



CITY OF CAMBRIDGE

147 HAMPSHIRE STREET, CAMBRIDGE, MASSACHUSETTS 02139 498-9051

Public Works Department

Everett R. Kennedy
Acting Commissioner

June 8, 1983

Mr. Robert W. Healy
City Manager
Cambridge, Ma

Dear Mr. Healy:

The Departments of Public Works and Community Development completed in May 1983 a physical survey of all public streets and sidewalks.

Public Works evaluated conditions in the non-block grant neighborhoods - 2, 6, 8, 9, 10, 12; Community Development evaluated conditions in the block grant neighborhoods - 1, 3, 4, 5, 7, 11, 13. In most instances, the surveyers were on foot, and visually evaluated the paved public surfaces as (1) needs replacement, (2) average, (3) good.

Tabulations were maintained by neighborhood, and construction costs were generated for all streets and sidewalks evaluated as (1) needs replacement. Costs were estimated for new concrete sidewalks (\$1.67/square ft.), removing and resetting granite curb (\$4.50/linear ft.), installing new granite curb (\$15.00/linear ft.) and grinding and repaving bituminous roadways (\$6.85/square yd.).

A second survey was then made to prioritize the worst of these surfaces in need of replacement. The priority locations are listed by street name for each neighborhood.

The following table summarizes our findings:

NEIGHBORHOOD

ESTIMATED COSTS TO
COMPLETE PRIORIZED
STREETS & SIDEWALK
REPLACEMENTSESTIMATED COSTS TO
COMPLETE ALL STREETS
AND SIDEWALK REPLACE-
MENTS

1	\$ 99,113.52	\$152,172.16
2	86,239.00	89,796.00
3	-0-	-0-
4	187,302.98	187,302.98
5	427,248.32	482,870.64
6	195,828.00	679,520.00
7	107,990.74	107,990.74
8	56,838.00	396,991.00
9	213,757.00	605,843.00
10	194,718.00	368,797.00
11	346,327.78	524,504.84
12	-0-	-0-
13	164,799.04	164,799.04

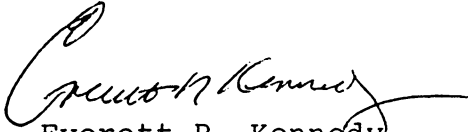
TOTAL: \$2,080,162.20

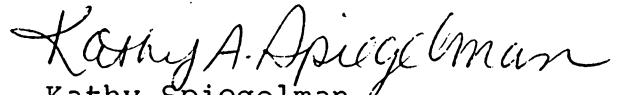
TOTAL: \$3,760,587.20

An appendix is attached with

- 1) Prioritized streets and sidewalks needing replacement and estimated construction costs.
- 2) Examples of evaluation form.

Very truly yours,


Everett R. Kennedy
Acting Commissioner
of Public Works


Kathy Spiegelman
Assistant City Manager
for Community Development

APPENDIX 1

1983 SIDEWALK & STREET SURVEY SUMMARY OF COSTS

NEIGHBORHOOD: EAST CAMBRIDGE (1)

NAME OF STREET	LIMITS	LENGTH	cost		TOTAL	COMMENTS
			sidewalk	street		
CHARLES STREET	3rd - 6th Str.	1,125	22,545		32,670	
LOPEZ STREET	HURLEY-CHARLES	200	4,008		5,808	
OTIS STREET	4th - 5th	426	8,537.04		12,371.04	
SPRING STREET	5th - 6th	422	8,456.88		12,254.88	
THORNDIKE STREET	4th - 5th	420	8,416.80		12,196.80	
HURLEY STRRET	3rd - 5th	820	16,432.80		23,812.80	
					\$ 99,113.52	TOTAL PER NEIGHBORHOOD

1983 SIDEWALK & STREET SURVEY SUMMARY OF COSTS

NEIGHBORHOOD: #2

LAM

NAME OF STREET	LIMITS	LENGTH	sidewalk	cost street	TOTAL	COMMENTS
Ames Street	Memorial Dr. to Main Street	1146		41,867.20	41,867.20	
Amherst Street	Wadsworth St. to Ames St.	920		33,610.62	33,610.62	
Hayward Street	Main St. to Amherst St.	505		10,762.10	10,762.10	
					86,239.92	TOTAL PER NEIGHBORHOOD #2

1983 SIDEWALK & STREET SURVEY SUMMARY OF COSTS

NEIGHBORHOOD: # 3

NAME OF STREET	LIMITS	LENGTH	sidewalk	cost	street	TOTAL	COMMENTS
NO STREETS						0	
						0	TOTAL PER NEIGHBORHOOD #

1983 SIDEWALK & STREET SURVEY SUMMARY OF COSTS

NEIGHBORHOOD: AREA FOUR (4)

NAME OF STREET	LIMITS	LENGTH	cost		TOTAL	COMMENTS
			sidewalk	street		
BISHOP ALLEN DRIVE	PROSPECT TO MAIN STREET	2,085	41,783.40		60,548.40	
HARVARD STREET	WINDSOR TO PORTLAND ST	820	16,432.80		23,812.80	
EATON STREET	CHERRY TO PINE STEET	200	4,008.00		10,008.00	
CLARK STREET	BROADWAY TO HARVARD STR.	575	11,523.00		16,698.00	
ELM STREET	HAMPSHIRE TO BROADWAY	848	16,993.92	25,816.82	50,492.74	
HARVARD STREET	COLUMBIA TO WINDSOR STR	446	8,937.84		12,951.84	
MOORE STREET	HARVARD TO BROADWAY	295	3,941.20		12,791.20	
					\$187,302.98	TOTAL PER NEIGHBORHOOD

NEIGHBORHOOD: CAMBRIDGEPORT (5)

NAME OF STREET	LIMITS	LENGTH	cost		TOTAL	COMMENTS
			sidewalk	street		
FAIRMONT AVE	FAIRMONT TO ALLSTON	430	5,744.80		9,614.80	
FAIRMONT STREET	PLEASANT TO RIVER	470	6,279.20	10,731.67	21,240.87	
ANDREW STREET	FAIRMONT TO ALLSTON	431	5,758.16	9,841.12	19,478.28	
PRINCE	MAGAZINE TO PLEASANT	530	7,080.80	12,101.67	23,952.47	
MC TERNAN	PEARL TO MAGAZINE	440	5,878.40		9,838.40	
AUBURN STREET	PEARL TO MAGAZINE	450	9,018.00		9,018.00	
CHESTNUT STREET	PEARL TO MAGAZINE	467	9,358.68		13,561.68	
PEARL STREET	ALLSTON TO CHESTNUT	385	7,715.40		11,180.40	
PERRY STREET	PEARL TO MAGAZINE	448	8,977.20		13,009.92	
PETERS STREET	PUTNAM TO ALLSTON	301	4,021.36	9,163.72	15,894.08	
MAGAZINE STREET	GREEN STREET TO MEM. DR.	4,180	83,767.20	159,072.22	280,459.42	
					\$427,248.32	TOTAL PER NEIGHBORHOOD

NEIGHBORHOOD: #6 Mid-Cambridge

NAME OF STREET	LIMITS	LENGTH	cost		TOTAL	COMMENTS
			sidewalk	street		
Austin Pk.	Bishop Allen to North	245	2,454.90	5,221.20	9,881.10	
Dana Street	Mass. Ave. to Cambridge St.	2015		42,941.82	42,941.82	
Kirkland Rd.	Kirkland to South	230	2,304.60	4,201.31	13,405.91	
Leonard Avenue	Line St. to Cambridge St.	685		16,683.51	16,683.51	
Line Street	Kirkland St. to Cambridge St.	1835	24,515.60	34,915.95	75,946.55	
Prescott Street	Broadway to Harvard	785		16,729.20	16,729.20	
St. Mary's Rd.	Prospect to Inman St.	500	6,680.00	8,372.20	15,052.20	
Temple Street	Mass. Ave, to Bishop Allen Dr.	284		5,187.71	5,187.71	
					195,828.00	TOTAL PER NEIGHBORHOOD #6

1983 SIDEWALK & STREET SURVEY SUMMARY OF COSTS

NEIGHBORHOOD: RIVERSIDE (7)

NAME OF STREET	LIMITS	LENGTH	cost		TOTAL	COMMENTS
			sidewalk	street		
HANCOCK STREET	MASS AVENUE TO KINNARD ST	634	8,470.24	14,473.33	28,649.57	
HAYES STREET	HOWARD TO KING SCH.	260	3,473.60	5,199.99	11,013.59	
HINGHAM STREET	PUTNAM AVE TO MEM. DR.	536	7,160.96	16,318.22	28,303.18	
BANKS STREET	HINGHAM STREET TO PEAB. TERR	287	3,834.32		6,417.32	
ELMER STEET	HINGHAM	427	5,704.72		9,547.72	
FLAGG STREET	PUTNAM AVE TO MEM. DR.	664	8,871.04		14,847.04	
MAGEE STREET	PUTNAM AVE TO CALLENDER	412	5,504.32		9,212.32	
					\$107,990.74	TOTAL PER NEIGHBORHOOD

NEIGHBORHOOD: #8

NAME OF STREET	LIMITS	LENGTH	cost		TOTAL	COMMENTS
			sidewalk	street		
Farrar Street	Irving st. to Holden st.	575	7,682		24,932.00	
Holden Street	Kirkland st. to Scott st.	683	9,124.88	16,634.81	31,906.69	
					56,838.69	TOTAL PER NEIGHBORHOOD #8

1983 SIDEWALK & STREET SURVEY SUMMARY OF COSTS

NEIGHBORHOOD: #9

LAM

NAME OF STREET	LIMITS	LENGTH	cost		TOTAL	COMMENTS
			sidewalk	street		
Bellevue Street	Raymond to Avon Hill	455		7,618.70	7,618.70	
Donnell Street	Concord Avenue to Garden St	680	9,084.80		15,204.80	
Lancaster Street	Mass Ave. to Washington	949		20,224.21	20,224.21	
Raymond Street	Upland Rd. to Linnaean	1300		27,704.41	27,704.41	
Raymond Street	Richdale Ave. to Upland Rd.	1244	24,929.76		62,249.76	
Richdale Avenue	Walden St. to Raymond St.	975	19,539.00		48,789.00	
Shepard Street	Garden St. to Mass. Ave.	1500		31,966.62	31,966.62	
					213,757.50	TOTAL PER NEIGHBORHOOD #9

NEIGHBORHOOD: # 10

LAM						
NAME OF STREET	LIMITS	LENGTH	cost		TOTAL	COMMENTS
			sidewalk	street		
Appian Way	Brattle St. to Garden St.	478		9,459.02	9,459.02	
Ash Street	Memorial Dr. to North	90		1,507.00	1,507.00	
Buckingham Street	Cragie St. to Concord	1213		25,850.32	25,850.32	
Elmwood Avenue	Brattle St. to Fresh Pond Pkwy	715		26,121.31	26,121.31	
Farwell Place	Brattle St. to East	370		6,758.62	6,758.62	
Gurney Street	Huron Ave. to Fayerweather	585	11,723.40	12,467.00	41,740.40	
Huthinson Street	Appleton St. to Walden	418		8,908.01	8,908.01	
Lincoln Lane	Fayerweather to West	265	1,770.20	4,235.56	6,005.76	
Mercer Circle	Brattle St. to Sparks St.	445		9,483.41	9,483.41	
Riedesel Avenue	Brattle St. to Brewster St.	350	4,676.00		15,176.00	
Saville Street	Fayerweather to Appleton St.	805		17,155.41	17,155.41	
Trail Street	Elmwood Ave. to Mt. Auburn	460		9,803.10	9,803.10	
Willard Street	Mt. Auburn to Brattle	786		16,750.51	16,750.51	
					194,718.87	TOTAL PER NEIGHBORHOOD #10

1983 SIDEWALK & STREET SURVEY SUMMARY OF COSTS

NEIGHBORHOOD: NORTH CAMBRIDGE (11)

NAME OF STREET	LIMITS	LENGTH	sidewalk	cost street	TOTAL	COMMENTS
ALBERTA TERR		273	1,823.64		5,918.64	
CLIFTON STREET		1,020	20,440.00		29,620.00	
COLUMBUS AVE		747	7,484.94		18,689.94	
DUDLEY STREET	MASS TO CEDAR	440	4,408.80		6,388.80	
FAIR OAKS STREET		240	2,404.80		3,484.80	
HARVEY STREET		1,660	22,177.60	37,903.33	75,020.93	
HARRISON AVENUE		285	5,711.40		14,261.40	
JACKSON STREET		1,020	20,440.80		29,620.80	
MATINGNON ROAD		885	8,867.70		12,850.20	
MONTGOMERY STREET	HARVEY TO DUDLEY	550	11,022.00		15,972.00	
PEMBERTON STREET		1,730	34,669.20		50,239.20	
REED STREET	HARVEY TO DUDLEY	550	11,022.00		15,972.00	
RINDGE AVENUE	PARKWAY TO WALSH SQ.	1,374	31,542.96		45,708.96	
SEVEN PINES AVE		321	6,432.84	9,772.67	19,094.51	
DUDLEY	JACKSON TO CLIFTON	240	2,404.80		3,484.80	
					\$346,327.78	TOTAL PER NEIGHBORHOOD

1983 SIDEWALK & STREET SURVEY SUMMARY OF COSTS

NEIGHBORHOOD: #12 Cambridge Highlands

NAME OF STREET	LIMITS	LENGTH	sidewalk	cost street	TOTAL	COMMENTS
NO STREETS					0	
					0	TOTAL PER NEIGHBORHOOD #12

NEIGHBORHOOD: STRAWBERRY HILL (13)

NEIGHBORHOOD: STRAWBERRY HILL (13)

NAME OF STREET	LIMITS	LENGTH	cost		TOTAL	COMMENTS
			sidewalk	street		
CUSHING STREET	BELMONT TO HURON AVE	1,860	37,274.40		54,014.40	
LAWN STREET	CUSHING TO MAY STREET	640	12,825.60		18,585.60	
SULLIVAN ROAD	BELMONT TO THINGVALLA	316	4,221.76		7,065.76	
HIGH STREET	PARK TO HOLOWORTHY	506	6,760.16		11,314.16	
HURON AVENUE	VFW TO ABERDEEN AVE	1276	8,523.68		14,265.68	
NORMAN	BELMONT DEAD END	270	3,607.20		3,607.20	
OXFORD AVENUE	FAIRVIEW BELMONT LINE	285	3,807.60		12,357.60	
PARK	HURON AVENUE HOLOWORTHY	956	19,158.24		27,762.24	
VINEYARD	CUSHING TO MAY	365	4,876.40		15,826.40	
					\$164,799.04	TOTAL PER NEIGHBORHOOD

APPENDIX 2

STREET AND SIDEWALK SURVEY EVALUATION SHEET

EVALUATOR _____

NEIGHBORHOOD _____

STREET _____

between _____
and _____

DATE _____

Residential ☐

single family (1-2) ☐

Multifamily (3-4) ☐

Multifamily (5+) ☐

Commercial ☐

Industrial ☐

Retail ☐

Special

(i.e. public housing, elderly, municipal,
vital services, hospital, fire,
police, etc.) ☐

Material

asphalt	☐
concrete	☐
brick	☐
dirt	☐
combination	☐

Predominant material _____

Width

0-4 feet	☐
4-6 feet	☐
6+ feet	☐

Curbs

granite	☐
concrete	☐

no curbs

curbs o.k.

curbs should be reset

☐ 4-plus

☐ 0-3"

Trees

existing trees	☐
only tree wells	☐
no trees	☐

Curb cuts
Handicap

existing	☐
existing/not enough	☐
not existing	☐
inadequate size	☐

GENERAL RATING

☐

1 - needs replacement
2 - average
3 - good

Comments: _____

needs replacement (1)

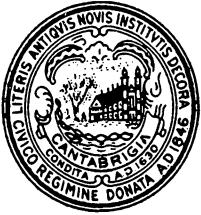
large disruptions in surface
major cracking
uprooted bricks (20-30%)
unsafe walk

average (2)

minor cracks
safe walking
ok pitch

good (3)

new sidewalk



CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139
Tel. 498-9011

EXECUTIVE DEPARTMENT
ROBERT W. HEALY
City Manager

June 13, 1983

To the Honorable, the City Council:

Enclosed please find copy of a joint report from the Public Works Department and the Community Development Department relative to a survey on streets and sidewalks in the City of Cambridge.

Very truly yours,

Robert W. Healy
City Manager

RWH/mbf
Enc.

Re: joint report of the Public Works Dept.
and Community Development Dept. regarding a
survey of streets & sidewalks in the City.

In City Council,

June 13, 1983

6/13/83

*-Placed
on
File.*