

February 14, 2024

MEMORANDUM

To: Shelley Caltagirone, Director of Community Development

From: Daniel A. Pennington, P.E., Town Engineer / Manager of Physical Services



Re: Crosby II Subdivision
Bond Recommendation for Final Subdivision Approval

Forwarded herewith is an itemized construction cost estimate for the remaining public improvements associated with the above-referenced subdivision. Based on this estimate it is recommended that bonding be set as follows:

Construction Bond	\$219,400
5% Maintenance Bond	\$17,200

**BOND ESTIMATE FOR FINAL APPROVAL
CROSBY II SUBDIVISION
PUBLIC IMPROVEMENTS
FEBRUARY 2024**

DESCRIPTION	UNIT	TOTAL EST QUANTITY	QUANTITY COMPLETED	REMAINING QUANTITY	UNIT PRICE	TOTAL COST	BOND AMOUNT
CLEARING AND GRUBBING- ROADWAY	AC	0.75	0.75	0.00	\$9,000.00	\$6,750.00	\$ -
STRIP TOPSOIL	CY	400	400	0.00	\$7.50	\$3,000.00	\$ -
EARTH EXCAVATION (ROADWAY)	CY	1,600	1,600	0.00	\$22.00	\$35,200.00	\$ -
FORMATION OF SUBGRADE	SY	1,100	1,100	0.00	\$3.50	\$3,850.00	\$ -
SUBBASE	CY	300	300	0.00	\$50.00	\$15,000.00	\$ -
PROCESSED STONE BASE	TON	250	250	0.00	\$42.00	\$10,500.00	\$ -
BITUMINOUS CONCRETE 1-1/2" HMA S0.375	TON	95		95.00	\$165.00	\$15,675.00	\$ 15,675
BITUMINOUS CONCRETE 2" HMA S0.50	TON	130	130	0.00	\$165.00	\$21,450.00	\$ -
MATERIAL FOR TACK COAT	GAL	110		110.00	\$7.00	\$770.00	\$ 770
BITUMINOUS CONCRETE DRIVEWAY	SY	134		134.00	\$68.00	\$9,112.00	\$ 9,112
BITUMINOUS CONCRETE LIP CURBING	LF	350		350.00	\$10.00	\$3,500.00	\$ 3,500
BITUMINOUS CONCRETE CAPE COD CURBING	LF	290		290.00	\$10.00	\$2,900.00	\$ 2,900
CUT BITUMINOUS CONCRETE PAVEMENT	LF	225		225.00	\$3.25	\$731.25	\$ 731
CONCRETE SIDEWALK	SF	840		840.00	\$15.00	\$12,600.00	\$ 12,600
CONCRETE SIDEWALK RAMP	SF	40		40.00	\$28.00	\$1,120.00	\$ 1,120
DETECTABLE WARNING SURFACE	SF	8		8.00	\$72.00	\$576.00	\$ 576
REMOVE EXISTING PAVEMENT	S.Y	525		525.00	\$17.50	\$9,187.50	\$ 9,188
ELECTRICAL SERVICES	LF	300	300	0.00	\$30.00	\$9,000.00	\$ -
SEDIMENTATION CONTROL SYSTEM (SILT FENCE-ROADWAY)	LF	200		200.00	\$6.00	\$1,200.00	\$ 1,200
SEDIMENTATION CONTROL SYSTEM (CATCH BASINS)	EA	2		2.00	\$150.00	\$300.00	\$ 300
ANTI-TRACKING PAD	EA	1	1	0.00	\$2,000.00	\$2,000.00	\$ -
STREET TREES (NOT BONDED PER OCD)	EA	18		18.00	\$750.00	\$13,500.00	\$ -
MONUMENTATION (RIGHT OF WAY)	EA	6		6.00	\$250.00	\$1,500.00	\$ 1,500
IRON PINS (LOTS AND CONS. EASE.)	EA	25		25.00	\$200.00	\$5,000.00	\$ 5,000
FURNISH AND PLACING TOPSOIL (ROADWAY EXCAVATION)	SY	1,100		1,100.00	\$12.00	\$13,200.00	\$ 13,200
TURF ESTABLISHMENT (ROADWAY EXCAVATION)	SY	1,100		1,100.00	\$3.00	\$3,300.00	\$ 3,300
(2) 15,000 GAL. CONCRETE FIRE TANKS (COMPLETE)	LS	1		1.00	\$130,000.00	\$130,000.00	\$ 130,000
AS-BUILT PLANS	LS	1		1.00	\$5,000.00	\$5,000.00	\$ 5,000
CONSTRUCTION STAKING	LS	1	0.5	0.50	\$7,500.00	\$7,500.00	\$ 3,750
TOTAL CONSTRUCTION ITEMS:						\$ 343,422	\$ 219,400
5% MAINTENANCE TOTAL (FOR ALL PUBLIC IMPROVEMENTS)						\$ 17,200	\$ 17,200
TOTAL CONSTRUCTION COST:							\$ 236,600