

Lisa M. Cagno

From: Charles A. Ranaghan
Sent: Monday, September 14, 2020 2:19 PM
To: Lisa M. Cagno
Subject: Finance Committee Paper
Attachments: Medford & Highland (08-31).pdf; Medford & Highland Intersection Improvements- Cost Estimate- 9-1-20.pdf

Lisa,

In anticipation of the Finance Committee tomorrow night could you please forward this information to the Committee?

Each year we receive funds from the Commonwealth of Massachusetts related to a TNC surcharge that is imposed upon every Uber and Lyft ride originating in the City. TNC = Transportation Network Company. A fee of .20 cents for every ride originating in each municipality is charged of which we receive .10 cents per ride. Last year we received \$118K and appropriated the funds towards upgrades at the intersections of Washington/Winter/Glenwood/Grove Streets.

This year we received \$132,149.50 from just over 1 million rides (1,321,495) that originated in Malden and Yem Lip, the Mayor, and myself have come up with a suggested use of the funds so we are looking to have the funds appropriated.

We are suggesting using the funds for road milling and paving, utility structure adjustments, pedestrian signal upgrades, wheelchair ramp upgrades, and new crosswalk line striping with thermoplastic at the intersection of Highland Ave. and Medford Street. It makes sense to do the intersection work now as we just finished a large number of lead line replacements on Medford Street between Pearl Street and Highland Ave and Medford Street is scheduled to be repaved. Having all the work done at the same time would be beneficial.

The funds have to be used towards a transportation related infrastructure improvement.

I have attached the cost estimate and Engineering drawing of the proposed work.

If anyone has any questions in advance of the meeting please have them reach out to myself or Yem Lip.

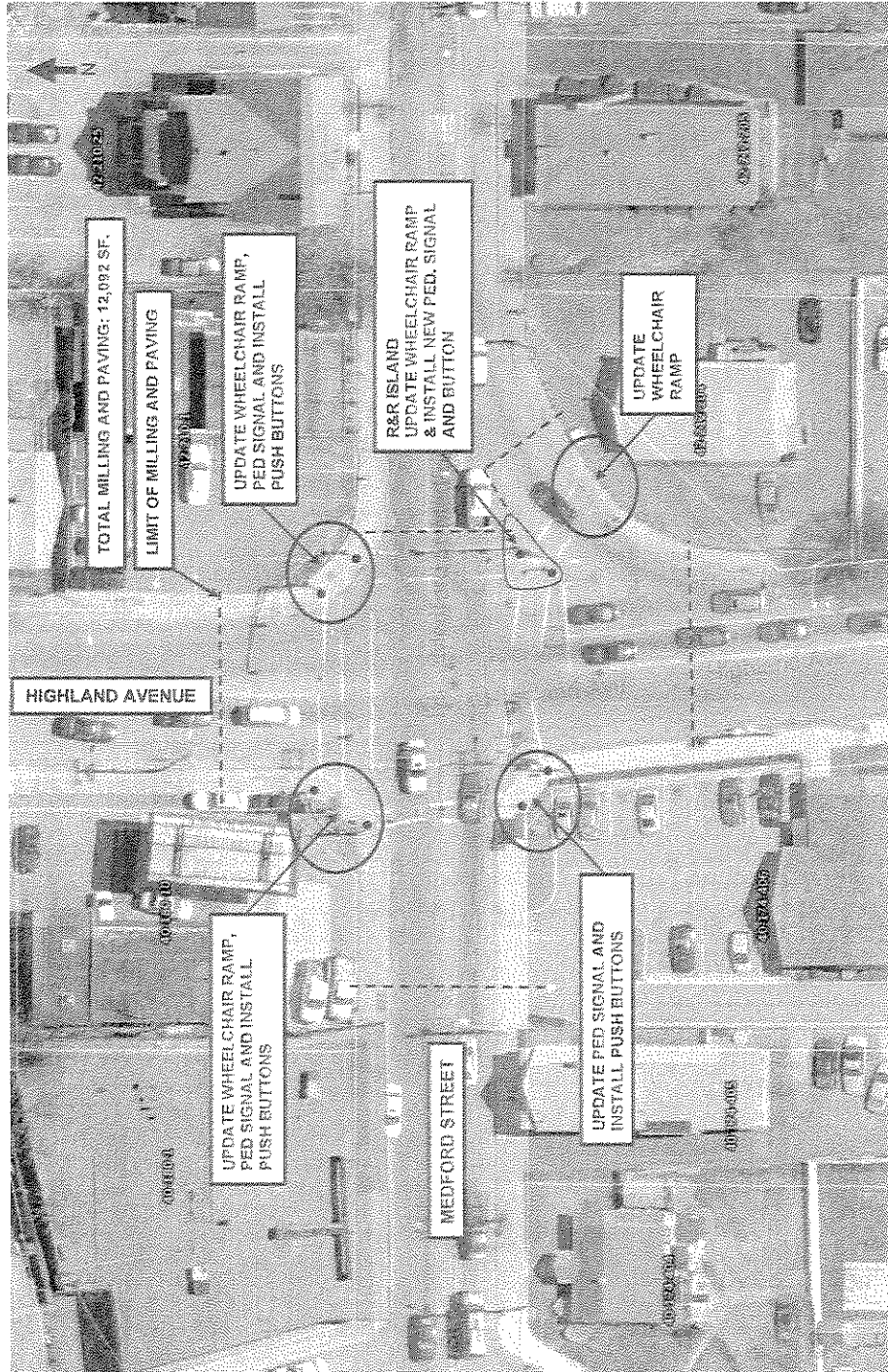
Interesting statistic regarding the number of rides per person originating from Malden is shown below. Malden ranks 9th in the State in terms of the average number of rides per person originating in the City.

A	B	C	D	E	F	G
TOWN		SUM_SQUARE_MILES_POP2010	ORIGIN_TRIPS	DESTINATION_T	ORIGIN_TRIPS_PER_PERSON_DESTINATION_TRIPS_P	
1	2	3	4	5	6	7
2	CAMBRIDGE	7.105	105162	7879235	7658235	74.92473517
3	BOSTON	50.15997	617594	45295938	45363184	73.34258105
4	SOMERVILLE	4.13	75754	3463968	3358647	45.72653589
5	BROOKLINE	6.822	58732	2458715	2369262	41.86329429
6	NANTUCKET	48.912	10172	366174	366126	35.99823044
7	EVERETT	3.438	41667	1340481	1298551	32.17128063
8	CHELSEA	2.212	35177	967965	907762	27.51698553
9	MEDFORD	8.44821	56173	1361292	1361690	24.23392021
10	MALDEN	5.069	59450	1321495	1277697	22.22867956

Thanks,
 Chuck

Order: That the sum of One Hundred Thirty Two Thousand One Hundred Forty Nine Dollars and Fifty Cents (\$132,149.50) be and the same is hereby appropriated from the TNC Surcharge Municipal Distribution Account to cover the following expenses:

Road milling and paving, utility structure adjustments, pedestrian signal upgrades, wheelchair ramp upgrades, and new crosswalk line striping with thermoplastic at the intersection of Highland Ave. and Medford Street.



MEDFORD STREET AND HIGHLAND AVENUE INTERSECTION IMPROVEMENTS
 NOT TO SCALE
 SHEET 1 OF 1



CITY OF MALDEN
 DEPARTMENT OF ENGINEERING

ITEM NO.	ITEM DESCRIPTION	UNIT	MEDFORD AND HIGHLAND INTERSECTION IMPROVEMENTS		
			AS-BID UNIT PRICE	ESTIMATED QUANTITY TO COMPLETION	ESTIMATED TOTAL AMOUNT
104.4	TREE REMOVED (INCLUDING STUMP) OVER 12"-24"	EA	\$ 3,000.00		\$ -
104.41	TREE REMOVED (INCLUDING STUMP) OVER 24"-26"	EA	\$ 3,500.00		\$ -
105.51	STUMP REMOVED OVER 12"	EA	\$ 1,000.00		\$ -
120.1	UNCLASSIFIED EXCAVATION	CY	\$ 55.00	10	\$ 550.00
120.4	SIDEWALK REMOVAL	SY	\$ 20.00	88.22	\$ 1,764.40
129	PAVEMENT MILLING	SY	\$ 8.50	1435.50	\$ 12,201.75
151	GRAVEL BORROW	CY	\$ 40.00	19.60	\$ 784.10
153	CONTROLLED DENSITY FILL - EXCAVATABLE	CY	\$ 200.00		\$ -
170.0	FINE GRADING & COMPACTING	SY	\$ 15.00	88.22	\$ 1,323.30
201	STORM DRAIN CATCHBASIN	EA	\$ 6,500.00		\$ -
204	GUTTER INLET	EA	\$ 2,500.00		\$ -
220.	DRAINAGE AND SEWER STRUCTURE ADJUSTED	EA	\$ 400.00	12	\$ 4,800.00
220.2	DRAINAGE AND SEWER STRUCTURE REBUILT	FT	\$ 500.00	1	\$ 500.00
220.5	DRAINAGE AND SEWER STRUCTURE REMODELED	EA	\$ 1,000.00		\$ -
221.5	FRAME AND COVER, OR FRAME AND GRATE	EA	\$ 900.00		\$ -
222.3	FRAME AND GRATE MUNICIPAL STANDARD	EA	\$ 1,000.00		\$ -
252.12	12 IN CORRUGATED PLASTIC DRAIN PIPE	FT	\$ 150.00		\$ -
346.05	IRRIGATION REPAIR (INCLUDING HEADS)	FT	\$ 50.00		\$ -
358.	GATE BOX ADJUSTED	EA	\$ 300.00	7	\$ 2,100.00
358.2	REPLACE WATER GATE BOX TOP	EA	\$ 250.00		\$ -
384.3	CURB STOP BOX ADJUSTED	EA	\$ 200.00		\$ -
402.1	DENSE GRADED CRUSHED STONE	CY	\$ 60.00		\$ -
440	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	\$ 0.01		\$ -
460	HOT MIX ASPHALT (2")	TON	\$ 135.00	157.15	\$ 21,215.25
460.1	HMA SHIMMING COURSE	TON	\$ 150.00		\$ -
464.	BITUMEN FOR TACK COAT	GAL	\$ 10.00	176	\$ 1,760.00
464.5	HOT POURED RUBBERIZED ASPHALT SEALER	FT	\$ 5.00		\$ -
470	HMA BERM	FT	\$ 25.00		\$ -
472.0	HOT MIX ASPHALT FOR MISC. WORK	TON	\$ 200.00		\$ -
482.3	SAW CUTTING ASPHALT PAVEMENT AND CEMENT CONCRETE	LF	\$ 5.00	121	\$ 605.00
504.	GRANITE CURB TYPE VA4-STRAIGHT	LF	\$ 75.00		\$ -
504.1	GRANITE CURB TYPE VA4-CURVED	LF	\$ 85.00		\$ -
514.	GRANITE CURB INLET-STRAIGHT	EA	\$ 500.00		\$ -
515.	GRANITE CURB INLET-CURVED	EA	\$ 600.00		\$ -
516.	GRANITE CURB CORNER TYPE A	EA	\$ 400.00		\$ -
580	CURB REMOVED & RESET	FT	\$ 40.00	105	\$ 4,200.00
581	CURB INLET REMOVED & RESET	EA	\$ 200.00		\$ -
582	CURB CORNER REMOVED & RESET	EA	\$ 200.00		\$ -
594	CURB REMOVED & DISCARDED	FT	\$ 8.00		\$ -
701	CEMENT CONCRETE SIDEWALK	SY	\$ 100.00		\$ -
701.1	CEMENT CONCRETE SIDEWALK AT DRIVEWAY (6")	SY	\$ 150.00		\$ -
701.2	CEMENT CONCRETE WHEELCHAIR RAMP	SY	\$ 150.00	88.22	\$ 13,233.00
702	HOT MIX ASPHALT WALK SURFACE	TON	\$ 300.00		\$ -
703	HOT MIX ASPHALT DRIVEWAY	TON	\$ 300.00		\$ -
711	STONE BOUND R&R	EA	\$ 500.00	1	\$ 500.00
748	MOBILIZATION	LS	\$ -	1	\$ -
751	LOAM BORROW	CY	\$ 50.00		\$ -
765	SEEDING	SY	\$ 5.00		\$ -
816.1	PEDESTRIAN SIGNALS (8) W/ AUDIBLE, BUTTONS AND LOOP DETECTIONS	LS	\$ 28,274.00	1	\$ 28,274.00
866.104	4" REFLECTORIZED DOUBLE YELLOW LINE (THERMO)	FT	\$ 1.50		\$ -
866.106	4" REFLECTORIZED SINGLE WHITE LINE (THERMO)	FT	\$ 2.00		\$ -
866.112	12" REFLECTORIZED WHITE LINE (THERMO)	SF	\$ 5.00	1265	\$ 6,325.00
999	POLICE DETAIL	LS	\$ 20,000.00	1	\$ 20,000.00
ESTIMATED TOTAL COST =					\$ 120,135.80
ESTIMATED TOTAL COST WITH 10% CONTINGENCY =					\$ 132,149.38