



CITY OF CAMBRIDGE
INTEROFFICE CORRESPONDENCE

To Robert W. Healy,
City Manager

Date September 4, 1966

From Joan Lastovica,
City Engineer J.L.

Reference

Subject Progress Report
FY67 Construction

Enclosed is a progress report on City wide FY67 street and sidewalk construction projects - covering tax revenue, block grant, bond issue and Chapter 90 funded projects. A statement on the BRT brick survey findings is also included.

Please contact me if additional information is required.

cc: Everett Kennedy, Commissioner, P.W.D.

PROGRESS REPORT
FY87 CONSTRUCTION

FY87 CONSTRUCTION SCHEDULE

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CAMBRIDGE ENGINEERING OFFICE

SEPTEMBER 4, 1986

FY87 Construction Schedule
Cambridge Engineering Office
September 4, 1986

<u>Project Name</u>	<u>Contract Amount</u>	<u>Description Of Work</u>	<u>Schedule Of Work</u>	<u>Engineer</u>
1. FY87 Sidewalk Repairs	\$300,000.00	Attached list of 34 Locations and office estimate per location.	Bid opening Sept. 24, 1986 Begin construction Oct. 15, 1986 + Complete Project July 31, 1986 ±	George Jussaume
2. FY87 Reconstruction: Roads, Walks & Trees Contract 1	\$1,240,000.00±	Attached list of 13 locations and office estimate per location.	Bid opening Oct. 2, 1986 Begin Construction Oct. 23, 1986± Complete Project September 30, 1987	Robert Patterson
3. FY87 Reconstruction: Roads, Walks & Trees Contract 2	\$1,000,000.00 ±	Attached list of 17 locations & preliminary estimate per locations. Includes \$50,000 for Cambridge Cemetery Roadways.	Bid opening Jan/Feb 1987 Begin Construction March 1987 Complete Project Oct - Nov. 1987	Robert Patterson

FY87 Construction Schedule
Cambridge Engineering Office
September 4, 1986

<u>Project Name</u>	<u>Contract Amount</u>	<u>Description Of Work</u>	<u>Schedule Of Work</u>	<u>Engineer</u>
4. Mt. Auburn St. Recons- truction	\$350,000.00	Roadways, walks, plazas, signaliza- tion, parking island, tree plant- ing.	Construction began August 1985 Punch list completion by Sept. 1986, and begin one year planting guarantee	Ralph Canina
5. Ch. 90 Street Reconstruction: Harvard, Huron, Kirkland, Oxford, Pearl, Rindge	\$1,262,000.00	Roadway, concrete and brick sidewalks	Construction began Sept. 1985 Contract completion date July 1986 Contractor abandoned the project Aug. 1986 - City is pursuing legal remedy through performance bond.	Ralph Canina
6. Ch. 90	\$1,000,000±	Planning phase: locations & pre- liminary cost estimates in development.	Design phase Winter '86 and Spring '87 Construction Summer 1987	Ralph Canina

FY87 Construction Schedule
Cambridge Engineering Office
September 4, 1986

<u>Project Name</u>	<u>Contract Amount</u>	<u>Description Of Work</u>	<u>Schedule Of Work</u>	<u>Engineer</u>
7. Reconstruction of Longfellow Park Steps	\$27,325.00	Repair and replacement of historic park steps, walls and benches. Landscaping improvements.	Contract completion date Aug. 1986 Completion delayed awaiting quarrying of bluestone steps and walls	Robert Patterson

CITY OF CAMBRIDGE
ENGINEERING OFFICE
DEPARTMENT OF PUBLIC WORKS
FY 87 STREET RECONSTRUCTION PROGRAM
BUDGET SUMMARY
MARCH 21, 1986

I ADMINISTRATION

A. Plan Reproductions	\$1500	
B. Bid Document Printing	1000	
C. Word Processing	5000	
D. ERI or Equivalent	-	
E. Drafting Paper & Supplies	250	
F. Postage	1000	
G. Construction Photos	250	
H. Project Advertisement	2500	
I. Hard Disk Purchase	2100	
J. Level Purchase	550	
K. Cones & Thermometers Purchase	250	
Sub Total Administration		\$14,400

II ENGINEERING

A. Survey Services	200000	
B. Testing Lab	50000	
C. Waterworks All Locations	40000	
D. Trees All Locations	165000	
E. Miscellaneous Repairs	200000	
F. Construction 27 Locations	2224600	
Sub Total Engineering		2,879,600

III CONTINGENCIES (15%)		436,000
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TOTAL PROJECT COST		\$3,330,000
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FY 87 BOND ISSUE COMMENTARY

The FY87 three million dollar Bond Issue, applied towards a city wide Street Reconstruction Program, is being designed and bid as three contracts: FY87 Sidewalk Repairs; FY87 Roads, Walks and Trees Contract 1; FY87 Roads, Walks, and Trees Contract 2.

The Repair Contract amount has been increased from the initial budget of \$200,000 to \$300,000, as directed by the City Manager. The increase is a transfer of funds allocated for Ames Street, said street having been deferred from 1987 reconstruction at the request of MIT to allow underground installation in Ames Street of university communication systems. Locations selected for repair are generally individual property frontages approved by City Council, public facility frontages, and miscellaneous locations identified and collected since 1980. As requested (correspondence attached) Chilton and Field Street sidewalks are included for reconstruction at an estimated cost of \$20,626.

The Roads, Walks and Trees (i.e. the Reconstruction contracts) project will be bid as two contracts because certain locations require mathematical design and generation of plans. There will also be a public informational meeting process for those locations (e.g. the normandies) without existing curbs and/or sidewalks. Owners and abutters will be notified of the proposed work and a forum will be provided to answer questions and exchange information about the proposed construction.

The design and public meeting process was beginning to delay the progress of contracting for the bond issue project, thus we decided to issue two contracts for construction. Contract 1 contains locations that will be reconstructed in kind - existing curbs removed and reset, sidewalks removed and replaced, roadways excavated and replaced. Contract 2 contains locations requiring mathematical design and plans, as well as locations in geographic proximity. For example, the Normandies presently lack curbing, continuous walks, and drainage. Concord Ave., being adjacent to the Normandies, is also scheduled for contract 2 to realize savings on the contractor's mobilization and staging costs.

Realistic expectations for construction this calendar year include:

1. FY87 Sidewalk Repair - Installation of traffic island at Elm and Beech Streets.
2. FY87 Roads, Walks and Trees Contract 1 - Regent Street walks and roadway.

Requests and petitions have been received for reconstructions at additional locations (attached), and are summarized as follows:

1. Griswold Street
City Council Order No. 27
August 4, 1986

will be estimated and may be considered as add /deduct in contract 2.

Griswold Street was one of 163 streets prioritized for reconstruction in 1983 survey.

September 4, 1986
Progress Report
FY87 Construction
Page 6

2. Tremont Street

May be considered as add/deduct in contract 2.

3. Gray Gardens West

May be considered as add/deduct in contract 2.

CHAPTER 90 SUMMARY OF FUNDS

State appropriations to City of Cambridge:

	<u>Chapter</u>	<u>Year</u>	<u>Amount</u>
1.	329	1980	\$ 324,980
2.	570	1980	168,674
3.	351	1981	340,387
4.	191	1982	323,704
5.	732	1982	203,337
6.	732	1982	203,337
7.	289	1983	319,049
8.	234	1984	280,254
9.	637	1984 (MA Bond Issue)	308,163
10.	637	1984 (MA Bond Issue)	308,163
11.	140	1985	277,551
12.	811	FY86 (MA Bond Issue)	402,203
13.	206	1986	298,223
14	811	FY87 (MA Bond Issue)	402,203
TOTAL			<u>\$4,160,238.</u>

Cambridge Expenditures/Appropriations to Date:

Engineering	\$ 90,000
Hampshire Street	431,688
Mount Auburn Street (estimated)	764,000
Chapter 90 Streets: Harvard, Huron, Kirkland, Oxford, Pearl, Ringe (estimated)	<u>1,262,160</u>
	<u>\$2,547,848</u>

Approximate Funds Remaining : \$1,612,390

CHAPTER 90 COMMENTARY

Since 1980 to August 25, 1986, the City of Cambridge has received \$4.16 million in Chapter 90 funds from the Commonwealth. The formula of "fund-ing apportionment" is a function of mileage, employment and population in the City (formula attached).

Of active projects, the Mount Auburn Street Reconstruction is at final close out phase, with punch list, final estimate and guarantees still to be com-pleted.

The Harvard/Huron/Kirkland/Oxford/Pearl/Rindge Project is approximately 40% complete. The contractor, Baker & Co., Inc., has officially abandoned the \$1.24 million dollar project; the City has hired consultant attorneys to pursue legal remedies available through the contractor's performance bond; and there is reason to believe the contract will be completed by the bonding company within the 1987 calendar year. Minimally, all open sidewalks on Pearl and Harvard Streets shall be surfaced before the 1986 winter close down.

As Baker had been prequalified by the state prior to contract award (a state requirement for the Chapter 90 projects) there was no indication of Baker's apparent financial difficulties.

This contractor has also abandoned two state projects in Cambridge - the Lechmere Canal Bridge and the Commercial Ave./Cambridge Parkway Reconstruction.

WRI BRICK SURVEY UPDATE

Maps of the entire City are complete showing areas of existing brick sidewalks and evaluations of brick conditions.

Brickly stated, approximately 20% of the City's sidewalks remain as brick. (According to Robert Keating, Superintendent of Streets, Cambridge once had 100% of its walks in brick.)

Some taxpayers consider brick walks to be "anachronistic", while some consider concrete walks to be a negative property value. The Handicap Commission, Council on Aging, Historical Commission, the Community Development Department, and property owners have expressed an interest in formulating a policy on brick/concrete walks.

Recommendations will next be developed for retaining "brick designated districts," construction methods to increase the life cycle of level brick walks, and preliminary cost estimates for restoring and preserving brick districts. Attached as an example of data now available, is a "brick cluster area" from the WRI project.

ESTIMATE

Project

Job No.

Prepared By

7-1586

Date _____

Sheet 2 of 5

Checked by

Type of Estimate

[illegible]

TO TAL

40, 64.

ESTIMATE

ESTIMATE SUMMARY

FY 87 Sidewalk Repairs

7-30-86

Project

Job No.

Prepared By

Date

Sheet 3 of 5

Type of Estimate

Checked by

DESCRIPTION	AMOUNT	TOTALS	REMARKS
Magazine & Florence	11,025.-		
Brattle & Church - Sages	22,564.-		BRICKS
Broadway From Prospect To INMAN	53,102.-		
Broadway at Crawford	7,705.-		
Greenough Ave #13	3,146.-		
Court House - Third, Thorndike, Spring	24,334.-		
Pleasant From Franklin To Green	16,079.-		
ST. Peters Church	8,968.-		
MASS. AVE AT VASSAR PER BRICKS	12,246.		PER BRICKS
BATES Rd at Avon Hill St.	7,808.		

TOTAL 160,977.-

ESTIMATE SUMMARY

FY. 87 Sidewalk Repairs

ESTIMATE

Project

Job No.

Prepared By

8-12-86

Date

Sheet 4 of 5

Type of Estimate

Checked By

DESCRIPTION	AMOUNT	TOTALS	REMARKS
23 IRVING Ter.	3,025.-		
3 ELLSWORTH PARK	1,708.-		
Chatham 125' Fr Hancock	4,471.-		
Chatham Fr Goodman To Merrill	3,968.-		
MASS. AVE AT Trowbridge	15,941.-		BRICKS
30-32 DONOVAN ST.	3,272.-		
222 Broadway	4,431.-		

TOTAL

36,517

ESTIMATE SUMMARY

FY 87 Sidewalk Repairs

ESTIMATE

8-14-86

Project

Job No.

Prepared By

Date

Sheet 5 of 5

Type of Estimate

Checked By

DESCRIPTION	AMOUNT	TOTALS	REMARKS
Chilton and Field STs.	20,626.-		
192 Fayerweather ST	1,777.-		
370 Concord Ave	1,185.-		
9 Ash ST.	1,538.-		
388 Norfolk ST.	1,787.-		
109 Avon Hill ST.	2,680.-		
79 Pemberton ST.	3,960.-		
7 Everett ST.	1,347.-		
76 Dudley ST.	1,465.-		
Dudley Fr. Clifton To Jackson 140'	5,130.-		
BEECH ST AT ELM Summerville	19,070.-		
18-20 Tenney ST.	1,653.-		
187-197 Concord Ave	3,375.-		
Montague ST.	6,612.-		
Third ST. Bullfinch Bldg	1,192.-		BRICKS

TOTAL

73,327

860818

FY 87 RECONSTRUCTION: CONTRACT 1

ROW	ARRAY COL: CATEGORY>	1 ROADWAY LIMITS (FROM/TO)	2 NEIGH- BORHD.	3 LENGTH	4 WIDTH	5 EST. COST	6 FL	7 G&O	8 PM	9 FD	10 CS	11 BR.	12 CONC.
1	BANKS STREET	HINGHAM/NORTH	7	350	40	\$ 35000	0	0	1	0	0	0	1
2	CHARLES STREET	THIRD/FULKERSON	1	1660	50	\$ 185000	0	1	0	0	0	0	1
3	CLARK STREET	HARVARD/BROADWY	4	300	30	\$ 30000	0	0	1	0	0	0	1
4	EIGHT STREET	SPRING/CAMB	1	709	40	\$ 75000	1	0	1	0	0	0	1
5	ELM STREET	HAMPSHIRE/WEBST	3	1400	40	\$ 140000	0	0	1	0	0	0	1
6	HARVARD STREET	WINDSOR/PORTLAN	4	1000	50	\$ 105000	0	1	0	0	1	0	1
7	HURLEY STREET	FIRST/W. OF 6TH	1	1580	50	\$ 170000	0	0	1	0	0	0	1
8	McTERNAN STREET	PEARL/MAGAZINE	5	440	40	\$ 44000	1	0	1	0	0	0	1
9	MOORE STREET	HARVARD/BROADWY	4	300	30	\$ 30000	1	0	1	0	0	0	1
10	NORFOLK STREET	BROADWY/BISHP A	4	1300	40	\$ 208000	0	0	1	0	0	1	1
11	REGENT STREET	MASS AVE/END	11	500	40	\$ 50000	1	0	1	0	0	0	1
12	RIVERSIDE PLACE	WESTERN/END	7	135	20	\$ 16000	1	0	0	1	0	0	1
13	SPRING STREET	THIRD/SCIARAPPA	1	1000	50	\$ 105000	0	0	1	0	0	1	1
48													
49													
50	TOTAL EST. COST					\$ 1193000							

0818

87 RECONSTRUCTION: CONTRACT II

ARRAY COL:	1	2	3	4	5	6	7	8	9	10	11	12
W CATEGORY>:	ROADWAY	NEIGH-	LENGTH	WIDTH	EST. COST	FL	G&O	PM	FD	CS	BR.	CONC.
	LIMITS (FROM/TO)	BORHD.										
AUSTIN PARK	BISHP ALLEN/END	6	248	34	\$ 27500	1	0	0	1	0	0	1
BELLEVUE STREET	RAY/E.AVON HILL	9	455	30	\$ 75000	1	0	1	0	0	1	1
CONCORD AVE	WHEELER/SMITH	12	1186	5.8	\$ 30000	0	0	0	0	0	0	1
CONCORD AVE	BLANCHARD/WHEEL	12	3000	7.5	\$ 35000	0	0	0	0	0	0	1
FAIRVIEW AVE.	LINE/OXFORD ST.	13	270	50	\$ 30000	0	0	1	0	0	0	1
HARVEY STREET	MASS AVE/END	11	1785	30	\$ 178500	1	0	0	1	1	0	1
HIGH STREET	PARK/HOLWORTHY	13	506	40	\$ 50600	1	0	1	0	0	0	1
HURON AVENUE	CUSHING/PARK	13	1230	70	\$ 86000	0	0	1	0	0	0	1
MERCER CIRCLE	SPARKS/BRATTLE	10	445	40	\$ 25000	1	0	1	0	0	0	1
NORMAN STREET	BELMONT/END	13	270	40	\$ 18000	1	0	1	0	0	0	1
NORMANDY AVE	BLANCHRD/NORM T	12	1120	40	\$ 120000	1	0	1	0	0	0	1
NORMANDY TERRACE	FULL LENGTH	12	291	40	\$ 30000	1	0	0	1	0	0	1
NORUMBEGA STREET	BELMONT/END	13	208	40	\$ 20000	0	0	1	0	0	0	1
OXFORD AVENUE	FAIRVIEW/LINE	13	285	40	\$ 31000	0	0	1	0	0	0	1
S. NORMANDY STREET	BLANCHRD/NORMAN	12	536	40	\$ 65000	1	0	0	1	0	0	1
SPARKS STREET	MT AUBURN/BRATT	10	1090	40	\$ 50000	0	1	0	0	1	0	1
W.BELLEVUE STREET	RAY/WESTERLY	9	182	30	\$ 20000	1	0	1	0	0	0	1
TOTAL EST. COST					\$ 891600							



CITY OF CAMBRIDGE

INTEROFFICE CORRESPONDENCE

PUBLIC WORKS DEPT.
CAMBRIDGE, MASS.

To : Mr. Robert W. Healy JUN 26 1986
City Manager

Date: June 26, 1986

From : Everett R. Kennedy *ERM*
Commissioner of Public Works

Reference

Subject : Elm and Beech Street Intersection

Attached is a copy of correspondence from City Engineer Joan Lastovica in regard to this location. Mayors' Sullivan and Brune are looking forward to a joint venture in renovating the islands, installing a small planting bed, and a joint Cambridge/Somerville City sign.

I ask for your approval to schedule the work in the fall.

attachment

cc: Ms. Joan Lastovica, City engineer
Mr. William Ryan, Asst. Commissioner, PWD

Approved
[Signature]

Attachment E

RECEIVED
CITY DEPT.
JUL 14, 1988
JUL 14 PM 2 28

Mr. Robert W. Healy
City Manager
City Hall
Cambridge, MA 02139

Re: Sidewalks

Dear Mr. Healy:

The sidewalks on the southside of Field and Chilton Streets (as outlined on the attached plot plan) are in deplorable condition and should have been replaced many years ago. The residents of this area are mainly senior/retiree citizens living on fixed incomes. Considering a cost to replace these sidewalks ourselves is out of the question.

Upon investigation of the process necessary to instigate this replacement action, the neighbors became discouraged when we believed that it took a petition and visits to the City Council meetings to even have our area considered. Recently, we learned through calls to City Hall that we needed to start the process by sending you this letter and requesting that Public Works analyze the sidewalk areas in question and determine a time to do the needed work.

The property owners of this area are constantly working on their properties and beautifying the area, with great expenditure going toward maintaining the grounds and structures. When all is done, there lies the uneven, cracked, half asphalt/concrete sidewalk endangering not only the owners of the properties, but visitors to the area.

There is also the consideration of the potential liability to the owners and the City. Walking on these sidewalks during the daylight hours have caused some stumbling and in two instances, senior citizens falling to their knees.

We would appreciate your immediate consideration.

Very truly yours,


Charles A. Small
14 Field Street
Cambridge, MA 02138

00+00.00 TO 00+07.00 SW/RT 7.00 7.00 5.44
00+00.00 TO 00+01.00 SW/RT 1.00 1.00 .11
=====>> TOTAL ESTIMATED QUANTITY (SY.) = 5.56

* ITEM 734.00 SIGN REMOVED AND RESET \$ 54.00/EA. *

LOCATION		QUANTITY
00+01.00	SW/RT	1.00
00+02.00	SW/RT	1.00
00+03.00	SW/RT	1.00

=====>> TOTAL ESTIMATED QUANTITY (EA.) = 3.00

CHILTON AND FIELD STS.

* SUMMARY TABLE *

ITEM No.	UNIT	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT (DOLLAR)
120.10	CY.	UNCLASSIFIED EARTH EXCAVATION	199.06	10.80	2149.89
151.00	CY.	GRAVEL BORROW	98.60	13.00	1281.74
156.12	CY.	CRUSHED STONE FOR CURB FOUNDATION	15.19	18.70	284.14
358.00	EA.	GATE BOXES ADJUSTED	7.00	54.00	378.00
430.00	CY.	CEMENT CONCRETE BASE COURSE	10.13	23.80	241.09
472.00	TON	BITUMINOUS CONCRETE FOR PATCHING	13.61	120.00	1633.71
580.00	LF.	CURB REMOVED AND RESET	423.00	8.75	3701.25
590.00	LF.	CURB REMOVED AND STACKED	124.00	3.25	403.00
701.00	SY.	CONCRETE SIDEWALK- 1 COURSE	343.10	22.70	7788.37
701.10	SY.	CONCRETE SIDEWALK- 1 COURSE AT DRIVE	104.71	23.80	2492.12
702.31	SY.	CEMENT CONCRETE WHEEL CHAIR RAMP	5.56	20.00	111.11
734.00	EA.	SIGN REMOVED AND RESET	3.00	54.00	162.00
=====>> TOTAL AMOUNT = \$			20626.41		

Attachment F

RECEIVED
MAY 30, 1986
CAMBRIDGE, MASS.

86 JUN 32 AM 8 35

Mr. Robert Healy
City Manager
Cambridge City Hall
795 Mass. Avenue
Cambridge, MA 02139

Dear Mr. Healy,

We, the residents of Tremont Street (running from Broadway and Hampshire Street) would like to be included in the process that determines the installation of the new cement sidewalks throughout the City of Cambridge. We consider Tremont St. to be in a very unsafe state of repair.

We have tolerated many, many inconveniences since last Fall due to the installation of new water pipes, and the end result has left us with street and sidewalks that are both hazardous and a real eyesore! We are trying to upgrade our property and this is such a major set back.

Therefore, we would greatly appreciate your considering this as a PETITION from the undersigned for new sidewalks on Tremont Street.

Sincerely,

Donald C. McCusker

Donald C. McCusker
42 Tremont Street
Camb., MA 02139
(876-9842)

cc: Mayor Walter Sullivan
Public Works Commissioner

RESIDENT OF TREMONT STREET

<u>Name</u>	<u>Address</u>
1. <i>Cura Smart</i>	<i>47 Tremont St.</i>
2. <i>John J. Gagliardi</i>	<i>48 Tremont St.</i>
3. <i>Albert J. Young</i>	<i>43 Tremont St.</i>
4. <i>Marguerite Gannett</i>	<i>41 Tremont St.</i>
5. <i>CHRIS LINDSEY</i>	<i>28 TREMONT ST.</i>
6. <i>Carol Lauricella</i>	<i>46 Tremont St.</i>
7. <i>Maria Spinosa</i>	<i>46 Tremont St.</i>
8. <i>Nerva Collins</i>	<i>36 1/2 Tremont St.</i>

(cont. on page two)



CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139

TEL. 498-9011

'86 AUG 11 AM 10 36

EXECUTIVE DEPARTMENT

ROBERT W. HEALY

City Manager

RICHARD C. ROSSI

Deputy City Manager

MEMORANDUM

TO: Joan Lastovica
City Engineer

FROM: Robert W. Healy *Healy*
City Manager

DATE: August 4, 1986

SUBJECT: City Council Order No. 27; 8/4/86

With respect to the enclosed City Council Order, please survey Griswold Street and provide a recommendation regarding inclusion in this year's Streets and Sidewalks Program.



Attachment H

CITY OF CAMBRIDGE
INTEROFFICE CORRESPONDENCE

To : Mr. Roger Booth
Director of Urban Design

Date : August 29, 1986

From : Everett R. Kennedy *ERK*
Commissioner of Public Works

Reference

Subject : Gray Gardens West

In line with your comments of August 20, 1986, please be advised that this street is not scheduled for reconstruction during FY 1987. However, I have asked City Engineer Joan Lastovica to survey the street and prioritize its position in connection to any additional streets being added to current schedules. In the meantime, I am asking Street Superintendent Robert Keating to schedule repairs as necessary to improve the current condition.

cc: Ms. Joan Lastovica, City Engineer ✓
Mr. William Ryan, Asst. Commissioner, PWD
Mr. Robert Keating, Street Superintendent



OFFICE OF THE CITY ENGINEER
CAMBRIDGE, MASSACHUSETTS

Attachment I

JOB _____
SHEET NO. _____ OF _____
CALCULATED BY RJC DATE 5/16/85
CHECKED BY _____ DATE _____
SCALE _____

CITY OF CAMBRIDGE CHAPTER 90 FUNDING APPORTIONMENT

$$\begin{aligned} &= 50\% \frac{\text{CAMBRIDGE ROAD MILEAGE}}{\text{STATE ROAD MILEAGE}} \times \text{STATE APPORTION} \\ &+ 25\% \frac{\text{PEOPLE EMPLOYED IN CAMB.}}{\text{PEOPLE EMPLOYED IN STATE}} \times \text{STATE APPORTION} \\ &+ 25\% \frac{\text{CAMB. POP. 1980 CENSUS}}{\text{MASS. POP. 1980 CENSUS}} \times \text{STATE APPORTION} \end{aligned}$$

CHAPTER 90 FUNDS FROM HIGHWAY FUND
STATE APPORTION = 7.5% MASS. GASOLINE TAX
[MASS. GASOLINE TAX 11¢/gal INTO HIGHWAY FUND]

THE BREAKDOWN IS APPROX. 1.5% STATE APPORTION

EXAMPLE: CHAPTER 289 ACTS OF 1983

$$\begin{aligned} &\text{CITY APPORTIONMENT} = \$319,049. - \\ &\text{STATE APPORTION} = \$20,706,521. - \\ &\frac{\$319,049}{20,706,521} = 0.0154081 \\ &= 1.54\% \end{aligned}$$

IT IS REASONABLE TO ASSUME FROM PREVIOUS
YEARS THAT THE CITY APPORTIONMENT OF
CHAPTER 90 FUNDS WILL BE 1.5% OF THE
STATE APPORTION.



OFFICE OF THE CITY ENGINEER
CAMBRIDGE, MASSACHUSETTS

JOB CHAP. 90 ALLOCATION

SHEET NO. FORMULA

CALCULATED BY [Signature] DATE _____

CHECKED BY _____ DATE _____

SCALE _____

STATE AID TO MUNICIPALITIES, HIGHWAY & STREETS
1978

50 % CAMBRIDGE ROAD MILEAGE
STATE ROAD MILEAGE

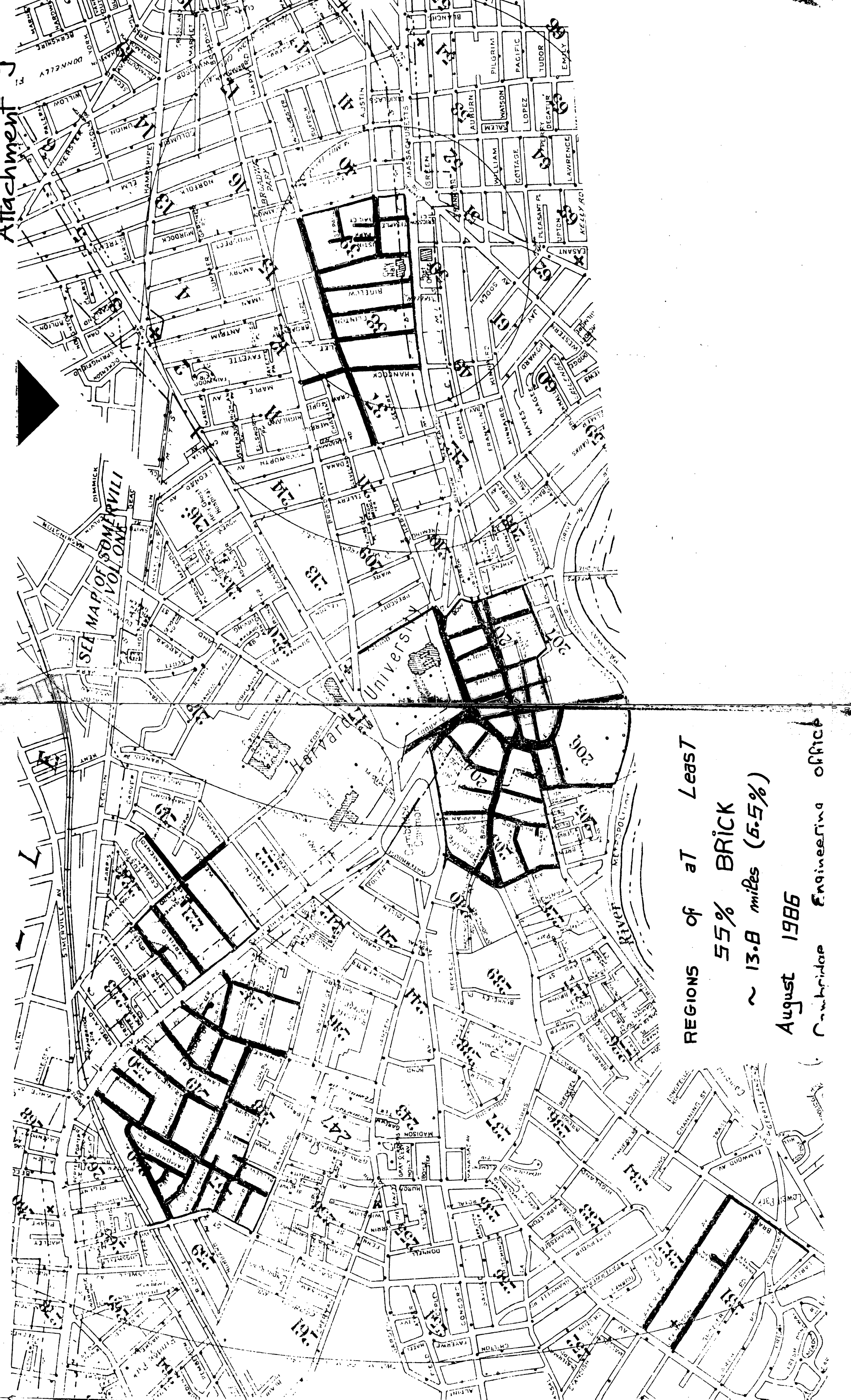
+25 % PEOPLE EMPLOYED IN CAMBRIDGE
PEOPLE EMPLOYED IN STATE

+25 % CAMBRIDGE POPULATION 1980 FED. CENSUS
MASSACHUSETTS POPULATION

1. LOCAL ROAD MILEAGE = UNDER JURISDICTION OF
CITY: EXCL. PRIVATE WAYS
INTERSTATE
STATE HIGHWAYS
M.D.C.

CHAPTER 90 FUNDS: FROM HIGHWAY FUND

11¢/gal MASS. GASOLINE TAX INTO HIGHWAY FUND



Attachment

REGIONS of at LEAST
55% BRICK
~ 13.8 miles (5.5%)
August 1986
Cambridge Engineering Office



CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139
TEL. 498-9011

EXECUTIVE DEPARTMENT
ROBERT W. HEALY
City Manager

RICHARD C. ROSSI
Deputy City Manager

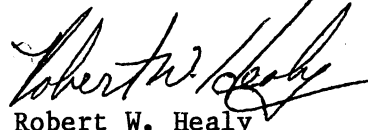
September 15, 1986

To the Honorable, the City Council:

Enclosed please find a copy of a progress report on the FY87 street and sidewalk construction projects, including tax revenue, block grant, bond issue, and Chapter 90-funded projects.

In addition, a section outlining the results of a recent survey of brick sidewalks in the City has been included in the report.

Very truly yours,


Robert W. Healy
City Manager

RWH/mbf
Enc.

Re: enclosed informational progress report on
FY87 street & sidewalk construction projects,
including tax revenue, block grant, bond issue
& Chapter 90-funded projects & results of re-
cent survey of brick sidewalks.

In City Council,

September 15, 1986

Placed on File