



Department of Transportation HIGHWAY DIVISION

TRANSPORTATION BUILDING, SALEM, OREGON 97310

In Reply Refer to File No.:

TRA 7-3

February 5, 1980



Mr. M. J. Martini Sr. Traffic Engineer City of Portland 420 SW Main Street Portland, OR 97204

Dear Mr. Martini:

This will acknowledge your letter of December 28, 1979, regarding the correct usage of the Transit Lane on SW Barbur Boulevard in Portland.

We have discussed the intent of the original concept of this lane with our Metropolitan Branch and with Assistant Attorney General and Chief Counsel Jack Sollis regarding the legal aspects.

The original intent was during peak hours (6:30 am to 9:30 am, 3:30 pm to 6:30 pm) this lane would be for the exclusive use of Tri-met buses. During off-peak hours, usage would be the same as any paved painted median area, such as we have on many of our State Highways (Mt. Hood Highway, Redwood Highway, Crater Lake Highway, etc.). The use of this painted median is not the same as a continuous left-turn lane (one solid yellow line and one broken-skip line on each side of the facility).

It was never the intent to prohibit left turns across this median during non-peak hours. ORS 487.175 covers the legality of left turns during hours not prohibited by the existing signs. It states that "a driver commits the offense of failure to drive on the right if he drives to the left of the center line of a two-way roadway having four or more lanes for moving traffic, except . . . when making a left turn at an intersection, alley or private road or driveway".

We agree that the present rider is difficult to interpret, and your suggested revision may help. For this reason, by a copy of this letter, we are requesting E. L. Hardt, Region I Engineer, to have the riders inventoried and to order replacement riders as soon as convenient.

It seems appropriate for your office to work with the Portland Police in an effort to obtain uniform interpretation and enforcement of this facility.

Sincerely,

REGEIVED

BUREAU OF TRAFFIC ENGINEERING L. E. George \(\)
Traffic Engineer

Barbur

TRI-COUNTY **METROPOLITAN TRANSPORTATION** DISTRICT OF OREGON



Martin

February 29, 1980

4O12 SE 17th AVENUE PORTLAND, OREGON 97202

Mr. Don Bergstrom City Traffic Engineer 420 SW Main Portland, Oregon 97201

Dear Mr. Bergstrom:

The Barbur Bus Lane has been in operation for over a year. The travel time study that was done during October 1978 indicated a significant time savings for buses using the Bus Lane. Given Tri-Met's increased ridership during the last year even more transit riders are benefiting from the time savings. However, there have been operational problems that have diminished the beneficial aspects of the Bus Lane.

A review of the accident reports for the first twelve months of bus operation in the Lane indicates a total of 20 accidents have occurred. Considering that Tri-Met operates in the lane for only six hours per day, the accident rate is extremely high (one every thirteen days). As can be seen from the attached list of accidents, the majority of the accidents have been caused by auto drivers that are either confused or unaware of how the lane is to be operated. Most of the accidents have involved major damage to both buses and autos.

Also of concern is the apparent lack of enforcement of the no left turn requirement during the bus lane hours of operation. On several occasions numerous autos have been observed making left turns at Water Avenue and Whitaker Street.

If the current situation is not corrected, Tri-Met may be forced to discontinue use of the lane. Before we reach that point, I would like to meet with representatives from both ODOT and the City of Portland to review the problems we are having with the lane and determine possible solutions. I would appreciate it if you would have someone from your staff contact me so that we can set a meeting time and place that will be convenient for all parties.

Sincerely,

Row Failmezgen

Ron Highee Engineering Services Manager April 10 Am Moneday

RH/aem enclosure

cc: Paul Bay

BUREAU OF

called for scheduled meeting.

sometime often left. 1:7.

3-12-80 11:45 Avan

LIST OF BUS LANE ACCIDENTS

DATE	LOCATION	DESCRIPTION
9-10-78	Rassmussen Village	Auto changing lane struck bus. Minor Damage.
9-22-78	Hamilton	Auto made left turn in front of bus.
9-26-78	Whitaker	Auto passed bus, went into bus lane and stopped. Bus struck auto.
10-03-78	Ham ilton	Bus side swiped by truck.
11-02-78	Hamilton	Auto passed bus, went into bus lane and stopped. Bus struck auto.
11-14-78	Whitaker	Auto cut in front of bus and stopped to make left turn. Bus struck auto.
12-07-78	Hamilton	Auto turned left into path of bus.
12-26-78	Whitaker	Auto made left turn into path of bus.
1-04-79	Condor	Auto rear-ended bus.
1-22-79	Whitaker	Auto made left turn into path of bus
3-28-79	Bancrofft	Auto changing lanes was struck by bus in bus lane.
4-27-79	Whitaker	Auto made left turn into path of bus:
4-30-79	Hamilton	Auto made left turn into path of bus.
5-17-79	Hamilton	Bus ran red light. Operator claims light malfunctioning.
6-06-79	Hamilton	Bus struck auto that made left turn in front of bus.
7-26-79	Hamilton	Bus rear-ended truck that stopped in front of bus.
7-27-79	Hamilton	Auto made left turn in front of bus.
8-10-79	Viewpoint	Bus struck truck that turned in front of bus.
8-17-79	Lowell	Bus rear-ended auto that stopped in bus lane.
9-05-79	Bancrofft	Bus struck auto that made left turn in front of bus.

OSHO to NOM Complete Deccount Annlysis For Bankon-Full Length

Barliur

September 19, 1980

INTEROFFICE MEMORANDUM

TO:

Mayor & Council

FROM:

Don E. Bergstrom

S SUBJECT:

Accidents on Banfield (HOU lanes)

6

and Barbur Blvd. (Bus lane).

As requested at the Sept 2, 1980 informal council session, the following accident information is furnished for Barbur Blvd. and the Banfield Freeway before and after the bus lane and the HOU lane.

Barbur Blvd. - Bus Lane

The bus lane was placed in operation two years ago in September, 1978. Accidents for a 12 month period before the bus lane totaled 44 for an accident rate of 2.54 accidents per million vehicle miles. Five of these accidents involved buses. Accidents for a 12 month period after the bus lane was in operation totaled 47 for a rate of 2.71 accidents per million vehicle miles. Seven of these accidents involved buses. This compares to an average of 3.2 accidents per million vehicle miles for comparable non-freeway arterials.

Tri-Met is in the process of evaluating the second 12 month period and should have a report out by October 1st. Necessary changes in the operation will be considered at that time.

Accidents on Banfield September 19, 1980 Page 2

Banfield - HOU Lanes

Accidents for one year prior to the 3.5 mile H.O.U. lane total 140 for an accident rate of 1.05 accidents per million vehicle miles.

Accidents for a one year period after the H.O.U. lane total 157 for an accident rate of 1.18 accidents per million vehicle miles.

The average ratefor urban freeways is 1.11 so the rate with the H.O.U. lane is not significantly higher.

The H.O.U. lane will be discontinued when the Banfield construction begins. This should occur in late 1981 or early 1982.

For further information please give me a call at 248-4295.

Sinceemty,

D. E. Bergstrom City Traffic Engineer

DEB:mc



OREGON EPARTMENT OF TRANSPORTATION

OFFICE OF PUBLIC AFFAIRS SALEM. 97310

FOR MORE INFORMATION CONTACT:

John J. Earley 378-6546 1-800-452-7813

September 8, 1980

Spring INFORMATIC

80-133-S FOR IMMEDIATE RELEASE

Bids will be received by the Oregon Transportation Commission on Thursday, September 25 for an illumination project at the West Portland Park and Ride facility on the Pacific Highway (I-5) in southwest Portland. This is a readvertised project with previous bids rejected as too high. Completion time is 150 calendar days.

This project is in addition to seven others previously advertised for this date.

this project is adding and veramping some of the high pressure sodium lights at Barbur Station

Barbur

July 21, 1980 -

Bill Lieberman
Planning Dvision
Tri-Met
4012 S.E. 17th
Portland, Oregon 97202

Dear Mr. Lieberman:

This letter is in regards to a proposed traffic signal at S.W. Barbur at Hooker. This will be a pedestrian actuated signal to be installed by the Metro YMCA according to City of Portland specifications.

As this installation would impact the operation of the Barbur Blvd. buslane we would like you to review and approve the proposed design. Find attached a sketch of the proposed traffic signal.

Operationally this signal would be tied in with either S.W. 4th at Sheridan or S.W. 5th at Sheridan. During the A.M. peak traffic would progress inbound to S.W. 4th at Sheridan. During the P.M. peak traffic would progress outbound from S.W. 5th at Sheridan.

I look for your reply by August 1, 1980. If I can be of assistance please call at 248-4515.

Sincerely,

Jack F. Mason Traffic Engineer

Barbur

July 8, 1980

Mr. Bruce Eckland Metro YMCA 2831 S.W. Barbur Blyd. Portland, OR 97201

Dear Mr. Ecklund,

This letter is to describe the respective responsibilities of the Metro MMCA and the City of Portland as they pertian to the Traffic signal at S.W. Barbur Blvd. at S.W. Hooker Street. For convienience the Metro YMCA will be refered to as the "Y", and the City of Portland will be refered to as the "City".

Things to be done by the City:

- 1. The City will prepare plans and specifications for the work.
- 2. The City will approve material submitted prior to construction.
- 3. The City will monitor the construction work.
- 4. The City will require that all deficiencies be corrected prior to acceptance of the traffic signal.
- 5. Upon acceptance of the installation by the City it shall become the property of the City. The City will forthwith assume all maintenance and power costs.

Things to be done by the Y:

- The Y will solicit bids from and award a contract to one of the contractors recommended by the City.
- All financial dealings, regarding the construction work, will be between the Y and the contractor.
- 3. The Y is obligated to have it's contractor provide a signal installation that meets the plans and specifications.
- 4. The Y will bear the entire cost of procuring and installing the traffic signal equipment.

Bruce Eckland July 8, 1980 Page 2

It is understood by the Y and the City that this installation will be a pedestrian actuated traffic signal. Thus vehicular signals or detection, fors.W. Hooker Street, will not be installed.

When the Y notifies the City it accepts the provisions described herein, the Y will then be authorized to proceed with bidding.

If you have any questions, please call Jim Wilson at 248-4197. Sincerely,

D.E. Bergsgrom City Traffic Engineer

DEB/JFM/as

Barbur

August 5, 1980

Gordon Gregerson Tice Electric 2139 S.E. Belmont POrtland, Oregon 97214

Dear Gordon;

Find elclosed 6 sets of plans and specifications for S.W. Barbur Blvd. at S.W. Hooker Street. Please call me at 248-4515 if you have any questions. I'll be waiting to see your submittals.

Sincerely,

Jack F. Mason Traffic Engineer

JFM: ah eclosure



OREGON STATE HIGHWAY DIVISION

Mr. Donald Bergstrom City Traffic Engineer Portland, OR 97204 Barbur

SUBJECT:

Street Codes

Carl Vistica

Traffic Engineering

ODOT

FROM:

DATE: June 24, 1980

Attn: Dale Parks

We have an immediate need of the names and codes for the streets indicated on the attachments that shows the I5 - Tigard Interchange area, recently annexed the Portland.

For the ramps we recommend the names and codes as follows:

1. NB EXTO BARBUR BLVD 9470 2. NB ENFR BARBUR BLVD 9471 3. SB EXTO BARBUR BLVD 9473 4. SB ENFR BARBUR BLVD 9477			1	Name		Code	
T. 30 LITTE DAILOUN DE 10 34//	2.	NB SB	ENFR EXTO	BARBUR BARBUR	BLVD BLVD	9471	

For the other streets marked A,B,C, & D:

Α.	Is it	SW	60th Ave?	5060
В.	Is it	SW	Capitol Hwy?	0508
С.	Is it	SW	64th Ave?	5064
D.	Is it	SW	Coronado, as	
	shown	on	the attached Tigard	
	map?			0530

£. E. George
Traffic Engineer
Transportation Bldg.
Salem, Oregon 97310
Attn: C. Visttca

(SIGNATURE)

PLEASE REPLY HERE

The names and code numbers you have assigned to the ramps, one thru four, are agreeable with us.

The answers to "A Thru D" are yes.
You have them labeled correct.
Thanks you for the information.

returned 7-3 80

(SIGNATURE)

Dale Parks

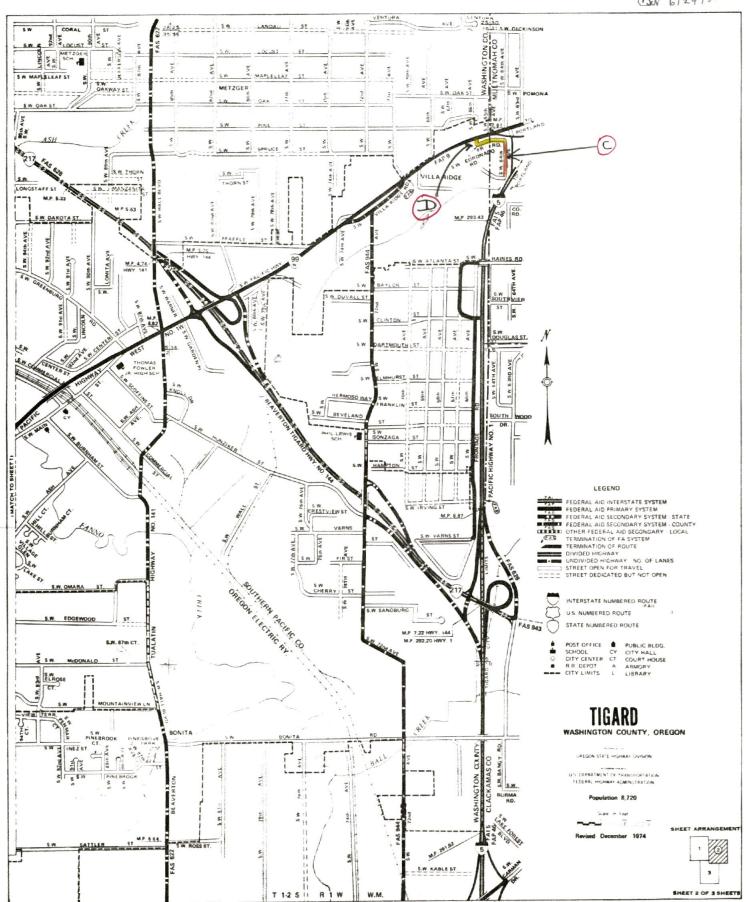
^{1.} SENDER SHOULD DETACH SHEET NO. 4 AND HOLD UNTIL REPLY IS RECEIVED, LEAVING 1st 2 CARBONS INTACT.

^{2.} ADDRESSEE SHOULD REPLY, DETACHING SHEETS, RETAINING SHEET NO. 1 AND RETURNING SHEET NO. 3 TO SENDER.

^{3.} SHEET NO. 2 MAY BE USED AS INFORMATIONAL CARBON COPY OR DESTROYED.

Reference to A De Parker, City of Porthurd

mp. 293 82



Barlin

YMCA of Columbia - Willamette

Metro Center

2831 SW Barbur Boulevard

Portland, Oregon 97201

THE

503/223-9622

MOVE

July 24,1980

Mr. Jim Wilson Bureau of Traffic Engineering City of Portland 317 S.W. Alder Street Portland, Oregon 97204

Dear Jim,

This letter is the YMCA's acceptance of the provisions which Don Bergstrom described in his letter of July 8th regarding the pedestrian actuated traffic light to be installed at S.W. Barbur Boulevard at Hooker Street.

The YMCA agrees to:

- 1. Solicit bids from and award a contract to one of the contractors recommended by the City (our Building and Property Committee has determined to accept the bid made by Tice Electric Company.)
- 2. All financial dealings, regarding the construction work, will be between the YMCA and the contractor.
- 3. The YMCA is obliged to have it's contractor provide a signal installation that meets the plans and specifications.
- 4. The YMCA will bear the entire cost of procuring and installing the traffic signal equipment.

Please advise if any further information is necessary prior to our proceeding with the installation of the traffic signal.

Sincerely,

Associate Metropolitan Executive

Building Operations and Property Management

YMCA of Columbia-Willamette

BE:bmc

cc: Don Bergstrom
Bill Stuber
Dan Heimbuck



19

Barleur

YMCA of Columbia-Willamette	
Metro Center	
2831 SW Barbur Boulevard	ON
Portland, Oregon 97201	THE
503/223-9622	MOVE

July 25,1980

Gordon S. Gregersen Project Manager Tice Electric 2139 SE Belmont Portland, Oregon 97214

Reference: Traffic Signalization

S.W. Barbur Blvd. at Hooker Street

The YMCA confirms your \$29,800. bid and completion date of no later than January 1,1981 and hereby gives notice to proceed, as per Special Provisions dated June 25,1980, and specialization plans as submitted to you by Don Bergstrom, City Traffic Engineer.

It is our understanding that technical assistance will be provided by the City of Portland.

You may refer any questions to my attention.

Muca 1

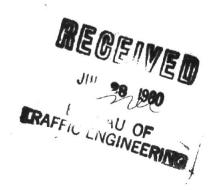
Sincerely,

Bruce Ecklund

Associated Metropolitan Executive Building Operations and Property Management

BE:bmc

cc: Don Bergstrom ,City Traffic Engineer
Jim Wilson,Bureau of Traffic
Jack Mason, Bureau of Traffic
Bill Stuber
Tom Tisdale
Mike Thomsen





April 2, 1980

Mr. Tom Walsh 3015 S.W. 1st Avenue Portland, Oregon 97201

Dear Mr. Walsh:

The YMCA has requested that a pedestrian actuated signal be installed at the intersection of S.W. Barbur Blvd. and Hooker Street.

Traffic Engineering has reviewed traffic conditions at this location. We agree that conditions are hazardous for pedestrians and that a pedestrian actuated signal is warranted.

Since this location is within the Lair Hill District, I would appreciate comments from Lair Hill District Advisory Council regarding this request.

If you have questions and would like additional information, would you please call me at 248-4295.

Sincerely,

D. E. Bergsstown City Traffic Engineer

DEB:mc

Attachment

March 17, 1980

L. E. George Connie McCready Oregon Department of Transportation Transportation Building Salem, Oregon 97310

317 S. W. Alder SUBJECT: Traffic Signals at
West Portland Park and Ride

Traffic signals installed at S. W. Barbur Blvd. and Taylors Ferry Rd. and at Barbur Blvd. and the east access to the Park and Ride Station, both have poles for the left turn signals mounted in the middle of Barbur Blvd.

One of these poles has been knocked down 3 times in separate incidents. The maintenance of these poles is becoming a serious problem.

I am recommending that the State redesign these intersections, eliminate these poles, and use longer mast arm supports for these left turn signal heads.

We will gladly discuss this with you.

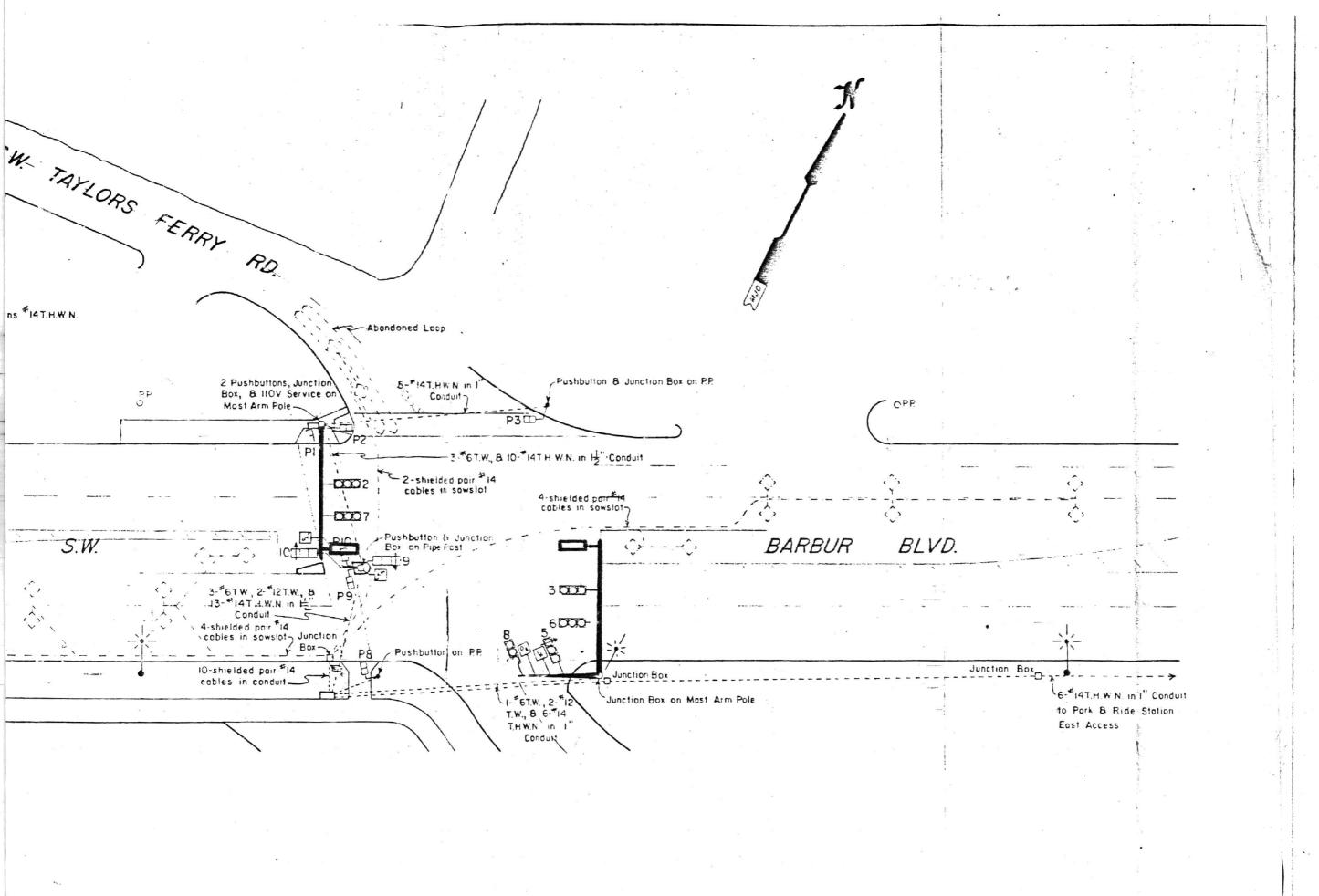
D. E. Bergstrom City Traffic Engineer

RCS:jjp

Encl.

cc: Dick Schmidt Jim Wilson

+. R 8484



DEPT.

SIGNALIZA

PLAN

S.W. BARBUR

TA

S.W. TAYLORS F

JUNE, 197 SCALE 1"= 38

Revisions

	116 113.011	
Date	Description) [
1/78	Turned on	_
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		_

APPROVED A

DATE 6-2

PI -5-2

NOTE: All loops are 4 turns *14T.H.W.N. 1. 6T.W., 2- 12T.W., 8 3-14T.H.W.N. in 1 Pushbutton, Junction Box, & HOV Service on Mast Arm OPP. -Junction Box on Most Arm Pole 3-#6T.W., 2-#12T.W., 8 10-#14 T.H.W.N. in 12" **-000**2 4-shielded pair *14 coble ,DDD 7 S.W. BARBUR BLVD. 3 000 -3-shielded --pair #14 cobles in sowsloty Junction 1- 6T.W. 8 7- 14 THW.N. in 1" Conduit-9-shielded pair #14 cables in conduit-S-14T.HW.N. in 1" Conduit Controller 7- 14THW.N. in 3 Conduit

SIGNALIZAT PLAN

S.W. BARBUR E

PARK & RIDI

JUNE, 1978

SCALE: 1" = 30'-0"

Revisions

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		* .
		, N

APPROVED City Troffic

DATE 6-29-7

PL-5-238

BROOKE KOENig

10-16-79

I Request A TRACK LOADING Sign To be phased in FRONT OF My PROPERTY 9456 S.W. BARBUR BLU The Ohd BARN 6 APM TO 10:00 APM

Thank you Edward Saun

THE OLD BARN

RESTAURANT-LOUNGE

9656 S. W. Barbur Blvd. 97612

MARA

NOT ENDUERT ROM FOR TLZ

245-7981

No Assur 26-007-77 @ DOMM

OCT 23 1979

RAFFIC ENGINEERING



Barbur





3015 S.W. FIRST AVENUE PORTLAND, OREGON 97201 (503) 222-4375

April 16, 1980

Mr. Donald E. Bergstrom City Traffic Engineer THE CITY OF PORTLAND 317 S. W. Alder Street Portland, Oregon 97204

Re: S. W. Barbur & Hooker St.

Dear Don:

This letter will serve to notify you officially that the Lair Hill District Advisory Committee, at their April 15, 1980 meeting, voted unanimous support for the proposed installation of a pedestrian actuated signal at the intersection of S.W. Barbur Blvd. and Hooker Street.

Sincerely,

Jou Walsh

TW/kk

cc: Mrs. Catherine Taylor

5/2

DEB Jags OKE Consult Design

APR 21 1980

BUREAU OF C ENGINEERING

Est. Azz.con }

70 026 B4 5/19

BUREAU OF TRAFFIC ENGINEERING INTRA-OFFICE ROUTE SLIP

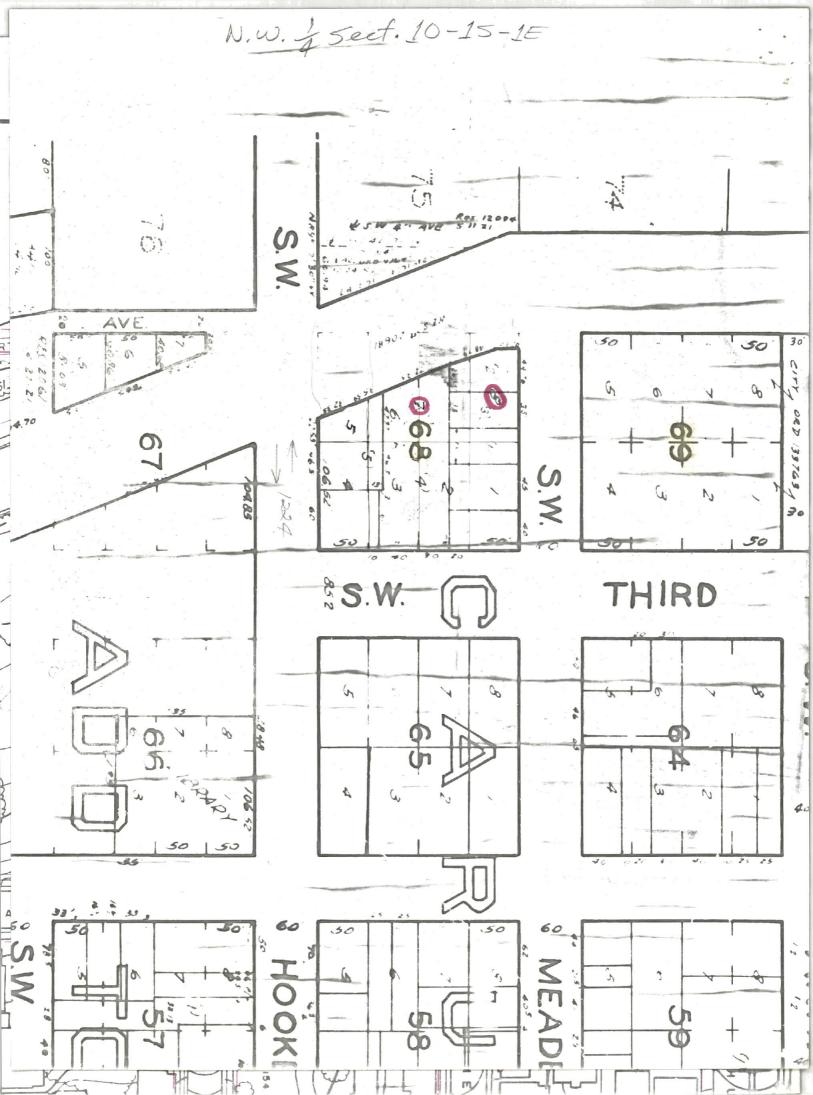
FROM DICK	DATE 4/23/80
STAFF	CIRCULATE
ABELSEN	INITIAL
BAKER	FILE
BAUER	FOR YOUR INFORMATION
BERGSTROM	FOR YOUR APPROVAL
BIGGS	ORDER
BOLLING	PREPARE ANSWER (DRAFT)
BURDETTE	RETURN TO
CARTER	SEE ME
CHOATE	INVESTIGATE AND REPORT
DAVIS	_PLEASE PROCESS
DORN	PLEASE ATTEND
EVANS	REVIEW AND COMMENT
FRANKLIN	XII // T/
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BUREAU OF TRAFFIC ENGINEERING

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	JAMES PLE JAPPORT	ASE DISCUSS WITH ME
11	LOOMIS MAGIN	have Someone & See Who
	MARTINI COUNTY MASCO MASON MUIR	praparty the
	NEELY NISHIKAWA YMCA	is Usting on
	PARKS THE E	& Hooker
	_ STARK	the parting
-	WILSON, JIM WILSON, MAURY 45	ect. 3329
-//	PARKING PATROL DIVISION of Lower Com	Addy.
Ca	P.E.	and 3326

Run the interaction of Barbur & Hooker thru signal warrants. SEE ME



BUREAU OF TRAFFIC ENGINEERING

Pedestrian Marked Crosswalk Data

Based on Institute of Traffic Engineers Gap Chart

SOUTHWEST AREA

October 2, 1979

	Across	Side Street	Pavement Width	8 Hr. Av. VPH	Max. <u>Allowable</u>	% of Max. Allowable
1.	S. W. Burnside	E/W 13th	44'-62'	1282	250	513%
2.	S. W. Capitol Hwy.	E/Beaverton-Hillsdale	60'	1270	250	508%
3.	S. W. Capitol Hwy.	W/Sunset Blvd.	60'	1270	250	508%
4.	S. W. Terwilliger	S/Troy (W)	50'	1674	350	478%
5.	S. W. Barbur	N/Hooker	60'	1113	250	445%
6.	S. W. Barbur	N/Woods	60'	1113	250	445% —
7.	Burnside	E/W Park	32'-44'	1955	440	444%
8.	Burnside	E/20th P1.	45'	1456	420	347%
9.	Burnside	W/23rd P1.	49'	1099	350	314%
10.	Burnside	E/8th	2(32')	1955	.680	287%
11. 12.	S. W. 2nd Avenue	N/S Ankeny	60'-70'	551	200	275%
13.	Burnside S. W. Broadway	W/St. Clair	44' 60'	1131	440	257%
14.	S. W. Capitol Hwy.	Diag/Ankeny-Pine W/26th	49'	568 780	250	227%
15.	S. W. Arthur	E/W 2nd	2(24')	1860	350 1000	223% 136%
16.	S. W. Patton	W/Vista	45'	680	420	162%
17.	S. W. 10th Avenue	S/Main	55'	472	300	157%
18.	S. W. 1st Avenue	S/Harrison	24'-33'	939	650	144%
19.	S. W. 3rd Avenue	S/Ash	50'	448	350	128%
20.	S. W. Market	W/Park (E)	36'	760	600	126%
21.	S. W. Jefferson	W/Park (E)	36'	729	600	122%
22.	S. W. Capitol Hwy	E/W 35th	57'-67'	247	210	118%
23.	S. W. 6th Avenue	S/Jackson	40'	590	500	118%
24.	S. W. Clay	W/Park (E)	36'	702	600	117%
25.	S. W. Columbia	W/Park (E)	3 6'	473	600	79%
26.	SW Sam Jackson Pk. Rd.	E/Hosp O'pass	34'	484	650	74%
27.	S. W. Morrison	E/20th P1.	36'	402	600	67%
28.	S. W. Main	W/Park (E)	36'	394	600	66%
29.	S. W. Terwilliger	S/Palater	33'	38 3	680	56%
30.	S. W. Harrison	W/1st	2(23')	551	1000	55%
31.	S. W. Harrison	E/4th	2(23')	551	1000	55%
32.	S. W. Troy	W/35th	47'	200	390	51%
33.	SW Sam Jackson Pk. Rd.	@ Overpass	24'	484	1000	48%
34.	SW Sam Jackson Pk. Rd.	E/U.S. Vets Hosp.	24'	484	1000	48%
35.	S. W. Salmon	E/15th	42'	200	450	44%
36. 37.	S. W. 1st Avenue S. W. 1st Avenue	N/Morrison	28' 28'	298	840	35%
38.	S. W. 35th	S/Stark	43'	298	840	35%
39.	S. W. Stark	S/Capitol	36'	127	450	28%
40.	Washington Park	E/13th S/Rose Garden	19'	164	600	27%
40.	Masilington Fark	3/ NUSE dar dell	13	220	1000	22%

CITY OF PORTLAND BUREAU OF TRAFFIC ENGINEERING

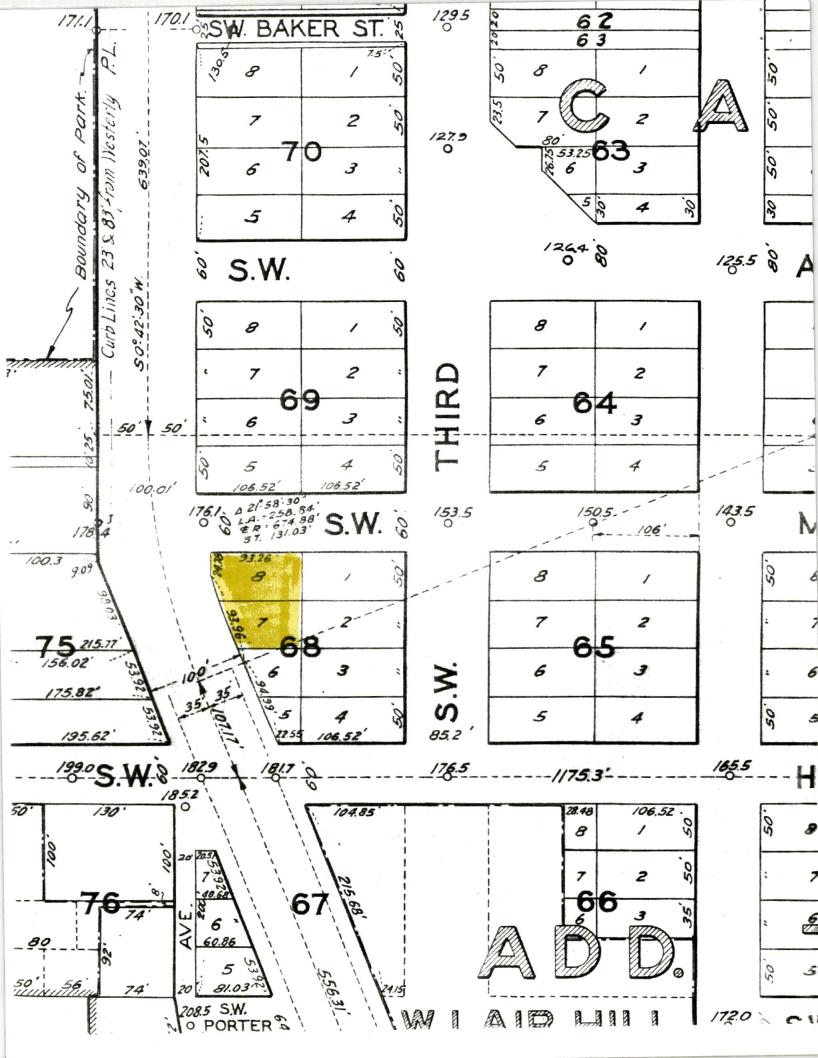
TRAFFIC SIGNAL WARRANT COMPARISON*

Major St	reet <u>5. W. 1</u>	Barbur	Blud.	Min	or Stre	et <u></u> 5,	W. H	ooke	r 57.
	s on Major Stre (Total of both)	et - 12n. 1174	1pm 1217	2 pm 1153	4pm	5 pm 1518	6 pm	8am	9an 1252
same 8 Hrs	Street Volumes . (Highest hour om either appro	ly	37	35	39	82	112	25	25
Major Stre	rian Volumes Ac et - Same 8 Hrs olume crosswalk		69	_	_	90	135		
			Mi	nimum V Warran			Warra	of Hou int is M required	let
l. Minimum V Major Minor		:		600				8/0/	
2. Interrupt Major Minor		us Traffic:		900 75) -		- -	8/2/	
Vehicu	edestrian Volum lar Volume (Maj rian Volume			600			· ·	8	
Preven	Experience: table Accidents m Warrant	(last 12 mo	nths)			1/			
	arrant: ng Volume (Week m Warrant	day peak hou	r)			AHA	/		

Date of Traffic Count 3-24+25-1980

^{70%} of standard warrants used due to 85 percentile speed in excess of 40 MPH or isolated community with population less than 10,000.

*** Not studied



April 2, 1980

Mr. Tom Walsh 3015 S.W. 1st Avenue Portland, Oregon 97201

Dear Mr. Walsh:

The YMCA has requested that a pedestrian actuated signal be installed at the intersection of S.W. Barbur Blvd. and Hooker Street.

Traffic Engineering has reviewed traffic conditions at this location. We agree that conditions are hazardous for pedestrians and that a pedestrian actuated signal is warranted.

Since this location is within the Lair Hill District, I would appreciate comments from Lair Hill District Advisory Council regarding this request.

If you have questions and would like additional information, would you please call me at 248-4295.

Sincerely,

D. E. Bergestown City Traffic Engineer

DEB:mc

Attachment

ymica letter received 3/27
according to letter by
modern file

Barlin

June 24, 1980

Ron Higbee Engineering Servides Manager Tri=Met 4012 S.E. 17th Ave. Portland, OR 97202

SUBJECT: S.W. Barbur Blvd. Bus Lane S.W. Sheridan to Capitol Hwy

Dear Mr. Highee:

At our last meeting regarding the center bus lane on Barbur we discissed the possiblity of installing an eye-catcher on the time-restricting signs.

We have estimated the costs for Strobe Halo light units.

StroberHalo unit = \$350 installed Time switch = \$50 Cabling for 110 V service if not available at site = \$200

These costs are based on the assumption that span wire or other supports are existing.

For preliminary purposes lets make it \$1,000 for location to be on the safe side.

Has Tri-Met whitten a letter to the Police for heavier enforcement? Sincerely,

M. J. Martini Sr. Traffic Engineer

MJM:ah

June 25, 1980

Gordon Gregerson
Tice Electric
2139 S.E. Belmont
Portland, OR 97214

Dear Mr. Gregerson:
It is our understanding that Mr. Eckhood of the Helio Victorius
Sarburg at

It is our understanding that Mr. Ecklund of the Helio MMCA has contacted you regarding a proposed traffic signal at S.W. Barbur at Hooker. Find enclosed a set of plans and specifications for this job.

This will be a project of the Metro YMCA and you should submit your proposals to them. The City of Portland will provide technical assistance during this project. If you have questions regarding these plans and specifications please call me at 248-4515.

Sincerely, Jack

Jack F. Mason

JFM:ah

Enclosures cc: John Ecklund June 25, 1980

Bob Moldenhauer East County Elec. Rt. 2 Box 487 Gresham, OR 90730

Dear Mr. Moldenhauer:

It is our understanding that Mr. Ecklund of the Metro YMCA has contacted you regarding a proposed traffic signal at S.W. Barbur at Hooker. Find enclosed a set of plans and specifications for this job.

This will be a project of the Metro YMCA and you should submit your proposals to them. The City of Portland will provide technical assistance during this project. If you have questions regarding these plans and specifications please call me at 248-4515.

Sincerely.

Jack F. Mason

JFM:ah

Enclosures cc: John Ecklund June 28, 1980

John Parmalee W.R. Grasle 437 N.W. 16th Portland, OR

Dear Mr. Parmalee:

It is our understadding that Mr. Ecklund of the Metro YMCA has contacted you regarding a proposed traffic signal at S.W. Barbur at Hooker. Find enclosed a set of plans and specifications for this job.

This will be a project of the Metro YMCA and you should submit your proposals to them. The City of Portland will provide technical assistance during this project. If you have questions regarding these plans and specifications please call me at 248-4515.

Sincerely,

Jack F. Mason

JFM:ah

Enclosures cc: John Ecklund

Barlun

December 22, 1980

TO:

Captain Richard Walker Portland Police Bureau

FROM:

M. J. Martini

Bureau of Traffic Engineering

SUBJECT: Evaluation of Barbur Blvd. Bus Lanes

The Barbur bus lanes have been in operation slightly over two years (27 months).

When first implemented there were considerable violations by motorists using the bus lane during restricted hours. This is still a problem add probably will remain so without concentrated enforcement.

Attached are oppies of Tri-met's evaluation of the first and second years operation. Accidents decreased from 20 the first year to 7 the second year of operation.

We are preparing a report for submital to the Mayor. We would like to have your evaluation of the Barbur bus lane to include with our report.

NEE: MES: mc

cc: Commissioner Mildred Schwab

Badia

TRI-COUNTY
METROPOLITAN
TRANSPORTATION
DISTRICT
OF OREGON

STRICT FOREGON

Martin



February 29, 1980

Mr. Don Bergstrom City Traffic Engineer 420 SW Main Portland, Oregon 97201

Dear Mr. Bergstrom:

The Barbur Bus Lane has been in operation for over a year. The travel time study that was done during October 1978 indicated a significant time savings for buses using the Bus Lane. Given Tri-Met's increased ridership during the last year even more transit riders are benefiting from the time savings. However, there have been operational problems that have diminished the beneficial aspects of the Bus Lane.

A review of the accident reports for the first twelve months of bus operation in the Lane indicates a total of 20 accidents have occurred. Considering that Tri-Met operates in the lane for only six hours per day, the accident rate is extremely high (one every thirteen days). As can be seen from the attached list of accidents, the majority of the accidents have been caused by auto drivers that are either confused or unaware of how the lane is to be operated. Most of the accidents have involved major damage to both buses and autos.

Also of concern is the apparent lack of enforcement of the no left turn requirement during the bus lane hours of operation. On several occasions numerous autos have been observed making left turns at Water Avenue and Whitaker Street.

If the current situation is not corrected, Tri-Met may be forced to discontinue use of the lane. Before we reach that point, I would like to meet with representatives from both ODOT and the City of Portland to review the problems we are having with the lane and determine possible solutions. I would appreciate it if you would have someone from your staff contact me so that we can set a meeting time and place that will be convenient for all parties.

Sincerely,

Ron Higbee

Engineering Services Manager

RH/aem enclosure cc: Paul Bay REGEIVED

MAR 11 1980

BUREAU OF

LIST OF BUS LANE ACCIDENTS

DATE	LOCATION	DESCRIPTION
9-10-78	Rassmussen Village	Auto changing lane struck bus. Minor Damage.
9-22-78	Hamilton	Auto made left turn in front of bus.
9-26-78	Whitaker	Auto passed bus, went into bus lane and stopped. Bus struck auto.
10-03-78	Hamilton	Bus side swiped by truck.
11-02-78	Hami lton	Auto passed bus, went into bus lane and stopped. Bus struck auto.
11-14-78	Whitaker *	Auto cut in front of bus and stopped to make left turn. Bus struck auto.
12-07-78	Hami lton	Auto turned left into path of bus.
12-26-78	Whitaker	Auto made left turn into path of bus.
1-04-79	Condor	Auto rear-ended bus.
1-22-79	Whitaker	Auto made left turn into path of bus
3-28-79	Bancrofft	Auto changing lanes was struck by bus in bus lane.
4-27-79	Whitaker	Auto made left turn into path of bus:
4-30-79	Hamilton	Auto made left turn into path of bus.
5-17-79	Ham ilton	Bus ran red light. Operator claims light malfunctioning.
6-06-79	Hamilton	Bus struck auto that made left turn in front of bus.
7-26-79	Hamilton	Bus rear-ended truck that stopped in front of bus.
7-27-79	Hamilton	Auto made left turn in front of bus.
8-10-79	Viewpoint	Bus struck truck that turned in front of bus.
8-17-79	Lowell	Bus rear-ended auto that stopped in bus lane.
9-05-79	Bancrofft	Bus struck auto that made left turn in front of bus.

TRI-COUNTY
METROPOLITAN
TRANSPORTATION
DISTRICT
OF OREGON



4012 S.E. 17TH AVENUE PORTLAND, OREGON 97202

December 18, 1980

Mario Martini 317 S.W. Alder Room 301 Portland, OR 97204

Dear Mr. Martini:

Attached is the memo I sent to Ron Higbee on the second year of operating the Barbur Bus Lane.

The accident rate of one every 226 hours of operation is far from ideal, but it is improved from the first years; one every 60 hours.

I'm still receiving occasional complaints from passengers and operators on near misses, when auto's use the lane for left hand turns. I think the only way thats going to be improved is with police monitoring, which I'm having our Safety Coordinator work on.

If I can be of any more help, please give me a call.

Sincerely,

TRI-MET

Clyde A. Earl

Thish A Far

Manager, Road Operations

:jnc att: 2

Inter-Office Memorandum



Date:

September 23, 1980

To:

Ron Higbee

From:

Clyde A. Earl Case

Subject:

Barbur Blvd. Bus Lane

The second year of operating the Barbur Bus Lane has just been completed.

The accident rate for the second year has dropped to one every 226 hours (seven accidents total) of operation. That compares with one every 80 hours of operation the first year. It's still a long way from the one every 1,400 hours of operation for the rest of the system, but the improvements are worth noting.

I'd like to recommend that we urge continued police monitoring and the installation of the strobe light warning devices.

I think it's also important to note that this years accidents are all, but one, located at the intersection of Barbur & Hamilton.

Attached is the list of accidents. If this rate should change drastically in the near future I'll notify you.

September 17, 1979

5604 Barbur & Hooker Auto cut in front of bus. Bus struck auto.

November 14, 1979

4412 Barbur Bus Lane
Passenger fell when bus made sudden stop to avoid auto
in bus lane.

January 25, 1980

4406. A Barbur & Hamilton Pickup pulled into express lane and struck bus.

April 16, 1980

4504 Barbur & Hamilton
Ambulance made U-Turn in front and was struck by bus.

May 1, 1980

4409 Barbur & Hamilton Auto turned into Transit Lane and struck bus.

May 27, 1980

5401 Barbur & Hamilton Auto turned into side of bus.

June 30, 1980

4401 Barbur & Hamilton Auto made left turn in front of bus in express lane. TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON



4012 SE 17th AVENUE PORTLAND, OREGON 97202

June 23, 1980

Mr. Bruce Baker Police Chief City of Portland 222 S.W. Pine Portland, Oregon 97204

southward to the ter

Dear Chief Baker:

The Barbur Bus Lane began operating in September, 1978. During the peak traffic periods, buses using the Bus Lane have realized a significant time savings over regular bus service. Given Tri-Met's increased ridership during the last year even more transit riders are benefiting from the time savings. However, there have been operational problems that have diminished the beneficial aspects of the Bus Lane.

A review of the accident reports indicate that the accident rate involving buses operating the lane is extremely high (one every thirteen days). As can be seen from the attached list of accidents, the majority of accidents have been caused by auto drivers that are in violation of the Bus Lane restrictions during the peak hours. A review committee comprised of representatives from Tri-Met, the City of Portland Traffic Engeineering Department, and the Oregon Department of Transportation have met several times to review the accident data and recommend corrective actions. The two most obvious improvements are: (1) additional warning signs and (2) increased enforcement of the no left turn requirements during the afternoon peak period.

The Oregon Department of Transportation has implemented a program to improve the signing along this portion of Barbur Boulevard. On behalf of the review committee, I would like to request that the City of Portland Police Bureau provide enforcement on a regular basis (not a saturation or "crash" program), particularly during the 4:00 to 6:00 p.m. time period.

If Tri-Met can provide any assistance to your office, please don't hesitate to call either Clyde Earl, Manager, of Road Operations, at 238-5842, or myself at 238-4973. Thank you for your attention to this problem.

Sincerely,

Ron Higbee

BUREAU OF

Mario Martini Jur

c: Clyde Earl, Mario Martini (City Traffic), Ron Failmetzger (ODOT-Region I)

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45% (5) acc @	Hamilton	