH	2			2	\$1,000.00	\$0.00	\$2,000.00	\$0.00	\$2,000.00
	54201318	CONCRETE END SECTION, STANDARD 542001, 19', 1:4	EACH	1			1	\$1,800.00	\$0.00	\$1,800.00	\$0.00	\$1,800.00
	54201924	CONCRETE END SECTION, STANDARD 542001, 24', 1:8	EACH	1			1	\$2,400.00	\$0.00	\$2,400.00	\$0.00	\$2,400.00
	556A0380	STORM SEWERS, CLASS A, TYPE 2, 12"	FOOT	1,084		1,084		\$80.00	\$0.00	\$84,200.00	\$0.00	\$84,200.00
	556A0380	STORM SEWERS, CLASS A, TYPE 2, 18"	FOOT	207		211	78	\$64.00	\$0.00	\$13,804.00	\$4,864.00	\$18,368.00
	556A0380	STORM SEWERS, CLASS A, TYPE 2, 18"	FOOT	105		94	44	\$66.00	\$0.00	\$4,224.00	\$2,804.00	\$7,128.00
	560A0410	STORM SEWERS, CLASS A, TYPE 2, 24"	FOOT	334		334		\$85.00	\$0.00	\$28,390.00	\$0.00	\$28,390.00

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SUBMITTED ON :
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SN	PAYITEM NO.	DESCRIPTION	UNIT	QUANTITY	GORNER QUANTITY	LCDDT QUANTITY	TOLLWAY QUANTITY	Unit Costs	Gorner Costs	LCDDT costs	Tollway costs	Total
	550A0430	STORM SEWERS, CLASS A, TYPE 2, 36"	FOOT	23			23	\$165.00	\$3,795.00	\$0.00	\$3,795.00	\$3,795.00
	550A0450	STORM SEWERS, CLASS A, TYPE 2, 36"	FOOT	196			196	\$110.00	\$21,560.00	\$0.00	\$21,560.00	\$21,560.00
	550A0580	STORM SEWERS, CLASS A, TYPE 3 EQUIVALENT ROUND SIZE, 42"	FOOT	107			107	\$160.00	\$17,120.00	\$0.00	\$17,120.00	\$17,120.00
	55100000	STORM SEWER REMOVAL, 12"	FOOT	738		738		\$12.00	\$8,856.00	\$8,856.00	\$0.00	\$8,856.00
	55100020	STORM SEWER REMOVAL, 18"	FOOT	110		80	30	\$15.00	\$1,650.00	\$1,200.00	\$450.00	\$1,750.00
	55100900	STORM SEWER REMOVAL, 18"	FOOT	83		83		\$26.00	\$2,158.00	\$2,158.00	\$0.00	\$2,158.00
	58700000	CONCRETE BSALER	SQ FT	2,853		2,853		\$3.00	\$8,559.00	\$8,559.00	\$0.00	\$8,559.00
	59100100	GEOCOPOSITE WALL DRAIN	SQ YD	164		164		\$25.00	\$4,100.00	\$4,100.00	\$0.00	\$4,100.00
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4		4		\$90.00	\$360.00	\$360.00	\$0.00	\$360.00
	60107600	PIPE UNDERDRAINS, 4"	FOOT	2,744		2,744		\$20.00	\$54,880.00	\$54,880.00	\$0.00	\$54,880.00
	60108100	PIPE UNDERDRAINS, 4" (SPECIAL)	FOOT	27		27		\$32.00	\$864.00	\$864.00	\$0.00	\$864.00
	60200800	CATCH BASINS, TYPE A, 1/2" DIAMETER, TYPE 8 GRATE	EACH	2		2		\$3,000.00	\$6,000.00	\$6,000.00	\$0.00	\$6,000.00
	60201340	CATCH BASINS, TYPE A, 1/2" DIAMETER, TYPE 24 FRAME AND GRATE	EACH	25		25		\$2,680.00	\$67,000.00	\$67,000.00	\$0.00	\$67,000.00
	60218400	MANHOLES, TYPE A, 1/2" DIAMETER, TYPE 1 FRAME, CLOSED UID	EACH	2		2		\$2,750.00	\$5,500.00	\$5,500.00	\$0.00	\$5,500.00
	60221100	MANHOLES, TYPE A, 1/2" DIAMETER, TYPE 1 FRAME, CLOSED UID	EACH	4		2	2	\$3,880.00	\$15,520.00	\$7,760.00	\$7,760.00	\$15,520.00
	60223800	MANHOLES, TYPE A, 1/2" DIAMETER, TYPE 1 FRAME, CLOSED UID	EACH	1		1		\$5,500.00	\$5,500.00	\$5,500.00	\$0.00	\$5,500.00
	60224440	MANHOLES, TYPE A, 1/2" DIAMETER, TYPE 1 FRAME, CLOSED UID	EACH	3		2	1	\$9,380.00	\$28,140.00	\$18,760.00	\$9,380.00	\$18,760.00
	60260000	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN UID	EACH	1		1		\$780.00	\$780.00	\$780.00	\$0.00	\$780.00
	60500060	REMOVING CATCH BASINS	EACH	1		1		\$450.00	\$450.00	\$450.00	\$0.00	\$450.00
	60900000	REMOVING INLETS	EACH	14		13	1	\$375.00	\$5,250.00	\$4,875.00	\$375.00	\$5,250.00
	60900060	CONCRETE CURB, TYPE 9	FOOT	95	95			\$28.00	\$2,660.00	\$2,660.00	\$0.00	\$2,660.00
	60600000	COMBINATION CONCRETE CURB AND GUTTER, TYPE 24/24	FOOT	4,670		4,670		\$30.00	\$140,100.00	\$140,100.00	\$0.00	\$140,100.00
	61000060	CONCRETE THROST BLOCKS	EACH	2		2		\$95.00	\$190.00	\$190.00	\$0.00	\$190.00
	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2,513		2,513		\$22.00	\$55,286.00	\$55,286.00	\$0.00	\$55,286.00
	63000030	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	1,307		1,307		\$23.00	\$30,061.00	\$30,061.00	\$0.00	\$30,061.00
	63100035	TRAFFIC SAFEBAR TERMINAL, TYPE 5	EACH	4		4		\$2,700.00	\$10,800.00	\$10,800.00	\$0.00	\$10,800.00
	63100167	TRAFFIC SAFEBAR TERMINAL, TYPE 1 (SPECIAL) TANSSEN	EACH	4		4		\$2,400.00	\$9,600.00	\$9,600.00	\$0.00	\$9,600.00
	63200010	GUARDRAIL REMOVAL	FOOT	2,075		1,765	313	\$8.00	\$16,600.00	\$14,120.00	\$2,500.00	\$16,600.00
	66801002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	3		3		\$1,280.00	\$3,840.00	\$3,840.00	\$0.00	\$3,840.00
	70103915	TRAFFIC CONTROL SURVEILLANCE	CAL DA	90		90		\$200.00	\$18,000.00	\$18,000.00	\$0.00	\$18,000.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY



STEARNS SCHOOL ROAD BRIDGE RECONSTRUCTION
 TRI-STATE TOLLWAY (I-294)
 CONTRACT NO. RR-18-4382
 FINAL (100%) IGA ENGINEER'S ESTIMATE (Breakdown)
 PREPARED BY DSE: BRAVO COMPANY ENGINEERING, INC.

SUBMITTED ON :
 BIDS DUE :
 START DATE :
 MID-POINT :
 FINISH DATE :

SN	PAVITEM NO.	DESCRIPTION	UNIT	QUANTITY	QUANTEE QUANTITY	LCOST QUANTITY	TOLLWAY QUANTITY	Unit Costs	Quantee Costs	LCOST costs	Tollway costs	Total
BDE	70300004	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	22,338			22,338	\$1.14	\$0.00	\$0.00	\$24,571.90	\$24,571.90
BDE	70300008	PAVEMENT MARKING TAPE, TYPE IV 8"	FOOT	1,071			1,071	\$2.00	\$0.00	\$0.00	\$2,142.00	\$2,142.00
	70900080	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	4			4	\$10,000.00	\$0.00	\$0.00	\$40,000.00	\$40,000.00
	70900070	IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3	EACH	2			2	\$7,200.00	\$0.00	\$0.00	\$14,400.00	\$14,400.00
	72000100	SIGN PANEL - TYPE 1	SQ FT	16			16	\$250.00	\$0.00	\$4,000.00	\$0.00	\$4,000.00
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2			2	\$250.00	\$0.00	\$500.00	\$0.00	\$500.00
	73400010	REMOVE SIGN PANEL - TYPE 1	SQ FT	12			12	\$20.00	\$0.00	\$0.00	\$240.00	\$240.00
	73400020	REMOVE SIGN PANEL - TYPE 2	SQ FT	82			82	\$15.00	\$0.00	\$0.00	\$930.00	\$930.00
	73400030	REMOVE SIGN PANEL - TYPE 3	SQ FT	83			83	\$10.00	\$0.00	\$0.00	\$830.00	\$830.00
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	45		36	9	\$20.00	\$0.00	\$720.00	-\$180.00	\$900.00
	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	41		31	9	\$20.00	\$0.00	\$220.00	\$90.00	\$810.00
	72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	63		53	10	\$20.00	\$0.00	\$0.00	\$1,260.00	\$1,260.00
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	150		122	28	\$18.00	\$0.00	\$2,160.00	\$532.00	\$2,692.00
	73000100	WOOD SIGN SUPPORT	FOOT	39		36	3	\$25.00	\$0.00	\$0.00	\$900.00	\$900.00
	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	2		2	2	\$275.00	\$0.00	\$0.00	\$550.00	\$550.00
	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	8		4	4	\$150.00	\$0.00	\$0.00	\$900.00	\$900.00
	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37		37	37	\$3.59	\$0.00	\$203.84	\$0.00	\$203.84
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,914		6,914	6,914	\$1.25	\$0.00	\$8,642.50	\$0.00	\$8,642.50
	78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	3,538		3,538	3,538	\$0.75	\$0.00	\$2,653.50	\$0.00	\$2,653.50
	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	162		162	162	\$1.59	\$0.00	\$248.00	\$0.00	\$248.00
	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	770		770	770	\$3.89	\$0.00	\$2,985.00	\$0.00	\$2,985.00
	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	24		24	24	\$8.59	\$0.00	\$166.00	\$0.00	\$166.00
	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1,387		1,387	1,387	\$3.19	\$0.00	\$4,415.00	\$0.00	\$4,415.00
	78008220	POLYUREA PAVEMENT MARKING TYPE I - LINE 5"	FOOT	894		894	894	\$8.00	\$0.00	\$4,764.00	\$0.00	\$4,764.00
	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	66		66	66	\$7.75	\$0.00	\$527.00	\$0.00	\$527.00
	81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA, PVC	FOOT	340	68	272	340	\$20.00	\$1,360.00	\$8,440.00	\$0.00	\$8,800.00
	81300250	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2		2	2	\$1,700.00	\$0.00	\$3,400.00	\$0.00	\$3,400.00
	81400100	HANDHOLE	EACH	4		4	4	\$1,850.00	\$0.00	\$7,400.00	\$0.00	\$7,400.00
	81800200	AERIAL CABLE, 24/10G, 4 WITH MESSENGER WIRE	FOOT	1,045		1,045	1,045	\$8.00	\$0.00	\$0.00	\$8,360.00	\$8,360.00
	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2	2	\$7,800.00	\$0.00	\$15,600.00	\$0.00	\$15,600.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY



STEARNS SCHOOL ROAD BRIDGE RECONSTRUCTION
 TRISTATE TOLLWAY (I-294)
 CONTRACT NO. RR-18-4382
 FINAL (100%) IGA ENGINEER'S ESTIMATE (Breakdown)
 PREPARED BY DSE: BRAVO COMPANY ENGINEERING, INC.

SUBMITTED ON :
 BIDS DUE :
 START DATE :
 MID-POINT :
 FINISH DATE :

SN	PAYITEM NO.	DESCRIPTION	UNIT	QUANTITY	GORNER QUANTITY	LCDDT QUANTITY	TOLLWAY QUANTITY	Unit Costs	Gorner Costs	LCDDT costs	Tollway costs	Total
	8710020	FIBROPTIC CABLE IN CONDUIT, NO. 62/4125, MM12F, SM12F	FOOT	2,377		2,377		\$3.00	\$0.00	\$7,131.00	\$0.00	\$7,131.00
	8730025	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14-1C	FOOT	2,377		2,377		\$1.00	\$0.00	\$2,377.00	\$0.00	\$2,377.00
	8802380	REMOVE EXISTING HATCHOLE	EACH	5		5		\$80.00	\$0.00	\$400.00	\$0.00	\$400.00
	X0324588	ROD AND CLEAN EXISTING CONDUIT	FOOT	595		595		\$5.00	\$0.00	\$2,975.00	\$0.00	\$2,975.00
	X0326884	PLUG EXISTING STORM SEWERS	CU YD	5		5		\$750.00	\$0.00	\$3,750.00	\$0.00	\$3,750.00
	X0327357	CONSTRUCTION VIBRATION MONITORING	L.SUM	1		1		\$15,000.00	\$0.00	\$15,000.00	\$0.00	\$15,000.00
	X0800648	FURNISHING METAL SHELL PILES 18" X 21/2"	FOOT	4,458	888	448	3,570	\$75.00	\$67,185.00	\$34,885.00	\$32,300.00	\$34,885.00
	X1401145	RADAR SPEED SIGN	EACH	2		2		\$8,500.00	\$0.00	\$17,000.00	\$0.00	\$17,000.00
	X3800480	PERIMETER EROSION BARRIER, SPECIAL	FOOT	4,188		4,188		\$3.75	\$0.00	\$15,697.50	\$0.00	\$15,697.50
GBSP	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,381		1,381		\$6.00	\$0.00	\$8,286.00	\$0.00	\$8,286.00
GBSP	X5030353	CONCRETE WEAVING SURFACE 8"	SQ YD	427	84	343		\$115.00	\$39,605.00	\$39,445.00	\$0.00	\$49,105.00
	X5040100	PRECAST BRIDGE APPROACH SLAB	SQ FT	3,840	751	3,089		\$35.00	\$28,285.00	\$108,115.00	\$0.00	\$136,400.00
	X5091725	BICYCLE RAILING, SPECIAL	FOOT	1,243	1,243			\$100.00	\$124,300.00	\$0.00	\$0.00	\$124,300.00
	X7300105	WOOD SIGN SUPPORT, SPECIAL	FOOT	28		28		\$25.00	\$0.00	\$700.00	\$0.00	\$700.00
LCDDT	X7830086	GROOMING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	38		38		\$8.00	\$0.00	\$304.00	\$0.00	\$304.00
LCDDT	X7830076	GROOMING FOR RECESSED PAVEMENT MARKING 5"	FOOT	8,301		8,301		\$0.95	\$0.00	\$7,885.95	\$0.00	\$7,885.95
LCDDT	X7830072	GROOMING FOR RECESSED PAVEMENT MARKING 6"	FOOT	4,231		4,231		\$1.98	\$0.00	\$8,378.45	\$0.00	\$8,378.45
LCDDT	X7830074	GROOMING FOR RECESSED PAVEMENT MARKING 7"	FOOT	182		182		\$1.28	\$0.00	\$232.96	\$0.00	\$232.96
LCDDT	X7830078	GROOMING FOR RECESSED PAVEMENT MARKING 13"	FOOT	538		538		\$5.75	\$0.00	\$3,085.75	\$0.00	\$3,085.75
LCDDT	X7830080	GROOMING FOR RECESSED PAVEMENT MARKING 25"	FOOT	24		24		\$11.00	\$0.00	\$264.00	\$0.00	\$264.00
	X8100106	CONDUIT SPLICE	EACH	2		2		\$500.00	\$0.00	\$1,000.00	\$0.00	\$1,000.00
	X8130125	REMOVE EXISTING JUNCTION BOX	EACH	2		2		\$485.00	\$0.00	\$970.00	\$0.00	\$970.00
	X8900010	TEMPORARY TRAFFIC SIGNAL INTERCONNECT	EACH	1		1		\$10,000.00	\$0.00	\$10,000.00	\$0.00	\$10,000.00
	X0000726	TEMPORARY RIPRAP	TON	44		44		\$80.00	\$0.00	\$3,520.00	\$0.00	\$3,520.00
	X0007709	CONDUIT IN GROUND, 2" DIA., GALVANIZED STEEL	FOOT	1,857		1,857		\$15.00	\$0.00	\$27,855.00	\$0.00	\$27,855.00
	Z0091124	STEEL RAILING (SPECIAL)	FOOT	672	404	268		\$400.00	\$262,600.00	\$108,240.00	\$0.00	\$268,800.00
	Z0016702	DETOUR SIGNING	L.SUM	1		1		\$15,000.00	\$0.00	\$15,000.00	\$0.00	\$15,000.00
	Z0022910	FENCE REMOVAL (SPECIAL)	FOOT	878	878			\$10.00	\$8,780.00	\$0.00	\$0.00	\$8,780.00
GBSP	Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,615		1,615		\$1.00	\$0.00	\$2,588.00	\$0.00	\$2,588.00
	Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	1,038		300	1,038	\$5.00	\$0.00	\$1,690.00	\$5,940.00	\$8,190.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY



STEARNS SCHOOL ROAD BRIDGE RECONSTRUCTION
 TRISTATE TOLLWAY (I-294)
 CONTRACT NO. RR-18-4382
 FINAL (100%) IGA ENGINEER'S ESTIMATE (Breakdown)
 PREPARED BY DSE: BRAVO COMPANY ENGINEERING, INC.

SUBMITTED ON :
 BIDS DUE :
 START DATE :
 MID-POINT :
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SN	PAYITEM NO.	DESCRIPTION	UNIT	QUANTITY	GURNEE QUANTITY	LEDOT QUANTITY	TOLLWAY QUANTITY	Unit Costs	Gurnee Costs	LEDOT costs	Tollway costs	Total
088P	Z004634	PIPE UNDERDRAINS FOR STRUCTURE 4"	FOOT	170			170	\$30.00	\$0.00	\$0.00	\$5,100.00	\$5,100.00
	Z005895	TEMPORARY CONSTRUCTION FENCE	FOOT	1,000			1,000	\$10.00	\$0.00	\$0.00	\$10,000.00	\$10,000.00
	J42318	TREE, ROUND PSEUDODAGUA PURPLE ROBE (PURPLE ROBE BLACKGLOBUS), 1/2" CAL PER, BALLED AND BURLAPPED	EACH	190		190		\$300.00	\$0.00	\$45,000.00	\$0.00	\$45,000.00
	J121112	TOPSOIL, EXCAVATION AND DISPOSAL	CJ YD	1,340	522	784	84	\$25.00	\$13,050.00	\$19,600.00	\$359.00	\$33,500.00
	J121304	EXPLORATION TRENCH, UTILITIES (HAND EXCAVATION)	FOOT	180			180	\$27.00	\$0.00	\$0.00	\$7,560.00	\$7,560.00
	J121306	EXPLORATION TRENCH, UTILITIES (VACUUM EXCAVATION)	FOOT	75			75	\$65.00	\$0.00	\$0.00	\$4,875.00	\$4,875.00
	J1251915	EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	8,987			8,987	\$3.00	\$0.00	\$0.00	\$17,334.00	\$17,334.00
	J1251915	HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	8,987			8,987	\$2.50	\$0.00	\$0.00	\$22,417.50	\$22,417.50
	J409107	ASPHALT TACK COAT	ROUND	1,540			1,540	\$2.00	\$0.00	\$0.00	\$3,080.00	\$3,080.00
	J407180	WARM MIX ASPHALT PAVEMENT, (FULL DEPTH), 10"	SQ YD	2,381			2,381	\$60.00	\$0.00	\$0.00	\$142,860.00	\$142,860.00
	J441135	AGGREGATE SHOULDERS WITH FILTER FABRIC, TYPE B 4"	SQ YD	392			392	\$15.00	\$0.00	\$0.00	\$5,880.00	\$5,880.00
	J442104	WARM MIX ASPHALT SHOULDERS (8 IN.)	SQ YD	474			474	\$40.00	\$0.00	\$0.00	\$18,960.00	\$18,960.00
	J401300	PIPE UNDERDRAINS, 6" (SPECIAL)	FOOT	190			190	\$22.00	\$0.00	\$0.00	\$4,178.00	\$4,178.00
	J401320	PIPE UNDERDRAINS, FABRIC LINED TRENCH 6"	FOOT	1,617			1,617	\$20.00	\$0.00	\$0.00	\$32,340.00	\$32,340.00
	J1602201	CATCH BASINS, TYPE C, TYPE 20A FRAME AND GRATE	EACH	2			2	\$2,590.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00
	J1606020	GUTTER, TYPE G-3	FOOT	322			322	\$46.00	\$0.00	\$0.00	\$14,812.00	\$14,812.00
	J1609280	CONCRETE GUTTER (SPECIAL)	FOOT	131			131	\$59.00	\$0.00	\$0.00	\$7,659.00	\$7,659.00
	J1635010	ROADWAY DELINEATORS	EACH	15			15	\$30.00	\$0.00	\$0.00	\$450.00	\$450.00
	J1635012	REMOVE AND REINSTALL ROADWAY DELINEATORS	EACH	2			2	\$36.00	\$0.00	\$0.00	\$72.00	\$72.00
	J1637017	CONCRETE BARRIER BASE (SPECIAL)	FOOT	43			43	\$160.00	\$0.00	\$0.00	\$6,880.00	\$6,880.00
	J1637002	CONCRETE BARRIER BASE, 7"	FOOT	129			129	\$90.00	\$0.00	\$0.00	\$11,610.00	\$11,610.00
	J1637060	CONCRETE BARRIER TRANSITION, SPECIAL	FOOT	43			43	\$325.00	\$0.00	\$0.00	\$13,975.00	\$13,975.00
	J1642014	ASPHALT SHOULDER RUMBLE STRIP, 1/8 INCH	FOOT	1,926			1,926	\$4.00	\$0.00	\$0.00	\$7,704.00	\$7,704.00
	J1664305	RIGHT-OF-WAY FENCE, TYPE 1, 5'	FOOT	195			195	\$20.00	\$0.00	\$0.00	\$3,900.00	\$3,900.00
	J1664310	CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	5			5	\$80.00	\$0.00	\$0.00	\$4,000.00	\$4,000.00
	J1664400	RIGHT-OF-WAY FENCE REMOVAL	FOOT	245			245	\$6.00	\$0.00	\$0.00	\$1,470.00	\$1,470.00
	J1880002	HEADWALL TYPE III, 18"	EACH	1			1	\$2,200.00	\$0.00	\$0.00	\$2,200.00	\$2,200.00
	J1880200	HEADWALL TYPE III, 36", 1:2	EACH	2			2	\$7,600.00	\$0.00	\$0.00	\$15,200.00	\$15,200.00
	J1880002	HEADWALL TYPE III, 30", 1:1.5	EACH	1			1	\$8,200.00	\$0.00	\$0.00	\$8,200.00	\$8,200.00
	J1900082	HEADWALL TYPE IV, 42" EGRS, 1:4	EACH	1			1	\$4,900.00	\$0.00	\$0.00	\$4,900.00	\$4,900.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY



STEARNS SCHOOL ROAD BRIDGE RECONSTRUCTION
 TRISTATE TOLLWAY (I-294)
 CONTRACT NO. RR-18-4382
 FINAL (100%) IGA ENGINEER'S ESTIMATE (Breakdown)
 PREPARED BY DSE: BRAVO COMPANY ENGINEERING, INC.

SUBMITTED ON :
 BIDS DUE :
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SN	PAYITEM NO.	DESCRIPTION	UNIT	QUANTITY	GURNEE QUANTITY	LOGOIT QUANTITY	TOLLWAY QUANTITY	Unit Costs	Gurnee Costs	LOGOIT costs	Tollway costs	Total
**	J1680221	DOUBLE SLOPED HEADWALL TYPE III, 34", 1:4	EACH	5			5	\$2,500.00	\$0.00	\$0.00	\$12,500.00	\$12,500.00
**	J1703885	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	8,160			8,160	\$0.25	\$0.00	\$0.00	\$2,040.00	\$2,040.00
**	J1704005	TEMPORARY CONCRETE BARRIER	FOOT	2,975			2,975	\$25.00	\$0.00	\$0.00	\$71,875.00	\$71,875.00
**	J1704005	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,200			2,200	\$5.00	\$0.00	\$0.00	\$11,000.00	\$11,000.00
**	J1741010	RAISED PAVEMENT LANE MARKER REFLECTOR	EACH	914			914	\$17.00	\$0.00	\$0.00	\$15,538.00	\$15,538.00
**	J1762022	BARRIER WALL REFLECTORS, TYPE C	EACH	128			128	\$8.00	\$0.00	\$0.00	\$1,024.00	\$1,024.00
**	J811282	CONDUIT ATTACHED TO STRUCTURE, 3" DIA, STAINLESS STEEL	FOOT	48			48	\$77.00	\$0.00	\$0.00	\$3,696.00	\$3,696.00
**	J5107360	DUST CONTROL WATERING	LIMIT	1,000	500	500		\$40.00	\$0.00	\$20,000.00	\$20,000.00	\$20,000.00
**	J5126100	TRAILER MOUNTED FULL MATRIX PORTABLE CHANGEABLE MESSAGE SIGNS	EACH	3			3	\$5,350.00	\$0.00	\$0.00	\$16,050.00	\$16,050.00
**	J5126110	HEADWALL GRATES	POUND	3,377			3,377	\$5.25	\$0.00	\$0.00	\$17,729.25	\$17,729.25
**	J5250220	SEEDING, CLASS 3E	ACRE	0.29			0.29	\$2,800.00	\$0.00	\$0.00	\$1,400.00	\$1,400.00
**	J5250305	SEEDING, CLASS 3E	ACRE	1.50			1.50	\$2,800.00	\$0.00	\$0.00	\$4,200.00	\$4,200.00
**	J5250314	SEEDING, CLASS 4B	ACRE	0.29			0.29	\$2,800.00	\$0.00	\$0.00	\$1,400.00	\$1,400.00
**	J5250320	SEEDING, CLASS 5	ACRE	1.50			1.50	\$2,800.00	\$0.00	\$0.00	\$4,200.00	\$4,200.00
**	J5250324	SEEDING, CLASS 5B	ACRE	0.29			0.29	\$2,800.00	\$0.00	\$0.00	\$1,400.00	\$1,400.00
**	J5260020	MANAGEMENT OF EROSION AND SEDIMENT CONTROL	GAL MG	5		4	4	\$700.00	\$0.00	\$2,800.00	\$2,800.00	\$5,600.00
**	J5260076	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	1,000		1,000		\$38.00	\$0.00	\$0.00	\$38,000.00	\$38,000.00
**	J5261100	SUPER SILT FENCE	FOOT	225			225	\$10.00	\$0.00	\$0.00	\$2,250.00	\$2,250.00
**	J5261129	TREE PROTECTION	FOOT	200		200		\$6.00	\$0.00	\$1,200.00	\$0.00	\$1,200.00
**	J5261140	TEMPORARY RIPRAP	TON	95			95	\$70.00	\$0.00	\$0.00	\$6,650.00	\$6,650.00
**	J5261151	SAME-DAY STABILIZATION	SQ YD	1,000		500	500.00	\$0.75	\$0.00	\$375.00	\$375.00	\$750.00
**	J5261180	RECTANGULAR INLET PROTECTION	EACH	3		1	2	\$200.00	\$0.00	\$200.00	\$400.00	\$600.00
**	J5260219	FILTER FABRIC INLET PROTECTION, BASKET TYPE	EACH	4			4	\$20.00	\$0.00	\$0.00	\$80.00	\$80.00
**	J5260305	TEMPORARY DITCH CHECKS	FOOT	274			274	\$13.00	\$0.00	\$0.00	\$3,562.00	\$3,562.00
**	J5670000	FIELD OFFICE, TYPE C	GAL MG	12			12	\$3,200.00	\$0.00	\$0.00	\$38,400.00	\$38,400.00
**	J5671020	MOBILIZATION, TOLLWAY (MODIFIED)	L.SUM	1	0.06	0.54		\$540,000.00	\$94,000.00	\$184,400.00	\$291,600.00	\$540,000.00
**	J5701010	MAINTENANCE OF TRAFFIC	L.SUM	1		1.38		\$135,000.00	\$0.00	\$0.00	\$135,000.00	\$135,000.00
**	J5811032	CONDUIT ATTACHED TO STRUCTURE, 1" DIA, PVC COATED GALVANIZED STEEL	FOOT	289			289	\$36.00	\$0.00	\$0.00	\$10,404.00	\$10,404.00
**	J5811051	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA, PVC COATED GALVANIZED STEEL	FOOT	130			130	\$42.00	\$0.00	\$0.00	\$5,460.00	\$5,460.00
**	J5812040	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA, PVC OR COLLAPSE RESISTANT CONDUIT	FOOT	49			49	\$15.00	\$0.00	\$0.00	\$735.00	\$735.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY



STEARNS SCHOOL ROAD BRIDGE RECONSTRUCTION
 TRISTATE TOLLWAY (I-294)
 CONTRACT NO. RR-18-4382
 FINAL (100%) IGA ENGINEER'S ESTIMATE (Breakdown)
 PREPARED BY DSE: BRAVO COMPANY ENGINEERING, INC.

SUBMITTED ON :
 BIDS DUE :
 START DATE :
 MID-POINT :
 FINISH DATE :

SN	SYSTEM NO.	DESCRIPTION	UNIT	QUANTITY	QUOTED QUANTITY	LCOST QUANTITY	TOLLWAY QUANTITY	Unit Costs	Quoted Costs	LCOST costs	Tollway costs	Total
**	JS813001	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 20" X 12" X 8"	EACH	1			1	\$1,700.00	\$0.00	\$0.00	\$1,700.00	\$1,700.00
**	JS813022	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	4			4	\$900.00	\$0.00	\$0.00	\$3,600.00	\$3,600.00
**	JS813052	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4			4	\$800.00	\$0.00	\$0.00	\$3,200.00	\$3,200.00
**	JS813083	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 18" X 8"	EACH	1			1	\$1,850.00	\$0.00	\$0.00	\$1,850.00	\$1,850.00
**	JS816076	UNIT DUCT, WITH 4-1/2" NO. 2 AND 1-1/2" NO. 4 GROUND, RRRV (NLP-TYPE USE), 2' DIA., CNO	FOOT	655			655	\$15.00	\$0.00	\$0.00	\$9,825.00	\$9,825.00
**	JS817211	ELECTRIC CABLE IN CONDUIT, RRRV (NLP-TYPE USE) 1/2" NO. 10	FOOT	1,610			1,610	\$2.00	\$0.00	\$0.00	\$3,220.00	\$3,220.00
**	JS817214	ELECTRIC CABLE IN CONDUIT, RRRV (NLP-TYPE USE) 1/2" NO. 4	FOOT	45			45	\$3.00	\$0.00	\$0.00	\$135.00	\$135.00
**	JS817215	ELECTRIC CABLE IN CONDUIT, RRRV (NLP-TYPE USE) 1/2" NO. 2	FOOT	160			160	\$5.00	\$0.00	\$0.00	\$800.00	\$800.00
**	JS821100	LUMINAIRE, LED, HORIZONTAL, MOUNT	EACH	4			4	\$775.00	\$0.00	\$0.00	\$3,100.00	\$3,100.00
**	JS821110	UNDERPASS LUMINAIRE, LED	EACH	8			8	\$1,825.00	\$0.00	\$0.00	\$14,600.00	\$14,600.00
**	JS830030	TEMPORARY WOOD POLE, 80 FT., CLASS 4	EACH	4			4	\$2,190.00	\$0.00	\$0.00	\$8,760.00	\$8,760.00
**	JS830031	TEMPORARY WOOD POLE, 80 FT., CLASS 4, 15 FT. MAST ARM	EACH	4			4	\$2,300.00	\$0.00	\$0.00	\$9,200.00	\$9,200.00
**	JS830605	LIGHT POLE FOUNDATION (ROADWAY) MEDIAN, TYPE 1	EACH	2			2	\$6,800.00	\$0.00	\$0.00	\$13,600.00	\$13,600.00
**	JS842080	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	2			2	\$450.00	\$0.00	\$0.00	\$900.00	\$900.00
**	JS842105	POLE FOUNDATION, REMOVED	EACH	2			2	\$525.00	\$0.00	\$0.00	\$1,050.00	\$1,050.00
**	JS848001	MAINTENANCE LIGHTING SYSTEM	L.SUM	1			1	\$11,000.00	\$0.00	\$0.00	\$11,000.00	\$11,000.00
**	JT211A22	SUBGRADE AGGREGATE 19 IN.	CU YD	1,496			1,496	\$59.00	\$0.00	\$0.00	\$88,360.00	\$88,360.00
**	JT211A35	SUBGRADE AGGREGATE 21 IN.	CU YD	276			276	\$70.00	\$0.00	\$0.00	\$19,320.00	\$19,320.00
**	JT285055	ARTICULATED CONCRETE BLOCK REVESTMENT SYSTEM, TYPE 1	SQ YD	98			98	\$140.00	\$0.00	\$0.00	\$13,720.00	\$13,720.00
**	JT285056	ARTICULATED CONCRETE BLOCK REVESTMENT SYSTEM, TYPE 2	SQ YD	51			51	\$160.00	\$0.00	\$0.00	\$8,160.00	\$8,160.00
**	JT537015	CONCRETE MEDIAN BARRIER TRANSITION, TYPE 1/40'	FOOT	103			103	\$350.00	\$0.00	\$0.00	\$36,050.00	\$36,050.00
**	JT637105	CONCRETE BARRIER, DOUBLE FACE, 44 INCH	FOOT	27			27	\$250.00	\$0.00	\$0.00	\$6,750.00	\$6,750.00
**	JT695030	EARTHWORK CONSTRUCTION PLAN	L.SUM	1			1	\$12,500.00	\$0.00	\$0.00	\$12,500.00	\$12,500.00
**	JT695040	EARTHWORK FINAL CONSTRUCTION REPORT	L.SUM	1			1	\$8,500.00	\$0.00	\$0.00	\$8,500.00	\$8,500.00
**	JT701030	SUPPLEMENTAL BARRICADE	EACH/DAY	126			126	\$2.70	\$0.00	\$0.00	\$346.20	\$346.20
**	JT701031	SUPPLEMENTAL SIGNING	SQ. FT	200			200	\$16.00	\$0.00	\$0.00	\$3,200.00	\$3,200.00
**	JT701032	SUPPLEMENTAL ARROW BOARD (PER DAY)	EACH/DAY	80			80	\$10.00	\$0.00	\$0.00	\$800.00	\$800.00
**	JT701033	SUPPLEMENTAL ARROW BOARD (PER WEEK)	EACH/WEEK	12			12	\$70.00	\$0.00	\$0.00	\$840.00	\$840.00
**	JT701034	SUPPLEMENTAL ARROW BOARD (PER MONTH)	EACH/MONTH	8			8	\$200.00	\$0.00	\$0.00	\$1,600.00	\$1,600.00
**	JT701035	SUPPLEMENTAL MAINTENANCE OF TRAFFIC	DAY	39			39	\$60.00	\$0.00	\$0.00	\$2,340.00	\$2,340.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY



STEARNS SCHOOL ROAD BRIDGE RECONSTRUCTION
 TRB-STATE TOLLWAY (I-294)
 CONTRACT NO. RR-18-4382
 FINAL (100%) IGA ENGINEER'S ESTIMATE (Breakdown)
 PREPARED BY DSE: BRAVO COMPANY ENGINEERING, INC.

SUBMITTED ON :
 BIDS DUE :
 START DATE :
 MID-POINT :
 FINISH DATE :

SL#	PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	GURNEE QUANTITY	LOGOT QUANTITY	TOLLWAY QUANTITY	Unit Costs	Gurnee Costs	LOGOT costs	Tollway costs	TOTAL
+	JT701200	PORTABLE CHANGEABLE MESSAGE SIGN	CAL DAY	30			30	\$65.00	\$0.00	\$0.00	\$1,950.00	\$1,950.00
-	JT701210	PORTABLE CHANGEABLE MESSAGE SIGN	WEEK	4			4	\$500.00	\$0.00	\$0.00	\$2,000.00	\$2,000.00
-	JT701220	PORTABLE CHANGEABLE MESSAGE SIGN	GAL MO	4			4	\$800.00	\$0.00	\$0.00	\$3,200.00	\$3,200.00
+	JT725050	MILEPOST MARKER INSTALLATION	SQ FT	9			9	\$50.00	\$0.00	\$0.00	\$450.00	\$450.00
+	JT750300	MULTI-POLYMER PAVEMENT MARKING - LINE 4"	FOOT	11,968			11,968	\$1.75	\$0.00	\$0.00	\$20,944.00	\$20,944.00
+	JT750310	MULTI-POLYMER PAVEMENT MARKING - LINE 8"	FOOT	6,968			6,968	\$2.50	\$0.00	\$0.00	\$17,420.00	\$17,420.00
+	JT750320	MULTI-POLYMER PAVEMENT MARKING - LINE 12"	FOOT	1,513			1,513	\$1.75	\$0.00	\$0.00	\$2,647.75	\$2,647.75
+	JT750325	MULTI-POLYMER PAVEMENT MARKING - LINE 12"	FOOT	317			317	\$3.00	\$0.00	\$0.00	\$951.00	\$951.00
+	JT7503E1	GROOVING FOR RECESSED PAVEMENT MARKING LINES: 1" GROOVE	FOOT	431			431	\$1.60	\$0.00	\$0.00	\$690.00	\$690.00
+	JT753005	WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY	SQ FT	8,076			8,076	\$2.50	\$0.00	\$0.00	\$20,190.00	\$20,190.00
+	JT753009	RAISED PAVEMENT LANE MARKER REFLECTOR REMOVAL	EACH	314			314	\$9.00	\$0.00	\$0.00	\$2,826.00	\$2,826.00
+	JT750010	ARCHITECTURAL METAL LETTER	EACH	34		34		\$350.00	\$0.00	\$11,900.00	\$0.00	\$11,900.00
+	JT844010	REMOVE AND REINSTALL LIGHTING UNIT	EACH	2			2	\$1,425.00	\$0.00	\$0.00	\$2,850.00	\$2,850.00
+	JT900515	EMBANKMENT MODIFICATION	SQ YD	6,457			6,457	\$25.00	\$0.00	\$0.00	\$161,425.00	\$161,425.00
+	JT000074	UTILITY PROTECTION	LSUM	1			1	\$10,000.00	\$0.00	\$0.00	\$10,000.00	\$10,000.00
TOTAL AMOUNT OF CORE WORK									\$1,168,298.35	\$3,811,678.00	\$4,288,976.35	\$5,879,554.15

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY



STEARNS SCHOOL ROAD BRIDGE RECONSTRUCTION
 TRISTATE TOLLWAY (I-294)
 CONTRACT NO. RR-18-4382
 FINAL (100%) IGA ENGINEER'S ESTIMATE (Breakdown)
 PREPARED BY DSE: BRAVO COMPANY ENGINEERING, INC.

SUBMITTED ON :
 BIDS DUE :
 START DATE :
 MID-POINT :
 FINISH DATE :

SN	PAYITEM NO.	DESCRIPTION	UNIT	QUANTITY	GUIDE QUANTITY	LCDOT QUANTITY	TOLLWAY QUANTITY	Unit Costs	Guide Costs	LCDOT costs	Tollway costs	TOTAL
**	JT155001	CONTRACTOR'S QUALITY PROGRAM	L SUM	1	0.10	0.36	0.54	\$180,000.00	\$18,000.00	\$64,800.00	\$97,200.00	\$180,000.00
**	JT152000	CONTRACT SPECIFIED INCENTIVE PAYMENT	UNIT	100.000			100.000	\$1.00	\$0.00	\$0.00	\$100,000.00	\$100,000.00
**	JT154006	UNFORESEEN ADDITIONAL MAINTENANCE OF TRAFFIC	UNIT	50.000			50.000	\$1.00	\$0.00	\$0.00	\$50,000.00	\$50,000.00
**	JT154016	ALLOWANCE FOR UNFORESEEN EROSION CONTROL MEASURES	UNIT	10.000	1,000.00	3,000.00	5,000.00	\$1.00	\$1,000.00	\$3,000.00	\$5,000.00	\$10,000.00
**	JT154007	CONTRACT ALLOWANCE FOR CONSTRUCTIONWORKS APPRENTICES	UNIT	25.000			25.000	\$5.00	\$0.00	\$0.00	\$25,000.00	\$25,000.00
**	JT154016	ALLOWANCE FOR UTILITY LINE PROTECTION	UNIT	10.000			10.000	\$7.00	\$0.00	\$0.00	\$70,000.00	\$70,000.00
	Engineering	Engineering	L Sum	1	0.05	0.28	0.47	\$1,485,608.00	\$76,587.36	\$411,441.28	\$997,579.16	
	Engineering	Construction Engineering (2973,236.00)	L Sum	1	0.10	0.36	0.54	\$973,236.00	-\$97,323.60	\$380,384.36	\$625,547.44	
	Engineering	Supplement 1 • Design Engineering Costs (\$288,280.00)	L Sum	1	0.10	0.37	0.21	\$288,280.00	\$36,082.00	\$175,436.00	\$177,790.00	
	Engineering	Supplement 2 • Design Engineering Costs (\$169,985.00)	L Sum	1	0.10	0.37	0.48	\$169,985.00	\$24,796.00	\$63,555.00	\$86,644.00	
	Total							\$1,423,068.00	\$4,662,677.21	\$6,266,727.38		
TOTAL AMOUNT OF CORE WORK + TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM (CQP) + Construction Costs											\$8,334,354.15	
Total Costs including Engineering											\$12,272,673.58	

- ** SPECIAL PROVISION
- *** TOLLWAY SUPPLEMENTAL SPECIFICATIONS
- **** IDOT REQUIREMENTS SPECIAL PROVISION
- ***** IDOT SIDE SPECIAL PROVISION
- ***** IDOT GUIDE BRIDGE SPECIAL PROVISION
- ***** IDOT DISTRICT ONE SPECIAL PROVISION

- Notes:
- 1 *KT on South paid for by LCDOT/Guiaes
 - 2 *F on North, F* on South, paid per LCDOT/Guiaes Agreement, remainder LCDOT
 - 3 * Additional Items on South paid for per LCDOT/Guiaes Agreement
 - 4 Based on percentages of Conc, Str, And Conc, Supemat, for Pave/Sage/LCDOT/Other/Tollway
 - 5 File #105, 2 abal, files for widened portion paid for by LCDOT/Guiaes Agreement

REV #	DATE	PHASE	AMOUNT	VARIANCE	DESCRIPTION OF CHANGES
0		CONCEPT (30%) ESTIMATE	\$8,800,474.70		
1		PRELIMINARY (65%) ESTIMATE	\$10,341,372.88	(\$1,740,898.18)	Bridge Widened For Sidewalk
2		PREFINAL (85%) ESTIMATE	\$9,845,883.23	(\$795,489.65)	Plans Advance
3		FINAL (100%) ESTIMATE	\$9,350,554.15	(\$495,329.08)	Construction Limits Extended & LCDOT 95% Comments

AUTHORITY Zero percent (0%) of all PROJECT costs, including design engineering, acquisition of right-of-way, utility relocations, construction, construction inspection and construction administration, regardless of actual or total costs.

IV. MAINTENANCE

1. After completion and acceptance of the PROJECT, the COUNTY shall maintain the following:
 - a. The complete deck and wearing surface of the bridge, above the top of the bridge beams, including parapets, railings, fencing, drainage scuppers, curbs and sidewalks, retaining walls, the approaches to the bridge structures, as well as the curbs, gutters, shoulders, slopes and embankments adjacent to the travel lanes of Stearns School Road, and normal appurtenances within the Stearns School Road right-of-way that are inaccessible to the AUTHORITY by reason of access control fencing;
 - b. All COUNTY roadway grassed and vegetated areas and embankments within the right-of-way of Stearns School Road;
 - c. All guardrail within COUNTY roadway right-of-way parallel to Stearns School Road;

- d. All approach embankments and all drainage facilities on COUNTY right-of-way except drainage structures exclusively conveying AUTHORITY's drainage; and
 - e. All signs installed within Stearns School Road right-of-way intended to direct, warn or guide traffic on Stearns School Road.
2. After completion and acceptance of the PROJECT, the AUTHORITY shall maintain the following:
 - a. The bridge abutments, piers, slope walls, beams, girders and bearings.
 - b. All grassed areas and embankments within the AUTHORITY'S right-of-way;
 - c. All fences protecting AUTHORITY right-of-way;
 - d. All guardrail other than that described in Article 1(d) above; and
 - e. All drainage facilities within AUTHORITY right-of-way lines, including Stearns School Road Bridge drainage scupper down spouts.
3. To facilitate these responsibilities, the AUTHORITY shall grant the COUNTY reasonable access to its right-of-way for the maintenance of the Stearns School Road Bridge. The COUNTY shall make all efforts to avoid disruption of traffic on the Toll Highway and, must notify the AUTHORITY before any work, and obtain all necessary permits (except for emergency work) from the AUTHORITY to perform routine maintenance and repairs before initiating work;
4. As used herein, the term "maintenance" or "maintain" shall mean the satisfactory periodic inspection, upkeep, repair, construction, reconstruction and operation of the highway or roadway facilities, structures and right-of-way, lighting equipment

and drainage facilities, as constructed, to assure their safe and continued use and preservation, including snow and ice removal, the removal of dirt and debris and the mowing and upkeep of grassed, vegetated and infield areas.

V. GENERAL

1. Wherever in this AGREEMENT the approval or review of either the COUNTY or the AUTHORITY is provided for, said approval or review shall not be unreasonably delayed or withheld.
2. Any dispute concerning the PS&E's, or in carrying out the terms of this AGREEMENT shall be resolved by a meeting of the COUNTY's County Engineer and the Chief Engineer of the AUTHORITY. Any dispute not resolved as provided above shall be jointly resolved by decision of the COUNTY Board Chairman, at the direction of the COUNTY Board, and the Executive Director of the AUTHORITY; their decision shall be final.
3. At a point no later than fifteen (15) working days after the execution of this AGREEMENT, each party shall designate their duly authorized representative and convey this designation in writing to the other party. This individual shall serve as the full time representative of the said party during the PROJECT. The representative shall have the authority on behalf of such party to receive notices, make inspections and give approvals relating to the work covered by this

IMPROVEMENT, based on final costs and final contract quantities at contract prices for actual work performed.

7. The VILLAGE agrees that, upon completion of the COUNTY IMPROVEMENT, the BIKE PATH shall become a municipal facility of the VILLAGE. Said BIKE PATH shall be subject to the provisions of the LAKE COUNTY HIGHWAY UTILITY AND FACILITY PLACEMENT ORDINANCE.

The VILLAGE further agrees to repair, replace, maintain and be solely responsible, with no reimbursement from the COUNTY, for all costs associated with the existence, use, maintenance and operation of said BIKE PATH.

The VILLAGE further agrees to pay one hundred percent (100%) of all costs, with no reimbursement from the COUNTY, for the removal and/or relocation of the BIKE PATH that may be required due to the construction of any improvements to Stearns School Road. Said costs shall also include any extraordinary costs that may be incurred due to the presence of the BIKE PATH and/or any other VILLAGE owned facility or utility.

8. The VILLAGE agrees, upon completion of the improvement, to indemnify, defend and hold harmless the COUNTY, its elected officials, its duly appointed officials, agents, employees, and representatives, and the COUNTY's Division of Transportation, its duly appointed officials, agents, employees, and representatives from and against any and all claims, suits, settlements, actions, losses, expenses, damages, injuries, judgements, and demands (collectively referred to hereinafter as "claims") arising from and relating to the existence, use, operation, repair and maintenance, or lack thereof, of the BIKE PATH.

The VILLAGE further agrees to pay all damages, judgements, settlements, costs and expenses incurred by the COUNTY, including all reasonable attorney's fees and court costs, in connection with or resulting from such claims against the COUNTY.

9. The VILLAGE agrees that by duly executing THIS AGREEMENT, the VILLAGE concurs in the COUNTY's negotiation of the costs to construct the BIKE PATH and make it a part of the construction contract which was awarded to the lowest responsible bidder in accordance with the Illinois Department of Transportation's Motor Fuel Tax requirements and the COUNTY's purchasing ordinance.
10. It is mutually agreed by and between the parties hereto that each party warrants and represents to the other party and agrees that (1) THIS AGREEMENT is executed by duly authorized agents or officers of such party and that all such agents and officers have executed the same in accordance with the lawful authority vested in them pursuant to all applicable and substantive requirements; (2) THIS AGREEMENT is binding and valid and will be specifically enforceable against each party; and, (3) THIS AGREEMENT does not violate

Business & Contact Information

BUSINESS NAME	OSEH Inc.	
OWNER	Mr Akiwumi Attawia	
ADDRESS	328 S. Jefferson Street Suite 950 Chicago, IL 60616	Map This Address
PHONE	312-724-8621	
EMAIL	info@osehinc.com	

Certification Information

CERTIFYING AGENCY	Cook County
CERTIFICATION TYPE	MBE - Minority Business Enterprise
CERTIFICATION DATE	6/3/2019
RENEWAL DATE	12/3/2020
EXPIRATION DATE	6/3/2023
CERTIFIED BUSINESS DESCRIPTION	Professional Service: Civil Engineering Design

Commodity Codes

Code	Description
NAICS 541330	Civil engineering services

Additional Information

Business & Contact Information

BUSINESS NAME **Singh & Associates Inc., DBA S Singh & Associates Inc**

OWNER **Ms. Harvind Singh**

ADDRESS **230 W MONROE ST STE 1400** [Map This Address](#)
CHICAGO, IL 60606-4802

PHONE **312-629-0240**

FAX **312-629-8449**

EMAIL hkaur@singhinc.com

Certification Information

CERTIFYING AGENCY **Cook County**

CERTIFICATION TYPE **MBE - Minority Business Enterprise**

CERTIFICATION DATE **2/14/2019**

RENEWAL DATE **6/13/2020**

EXPIRATION DATE **6/13/2020**

CERTIFIED BUSINESS DESCRIPTION **Licensed Professional Services: Design & Construction Engineering Services**

Commodity Codes

Code	Description
NAICS 541330	Construction engineering services
NAICS 541330	Engineering design services
NAICS 541330	Engineering services

Additional Information



Search Cyberdriveillinois.com

Corporation/LLC Search/Certificate of Good Standing

Corporation File Detail Report

File Number	53492266
Entity Name	STV INCORPORATED
Status	ACTIVE

Entity Information

Entity Type	CORPORATION
Type of Corp	FOREIGN BCA
Qualification Date (Foreign)	Wednesday, 13 June 1984
State	NEW YORK
Duration Date	PERPETUAL

Agent Information

Name	ILLINOIS CORPORATION SERVICE C
Address	801 ADLAI STEVENSON DRIVE SPRINGFIELD , IL 62703
Change Date	Friday, 16 January 2015

Annual Report	
Filing Date	00/00/0000
For Year	2020

Officers	
President Name & Address	MILO E RIVERSO 225 PARK AVE SOUTH NEW YORK NY 10003
Secretary Name & Address	THOMAS W BUTCHER 225 PARK AVE SOUTH NEW YORK NY 10003

Assumed Name	
INACTIVE	STV GROUP

Old Corp Name	
08/17/1995	SEELYE, STEVENSON, VALUE & KNECHT, INC.

[Return to Search](#)

[Purchase Certificate of Good Standing](#)

(One Certificate per Transaction)

[File Annual Report](#)

[Adopting Assumed Name](#)

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

10:10 04/21/20

ACTION: S

VENDOR NUMBER= *****[REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 04/21/20 AT 10:11 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER *****[REDACTED] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

10:10 04/21/20

ACTION: S

VENDOR NUMBER= *****[REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 04/21/20 AT 10:15 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER *****[REDACTED] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

10:10 04/21/20

ACTION: S

VENDOR NUMBER= *****[REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 04/21/20 AT 10:17 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER *****[REDACTED] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

10:10 04/21/20

ACTION: S

VENDOR NUMBER= *****[REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 04/21/20 AT 10:19 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER *****[REDACTED] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

DESIGN SECTION ENGINEER
SECOND SUPPLEMENTAL AGREEMENT

The Board of Directors, on the 30th day of **April, 2020**, authorized this **SECOND SUPPLEMENTAL AGREEMENT** to be entered into by and between THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY, an instrumentality and administrative agency of the State of Illinois, hereinafter sometimes referred to as "TOLLWAY", and **STV INCORPORATED**, a **corporation** authorized and existing within the laws of the State of Illinois, hereinafter sometimes referred to as "DESIGN SECTION ENGINEER".

W I T N E S S E T H:

WHEREAS, the TOLLWAY selected the DESIGN SECTION ENGINEER from **PSB 18-2, Item 2**, and DESIGN SECTION ENGINEER entered into an agreement on **September 27, 2018**, to provide design section engineering services (hereinafter "Services") for Contract No. **RR-18-4382** for **Tri-State Tollway, Stearns School Road Bridge Reconstruction (Mile Post 7.5)**; and

WHEREAS, additional supplemental Services are necessary due to the increased scope of the work; and

WHEREAS, DESIGN SECTION ENGINEER has submitted a proposal dated **April 1, 2020**, a copy of which is attached hereto as Exhibit "1", to provide said additional Services, and it is in the best interest of the TOLLWAY to accept said proposal.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, the parties hereto mutually covenant and agree as follows:

ARTICLE I

General Provisions

Except as modified or changed herein, all terms, provisions and conditions contained in the original agreement between the TOLLWAY and the DESIGN SECTION ENGINEER dated **September 27, 2018** ("Original Agreement") and commonly referred to as Contract No. **RR-18-4382**, shall govern this agreement and be in full force and effect, however, any changes to multipliers, unit costs, prices and/or rates of compensation shall only be applied to Services rendered solely under this Supplement pursuant to changes in the scope of work. The supplemental proposal attached as Exhibit "1" is hereby made a part of this Supplemental Agreement.

ARTICLE II

Time of Performance

The DESIGN SECTION ENGINEER shall perform the services herein until the latest of the end date of the original agreement, the end date of the most recent supplemental agreement, the end date of any previously approved contract renewal or

amendment or the last day of the last month of the last year of the schedule included at Exhibit "A" in the attached proposal.

ARTICLE III

Reaffirmation of Original Agreement

All covenants and agreements contained in the Original Agreement made and entered into by and between the TOLLWAY and DESIGN SECTION ENGINEER and all prior Supplemental Agreements, if any, to provide Services for Contract No. **RR-18-4382** for **Tri-State Tollway, Stearns School Road Bridge Reconstruction (Mile Post 7.5)** are reaffirmed and shall govern this Agreement as if fully set forth herein, it being the intent that this Agreement shall be a supplement to said agreement(s).

ARTICLE IV

Record Retention and Audit

In compliance with the Illinois Procurement Code (30 Ill. Comp. Stat. 500/20-65) and rules promulgated thereunder, every CONTRACT for goods and services shall provide that the contractor shall maintain certain records, books and documents.

The DESIGN SECTION ENGINEER shall maintain in the State of Illinois, for a minimum of five years from the latter of the date of completion of the CONTRACT or the date of final payment under the CONTRACT, adequate books, records, and supporting documents from an accounting system maintained in accordance with generally accepted accounting principles to verify the amounts, recipients, uses and methods of all disbursements of funds passing in conjunction with the CONTRACT. The five year record maintenance period shall be extended for the duration of any audit in progress at the time of that period's expiration. The DESIGN SECTION ENGINEER shall at its own expense make such records available in a timely manner for inspection and audit (including copies and extracts of records) as required by the Auditor General and other State Auditors, the Chief Procurement Officer for General Services, the Illinois Department of Transportation, and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents at all reasonable times and without prior notice. For purposes of this section, "timeliness" will be considered production within the time period specified by the Auditor General and other State Auditors, the Chief Procurement Officer for General Services, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, but no later than thirty days after a request for records being made unless otherwise agreed to by the parties. The DESIGN SECTION ENGINEER agrees to cooperate fully with any audit conducted by the Auditor General and other State Auditors, the Chief Procurement Officer for General Services, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, and to provide full access to all relevant materials. The auditors reserve the right to enter the DESIGN SECTION ENGINEER's place of business in order to audit the records. If they are not produced in a timely manner by the DESIGN SECTION ENGINEER, then the DESIGN SECTION ENGINEER shall reimburse the TOLLWAY or other State agency for the travel expenses of its auditors in the event that this right is invoked.

The obligations of this Section shall be explicitly included in any subcontracts or agreements formed between the DESIGN SECTION ENGINEER and any subcontractors or suppliers of goods and services to the extent that those subcontracts or agreements relate to fulfillment of the DESIGN SECTION ENGINEER's obligations to the TOLLWAY. Such subcontractor shall be required to comply with the terms and conditions of this Section and the TOLLWAY shall be entitled to enforce a breach of that contract.

Any audit adjustment will be submitted on a final invoice for any underpayment or overpayment to the DESIGN SECTION ENGINEER or its subcontractors. The DESIGN SECTION ENGINEER shall promptly reimburse the TOLLWAY for any overpayment, or the TOLLWAY at its option may deduct any overpayment from any funds due the DESIGN SECTION ENGINEER, whether those funds are due under this contract or other contracts to which the DESIGN SECTION ENGINEER is a party either directly with the TOLLWAY or as a subcontractor. In the event the DESIGN SECTION ENGINEER fails or refuses to reimburse the TOLLWAY for an overpayment, the DESIGN SECTION ENGINEER shall be responsible for all costs, including attorney fees, incurred by the TOLLWAY to collect such overpayment.

Failure to maintain or make available the books, records, and supporting documents required by this Section shall establish a presumption in favor of the TOLLWAY for recovery of any funds paid by the TOLLWAY under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.

The DESIGN SECTION ENGINEER shall reimburse the TOLLWAY for the total costs of an audit that identifies significant findings that would benefit the TOLLWAY, including but not limited to reasonable attorney's fees and other expenses. Significant findings for the purposes of this provision shall be identified as an amount in excess of \$50,000 in aggregate of the audit report or findings of material performance or compliance deficiencies.

If the DESIGN SECTION ENGINEER fails to comply with these requirements, the DESIGN SECTION ENGINEER may be disqualified or suspended from bidding on or working on future contracts.

ARTICLE V

Compensation

The upper limit of compensation for said supplemental Services for Contract No. **RR-18-4382 for Tri-State Tollway, Stearns School Road Bridge Reconstruction (Mile Post 7.5)** performed by the DESIGN SECTION ENGINEER under the Original Agreement and including the services set forth herein, is hereby increased from **\$1,774,888.24** by **\$169,995.15** to **\$1,944,883.39**.

ARTICLE VI

Report of a Change in Circumstances

The DESIGN SECTION ENGINEER agrees to report to the TOLLWAY as soon as practically possible, but no later than 21 days following any change in facts or circumstances that might impact the DESIGN SECTION ENGINEER's ability to satisfy its legal or contractual responsibilities and obligations under this contract. Required reports include, but are not limited to changes in the DESIGN SECTION ENGINEER's Certification/Disclosure Forms, the DESIGN SECTION ENGINEER's IDOT pre-qualification, or any certification or licensing required for this project. Additionally, the DESIGN SECTION ENGINEER agrees to report to the Tollway within the above timeframe any arrests, indictments, convictions or other matters involving the DESIGN SECTION ENGINEER, or any of its principals, that might occur while this contract is in effect. This reporting requirement does not apply to common offenses, including but not limited to minor traffic/vehicle offenses.

Further, the DESIGN SECTION ENGINEER agrees to incorporate substantially similar reporting requirements into the terms of any and all subcontracts relating to work performed under this agreement. The DESIGN SECTION ENGINEER agrees to forward or relay to the Tollway any reports received from subcontractors pursuant to this paragraph within 21 days.

Finally, the DESIGN SECTION ENGINEER acknowledges and agrees that the failure of the DESIGN SECTION ENGINEER to comply with this reporting requirement shall constitute a material breach of contract which may result in this contract being declared void.

ARTICLE VII

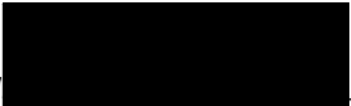
EXPATRIATED ENTITIES

Except in limited circumstances, no business or member of a unitary business group, as defined in the Illinois Income Tax Act, shall submit a bid for or enter into a contract with a State agency if that business or any member of the unitary business group is an expatriated entity.

IN WITNESS WHEREOF, the parties hereto have executed this **SECOND** SUPPLEMENTAL AGREEMENT for **RR-18-4382** the day and year first above written.

THE ILLINOIS STATE TOLL
HIGHWAY AUTHORITY

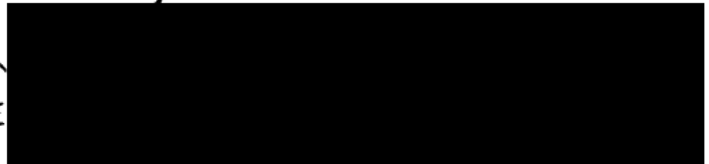
STV INCORPORATED

By 
Chairman/CEO - Signature
Willard S. Evans, Jr.

06/10/2020

Date

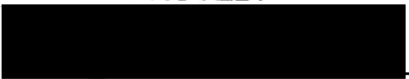
VICE



TED LACHUS


Printed Name as Signed Above

APPROVED:

 06/10/2020


Executive Director - Signature Date
Jose Alvarez

APPROVED:

 06/05/2020

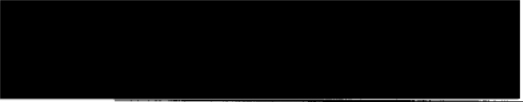
Chief Financial Officer - Signature Date
Cathy R. Williams

APPROVED:

 06/05/2020

General Counsel - Signature Date
Kathleen Pasulka-Brown

Approved as to Form and Constitutionality

 06/05/2020

Attorney General, State of Illinois - Signature Date



April 1, 2020

Mr. Gregory Stukel, P.E.
Deputy Chief of Program Control and System Integrity
Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, IL 60515

Attn: Mohamad Faraj, P.E.
Tollway Project Manager

Re: ISTHA Contract RR-18-4382
Tri-State Tollway, Stearns School Road Bridge Reconstruction (M.P. 7.5)
Additional Scope of Work - Supplement Request No. 2

Dear Mr. Stukel,

This letter outlines additional services required in support of the Stearns School Road Bridge Reconstruction Project over the Tri-State Tollway. Some of the items noted in this request are a result of recent developments brought out during ongoing coordination with Lake County Department of Transportation (LCDOT) and the Village of Gurnee. One item noted is for a recent revision requested by the Tollway. The additional work noted in this request was not anticipated during the development of the original proposal for the project, these items also occurred after our request for the first supplement and are outside the current scope of work. The additional work items include the following:

1. Items related to additional coordination with the Lake County DOT (\$87,894)
 - a. As part of the continuing coordination effort with the Lake County DOT it was indicated by Lake County that the stormwater detention along Stearns School Road would not be required. This was a change from what was presented in the Concept Report through the Pre-Final Plans. The changes in the detention storage requirements has resulted in a project cost savings of \$258,000.
 - b. The in-line stormwater detention system that was designed was located along Stearns School Road, east and west of I-94.
 - c. Modifications to the shared-use path were also required as part of the coordination effort.
 - d. This effort included additional coordination with Lake County, additional drainage analysis for the removal of detention system, preparation of a design deviation for the detention east of I-94, updates to the drainage report, and revisions to the plans, special provisions, pay items and quantities.



2. Additional analysis related to the Village of Gurnee watermain (\$24,004)

- a. The Village of Gurnee's existing watermain traverses under I-94 just south of the Stearns School Road bridge. Per discussions with the Village they expressed concerns about their watermain related to the improvements as part of this project. Additional SUE information was acquired through a Tollway SUE consultant.
- b. From the information provided by the SUE effort the watermain was found to be higher than expected at the east side of I-94 when compared to drawings supplied by the Village.
- c. The additional effort involved coordination Tollway SUE consultant, analysis of the information provided by the SUE consultant, and modifications to the design of the culverts and ditches along I-94 to provide adequate clearance from the watermain, revisions to the plans, special provisions, pay items and quantities.

3. Revise the I-94 plans to modify the outside shoulder design (\$52,669)

- a. Per comments provided by the Tollway, the design of the outside shoulder was modified from the original 6" HMA section to provide a better foundation for the future, widened I-94 section. The new proposed HMA shoulder was designed to match the future mainline section with the addition of a 4" overlay. This was a change from what was presented in the Concept Report through the Pre-Final Plans.
- b. The change also extended the limits of the improvement on I-94. The Tollway requested to decrease work zone taper rates to keep work zone speed limits to 65 MPH, and to provide the increased depth shoulder section under all MOT lane shift areas.
- c. Revisions were required to the removal plans, roadway plans, MOT plans, cross-sections, special provisions, pay items and quantities.

4. Administrative and Management and QA (\$5,428)

- a. Additional Administration & Management time is required due to requested changes to the design and project schedule.
- b. Additional QA/QC is required related to the additional work.

It is recommended that the current design team should complete the work as described above and based on our analysis of the current budget we do not believe the tasks as described can be completed for this effort based on our current upper limit of compensation.




Additional scope of services required to complete the project beyond the current limit of compensation is \$169,995.15 in direct labor which is 9.6% above the current upper limit of compensation.

41.1% of the supplement amount is to address additional work performed by the DBE firms on the project. 21.0% of the supplement amount is to address additional work performed by the veteran-owned firm on the project.

If you have any questions or need any additional information, please contact me.

Sincerely,




Ted W. Lachus, P.E.
Vice President

Attachment: Summary Breakdown of Tasks

**PROPOSAL
TO THE
ILLINOIS STATE TOLL HIGHWAY AUTHORITY
FOR SUPPLEMENTAL DESIGN SECTION ENGINEER SERVICES**

FOR CONTRACT NUMBER RR-18-4382

This proposal, dated April 1, 2020, is submitted by STV Incorporated of Chicago, Illinois for Design Section Engineer's Service.

DESCRIPTION/LOCATION OF DESIGN SECTION

The location of the construction Contract RR-18-4382 for which we propose to provide Design Section Engineering Services is Tri-State Tollway, Stearns School Road Bridge Reconstruction (Mile Post 7.5), Phase II Engineering Services, in Lake County (Counties), Illinois.

REAFFIRMATION OF ORIGINAL AGREEMENT

All terms of the original agreement and any amendments thereto are hereby reaffirmed except as herein modified.

SCOPE OF SUPPLEMENTAL DESIGN SECTION ENGINEERING SERVICES

The Supplemental Engineering Services, more fully detailed in ***Exhibit F***, attached hereto, will be executed in conformance with the terms contained in the original agreement for DESIGN SECTION ENGINEER's Services except where herein modified.

FEE PROPOSAL

The DESIGN SECTION ENGINEER shall be compensated for these Supplemental Engineering Services on the following basis:

ACTUAL PAYROLL COSTS TIMES A MULTIPLIER, PLUS REIMBURSEMENT OF DIRECT EXPENSES, WITH AN UPPER LIMIT OF COMPENSATION.

PAYROLL COSTS AND MULTIPLIER - During the course of the project, compensation shall be equal to Actual Direct Labor Costs (less overtime premium) multiplied by a factor of 2.80 to compensate for **Payroll Burden and Fringe Costs, Overhead and**

Miscellaneous Indirect Costs, and Profit. This factor shall be used for periodic invoicing during the project.

AGREEMENT LIMITS

The following limits contained in the existing agreement are amended as follows:

The Upper Limit Compensation shall be increased

from \$ 1,774,888.24 by \$ 169,995.15 to \$ 1,944,883.39.

RECORD RETENTION AND AUDIT - In compliance with the Illinois Procurement Code (30 Ill. Comp. Stat. 500/20-65) and rules promulgated thereunder, every CONTRACT for goods and services shall provide that the contractor shall maintain certain records, books and documents.

The DESIGN SECTION ENGINEER shall maintain in the State of Illinois, for a minimum of five years from the latter of the date of completion of the CONTRACT or the date of final payment under the CONTRACT, adequate books, records, and supporting documents from an accounting system maintained in accordance with generally accepted accounting principles to verify the amounts, recipients, uses and methods of all disbursements of funds passing in conjunction with the CONTRACT. The five year record maintenance period shall be extended for the duration of any audit in progress at the time of that period's expiration. The DESIGN SECTION ENGINEER shall at its own expense make such records available in a timely manner for inspection and audit (including copies and extracts of records) as required by the Auditor General and other State Auditors, Chief Procurement Officer, the Illinois Department of Transportation, and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents at all reasonable times and without prior notice. For purposes of this section, "timeliness" will be considered production within the time period specified by the Auditor General and other State Auditors, Chief Procurement Officer, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, but no later than thirty days after a request for records being made unless otherwise agreed to by the parties. The DESIGN SECTION ENGINEER agrees to cooperate fully with any audit conducted by the Auditor General and other State Auditors, Chief Procurement Officer, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, and to provide full access to all relevant materials. The auditors reserve the right to enter the DESIGN SECTION ENGINEER's place of business in order to audit the records. If they are not produced in a timely manner by the DESIGN SECTION ENGINEER, then the DESIGN SECTION ENGINEER shall reimburse the TOLLWAY or other State agency for the travel expenses of its auditors in the event that this right is invoked.

The obligations of this Section shall be explicitly included in any subcontracts or agreements formed between the DESIGN SECTION ENGINEER and any

subcontractors or suppliers of goods and services to the extent that those subcontracts or agreements relate to fulfillment of the DESIGN SECTION ENGINEER's obligations to the TOLLWAY. Such subcontractor shall be required to comply with the terms and conditions of this Section and the TOLLWAY shall be entitled to enforce a breach of that contract.

Any audit adjustment will be submitted on a final invoice for any underpayment or overpayment to the DESIGN SECTION ENGINEER or its subcontractors. The DESIGN SECTION ENGINEER shall promptly reimburse the TOLLWAY for any overpayment, or the TOLLWAY at its option may deduct any overpayment from any funds due the DESIGN SECTION ENGINEER, whether those funds are due under this contract or other contracts to which the DESIGN SECTION ENGINEER is a party either directly with the TOLLWAY or as a subcontractor. In the event the DESIGN SECTION ENGINEER fails or refuses to reimburse the TOLLWAY for an overpayment, the DESIGN SECTION ENGINEER shall be responsible for all costs, including attorney fees, incurred by the TOLLWAY to collect such overpayment.

Failure to maintain or make available the books, records, and supporting documents required by this Section shall establish a presumption in favor of the TOLLWAY for recovery of any funds paid by the TOLLWAY under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.

The DESIGN SECTION ENGINEER shall reimburse the TOLLWAY for the total costs of an audit that identifies significant findings that would benefit the TOLLWAY, including but not limited to reasonable attorney's fees and other expenses. Significant findings for the purposes of this provision shall be identified as an amount in excess of \$50,000 in aggregate of the audit report or findings of material performance or compliance deficiencies.

If the DESIGN SECTION ENGINEER fails to comply with these requirements, the DESIGN SECTION ENGINEER may be disqualified or suspended from bidding on or working on future contracts.

INVOICES - INVOICES will be submitted monthly on forms provided to the DESIGN SECTION ENGINEER at the start of the project. The invoice cutoff date will coincide with the Monthly Progress Report. All payroll documentation and costs relating to this project will be available for audit by the TOLLWAY upon request.

INVOICES for services performed and expenses incurred through December 31st must be submitted to the TOLLWAY no later than February 28th of the subsequent year. The DESIGN SECTION ENGINEER expressly acknowledges that the TOLLWAY, at its discretion, reserves the right not to honor any delinquent INVOICE if the DESIGN SECTION ENGINEER fails to obtain prior written approval from the Chief Engineering Officer for an alternative INVOICE submission date. DESIGN SECTION ENGINEER will

request such approval or an INVOICE submittal extension no later than February 15th.

PARTIAL PAYMENTS

Partial payments to the DESIGN SECTION ENGINEER shall be made in accordance with the terms of the original agreement except that reference to the Total Estimated Fee and Upper Limit of Compensation, shall be interpreted to be the Amended Total Estimated Fee and Amended Upper Limit of Compensation.

REVISIONS TO SUPPLEMENTAL SCOPE OF WORK

The scope of supplemental work shall be as detailed in *Exhibit F*. All requirements of the SCOPE OF WORK contained in the original agreement for services shall apply to this supplemental work as well.

**THIS PROPOSAL FOR SUPPLEMENTAL DESIGN SECTION ENGINEERING
SERVICES FOR**

CONTRACT RR-18-4382

SUBMITTED BY:

FIRM NAME: STV Incorporated

ADDRESS: 200 W. Monroe Street, Suite 1650

**CITY, STATE &
ZIP CODE:** Chicago, Illinois 60606

TELEPHONE: 312-553-0655

FACSIMILE: 312-553-0661

SIGNED BY:



PRINTED NAME: Ted Lachus

TITLE: Vice President

DESCRIPTIONS (Continued from Page 1)

2. Leased / Rented / Borrowed Equipment from Others Sublimit: \$500,000

3. The Captioned Commercial General Liability Policy includes the following coverage:

- a. XCU
- b. Contractual Liability
- c. Contractual Liability - Railroads is included by amending the definition of an "Insured Contract" when working within 50ft of a Railroad (CG 24 17 10 01)

4. The Captioned Workers Compensation & Employers Liability coverage includes the following coverage on an if any basis:

- a. USL&H
- b. Maritime
- c. FELA

5. A Waiver of Subrogation is provided in favor of the Additional Insureds under the captioned Commercial General Liability, Business Automobile Liability, Commercial Excess Liability, Workers Compensation & Employers Liability Coverages if required by written contract & permitted by state law.

6. The captioned Commercial Excess Liability policy is following form of the Commercial General Liability, Automobile Liability, and Employers Liability Policies.

7. 30 Days Notice of Cancellation and Non-Renewal, 10 Days Notice in the event of Non-Payment of Premium, will be provided subject to the terms and conditions of the policy.

STV Project #: 40-19798

Client Project #: RR-18-4382

Project Name: Stearns Road Tollway Project

Illinois State Toll Highway Authority are included as Additional Insureds if required by written contract under the following coverage: Commercial General Liability, Business Automobile Liability and Commercial Excess Liability Coverage. The Additional Insured coverage is provided on a Primary Noncontributory basis if required by written contract. The Additional Insured coverage under the Commercial General Liability is provided for both Ongoing and Completed Operations under ISO Form #s CG 2010 07 04 and CG 2037 0704.

ENDORSEMENT

This endorsement, effective 12:01 A.M. 4/1/2020 forms a part of

Policy No. CA 4489616 issued to STV Group, Inc.

by National Union Fire Insurance Company of Pittsburgh, PA

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - WHERE REQUIRED UNDER CONTRACT OR AGREEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

SCHEDULE

ADDITIONAL INSURED:

"ANY PERSON OR ORGANIZATION TO WHOM YOU ARE CONTRACTUALLY BOUND TO PROVIDE ADDITIONAL INSURED STATUS. BUT ONLY TO THE EXTENT AS SUCH PERSON'S OR ORGANIZATIONS LIABILITY ARISING OUT OF USE OF A COVERED AUTO."

I. SECTION II - COVERED AUTOS LIABILITY COVERAGE, A. Coverage, 1. - Who Is Insured, is amended to add:

d. Any person or organization, shown in the schedule above, to whom you become obligated to include as an additional insured under this policy, as a result of any contract or agreement you enter into which requires you to furnish insurance to that person or organization of the type provided by this policy, but only with respect to liability arising out of use of a covered "auto". However, the insurance provided will not exceed the lesser of:

- (1) The coverage and/or limits of this policy, or
- (2) The coverage and/or limits required by said contract or agreement.

AUTHORIZED REPRESENTATIVE

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations
Where required by written contract or written agreement.	All location where required by written contract or written agreement.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
Where required by written contract or written agreement.	All location for all project where required by written contract or written agreement.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: STV Incorporated

Contract Number: RR-18-4382 (Supp. #2)

Proposal Date: 4/1/2020

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number: R-18-4382 (Supp #2)

Consultant: STV Incorporated

EXHIBIT A: ESTIMATED TASK WORK HOURS

													Grand Total Exhibit A Hours	390	
													TOTAL HOURS		
TASK	MONTHS of YEAR 2020														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Meetings/FC/Coord															
Concept Report															
Phase II Design	90	90	90	80	30	10									390
Survey															
Geotech Invest															
Admin & Manage															
TOTALS	90	90	90	80	30	10									390

Contract No.: -18-4382 (Supp

Consultant: STV Incorporated

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: Ted Lachus

Project Engineer: Roger Winkelmann

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: Patrick McCluskey

Project Structural Engineer: Shawn Brodaski

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: John Neu

Classification: QC/QA Structural

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

Contract No. RR-18-4382 (Supp #2)

STV Incorporated

SCOPE OF SERVICES

Items related to additional coordination with the Lake County DOT

As part of the continuing coordination effort with the Lake County DOT it was indicated by Lake County that the stormwater detention along Stearns School Road would not be required. This was a change from what was presented in the Concept Report through the Pre-Final Plans. The changes in the detention storage requirements has resulted in a project cost savings of \$258,000.

The in-line stormwater detention system that was designed was located along Stearns School Road, east and west of I-94.

Modifications to the shared-use path were also required as part of the coordination effort.

This effort included additional coordination with Lake County, additional drainage analysis for the removal of detention system, preparation of a design deviation for the detention east of I-94, updates to the drainage report, and revisions to the plans, special provisions, pay items and quantities.

Additional analysis related to the Village of Gurnee watermain

The Village of Gurnee's existing watermain traverses under I-94 just south of the Stearns School Road bridge. Per discussions with the Village they expressed concerns about their watermain related to the improvements as part of this project. Additional SUE information was acquired through a Tollway SUE consultant.

From the information provided by the SUE effort the watermain was found to be higher than expected at the east side of I-94 when compared to drawings supplied by the Village.

The additional effort involved coordination Tollway SUE consultant, analysis of the information provided by the SUE consultant, and modifications to the design of the culverts and ditches along I-94 to provide adequate clearance from the watermain, revisions to the plans, special provisions, pay items and quantities.

Revise the I-94 plans to modify the outside shoulder design

Per comments provided by the Tollway, the design of the outside shoulder was modified from the original 6" HMA section to provide a better foundation for the future, widened I-94 section. The new proposed HMA shoulder was designed to match the future mainline section with the addition of a 4" overlay This was a change from what was presented in the Concept Report through the Pre-Final Plans.

The change also extended the limits of the improvement on I-94. The Tollway requested to decrease work zone taper rates to keep work zone speed limits to 65 MPH, and to provide the increased depth shoulder section under all MOT lane shift areas.

Revisions were required to the removal plans, roadway plans, MOT plans, cross-sections, special provisions, pay items and quantities.

Administrative and Management and QA

Additional Administration & Management time is required due to requested changes to the design and project schedule.

Additional QA/QC is required related to the additional work.

EXHIBIT G**Contract No. RR-18-4382 (Supp. #2)****STV Incorporated****CURRENT OBLIGATIONS FOR PROJECT**

Route & Job No.	Work Scope & Description of Project	Fee (including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
PTB 170 Item 7	Design - Phase I Studies for Var Projects	\$2,000,000	\$370,000	12/20
PTB 189 Item 9	Design - Congress Pkwy at Old Post Office Phase I Bridge Studies	\$744,206	\$744,206	12/21
PTB 192 Item 8	CM – Various Projects (sub to SQN)	\$82,500	\$38,000	6/20
PSB 17-3 Item 10	Design - Tri-State Tollway, Bridge Rehab, Bridge Repairs, Bridge Demo, Various Locations (sub to Baxter & Woodman)	\$201,355	\$51,000	12/20
PSB 11-3 Item 2	Design - EOWA Program Mgmnt (sub to CH2M Hill (Jacobs))	\$568,123	\$43,000	6/20
PSB 18-2 Item 2	Design - I-94 at Stearns School Rd Bridge Replacement	\$1,774,888	\$50,000	6/20
PSB 18-3 Item 2	CM - BNSF RR over I-294 (sub to Transystems)	\$238,500	\$232,000	12/21
PSB 18-3 Item 11	CM - I-294 at I-57 (sub to Wight & Co)	\$1,097,888	\$1,097,888	12/21

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-B, D-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-B, D-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

<p>1 <u>Singh & Associates, Inc.</u></p> <p>Direct Labor \$ 45,722.04</p> <p>Direct Costs _____</p> <p>Services by Others _____</p> <p>Additional Services ** _____</p> <p>Total this Subconsultant (ULC) \$ 45,722.04</p>	<p>7 _____</p> <p>Direct Labor _____</p> <p>Direct Costs \$ -</p> <p>Services by Others \$ -</p> <p>Additional Services ** \$ -</p> <p>Total this Subconsultant (ULC) \$ -</p>
<p>2 <u>OSEH, Inc.</u></p> <p>Direct Labor \$ 24,122.11</p> <p>Direct Costs _____</p> <p>Services by Others _____</p> <p>Additional Services ** _____</p> <p>Total this Subconsultant (ULC) \$ 24,122.11</p>	<p>8 _____</p> <p>Direct Labor _____</p> <p>Direct Costs \$ -</p> <p>Services by Others \$ -</p> <p>Additional Services ** \$ -</p> <p>Total this Subconsultant (ULC) \$ -</p>
<p>3 _____</p> <p>Direct Labor _____</p> <p>Direct Costs \$ -</p> <p>Services by Others \$ -</p> <p>Additional Services ** \$ -</p> <p>Total this Subconsultant (ULC) \$ -</p>	<p>9 _____</p> <p>Direct Labor _____</p> <p>Direct Costs \$ -</p> <p>Services by Others \$ -</p> <p>Additional Services ** \$ -</p> <p>Total this Subconsultant (ULC) \$ -</p>
<p>4 _____</p> <p>Direct Labor _____</p> <p>Direct Costs \$ -</p> <p>Services by Others \$ -</p> <p>Additional Services ** \$ -</p> <p>Total this Subconsultant (ULC) \$ -</p>	<p>10 _____</p> <p>Direct Labor _____</p> <p>Direct Costs \$ -</p> <p>Services by Others \$ -</p> <p>Additional Services ** \$ -</p> <p>Total this Subconsultant (ULC) \$ -</p>
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<p>6 _____</p> <p>Direct Labor _____</p> <p>Direct Costs \$ -</p> <p>Services by Others \$ -</p> <p>Additional Services ** \$ -</p> <p>Total this Subconsultant (ULC) \$ -</p>	<p>12 _____</p> <p>Direct Labor _____</p> <p>Direct Costs \$ -</p> <p>Services by Others \$ -</p> <p>Additional Services ** \$ -</p> <p>Total this Subconsultant (ULC) \$ -</p>

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ 69,844.15

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ 69,844.15

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services): 41.09%

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services): 41.09%

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-B, D-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-B, D-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

<p>1 <u>Bravo Company Engineering, Inc.</u></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Direct Labor</td> <td style="text-align: right; border-bottom: 1px solid black;">\$ 35,616.00</td> </tr> <tr> <td>Direct Costs</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Services by Others</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Additional Services **</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Total this Subconsultant (ULC)</td> <td style="text-align: right; border-bottom: 1px solid black;">\$ 35,616.00</td> </tr> </table>	Direct Labor	\$ 35,616.00	Direct Costs		Services by Others		Additional Services **		Total this Subconsultant (ULC)	\$ 35,616.00	<p>6 _____</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Direct Labor</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Direct Costs</td> <td style="text-align: right; border-bottom: 1px solid black;">\$ -</td> </tr> <tr> <td>Services by Others</td> <td style="text-align: right; border-bottom: 1px solid black;">\$ -</td> </tr> <tr> <td>Additional Services **</td> <td style="text-align: right; border-bottom: 1px solid black;">\$ -</td> </tr> <tr> <td>Total this Subconsultant (ULC)</td> <td style="text-align: right; border-bottom: 1px solid black;">\$ -</td> </tr> </table>	Direct Labor		Direct Costs	\$ -	Services by Others	\$ -	Additional Services **	\$ -	Total this Subconsultant (ULC)	\$ -
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Services by Others	\$ -																				
Additional Services **	\$ -																				
Total this Subconsultant (ULC)	\$ -																				

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ 35,616.00

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ 35,616.00

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: OSEH Inc.

Contract Number: RR-18-4382 S-2

Proposal Date: 4/1/2020

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number: RR-18-4382 S-2

Consultant: OSEH Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2020												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Meetings/FC/Coord				1									1
Concept Report													
Phase II Design	20	55	56	40									171
Survey													
Geotech Invest													
Admin and Management		12	4	4									20
TOTALS	20	67	60	45									192

Contract No.: RR-18-4382 S-2 Consultant: OSEH Inc.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>

- B. **ALLOWABLE DIRECT COSTS - based on link below**
https://www.illinoistollway.com/documents/20184/238673/ALLOWABLE+DIRECT+COSTS_09122018.docx/b3dab352-6ca0-47db-8d7c-db8e8821037b?version=1.5

- C. **OVERTIME PREMIUM**

- D. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

TOTAL DIRECT COSTS (Vehicles, Overtime Premium, Allowable and Itemized) _____

Contract No.: RR-18-4382 S-2

Consultant: OSEH Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

Contract No. RR-18-4382 S-2

OSEH Inc.

SCOPE OF SERVICES

The work completed by OSEH for this project relates to design for the required improvements to I-94 for the proposed Stearns School Road bridge. The proposed improvements on I-94 include: The widening of the outside shoulders at the existing bridge to the standard width.

A request was made by the Tollway to change the northern and southern limits of the project as well as the pavement section design. This request warranted a change in approach in regard to maintenance of traffic on I-94. To that end, tasks identified within this supplement is work directly related to changes requested. These include the following:

Meetings/FC/Coordination - (1 hour)

Total Meetings/FC/Coordination - 1 hour

Phase II Design

Plan and profile sheet revision (1 sheet) (24 hours)

Removal sheet revision (1 sheet) (8 hours)

Revision of MOT General Notes and Sequence (1 sheet) (8 hours)

MOT Typical Sections (2 stages detailed) (3 sheets) (16 hours)

MOT Plans (8 sheets) (30 hours)

Cross section sheet revisions (12 sheets) (55 hours)

Update SP's and quantities (30 hours)

Total Phase II Design- 171 hours

Project Administration

Additional project management QA (20 hours)

Total Project Administration - 20 hours

EXHIBIT G

Contract No. RR-18-4382 S-2

OSEH Inc.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
RR-18-4383	Maintenance of Traffic Studies	\$150,000.00	\$143,341.29	6/30/2023
I-18-4361	EOWA Extension - Signing/Striping Plan	\$110,281.00	\$98,196.65	5/31/2020
I-18-4434	Construction Inspection upon Request - Reagan Memorial Tollway (I-88)	\$250,000.00	\$209,106.84	12/31/2021
I-18-4380	Construction Inspection - Central Tri State (I-294)	\$198,605.44	\$198,605.44	12/31/2021

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-B, D-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-B, D-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	
Services by Others	<u> </u>	
Additional Services **	<u> </u>	
Total this Subconsultant (ULC)		\$ <u> </u> -

7

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ <u> </u> -
Services by Others	<u> </u>	\$ <u> </u> -
Additional Services **	<u> </u>	\$ <u> </u> -
Total this Subconsultant (ULC)		\$ <u> </u> -

2

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	
Services by Others	<u> </u>	
Additional Services **	<u> </u>	
Total this Subconsultant (ULC)		\$ <u> </u> -

8

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ <u> </u> -
Services by Others	<u> </u>	\$ <u> </u> -
Additional Services **	<u> </u>	\$ <u> </u> -
Total this Subconsultant (ULC)		\$ <u> </u> -

3

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ <u> </u> -
Services by Others	<u> </u>	\$ <u> </u> -
Additional Services **	<u> </u>	\$ <u> </u> -
Total this Subconsultant (ULC)		\$ <u> </u> -

9

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ <u> </u> -
Services by Others	<u> </u>	\$ <u> </u> -
Additional Services **	<u> </u>	\$ <u> </u> -
Total this Subconsultant (ULC)		\$ <u> </u> -

4

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ <u> </u> -
Services by Others	<u> </u>	\$ <u> </u> -
Additional Services **	<u> </u>	\$ <u> </u> -
Total this Subconsultant (ULC)		\$ <u> </u> -

10

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ <u> </u> -
Services by Others	<u> </u>	\$ <u> </u> -
Additional Services **	<u> </u>	\$ <u> </u> -
Total this Subconsultant (ULC)		\$ <u> </u> -

5

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ <u> </u> -
Services by Others	<u> </u>	\$ <u> </u> -
Additional Services **	<u> </u>	\$ <u> </u> -
Total this Subconsultant (ULC)		\$ <u> </u> -

11

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ <u> </u> -
Services by Others	<u> </u>	\$ <u> </u> -
Additional Services **	<u> </u>	\$ <u> </u> -
Total this Subconsultant (ULC)		\$ <u> </u> -

6

Direct Labor		
Direct Costs	<u>\$ -</u>	
Services by Others	<u>\$ -</u>	
Additional Services **	<u>\$ -</u>	
Total this Subconsultant (ULC)		<u>\$ -</u>

12

Direct Labor		
Direct Costs	<u>\$ -</u>	
Services by Others	<u>\$ -</u>	
Additional Services **	<u>\$ -</u>	
Total this Subconsultant (ULC)		<u>\$ -</u>

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services): _____

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services): _____

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-B, D-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-B, D-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1		<hr/>	
Direct Labor	<hr/>		
Direct Costs	<hr/>		
Services by Others	<hr/>		
Additional Services **	<hr/>		
Total this Subconsultant (ULC)		\$	<hr/> -

6		<hr/>	
Direct Labor	<hr/>		
Direct Costs	<hr/>	\$	<hr/> -
Services by Others	<hr/>	\$	<hr/> -
Additional Services **	<hr/>	\$	<hr/> -
Total this Subconsultant (ULC)		\$	<hr/> -

2		<hr/>	
Direct Labor	<hr/>		
Direct Costs	<hr/>		
Services by Others	<hr/>		
Additional Services **	<hr/>		
Total this Subconsultant (ULC)		\$	<hr/> -

7		<hr/>	
Direct Labor	<hr/>	\$	<hr/> -
Direct Costs	<hr/>	\$	<hr/> -
Services by Others	<hr/>	\$	<hr/> -
Additional Services **	<hr/>	\$	<hr/> -
Total this Subconsultant (ULC)		\$	<hr/> -

3		<hr/>	
Direct Labor	<hr/>	\$	<hr/> -
Direct Costs	<hr/>	\$	<hr/> -
Services by Others	<hr/>	\$	<hr/> -
Additional Services **	<hr/>	\$	<hr/> -
Total this Subconsultant (ULC)		\$	<hr/> -

8		<hr/>	
Direct Labor	<hr/>	\$	<hr/> -
Direct Costs	<hr/>	\$	<hr/> -
Services by Others	<hr/>	\$	<hr/> -
Additional Services **	<hr/>	\$	<hr/> -
Total this Subconsultant (ULC)		\$	<hr/> -

4		<hr/>	
Direct Labor	<hr/>	\$	<hr/> -
Direct Costs	<hr/>	\$	<hr/> -
Services by Others	<hr/>	\$	<hr/> -
Additional Services **	<hr/>	\$	<hr/> -
Total this Subconsultant (ULC)		\$	<hr/> -

9		<hr/>	
Direct Labor	<hr/>	\$	<hr/> -
Direct Costs	<hr/>	\$	<hr/> -
Services by Others	<hr/>	\$	<hr/> -
Additional Services **	<hr/>	\$	<hr/> -
Total this Subconsultant (ULC)		\$	<hr/> -

5		<hr/>	
Direct Labor	<hr/>	\$	<hr/> -
Direct Costs	<hr/>	\$	<hr/> -
Services by Others	<hr/>	\$	<hr/> -
Additional Services **	<hr/>	\$	<hr/> -
Total this Subconsultant (ULC)		\$	<hr/> -

10		<hr/>	
Direct Labor	<hr/>	\$	<hr/> -
Direct Costs	<hr/>	\$	<hr/> -
Services by Others	<hr/>	\$	<hr/> -
Additional Services **	<hr/>	\$	<hr/> -
Total this Subconsultant (ULC)		\$	<hr/> -

** Additional services funds require prior authorization before use

**TOTAL Non-DBE/MBE/WBE Subconsultants: \$

 -**

**TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$

 -**

**TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$

 -**

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: SINGH & Associates, Inc.

Contract Number: RR-18-4382 S-2

Proposal Date: 4/1/2020

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number: RR-18-4382 S-2

Consultant: SINGH & Associates, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

												Grand Total Exhibit A Hours	318
MONTHS of YEAR 2020												TOTAL HOURS	
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Phase II Design	30	90	90	80	20	8							318
TOTALS	30	90	90	80	20	8							318

Contract No.: RR-18-4382 S-2

Consultant: SINGH & Associates, Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F
CONTRACT RR-18-4382 S-2
(Singh & Associates, Inc.)
SCOPE OF SERVICES

SINGH & Associates, Inc. (SINGH), as a sub-consultant to STV, Inc., shall be responsible to provide Phase II engineering services for Tollway PSB 18-2 Item 2, RR-18-4382, Tri-State Tollway, Stearns School Road Bridge Reconstruction, (M.P. 7.5).

The Amendment No. 2 design services shall consist of the following tasks:

TASK 03. PHASE II DESIGN

A. Items related to additional coordination with the Lake County DOT

- As part of the continuing coordination effort with the Lake County DOT it was indicated by Lake County that the stormwater detention along Stearns School Road would not be required. This was a change from what was presented in the Concept Report through the Pre-Final Plans.
- Modifications to the shared-use path were also required as part of the coordination effort.
- The in-line stormwater detention system that was designed was located along Stearns School Road, east and west of I-94.
- This effort included additional coordination with Lake County, additional drainage analysis for the removal of detention system, preparation of a design deviation for the detention east of I-94, updates to the drainage report, and revisions to the plans, special provisions, pay items and quantities.

Total: 270 hours

B. Additional analysis related to the Village of Gurnee watermain

- The Village of Gurnee's existing watermain traverses under I-94 just south of the Stearns School Road bridge. Per discussions with the Village they expressed concerns about their watermain related to the improvements as part of this project. Additional SUE information was acquired through a Tollway SUE consultant.
- The additional effort involved coordination Tollway SUE consultant, analysis of the information provided by the SUE consultant, and modifications to the design of the culverts and ditches along I-94 to provide adequate clearance from the watermain, revisions to the plans, special provisions, pay items and quantities.

Total: 32 hours

C. Revise the I-94 plans to modify the outside shoulder design

- Per comments provided by the Tollway, the design of the outside shoulder was modified in order to increase the pavement section and lengthen the taper. This was a change to what was presented in the Concept Report through the Pre-Final Plans.
- The change also extended the limits of the improvement on I-94.
- Revision of drainage along I-94 as a result of the roadway design updates along I-94.

Total: 16 hours

EXHIBIT G

**Contract No. RR-18-4382 S-2
SINGH & Associates, Inc.
CURRENT OBLIGATIONS FOR PROJECT**

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining to be Earned	Estimated Date of Completion
	Marseilles Armory	\$ 87,700	\$ 6,000	Jan-20
D-92-026-11; PTB 158/016	Various Phase I/II Projects (Sub)	\$ 220,000	\$ 12,000	Dec-20
D-91-311-13; PTB 168/011	District 1 Various Signals (Prime)	\$ 600,000	\$ 121,000	Apr-20
P-91-376-13; PTB 168/006	Smart Highway Design Along I-94/US 41 from Kennedy/Edens Junction to WI State Line - Lighting (Sub)	\$ 369,000	\$ 248,500	12/31/2017
P-91-195-14; PTB 171-006	Phase I Various ADA Projects (Sub)	\$ 102,000	\$ 34,000	8/7/2019
D-91-354-14; PTB 172-008	Various ITS and Electrical Projects, DUR (Prime)	\$ 500,000	\$ 274,000	1/23/2020
P-91-442-14; PTB 173-006	Phase I Studies for Various Projects (Sub)	\$ 186,000	\$ 61,000	per work order
D-30-003-15; PTB 174-017	Various Pump Station Project (Sub)	\$ 71,000	\$ 27,000	10/15/2025
P-91-1251-15; PTB 174-001	Phase I Studies for Various Projects (Sub)	\$ -	\$ -	per work order
D-91-130-15; PTB 174-003	IL 53, W. Arsenal Rd to US 52	\$ 42,000	\$ 30,500	8/18/2017
P-91-224-15; PTB 175-011	Various Phase I Projects (Sub)	\$ 163,000	\$ 24,000	12/15/2023
D-91-113-15; PTB 175-015	IL 53, IL 68 from US 12 to Kennedy Drive/Frontage Road, Phase II Project (Sub)	\$ 100,250	\$ 3,950	10/31/2019
PTB 162-006	REVLAC (Sub)	\$ 65,000	\$ 39,600	7/1/2018
P-91-475-16 PTB 181-003	IL 43, 46th Street to Archer Avenue (Sub)	\$ 153,500	\$ 53,250	10/10/2020
D-91-115-17; PTB 182-004	Various Phase II Projects (Sub)	\$ 84,000	\$ 17,000	3/2/2020
22040124 17- 103616	Strategic & Financial Planning Assistance for Alternative Contracting Methods (Sub)	\$ 194,250	\$ 113,450	10/24/2019
D-91-215-17; PTB 185-014	East Avenue at 47th Street Intersection (Prime)	\$ 654,500	\$ 373,800	8/9/2028
P-91-002-18 ; PTB 185-001	Various Phase I Project	\$ 90,000	\$ 40,900	1/31/2023
D-91-229-18; PTB 186-001	I-90/94 at Montrose Avenue Structure (Sub)	\$ 31,000	\$ -	7/31/2020
D-91-254-18; PTB 187-005	IL 72 at State Street/Getzelman Road (Sub)	\$ 43,300	\$ 43,300	12/31/2020
D-91-253-18; PTB 187-006	Various Phase II Projects (Sub)	\$ 57,000	\$ -	6/30/2021
D-91-368-18; PTB 189-011	Phase II Engineering for I-55 from I-80 to US 52 (Sub)	\$ 421,500	\$ 421,500	3/1/2021

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining to be Earned	Estimated Date of Completion
D-91-061-19; PTB 190-015	Various Lighting & Electrical District One (Prime)	\$ 500,000	\$ 500,000	5/1/2024
D-91-067-19; PTB 190-019	FAP 344, IL 83 (127th Street) At Cal Sag Channel, Phase II (Sub)	Unknown	\$ -	Unknown
P-94-017- 17/D94-039-17 ; PTB 190-027	Bridge Replacement/Rehabilitation, Adams Street over BNSF RR, UP RR and Clark Street Phase I/II (Sub)	\$ 17,600	\$ 12,000	6/30/2020
PTB 159-009; D-91-402-11	Various Traffic Signals (Sub)	\$ 98,000		1/19/2018
OP&P-2019- 26	Innovative Project Delivery Technical and Project Management Advisory (Sub)	per work order	\$ -	6/3/2022
I-17-4680	EOWA, Construction Admin (sub)	\$ 8,500	\$ 8,500	Jun-20
I-13-4623	Elgin-O'Hare Western Access, IL 19 Interchange(Sub)	\$ 277,450	\$ 66,200	Jun-20
I-14-4196 / 22033896	I-90 and Systemwide, Design Services Upon Request. On-call and as-needed Phase II Engineering Services (Sub)	\$ 327,000	\$ -	Dec-19
I-14-5703 / 22035093	Design Upon Request, Systemwide	\$ 4,500,000	\$ 1,243,000	Dec-20
RR-16-4267 / 22038321	Manintenance Facility Design (Sub)	\$ 185,300	\$ 12,000	Jun-20
I-17-4305 / 22040505	Tri-State Tollway Bridge Rehabilitation, Repairs & Demolition, Various Locations (Sub)	\$ 160,900	\$ 36,500	Dec-19
I-17-4296 / 22040482	Tri-State Tollway Reconstruction, 95th Street to LaGrange Road (Sub)	\$ 566,800	\$ 83,300	Dec-19
I-17-4306 / 22040506	Tri-State Tollway, Bridge Rehabilitation, Repairs, & Demolition, Various Locations (Sub)	\$ 135,000	\$ 58,000	Dec-19
I-17-4309 / 22040511	Tri-State Tollway, Advanced MOT Rehabilitation, 95th Street to EW Connector (Sub)	\$ 48,000	\$ -	Dec-19
I-17-4299 / 22040488	Tri-State Tollway Reconstruction, EW Connector to Roosevelt Rd. (Sub)	\$ 185,000	\$ 26,000	Dec-19
I-18-4361 / 22041926	EOWA, West Extension (Sub)	\$ 66,500	\$ 66,000	Dec-20
RR-18-9008 / 22042192	Systemwide, Design Upon Request, Non-Roadway	\$ 2,000,000	\$ 1,803,605	Dec-22
RR-18-4381 / 22042191	Reagan Memorial Tollway, Pavement and Structural Preservation and Rehabilitation, MP 113.3 (IL 45) to MP 117.8 (Aurora Toll Plaza) (Sub)	\$ 258,000	\$ 2,176	Dec-19
RR-18-4382 / 22042188	Tri-State Tollway, Stearns School road Bridge Reconstruction (Sub)	\$ 323,000	\$ 20,000	Jun-20
RR-18-4379 / 22042189	Reagan Memorial Tollway, Roadway and Bridge Rehabilitation, MP 117.8 (Aurora Toll Plaza) to MP 123.4 (IL 59) (Sub)	\$ 251,300	\$ -	Dec-19
RR-18-9210 / 22042820	ITS Services Upon Request (JV)	\$ 800,000	\$ 789,300	Dec-21

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-B, D-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-B, D-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	
Services by Others	<u> </u>	
Additional Services **	<u> </u>	
Total this Subconsultant (ULC)	<u> </u>	\$ -

7

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ -
Services by Others	<u> </u>	\$ -
Additional Services **	<u> </u>	\$ -
Total this Subconsultant (ULC)	<u> </u>	\$ -

2

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	
Services by Others	<u> </u>	
Additional Services **	<u> </u>	
Total this Subconsultant (ULC)	<u> </u>	\$ -

8

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ -
Services by Others	<u> </u>	\$ -
Additional Services **	<u> </u>	\$ -
Total this Subconsultant (ULC)	<u> </u>	\$ -

3

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ -
Services by Others	<u> </u>	\$ -
Additional Services **	<u> </u>	\$ -
Total this Subconsultant (ULC)	<u> </u>	\$ -

9

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ -
Services by Others	<u> </u>	\$ -
Additional Services **	<u> </u>	\$ -
Total this Subconsultant (ULC)	<u> </u>	\$ -

4

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ -
Services by Others	<u> </u>	\$ -
Additional Services **	<u> </u>	\$ -
Total this Subconsultant (ULC)	<u> </u>	\$ -

10

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ -
Services by Others	<u> </u>	\$ -
Additional Services **	<u> </u>	\$ -
Total this Subconsultant (ULC)	<u> </u>	\$ -

5

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ -
Services by Others	<u> </u>	\$ -
Additional Services **	<u> </u>	\$ -
Total this Subconsultant (ULC)	<u> </u>	\$ -

11

Direct Labor	<u> </u>	
Direct Costs	<u> </u>	\$ -
Services by Others	<u> </u>	\$ -
Additional Services **	<u> </u>	\$ -
Total this Subconsultant (ULC)	<u> </u>	\$ -

6

Direct Labor	<u> </u>	
Direct Costs	<u>\$ -</u>	
Services by Others	<u>\$ -</u>	
Additional Services **	<u>\$ -</u>	
Total this Subconsultant (ULC)		<u>\$ -</u>

12

Direct Labor	<u> </u>	
Direct Costs	<u>\$ -</u>	
Services by Others	<u>\$ -</u>	
Additional Services **	<u>\$ -</u>	
Total this Subconsultant (ULC)		<u>\$ -</u>

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-B, D-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-B, D-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	<hr/>		
Direct Labor	<hr/>		
Direct Costs	<hr/>		
Services by Others	<hr/>		
Additional Services **	<hr/>		
Total this Subconsultant (ULC)		\$	-

6	<hr/>		
Direct Labor	<hr/>		
Direct Costs	<hr/>	\$	-
Services by Others	<hr/>	\$	-
Additional Services **	<hr/>	\$	-
Total this Subconsultant (ULC)		\$	-

2	<hr/>		
Direct Labor	<hr/>		
Direct Costs	<hr/>		
Services by Others	<hr/>		
Additional Services **	<hr/>		
Total this Subconsultant (ULC)		\$	-

7	<hr/>		
Direct Labor	<hr/>	\$	-
Direct Costs	<hr/>	\$	-
Services by Others	<hr/>	\$	-
Additional Services **	<hr/>	\$	-
Total this Subconsultant (ULC)		\$	-

3	<hr/>		
Direct Labor	<hr/>	\$	-
Direct Costs	<hr/>	\$	-
Services by Others	<hr/>	\$	-
Additional Services **	<hr/>	\$	-
Total this Subconsultant (ULC)		\$	-

8	<hr/>		
Direct Labor	<hr/>	\$	-
Direct Costs	<hr/>	\$	-
Services by Others	<hr/>	\$	-
Additional Services **	<hr/>	\$	-
Total this Subconsultant (ULC)		\$	-

4	<hr/>		
Direct Labor	<hr/>	\$	-
Direct Costs	<hr/>	\$	-
Services by Others	<hr/>	\$	-
Additional Services **	<hr/>	\$	-
Total this Subconsultant (ULC)		\$	-

9	<hr/>		
Direct Labor	<hr/>	\$	-
Direct Costs	<hr/>	\$	-
Services by Others	<hr/>	\$	-
Additional Services **	<hr/>	\$	-
Total this Subconsultant (ULC)		\$	-

5	<hr/>		
Direct Labor	<hr/>	\$	-
Direct Costs	<hr/>	\$	-
Services by Others	<hr/>	\$	-
Additional Services **	<hr/>	\$	-
Total this Subconsultant (ULC)		\$	-

10	<hr/>		
Direct Labor	<hr/>	\$	-
Direct Costs	<hr/>	\$	-
Services by Others	<hr/>	\$	-
Additional Services **	<hr/>	\$	-
Total this Subconsultant (ULC)		\$	-

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: Bravo Company Engineering, Inc.

Contract Number: RR-18-4382 S-2

Proposal Date: 4/1/2020

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract No.: RR-18-4382 S-2

Consultant: Bravo Company Engineering, Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

Contract No. RR-18-4382 S-2

Bravo Company Engineering, Inc.

SCOPE OF SERVICES

1. Items related to additional coordination with the Lake County DOT
 - a. As part of the continuing coordination effort with the Lake County DOT it was indicated by Lake County that the stormwater detention along Stearns School Road would not be required. This was a change from what was presented in the Concept Report through the Pre-Final Plans.
 - b. Modifications to the shared-use path were also required as part of the coordination effort.
 - c. The in-line stormwater detention system that was designed was located along Stearns School Road, east and west of I-94.
 - d. This effort included additional coordination with Lake County, additional drainage analysis for the removal of detention system, preparation of a design deviation for the detention east of I-94, updates to the drainage report, and revisions to the plans, special provisions, pay items and quantities.
2. Additional analysis related to the Village of Gurnee watermain
 - a. The Village of Gurnee's existing watermain traverses under I-94 just south of the Stearns School Road bridge. Per discussions with the Village they expressed concerns about their watermain related to the improvements as part of this project. Additional SUE information was acquired through a Tollway SUE consultant.
 - b. The additional effort involved coordination Tollway SUE consultant, analysis of the information provided by the SUE consultant, and modifications to the design of the culverts and ditches along I-94 to provide adequate clearance from the watermain, revisions to the plans, special provisions, pay items and quantities.
3. Revise the I-94 plans to modify the outside shoulder design
 - a. Per comments provided by the Tollway, the design of the outside shoulder was modified in order to increase the pavement section and lengthen the taper. This was a change to what was presented in the Concept Report through the Pre-Final Plans.
 - b. The change also extended the limits of the improvement on I-94.
 - c. Revisions were required to the removal plans, roadway plans, MOT plans, cross-sections, special provisions, pay items and quantities.

EXHIBIT G

Contract No. RR-18-4382 S-2

Bravo Company Engineering, Inc.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
D-91-295-18	Phase II Services for IL 31 over US 20	\$7,573.00	\$3,483.00	12/31/2020
RR-18-9013	CM Upon Request, Non Roadway	\$150,000.00	\$18,041.10	3/31/2020
RR-16-4277	CM Services for I-94,MP 21.85 to 25.2	\$270,497.22	\$12,963.02	3/31/2020
RR-18-4382	Phase II, Tri-State, Stern School Road Bridge	\$124,476.80	\$12,763.73	7/31/2020
RR-18-4360	Systemwide, CM Upon Request	\$60,000.00	\$54,466.70	12/31/2020
I-18-4409	Construction Management Services Upon Request	\$60,000.00	\$60,000.00	12/31/2020
I-18-4352	Windsor Road Bridge Reconstruction	\$38,400.00	\$38,400.00	12/31/2020
RR-18-9206	Materials Engineering Services, Systemwide	\$99,375.00	\$99,375.00	12/31/2023
19025510	Upgrade Fire Alarm System and Public Address System, Chicago-Read Mental Health Center - Cook County	\$33,764.00	\$13,517.00	3/25/2023
ID-9003(495	143rd Street (CH 37) Reconstruction	\$85,999.53	\$85,999.53	12/31/2020
20021810	Replace Light Poles, Chicago State University	\$24,350.00	\$24,350.00	12/31/2020
I-19-4462	Tri-State Tollway, Archer Avenue Interchange Bridges at I-294, Construction Management Services	\$283,497.66	\$283,497.66	10/31/2022
RR-19-4461	Facilities, Construction Management Services Upon Request	\$720,000.00	\$720,000.00	6/30/2022
	Mid Block Crossings	\$49,999.00	\$42,240.26	
I-19-4479	Tri-State Tollway, Roadway Recon, 75th Street to I-55 Ramps; CM Services	\$800,000.00	\$800,000.00	12/31/2022

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-B, D-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-B, D-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1

Direct Labor	_____	
Direct Costs	_____	
Services by Others	_____	
Additional Services **	_____	
Total this Subconsultant (ULC)	\$ _____	-

7

Direct Labor	_____	
Direct Costs	\$ _____	-
Services by Others	\$ _____	-
Additional Services **	\$ _____	-
Total this Subconsultant (ULC)	\$ _____	-

2

Direct Labor	_____	
Direct Costs	_____	
Services by Others	_____	
Additional Services **	_____	
Total this Subconsultant (ULC)	\$ _____	-

8

Direct Labor	_____	
Direct Costs	\$ _____	-
Services by Others	\$ _____	-
Additional Services **	\$ _____	-
Total this Subconsultant (ULC)	\$ _____	-

3

Direct Labor	_____	
Direct Costs	\$ _____	-
Services by Others	\$ _____	-
Additional Services **	\$ _____	-
Total this Subconsultant (ULC)	\$ _____	-

9

Direct Labor	_____	
Direct Costs	\$ _____	-
Services by Others	\$ _____	-
Additional Services **	\$ _____	-
Total this Subconsultant (ULC)	\$ _____	-

4

Direct Labor	_____	
Direct Costs	\$ _____	-
Services by Others	\$ _____	-
Additional Services **	\$ _____	-
Total this Subconsultant (ULC)	\$ _____	-

10

Direct Labor	_____	
Direct Costs	\$ _____	-
Services by Others	\$ _____	-
Additional Services **	\$ _____	-
Total this Subconsultant (ULC)	\$ _____	-

5

Direct Labor	_____	
Direct Costs	\$ _____	-
Services by Others	\$ _____	-
Additional Services **	\$ _____	-
Total this Subconsultant (ULC)	\$ _____	-

11

Direct Labor	_____	
Direct Costs	\$ _____	-
Services by Others	\$ _____	-
Additional Services **	\$ _____	-
Total this Subconsultant (ULC)	\$ _____	-

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-B, D-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-B, D-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1			
	Direct Labor		
	Direct Costs		
	Services by Others		
	Additional Services **		
	Total this Subconsultant (ULC)	\$ -	

6			
	Direct Labor		
	Direct Costs	\$ -	
	Services by Others	\$ -	
	Additional Services **	\$ -	
	Total this Subconsultant (ULC)	\$ -	

2			
	Direct Labor		
	Direct Costs		
	Services by Others		
	Additional Services **		
	Total this Subconsultant (ULC)	\$ -	

7			
	Direct Labor	\$ -	
	Direct Costs	\$ -	
	Services by Others	\$ -	
	Additional Services **	\$ -	
	Total this Subconsultant (ULC)	\$ -	

3			
	Direct Labor	\$ -	
	Direct Costs	\$ -	
	Services by Others	\$ -	
	Additional Services **	\$ -	
	Total this Subconsultant (ULC)	\$ -	

8			
	Direct Labor	\$ -	
	Direct Costs	\$ -	
	Services by Others	\$ -	
	Additional Services **	\$ -	
	Total this Subconsultant (ULC)	\$ -	

4			
	Direct Labor	\$ -	
	Direct Costs	\$ -	
	Services by Others	\$ -	
	Additional Services **	\$ -	
	Total this Subconsultant (ULC)	\$ -	

9			
	Direct Labor	\$ -	
	Direct Costs	\$ -	
	Services by Others	\$ -	
	Additional Services **	\$ -	
	Total this Subconsultant (ULC)	\$ -	

5			
	Direct Labor	\$ -	
	Direct Costs	\$ -	
	Services by Others	\$ -	
	Additional Services **	\$ -	
	Total this Subconsultant (ULC)	\$ -	

10			
	Direct Labor	\$ -	
	Direct Costs	\$ -	
	Services by Others	\$ -	
	Additional Services **	\$ -	
	Total this Subconsultant (ULC)	\$ -	

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -