

The Traffic Committee Meeting was called to order at 7:30 PM in the Lower Level Conference Room of Troy City Hall on January 18, 1995 by Chairperson Jan Hubbell.

ITEM: 1 ROLL CALL

PRESENT: Arthur Cotsonika
 John Diefenbaker
 Ted Halsey
 Jan Hubbell
 Peggie Perry
 Charles Solis
 Don Townson

REC'D

JAN 25 1995

COMMUNICATIONS

Also present were the following:

- 5 - Kevin Marsee, 256 Minnesota
- 6 - Paul Turner, 272 Minnesota
- 7 - Gail & James Batton, 27524 Bonnie, Warren 48093
 (336 Minnesota)
- 9 - Gerald Holmberg, RCOC
 David Allyn, RCOC
 Les Akey, RCOC
- and John E. Robbins, Transportation Engineer
 Robert Matlick, Fire Inspector
 Lt. Richard Hay, Traffic Safety Unit

ITEM: 2 MINUTES - DECEMBER 14, 1994

Moved by Perry
Supported by Halsey

Recommend that the minutes of the December 14, 1994 Traffic Committee meeting be approved as printed.

YEAS: 7 Cotsonika, Diefenbaker, Halsey, Hubbell, Perry, Solis, Townson

NAYS: 0

ABSENT: 0

MOTION PASSED

ITEM: 3 VISITORS TIME

No one appeared before the Committee for items not on the agenda.

Moved by Perry
Supported by Diefenbaker

Recommend that Items 5, 6 and 7 be taken out of order.

YEAS: 7 Cotsonika, Diefenbaker, Halsey, Hubbell, Perry, Solis, Townson

NAYS: 0

ABSENT: 0

MOTION PASSED

ITEM: 5 ESTABLISH FIRE LANES/TOW AWAY ZONES
AT 256 MINNESOTA.

Section 8.28, Chapter 106, Troy City Code provides for the establishment of fire lanes on private property. The Fire Department recommended that the fire lanes shown on the attached sketch be provided at 256 Minnesota to allow proper deployment of and travel by emergency vehicles (fire, police, medical).

Kevin Marsee appeared before the Committee on behalf of this item. He stated that they are not parking where the fire lanes are shown on the sketch. They own 10' on the south side of the building. They are parking in the vacant lot next to the drive on the south side. They had a 10-12' strip installed beside the drive for parking. Fire Inspector Matlick said that during his survey they were parked on both sides of the pavement. Mr. Diefenbaker questioned how far there is between the building and the parking. Mr. Matlick said that City Code requires 18'. If signs are posted on the side of the building, people parking within 18' could get ticketed. If they could post for fire lanes between the buildings, they could do away with the south side. Mr. Diefenbaker said that it appeared to be enough room.

Mr. Halsey inquired about parking at the rear of the building. Mr. Marsee said that there are 12-15 parking spaces; they have 20-25 employees. Mr. Halsey asked if the employees stayed there, pointing out that if there is a problem, with the employees being there, they could move their vehicles.

The recommendation was made to revise the sketch to maintain the fire lanes between the buildings at 256 and 272 Minnesota and forego those on the south side of the building at 256 Minnesota.

Moved by Halsey
Supported by Diefenbaker

Recommend that the fire lanes/tow away zones shown on the attached revised sketch be established at 256 Minnesota.

YEAS: 7 Cotsonika, Diefenbaker, Halsey, Hubbell, Perry, Solis, Townson

NAYS: 0

ABSENT: 0

MOTION PASSED

ITEM: 6 **ESTABLISH FIRE LANES/TOW AWAY ZONES
AT 272 MINNESOTA.**

Section 8.28, Chapter 106, Troy City Code provides for the establishment of fire lanes on private property. The Fire Department recommended that the fire lanes shown on the attached sketch be provided at 272 Minnesota to allow proper deployment of and travel by emergency vehicles (fire, police, medical).

Paul Turner appeared before the Committee to express his agreement with the fire lanes, as recommended, on the south side of the building at 272 Minnesota. It was noted that there is no parking at the rear of this building.

Moved by Halsey
Supported by Diefenbaker

Recommend that the fire lanes/tow away zones shown on the attached sketch be established at 272 Minnesota.

YEAS: 7 Cotsonika, Diefenbaker, Halsey, Hubbell, Perry, Solis, Townson

NAYS: 0

ABSENT: 0

MOTION PASSED

**ITEM: 7 ESTABLISH FIRE LANES/TOW AWAY ZONES
 AT 336 MINNESOTA.**

Section 8.28, Chapter 106, Troy City Code provides for the establishment of fire lanes on private property. The Fire Department recommended that the fire lanes shown on the attached sketch be provided at 336 Minnesota to allow proper deployment of and travel by emergency vehicles (fire, police, medical).

Gail and James Batton appeared before the Committee on behalf of this item. They indicated that they've been there for 18 years and had never had a problem until the recent construction in the area. Cars from other buildings park at their building. They also have problems with semi trucks parking and/or blocking their access. They feel that Mr. Matlick observed the parking when it was at its worst but it has now dwindled. The plan for the addition at Yarema, 283 Minnesota, should include extra parking. There is parking in front of 336 Minnesota but no rear parking. You can drive around 336 Minnesota which is a multi-tenant building. On the south side of the building there is 26 feet, so with signs on the side of the building, they would have enough room left for parking. Mr. Matlick indicated that they should post the fire lanes between the buildings at 336 and 342 Minnesota and on the south side of the building at 336 Minnesota.

Mr. Halsey commented about the parking in the front of the buildings. He feels that if the parking lots had marked parking spaces, it would allow more spaces and be more orderly.

Moved by Diefenbaker
Supported by Solis

Recommend that the fire lanes/tow away zones shown on the attached sketch be established at 336 Minnesota.

YEAS: 7 Cotsonika, Diefenbaker, Halsey, Hubbell, Perry, Solis, Townson

NAYS: 0

ABSENT: 0

MOTION PASSED

**ITEM: 4 ESTABLISH FIRE LANES/TOW AWAY ZONES
AT 501 EXECUTIVE.**

Section 8.28, Chapter 106, Troy City Code provides for the establishment of fire lanes on private property. The Fire Department recommended that the fire lanes shown on the attached sketch be provided at 501 Executive to allow proper deployment of and travel by emergency vehicles (fire, police, medical).

Fire Inspector Matlick reported that since mail sent to 501 Executive was returned, he met with the people at 501 Executive. They agreed with the fire lanes as recommended and assured him they will be taken care of. Mr. Matlick pointed out that mail for this building address should be sent to the attention of Thomas Tack of M & E Engineering at 1350 John R.

Moved by Halsey
Supported by Diefenbaker

Recommend that the fire lanes/tow away zones shown on the attached sketch be established at 501 Executive.

YEAS: 7 Cotsonika, Diefenbaker, Halsey, Hubbell, Perry, Solis, Townson

NAYS: 0

ABSENT: 0

MOTION PASSED

**ITEM: 8 ESTABLISH FIRE LANES/TOW AWAY ZONES
AT 342 MINNESOTA.**

Section 8.28, Chapter 106, Troy City Code provides for the establishment of fire lanes on private property. The Fire Department recommended that the fire lanes shown on the attached sketch be provided at 342 Minnesota to allow proper deployment of and travel by emergency vehicles (fire, police, medical).

No one appeared before the Committee on behalf of this item.

Moved by Diefenbaker
Supported by Solis

Recommend that the fire lanes/tow away zones shown on the attached sketch be established at 342 Minnesota.

YEAS: 7 Cotsonika, Diefenbaker, Halsey, Hubbell, Perry, Solis, Townson

NAYS: 0

ABSENT: 0

MOTION PASSED

ITEM: 9 OTHER BUSINESS.

Gerald Holmberg, David Allyn and Les Akey from the Road Commission for Oakland County discussed the proposed left turn changes in the SCATS system at 20 intersections in Troy, stressing their desire to improve mobility and reduce delay without sacrificing safety. Further information is forthcoming.

Mr. Halsey asked for any news about the Post Office. Mr. Schroeder reported that the right turn lane on Livernois at Big Beaver will be installed this year. Mr. Robbins said that he hasn't heard anything lately on the proposed changes at the Post Office but thinks it is still in the works.

ITEM: 10 ADJOURN.

The Traffic Committee meeting of January 18, 1995 adjourned at 9:10 PM.

Jan Hubbell, Chairperson

JH/ct

City of Troy

December 21, 1994

Property Manager
501 Executive Drive
Troy, MI 48063

Dear Dear Sir:

In accordance with Chapter 106 of the Troy City Code, your property known as 501 Executive has been surveyed by the Troy Fire Department for the purpose of establishing additional fire lanes.

It is requested that you or your representative attend the Traffic Committee meeting on January 18, 1995, at 7:30 p.m., which is held at the Troy Civic Center, 500 W. Big Beaver.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

TROY FIRE DEPARTMENT



Robert Matlick
Fire Inspector

RM/cz

attch.

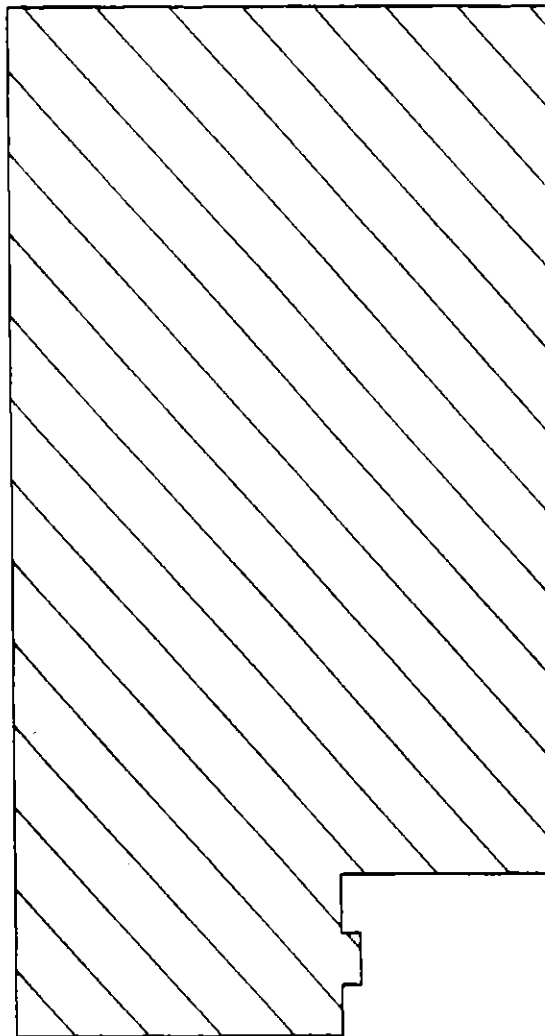
500 W. BIG BEAVER ROAD TROY, MICHIGAN 48064

Bldg. Inspections	524-3344	Dept. of Public Works	524-3370	Library	524-3645	Purchasing	524-3338
City Assessor	524-3311	Engineering	524-3383	Museum	524-3670	Recreation (Parks)	524-3484
City Attorney	524-3320	Finance	524-3411	Personnel	524-3339	Traffic Engineer	524-3379
City Clerk	524-3318	Fire	524-3419	Planning	524-3384	Treasurer	524-3334
City Manager	524-3330	Information	524-3300	Police Dept.	524-3443		

X = PROPOSED FIRE LANE

12"

N



#501

EXECUTIVE



City of Troy

December 21, 1994

Property Manager
256 Minnesota
Troy, MI 48083

Dear Dear Sir:

In accordance with Chapter 106 of the Troy City Code, your property known as 256 Minnesota has been surveyed by the Troy Fire Department for the purpose of establishing additional fire lanes.

It is requested that you or your representative attend the Traffic Committee meeting on January 18, 1995, at 7:30 p.m., which is held at the Troy Civic Center, 500 W. Big Beaver.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

TROY FIRE DEPARTMENT



Robert Matlick
Fire Inspector

RM/cz

attach.

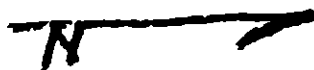
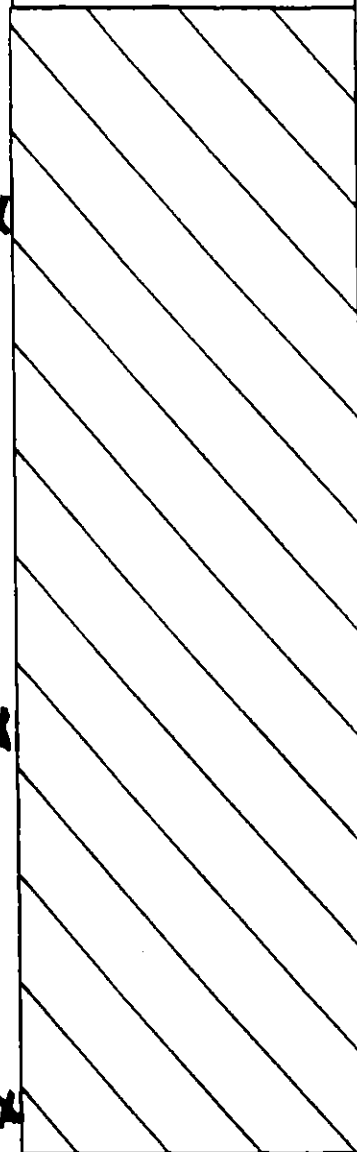
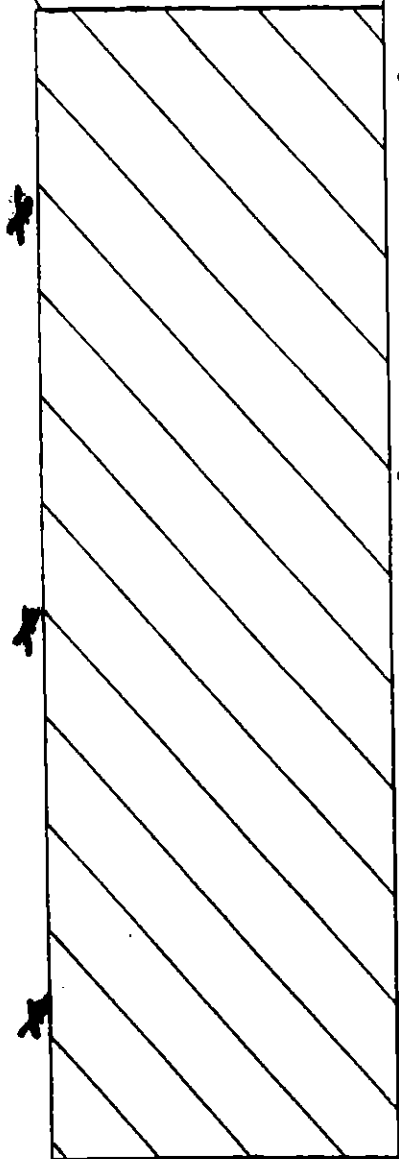
500 W. BIG BEAVER ROAD TROY, MICHIGAN 48084

Bldg. Inspections.....	524-3344	Dept. of Public Works.....	524-3370	Library.....	524-3846	Purchasing.....	524-3338
City Assessor.....	524-3311	Engineering.....	524-3383	Museum.....	524-3670	Recreation (Parks).....	524-3484
City Attorney.....	524-3320	Finance.....	524-3411	Personnel.....	524-3339	Traffic Engineer.....	524-3379
City Clerk.....	524-3318	Fire.....	524-3419	Planning.....	524-3384	Treasurer.....	524-3334
City Manager.....	524-3330	Information.....	524-3300	Police Dept.....	524-3443		

MINNESOTA

#256

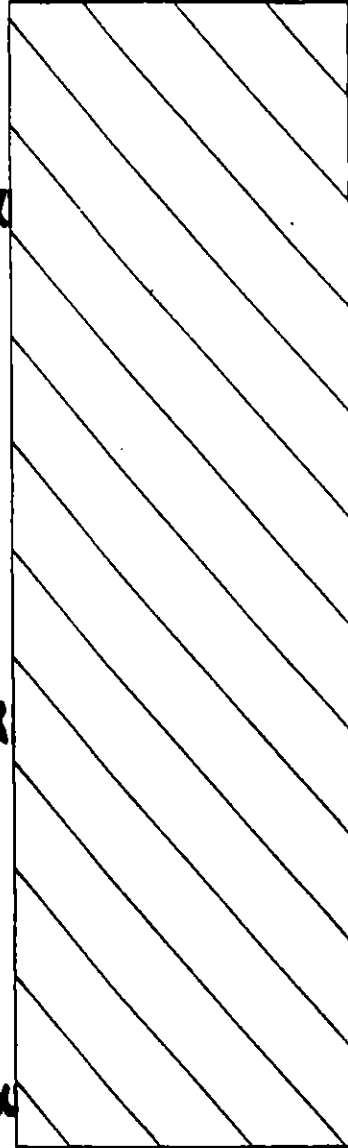
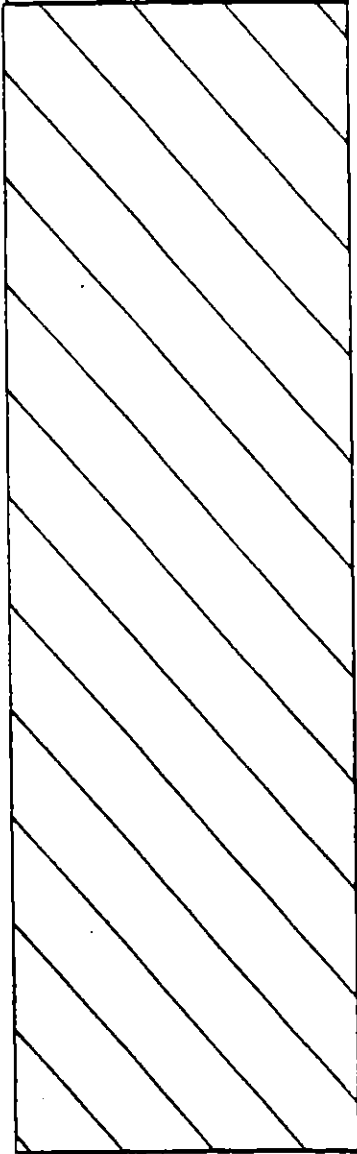
#272



X = PROPOSED FIRE LANES

#256

#272



X = PROPOSED FIRE LANES

City of Troy

December 21, 1994

Property Manager
272 Minnesota
Troy, MI 48063

Dear Dear Sir:

In accordance with Chapter 106 of the Troy City Code, your property known as 272 Minnesota has been surveyed by the Troy Fire Department for the purpose of establishing additional fire lanes.

It is requested that you or your representative attend the Traffic Committee meeting on January 18, 1995, at 7:30 p.m., which is held at the Troy Civic Center, 500 W. Big Beaver.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

TROY FIRE DEPARTMENT


Robert Matlick
Fire Inspector

RM/cz

attch.

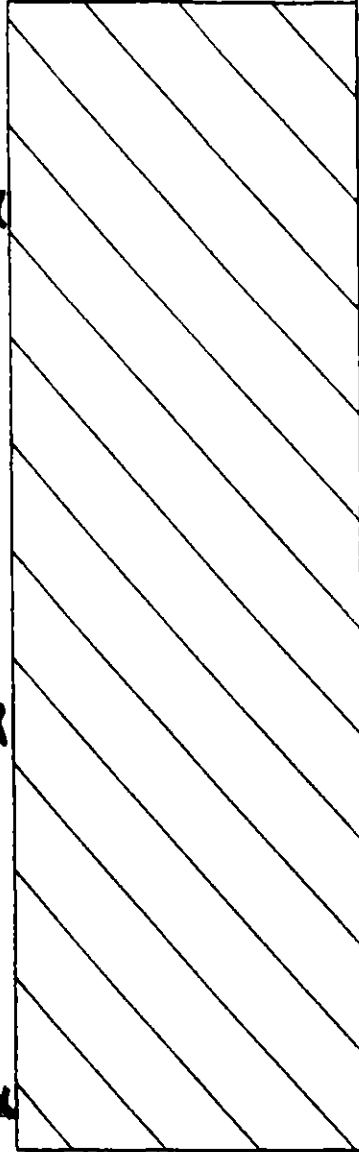
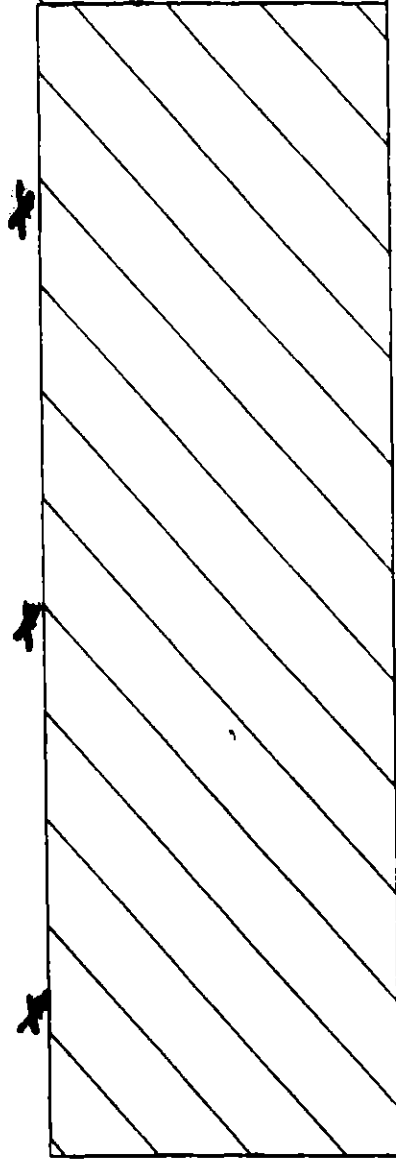
500 W. BIG BEAVER ROAD TROY, MICHIGAN 48064

Bldg. Inspections	524-3344	Dept. of Public Works	524-3370	Library	524-3645	Purchasing	524-3338
City Assessor	524-3311	Engineering	524-3383	Museum	524-3670	Recreation (Parks)	524-3484
City Attorney	524-3320	Finance	524-3411	Personnel	524-3338	Traffic Engineer	524-3379
City Clerk	524-3316	Fire	524-3419	Planning	524-3364	Treasurer	524-3334
City Manager	524-3330	Information	524-3300	Police Dept.	524-3443		

MINNESOTA

#256

#272



N

X = PROPOSED FIRE LANES

City of Troy

December 21, 1994

Property Manager
336 Minnesota
Troy, MI 48063

Dear Dear Sir:

In accordance with Chapter 106 of the Troy City Code, your property known as 336 Minnesota has been surveyed by the Troy Fire Department for the purpose of establishing additional fire lanes.

It is requested that you or your representative attend the Traffic Committee meeting on January 18, 1995, at 7:30 p.m., which is held at the Troy Civic Center, 500 W. Big Beaver.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

TROY FIRE DEPARTMENT


Robert Matlick
Fire Inspector

RM/cz

attch.

500 W. BIG BEAVER ROAD TROY, MICHIGAN 48064

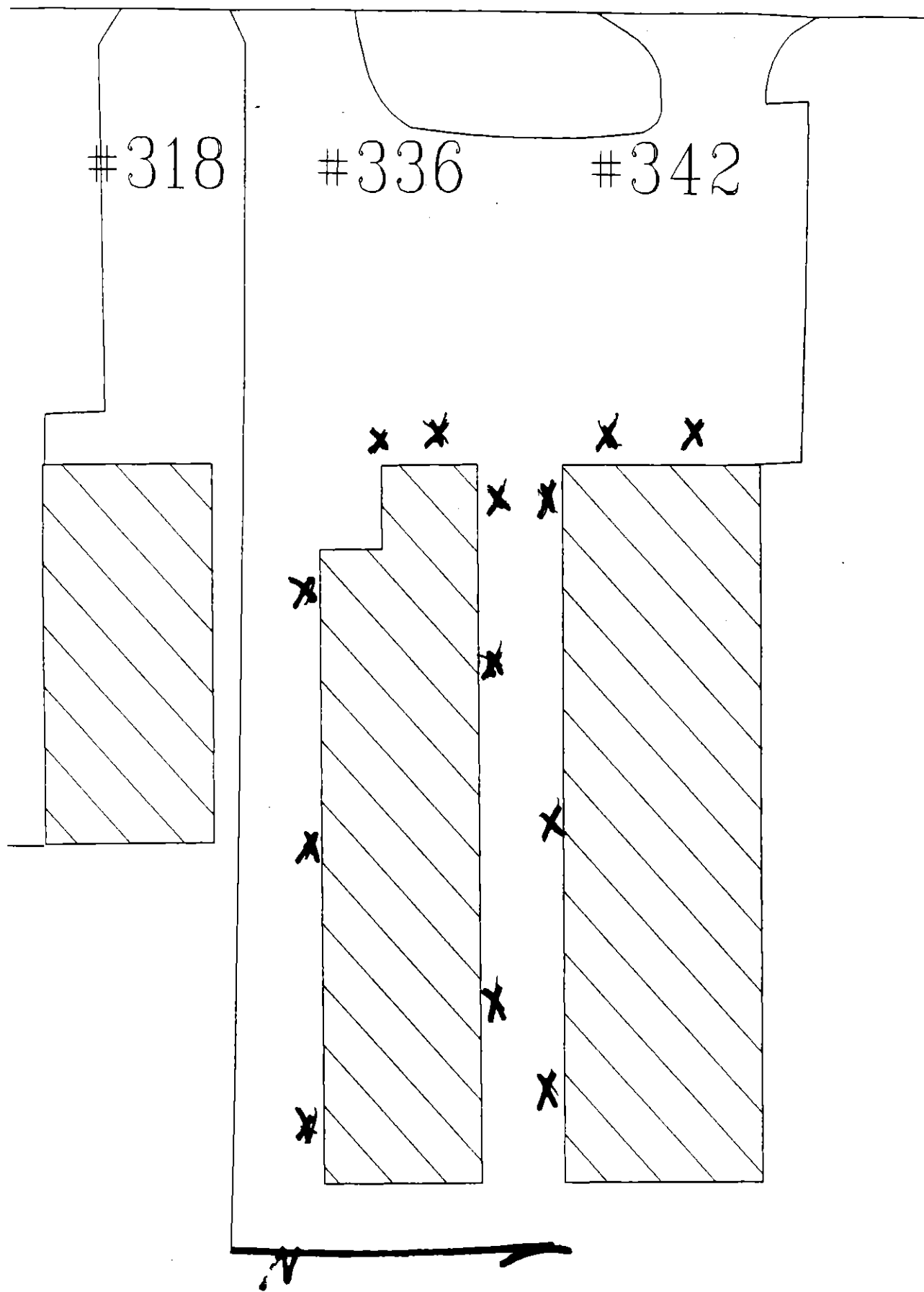
Bldg. Inspections	524-3344	Dept. of Public Works	524-3370	Library	524-3645	Purchasing	524-3338
City Assessor	524-3311	Engineering	524-3383	Museum	524-3670	Recreation (Parks)	524-3484
City Attorney	524-3320	Finance	524-3411	Personnel	524-3330	Traffic Engineer	524-3379
City Clerk	524-3316	Fire	524-3418	Planning	524-3364	Treasurer	524-3334
City Manager	524-3330	Information	524-3300	Police Dept.	524-3443		

MINNESOTA

#318

#336

#342



X = PROPOSED FIRE LANES

City of Troy

December 21, 1994

Property Manager
342 Minnesota
Troy, MI 48083

Dear Dear Sir:

In accordance with Chapter 106 of the Troy City Code, your property known as 342 Minnesota has been surveyed by the Troy Fire Department for the purpose of establishing additional fire lanes.

It is requested that you or your representative attend the Traffic Committee meeting on January 18, 1995, at 7:30 p.m., which is held at the Troy Civic Center, 500 W. Big Beaver.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

TROY FIRE DEPARTMENT


Robert Matlick
Fire Inspector

RM/cz

attch.

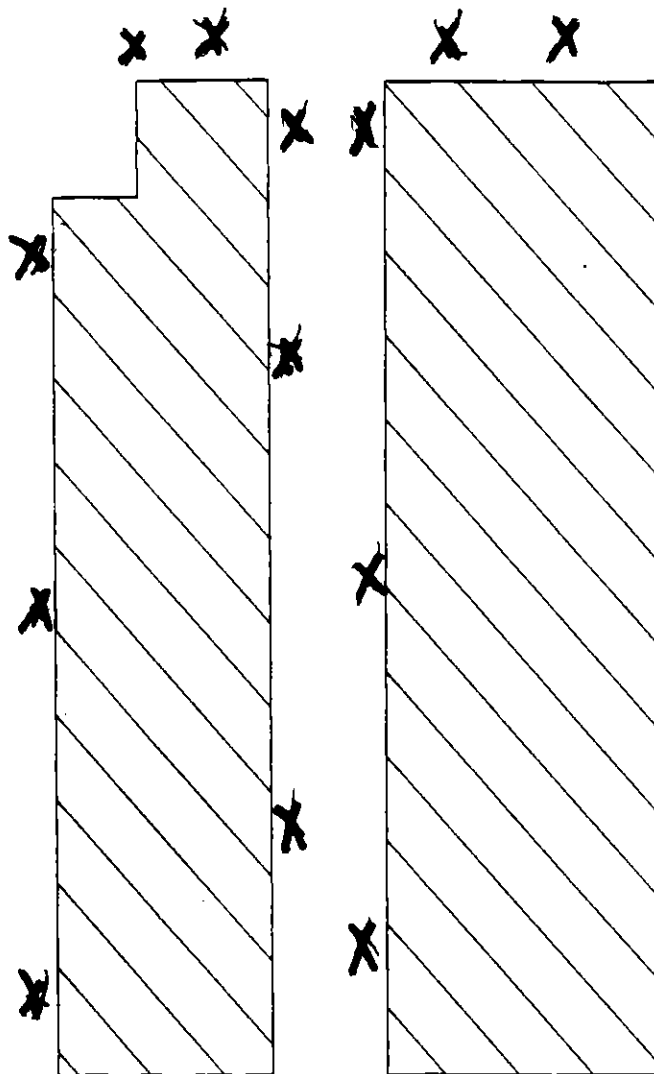
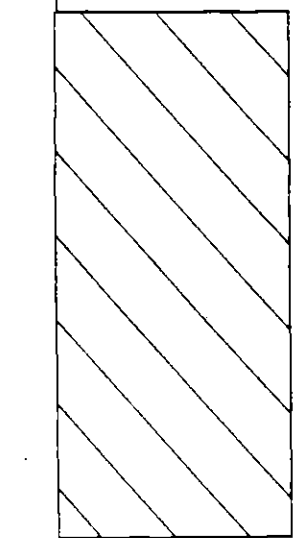
500 W. BIG BEAVER ROAD TROY, MICHIGAN 48084

Bldg. Inspections	524-3344	Dept. of Public Works	524-3370	Library	524-3545	Purchasing	524-3338
City Assessor	524-3311	Engineering	524-3383	Museum	524-3570	Recreation (Parks)	524-3484
City Attorney	524-3320	Finance	524-3411	Personnel	524-3338	Traffic Engineer	524-3379
City Clerk	524-3318	Fire	524-3419	Planning	524-3384	Treasurer	524-3334
City Manager	524-3330	Information	524-3300	Police Dept.	524-3443		

#318

#336

#342



N

X = Proposed File Lanes

TROY LEFT-TURN OPERATION EVALUATION

Based On Critical Peak Hour Approach														Critical Approach				
INTERSECTION	LEVEL OF SERVICE										DELAY (SEC)				Turning Movement		1992 Accident	Recommended Control
	Permissive Left-Turn		Protected Left-Turn		No Left Turn		Permissive Left-Turn		Protected Left-Turn		No Left Turn		Left	Opposing Thru, Rt				
	Left	Thru, Right	Left	Thru, Right	Left	Thru, Right	Left	Thru, Right	Left	Thru, Right								
1 South Blvd & Crooks EB WB NB SB	A	C	D	D	C	C	0	21	35.3	32.1	18.4	18.2	67	429	28743	1	Permissive Left	
	D	D	F	F	D	B	26.4	28.8	N/A	127.1	36.2	23.3	356	187	66572	0	Permissive Left	
	B	C	D	C	B	B	12.5	15.2	38.4	24.2	9.5	12.3	70	723	50610	0	No Left Control	
	B	C	D	F	B	C	9.9	24.7	37.2	66.3	8.1	18.1	60	851	51060	0	No Left Control	
2 Adams & Walters EB WB NB SB	A	C	D	D	C	C	0	22.5	34.4	31	20.4	22.5	60	347	20820	0	No Left Control	
	A	D	D	E	C	D	0	25.2	38.4	43.9	21.1	25.2	100	266	26600	0	No Left Control	
	A	F	D	F	B	C	0	109.5	34.6	109.5	6.9	15.8	52	496	25792	0	No Left Control	
	A	C	D	C	B	B	0	21.3	34.7	21.3	8	9.3	56	807	45192	0	No Left Control	
3 Square Lake & Livernois EB WB NB SB	C	F	F	F	C	F	16.6	N/A	N/A	N/A	24.7	74.5	240	250	60000	0	Permissive Left	
	C	C	E	D	F	C	17.3	23.9	40.9	28	N/A	18.1	81	684	55404	0	Permissive Left	
	A	D	D	D	B	C	0	25.4	40	37.3	8.8	15	72	414	29808	0	No Left Control	
	A	C	D	C	B	B	0	15.9	38.3	20.2	12.9	10.8	60	737	44220	1	No Left Control	
4 South Blvd & Livernois EB WB NB SB	C	F	F	F	D	D	19.1	61.6	108.8	130.9	26.2	28.7	244	251	61244	0	Permissive Left	
	A	D	D	D	C	C	0	26.4	34.4	30.3	18.8	20.1	54	450	24300	1	Permissive Left	
	A	F	D	F	B	C	0	87.7	38.2	N/A	9.4	22.4	32	854	27328	0	No Left Control	
	F	A	D	C	B	B	0	20.3	38.7	23.9	11.6	12.1	55	780	42900	0	No Left Control	
5 Crooks & Walters EB WB NB SB	A	F	D	F	C	D	0	104.3	35.7	N/A	19.1	30.8	53	870	46110	0	Permissive Left	
	C	D	D	E	F	C	16.7	30.5	35.7	42.2	143.1	21.1	405	514	208170	0	Permissive Left	
	C	C	F	D	F	B	20.6	21.3	N/A	28.2	122.7	13.7	217	990	214830	5	Permissive Left	
	F	C	E	C	B	B	N/A	16	43.9	19	N/A	10.8	124	1564	193936	2	Permissive Left	
6 Long Lake & Adams EB WB NB SB	C	E	D	F	D	C	17.1	44.8	36	97.7	30.5	24.1	78	571	44538	1	No Left Control	
	C	F	D	F	C	D	17.1	137.9	36	N/A	19.3	35	86	518	44548	0	No Left Control	
	A	D	D	F	B	C	0	37.1	36.4	68.1	9	18	137	412	56444	0	Permissive Left	
	B	C	D	C	B	B	8	16.5	35	19.8	10.2	11.1	164	512	83968	0	Permissive Left	
7 South Blvd & Adams EB WB NB SB	C	D	D	D	C	C	17.5	29.5	36.5	39.4	18.9	20.8	84	408	34272	0	No Left Control	
	A	D	D	F	C	C	0	38.8	34.4	74	17.1	23.1	47	340	15980	0	No Left Control	
	A	C	D	D	B	B	0	20.3	35	26.1	9.7	13.1	176	549	96624	0	Permissive Left	
	A	D	D	E	B	C	0	30.5	38.5	51.2	10	16.5	79	771	60909	0	Permissive Left	

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TROY LEFT-TURN OPERATION EVALUATION

INTERSECTION		LEVEL OF SERVICE										DELAY (SEC)										Critical Approach							
		Permissive Left-Turn				Protected Left-Turn				No Left-Turn				Permissive Left-Turn				Protected Left-Turn				No Left-Turn				Turning Movement Opposing Thru, Rt	Left Thru, Rt	1992 Accident	Recommended Control
		Left		Thru, Right		Left		Thru, Right		Left		Thru, Right		Left		Thru, Right		Left		Thru, Right		Left	Thru, Rt						
		Left	Thru, Right	Left	Thru, Right	Left	Thru, Right	Left	Thru, Right	Left	Thru, Right	Left	Thru, Right	Left	Thru, Right	Left	Thru, Right	Left	Thru, Right										
8 South Blvd & Rochester	EB	E	D	E	D	E	D	E	D	0	22.5	N/A	56.3	22.2	22.2	39.6	43.5	304	148	44992	0	No Left Control							
	WB	D	C	D	C	D	C	D	C	0	25.2	33.9	26.2	17	17.5	25	25.4	34	460	15640	0	No Left Control							
	NB	A	D	E	E	B	C	0	109.5	35.9	78.9	8.8	18.9	121	846	102366	0	Permissive Left											
	SB	C	C	E	C	F	B	17.6	17.5	52	21.2	N/A	11.8	11.8	104	1732	180128	1	Permissive Left										
9 South Blvd & John R	EB	A	C	F	E	C	C	0	22.5	N/A	56.3	22.2	22.2	269	136	36584	0	No Left Control											
	WB	A	D	D	D	C	C	0	25.2	33.9	26.2	17	17.5	30	466	13980	0	No Left Control											
	NB	A	F	D	F	B	C	0	109.5	35.9	78.9	8.8	18.9	121	846	102366	0	Permissive Left											
	SB	A	C	D	C	B	B	0	21.3	33.7	19.1	8.7	10.8	55	914	50270	2	Permissive Left											
10 Long Lake & John R	EB	C	F	E	F	C	F	16.8	N/A	41	N/A	21.2	75.8	128	403	51584	0	Permissive Left											
	WB	C	D	E	E	C	C	22.8	30.1	40.8	41.1	N/A	21	113	785	88705	1	Permissive Left											
	NB	A	C	E	C	B	B	0	17.4	58.9	21	10.1	11.7	95	1114	105830	1	Permissive Left											
	SB	A	B	D	C	D	B	0	13.7	35.1	16.2	29.8	9.4	65	1244	80860	5	Permissive Left											
11 Watlies & Dequandre	EB	A	D	A	D	C	C	0	25.5	0	29.9	20.6	19	80	506	40480	1	Permissive Left											
	WB	C	F	C	C	F	F	17.3	N/A	20.3	N/A	21.9	60	205	256	52480	1	Permissive Left											
	NB	A	C	A	C	B	B	0	15.7	0	18.7	9	10	77	506	38962	3	Permissive Left											
	SB	A	D	A	E	B	C	0	27.2	0	42.4	8.8	15.6	123	787	96801	0	Permissive Left											
12 Watlies & John R	EB	C	C	D	D	F	C	16.4	24.5	35.4	28	165.4	18.5	69	1270	87630	3	Permissive Left											
	WB	F	F	F	F	E	C	N/A	21.8	N/A	24.7	N/A	N/A	433	400	173200	1	Permissive Left											
	NB	A	D	C	C	C	B	0	12.8	34	15.2	122.7	21.8	128	516	66048	1	Permissive Left											
	SB	A	D	D	E	B	C	0	28.9	36	53.1	8.6	15.9	101	1506	152106	2	Permissive Left											
13 Watlies & Liverious	EB	F	D	F	F	D	C	81	35.1	N/A	69.5	34.9	22.5	258	455	117390	1	Permissive Left											
	WB	D	C	E	D	D	C	25.7	25	42.7	28.7	33.7	18.8	121	807	97647	0	Permissive Left											
	NB	A	E	F	F	B	C	0	53.8	74.1	110.3	11.1	19.4	166	639	106074	1	Permissive Left											
	SB	B	B	D	C	F	B	8.2	14.7	35.3	17.4	150.3	10	67	1564	104788	2	Permissive Left											
14 Square Lake & John R	EB	A	F	D	F	C	C	0	90	36.5	117	18.4	24.9	84	371	31164	0	No Left Control											
	WB	C	D	D	D	F	C	17.9	29	36.5	31.9	80.5	19.6	84	612	51408	1	No Left Control											
	NB	A	F	E	F	B	D	0	85.5	48	N/A	10.1	35.1	135	489	66015	1	Permissive Left											
	SB	A	C	D	C	C	B	0	15.2	34.7	21.2	21.1	11.6	55	914	50270	0	Permissive Left											

TROY LEFT-TURN OPERATION EVALUATION

INTERSECTION	Based On Critical Peak Hour Approach														Critical Approach			
	LEVEL OF SERVICE														Turning Movement			
	Permissive Left-Turn				Protected Left-Turn				No Left-Turn				DELAY (SEC)				Left Multiplied By Opposing	1992 Accident
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left		
16. Long Lake & Dequindre EB WB NB SB	A C A A	D C C C	D D C C	F D D E	E D F C	D D F C	C C C B	C C C B	C C C B	C C C B	C C C B	C C C B	53.4 27.7 18.6 17.1	61.4 37.4 35.9 42.5	32.2 24.2 15.6 14.5	0 18.5 0 0	155 73470 92 71760	1 2 2 2
16 Square Lake & Dequindre EB WB NB SB	A C B B	E D F F	F D F D	E D D D	F D F D	F D F D	C C C C	C C C C	C C C C	C C C C	C C C C	C C C C	114 33.6 N/A 127.3	42 35 36.4 35.1	49.6 27.3 N/A 66.8	0 16 9.1 8.1	118 35046 28854 69637	1 0 0 0
17. Wetzel & Coolidge EB WB NB SB	A C A A	D D C C	D D C C	D D C C	F D C C	F D C C	C C C C	C C C C	C C C C	C C C C	C C C C	C C C C	71.5 35.8 N/A 16.4	34.3 40.9 40 34	38 27.1 19.1 13.9	0 16.8 0 0	45 291 244 37	0 2 1 0
18. Square Lake & Rochester EB WB NB SB	A C A B	F D D C	F D D C	F D D C	F D D C	F D D C	D D D D	D D D D	D D D D	D D D D	D D D D	D D D D	144.1 33.6 67.9 21.2	185.7 45.5 42.9 48	69.8 29.8 39 18	0 23.3 0 13.6	176 56320 513 40527	1 1 1 3
19 Square Lake & Coolidge EB WB NB SB	A A A A	D D D B	D D D A	D D D A	D D D A	D D D A	C C C C	C C C C	C C C C	C C C C	C C C C	C C C C	29.9 31.6 57.6 15.1	34.1 37.6 0 0	25.5 26.4 33 12.8	0 0 0 0	320 56320 513 40527	1 1 1 3
20 South Blvd & Dequindre EB WB NB SB	E A C E	D C C B	D C C B	F D D D	F D D D	F D D D	D D D D	D D D D	D D D D	D D D D	D D D D	D D D D	98.4 27.8 30.5 19.2	N/A 30.6 38 39.6	32.4 22.1 20.3 14.3	48.2 0 17.6 59.4	594 26136 6921 74528	0 0 0 0