

ALWEG MONORAIL

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INTRODUCTORY REMARKS

MTA letter re-opening negotiations September 12, 1962.

Resolution Board of Supervisors January 22, 1963.

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THE ALWEG GROUP

Wegematic Corporation

The Alweg Company, Inc.
Alweg Rapid Transit Systems of California, Inc.

Aerojet-General Corporation

Car manufacturers

Raymond International Construction Company

Construction

Haas & Haynie

Construction

Associated Electrical Industries

Equipment

Consultants

W. C. Gilman & Company
Engineering and economic feasibility studies

Glore Forgan & Company
Financial underwriters

PROGRAM FOR TODAY

SEATTLE CONSTRUCTION FILM

LOS ANGELES PROPOSAL

Initial Routes

Extended Routes

Construction Cost

Traffic and Revenue

Operating Costs

FINANCIAL PROGRAM

QUESTIONS AND ANSWERS

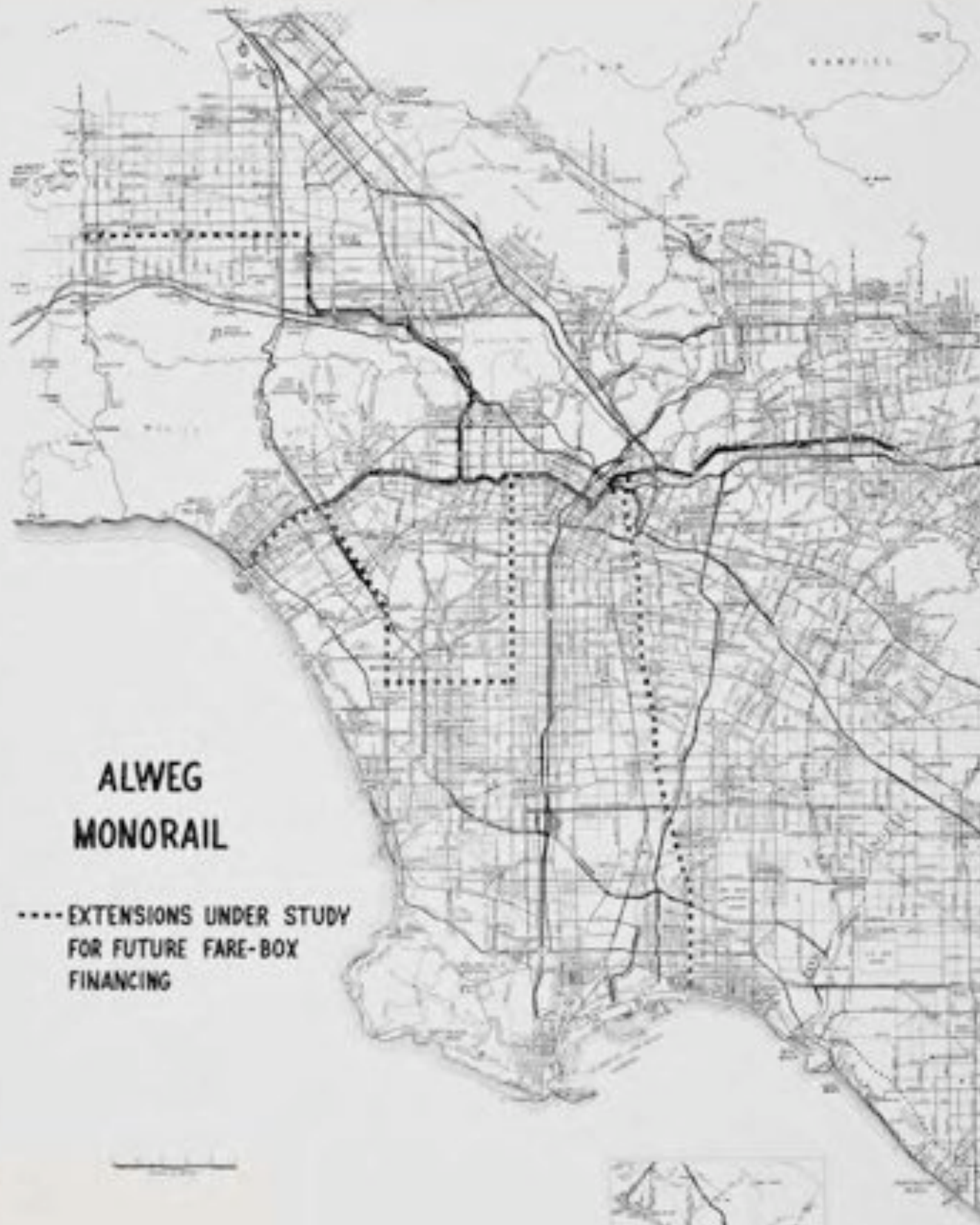


ALWEG MONORAIL/SEATTLE WASHINGTON



ALWEG MONORAIL

— ROUTES FOR INITIAL
FARE-BOX FINANCING



This map illustrates the Alweg Monorail system in San Francisco. The map shows the city's street grid, major highways, and geographical features like the Golden Gate Bridge and the city's coastline. The monorail routes are depicted with solid lines, and proposed extensions are shown with dashed lines. The map is oriented with North at the top. A legend in the bottom left corner explains the dashed line notation. A scale bar is located at the bottom left, and an inset map of the San Francisco Bay Area is in the bottom right corner.

ALWEG MONORAIL

---- EXTENSIONS UNDER STUDY
FOR FUTURE FARE-BOX
FINANCING

ROUTES, MILES - CONSTRUCTION COST

	<u>Miles</u>
Wilshire route	15.2
Civic Center to Westwood	
 San Bernardino route	11.6
Civic Center to El Monte	
 Valley route	<u>22.0</u>
Civic Center to Van Nuys	
 Total route miles	48.8
 Less "joint-use" Wilshire and Valley routes from	
Civic Center to LaBrea-Wilshire	<u>7.0</u>
 Total miles of structure	41.8
 Estimated Construction Cost	\$123,100,000

STATIONS

	<u>Stations</u>
Wilshire route	20
San Bernardino route	8
Valley route	<u>22</u>
Total route stations	50
Less "joint-use" stations ...	<u>10</u>
Total stations	40



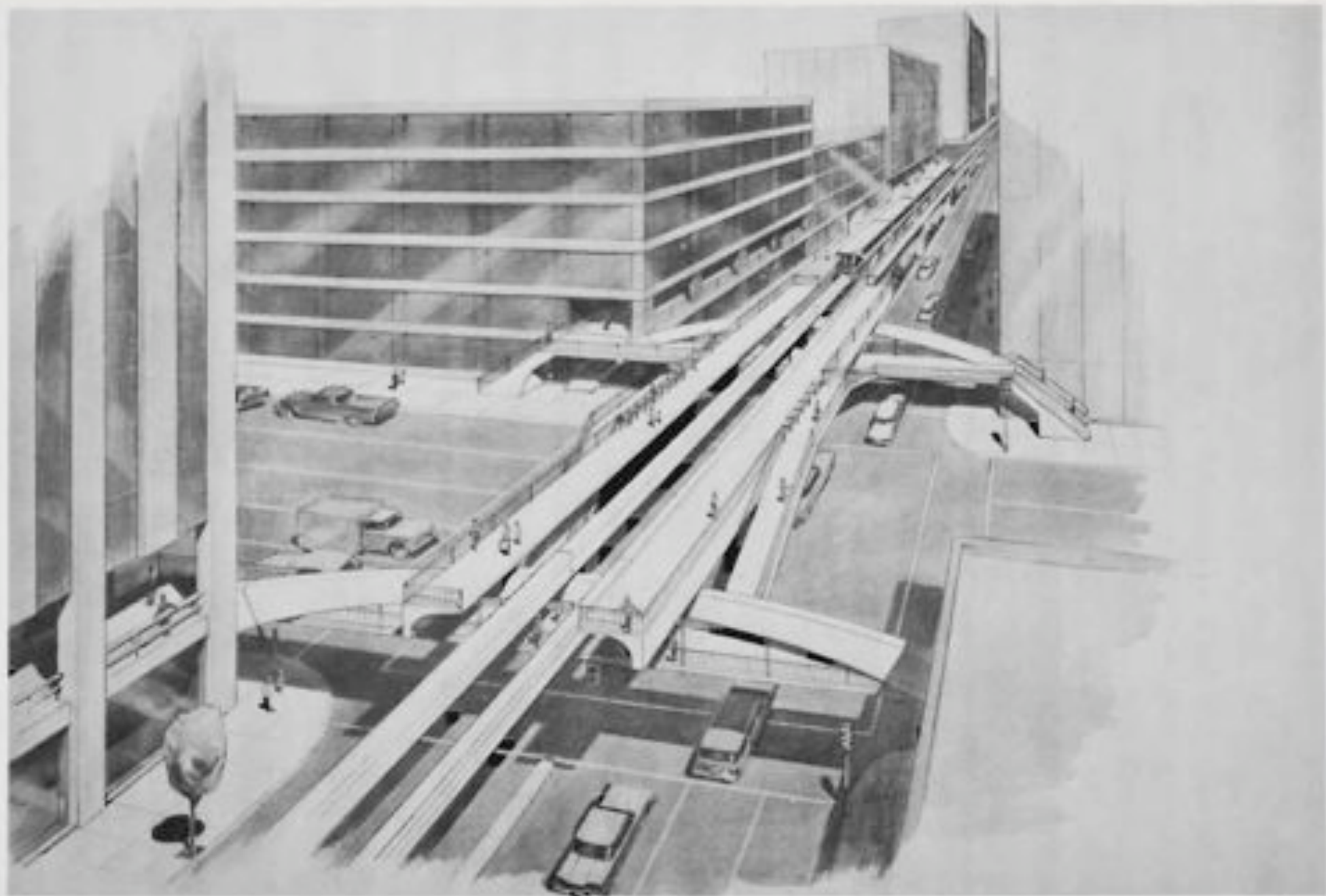
ALWEG MONORAIL



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PASSENGER VOLUMES - 1965

	<u>Average Weekday</u>	<u>Annual</u>
Wilshire Routes	91,300	25,700,000
San Bernardino Route	21,600	6,000,000
Valley Route	<u>34,200</u>	<u>9,500,000</u>
TOTAL	147,100	41,200,000

TRAIN AND CAR REQUIREMENTS

Based on:

Cars per Train 2

Seats: - per Car 84

per Train 168

Passenger Load per Train - Rush Hours 250

Day Base 135

Number of Units Required
(Including Spares)

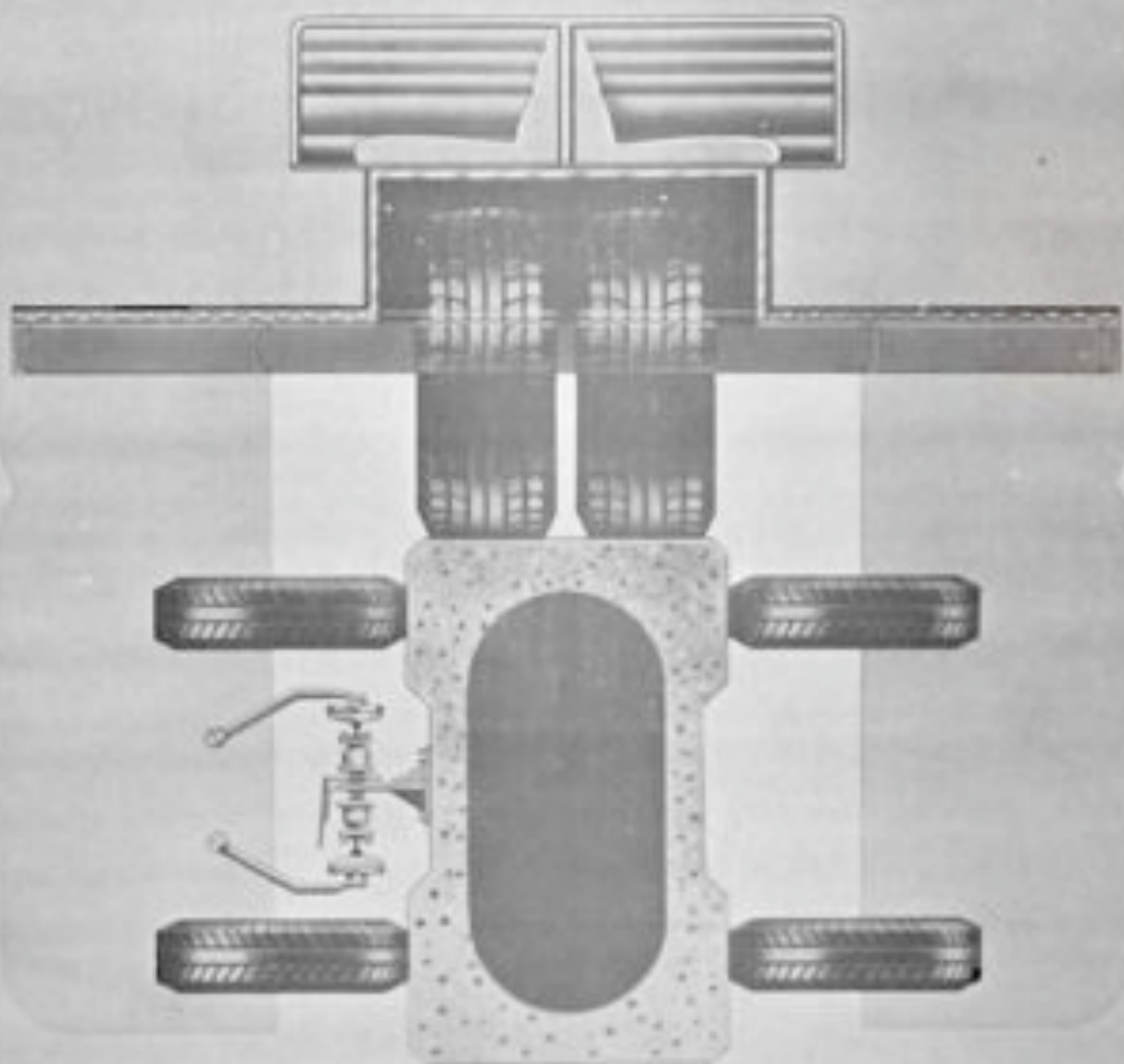
Cars 104

Trains 52

TYPICAL TRAVEL TIMES

	<u>MINUTES</u>
Westwood to Civic Center	30
Van Nuys to Civic Center	44
El Monte to Civic Center	18
El Monte to Westwood	46
Van Nuys to El Monte	62

ALWEG MONORAIL WHEEL ASSEMBLY



OPERATIONAL DATA

Top speed 60 miles per hour

Average speed 35 miles per hour

Train headways:	<u>MINUTES</u>	
	<u>Peak Hour</u>	<u>Day Base</u>
Wilshire Route	4	8
Valley Route	4	8
Wilshire between Civic Center and La Brea	2	4
San Bernardino Route	4	8

Note to Passengers:

Maximum wait for memorail train
during rush hour: - 4 minutes !

MTA REVENUES AND EXPENSES, ADJUSTED TO
REFLECT PROPOSED MONORAIL ROUTES

Present MTA Operating Revenues	\$ 46,200,000
Additional Revenues from Automobile Users diverted to Monorail	<u>9,800,000</u>
Total Revenues with Monorail	\$ 56,000,000
 Present MTA Operating Expenses	 \$ 38,200,000
Estimated Reduction due to Operational Changes because of Monorail	 <u>4,900,000</u>
Balance	\$ 33,300,000
 Estimated Monorail Operating Expenses	 <u>\$ 4,200,000</u>
Total Expenses with Monorail	<u>\$ 37,500,000</u>
 Balance for Depreciation and Debt Service	 \$ 18,500,000

COMPARATIVE DATA

	<u>Alweg Monorail System</u>	<u>Proposed Subway-Surface System</u>
Miles of Structure	41.8	58.0*
Construction Cost	\$ 123,100,000	\$ 608,000,000*
Net for Depreciation and Debt Service	\$ 18,500,000	\$ 20,000,000*
Annual Car Miles	8,850,000	12,870,000*
Average Speeds (Miles per Hour)	30 - 40	35 - 40
Number of Stations	40	36
Fares	Present MTA	Present MTA

*Includes route from downtown Los Angeles to Long Beach

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Alves Rapid Transit Systems
of California.

Alves monorail.



Acc No. 04538

†

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