



Diane Nichols Tradd
Assistant City Manager/DPD Director

Craig Thomas
Deputy Director

MEMORANDUM

TO: Eileen M. Donoghue, City Manager

FROM: Diane N. Tradd, Assistant City Manager/DPD Director

SUBJECT: MOTION OF 6/23/20 BY COUNCILOR CONWAY: REQ. CITY MGR. PROVIDE AN UPDATE ON THE STATUS AND PROGRESS OF RT. 133 (ANDOVER STREET) IN REGARDS TO CALMING SOLUTIONS FOR SAFETY AND TRAFFIC

In FY2020, the City Council appropriated \$200,000 for pedestrian improvements on Andover Street (Rte. 133). The DPW Commissioner, the City Engineer and the Transportation Engineer met for a site visit to determine appropriate next steps along Andover Street. The following are the planned interventions:

- Shift Crosswalk & RRFB at Andover/Douglas to the other side of the intersection. Increases visibility of people waiting to cross by moving the crossing away from the large tree. Increases safety of crossers because it moves the crosswalk away from the left turning movement out of Douglas Road.
- Add ADA-accessible Wheelchair ramps (WCR) with detectible panels. Currently, the crosswalk is not ADA-compliant. Use thermoplastic to improve longevity when replacing the crosswalk.
- Install 100 LF of 4' wide asphalt sidewalk along north side of Andover Street at missing section in front of 658 Andover Street.
- Install 135 LF of 4' wide asphalt sidewalk along south side of Andover Street at missing section in front of 727 Andover Street.
- Install ADA-accessible wheelchair ramps with detectable warning panels and painted crosswalk on Clark Road.
- Install 6" high raised crosswalks on Raven Road at the intersection with Andover Street to slow cross traffic.
- Install 3" high speed hump on Clark Road at the intersection with Andover Street to slow cross traffic.
- Develop a pilot program for a median along Andover Street from Clark to Douglas Road. Install Flex posts, adhered with epoxy (no penetration of the concrete roadway) every 25' along the yellow dashed lines, leaving breaks/turn lanes at cross streets. The intent will be to prevent vehicles from passing in the center lane and reducing speeds due to a perceived reduction in lane width.
- Develop a scope and put out an RFP for a traffic calming study for Andover Street. The study will review current conditions, determine traffic control measures that would be appropriate and can help the City plan for future projects along Andover Street.

See attached Concept plan and cost estimate for more detail.

NV/ns

9/1/20

cc: Ting Chang, PE, City Engineer
Christine Clancy, PE, DPW Commissioner
Natasha Vance, PE, Transportation Engineer

DRAFT: Andover Street Traffic Improvement Cost Estimate

<u>Item #</u>	<u>Item Description</u>	<u>Units</u>	<u>Unit Price</u>	<u>Total Quantity</u>	<u>Total Price</u>
120.10	UNCLASSIFIED EXCAVATION	CY	\$ 50.00	64	\$3,200.00
151.00	GRAVEL BORROW	CY	\$ 55.00	76	\$4,180.00
127.10	REINFORCED CONCRETE EXCAVATION	CY	\$ 3,000.00	5	\$15,000.00
482.40	SAWCUTTING PORTLAND CEMENT CONCRETE	FT	\$ 10.00	450	\$4,500.00
580.00	CURB REMOVED AND RESET	FT	\$ 50.00	150	\$7,500.00
701.20	CEMENT CONCRETE WHEELCHAIR RAMP	SY	\$ 150.00	63	\$9,450.00
702.00	HOT MIX ASPHALT SIDEWALK OR DRIVEWAY	TON	\$ 250.00	90	\$22,378.00
804.20	2 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)	FT	\$ 100.00	230	\$23,000.00
813.30	WIRE TYPE 7 NO. 10 GENERAL PURPOSE	FT	\$ 3.00	920	\$2,760.00
817.41	SIGNAL BASE PEDESTAL - 15 INCH SQUARE	EA	\$ 600.00	2	\$1,200.00
824.50	FLASHING WARNING BEACON REMOVED AND RESET	EA	\$ 3,000.00	2	\$6,000.00
834.17	REFLECTORIZED FLEXIBLE DELINEATOR POST (AMBER)	EA	\$ 75.00	178	\$13,332.00
854.10	PAVEMENT MARKING REMOVAL	SF	\$ 2.50	600	\$1,500.00
864.04	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	SF	\$ 20.00	750	\$15,000.00
866.112	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	FT	\$ 4.00	220	\$880.00
874.20	TRAFFIC SIGN REMOVED AND RESET	EA	\$ 200.00	2	\$400.00
999.99	POLICE DETAILS	LS	\$ 15,000.00	1	\$15,000.00
				Contingency (15%)	\$21,792.00
				SUBTOTAL:	\$167,072.00
999.98	TRAFFIC CALMING STUDY	LS	\$ 50,000.00	1	\$50,000.00
				TOTAL	\$217,072.00

