

Division of Transportation

Martin G. Buehler, P.E.
Director of Transportation/County Engineer

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Memo

To: Martin G. Buehler, P.E.

File:

From: Paula J. Trigg, P.E.

Sect: 083

Subj: Cash Donation for Old McHenry Road - Long Grove

Date: 08/19/09

☒ For Your Info/Files ☐ Review and Comment ☐ Please Reply for my Signature ☐ Please Report on Current Status
☐ Per Your Request ☐ Investigate and Report ☐ Please Call/See Me ☐ For Your Approval and Signature
☐ Please Process ☐ Note and Return OK'd by _____ Date _____

Attached is a cost estimate in the amount of \$85,860 which represents the Village of Long Grove's Archer Road Development access related costs for widening on Old McHenry Road for the re-development in the southeast corner of Old McHenry Road and Robert Parker Coffin Road. Also attached is an aerial view of the site, the interim access geometry and the geometry that is the basis of the \$85,860 cost estimate.

Under the Lake County Highway Access Regulation Ordinance, the Village Archer Road Development warrants left and right turn lanes for their proposed connection of Archer Road to Old McHenry Road based on the traffic that will be generated by their re-development. The LCDOT has a proposed project for Old McHenry Road in the 2009-2014 5-Year Highway Improvement Program which shows reconstruction of Old McHenry Road in the downtown Long Grove Area. It is anticipated by LCDOT that the downtown area will be widened to our typical three-lane section from IL RTE 53 to the intersection of Robert Parker Coffin Road; the center lane would provide the median/left turn lane. As the three-lane section was already anticipated to be built by LCDOT, we did not include the left turn lane work for the Archer Road connection as part of the cost attributable to the Village improvement. We recommend accepting this cash donation toward the construction of the LCDOT Old McHenry Road project in place of the Village Archer Road Development constructing the right turn lane at this time which would be removed during the widening and reconstruction of Old McHenry Road.

Of the amount of \$85,860, \$73,384 is for the construction of the access related improvements and the remaining \$12,476 is for the design and construction engineering supervision.

Should the cash donation be accepted, the Village will construct the access connection without turn lanes at this time upon issuance of the Major Access Permit, please refer to the interim geometric plan. The Village will provide a Cashier's Check in the amount of \$85,860 to Lake County upon acceptance by the Public Works and Transportation Committee.

This work will be added to the County's Construction job: 00-00083-07-RS.

CC: Permit File

Village of Long Grove

Old Mchenry Road Right Turn Lane

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

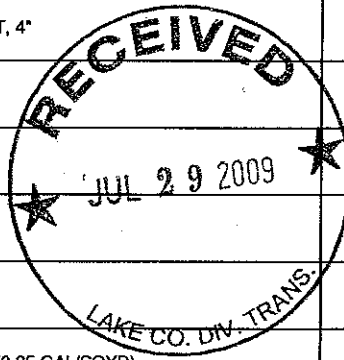
Date: July 28th, 2009



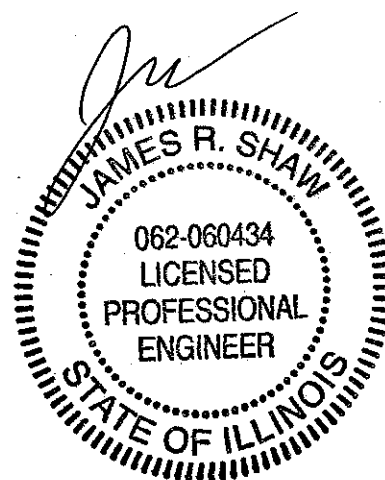
VILLAGE OF
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IDOT PAY ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
20001050	AGGREGATE SUBGRADE 12"	SQ YD	465	\$15.00	\$6,975.00
20200100	EARTH EXCAVATION	CU YD	315	\$20.00	\$6,303.59
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	32	\$25.00	\$787.95
20700420	POUROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	32	\$32.00	\$1,008.57
20800150	TRENCH BACKFILL	CU YD	113	\$35.00	\$3,955.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	563	\$2.00	\$1,126.00
21101505	TOPSOIL, EXCAVATION AND PLACEMENT, 4"	CU YD	102	\$15.00	\$1,530.00
25200110	SODDING SALT TOLERANT	SQ YD	78	\$6.00	\$468.00
28000500	INLET AND PIPE PROTECTION	EACH	2	\$125.00	\$250.00
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	169	\$20.00	\$3,380.00
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	77	\$25.00	\$1,925.00
40600100	BITUMINOUS MATERIALS (PRIME COAT) (0.35 GAL/SQYD)	GALLON	114	\$0.10	\$11.40
40600300	AGGREGATE (PRIME COAT) (4 LB/SQ YD)	TON	1.5	\$1.00	\$1.50
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	146	\$72.00	\$10,512.00
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	62	\$78.00	\$4,836.00
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	112	\$34.00	\$3,808.00
60107600	PIPE UNDERDRAINS 4"	FOOT	110	\$15.00	\$1,650.00
60200305	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	\$2,000.00	\$2,000.00
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1	\$1,000.00	\$1,000.00
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	362	\$20.00	\$7,240.00
70102620	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM	1	\$5,000.00	\$5,000.00
72000100	SIGN PANEL-TYPE I	SQ FT	7	\$20.00	\$140.00
72900100	METAL POST-TYPE A	FOOT	10	\$9.50	\$95.00
78000100	TERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	37	\$5.00	\$185.00
78000400	TERMOPLASTIC PAVMENT MARKING - LINE 6"	FOOT	125	\$0.75	\$93.75



IDOT PAY ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	215	\$0.60	\$129.00
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	19	\$4.00	\$76.00
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	137	\$3.00	\$411.84
78300105	PAVEMENT MARKING REMOVAL	FOOT	50	\$2.00	\$100.00
X0322903	SAW CUTTING, (FULL DEPTH)	FOOT	335	\$2.00	\$670.00
X0324872	CAST-IN-PLACE TACTILE/DETECTABLE WARNING SURFACE SYSTEM FOR RAMPS FOR ADA RAMPS	SQ FT	16	\$40.00	\$640.00
X0324915	RELOCATE LIGHTING UNITS AND POLES	EACH	2	\$1,500.00	\$3,000.00
X7240505	RELOCATE SIGN PANEL AND POST	EACH	1	\$75.00	\$75.00
	RELOCATE POWER POLES	EACH	2	\$2,000.00	\$4,000.00
		TOTAL			\$73,383.60
	DESIGN AND CONSTRUCTION ENGINEERING (17% OF CONSTRUCTION TOTAL)				\$12,475.21
		OPINION OF COST			\$85,858.81



Exp 11-30-2009