

ORIGINAL

Decision 89 03 048

MAR 2 2 1989

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

In the Matter of the Application of )  
LOS ANGELES COUNTY TRANSPORTATION )  
COMMISSION )  
for an order authorizing the )  
construction of two light rail )  
vehicle tracks at grade along Long )  
Beach Boulevard and across Pacific )  
Coast Highway in the City of Long )  
Beach California )

Application 88-10-030  
(Filed October 18, 1988)

O P I N I O N

As part of the project to construct a light rail transit (LRT) system, the Los Angeles County Transportation Commission (LACTC) requests authority to construct two light rail vehicle (LRV) tracks at grade along Long Beach Boulevard and across Pacific Coast Highway State Route 1(SR1) in Long Beach, Los Angeles County.

The Long Beach-Los Angeles Rail Transit project is part of an on-going transit development process in which the Long Beach-Los Angeles Corridor and thirteen other corridors have been identified as candidates for transit improvements. The project is being planned as a conventional LRT system from downtown Los Angeles to downtown Long Beach to serve between 54,000 and 76,000 passengers per day. A variety of impacts were identified, both beneficial and adverse. Mitigation measures will either eliminate or reduce the severity of the adverse impacts to acceptable levels.

LACTC is the lead agency for this project under the California Environmental Quality Act of 1970 (CEQA), as amended, Public Resources Code Sections 21000, et seq. After preparation and review of an Environmental Impact Report (EIR), LACTC approved the project. On March 29, 1985, a Notice of Determination was filed with the Secretary for Resources and with the Los Angeles

County Clerk which found that "The Project will have a significant effect on the environment." A Statement of Overriding Considerations was adopted for the project.

The Commission is a responsible agency for this project under CEQA and has reviewed and considered the lead agency's EIR.

The site of the proposed project has been inspected by the Commission's Traffic Engineering staff. In addition, over a two-year period meetings and conferences have been held by various governmental agencies and consulting engineers to review and discuss LACTC's proposal with respect to traffic signals for LRV and motor vehicles.

Light rail transit signals will be actuated by the same traffic signal controls that actuate the motor vehicle and pedestrian traffic signals. The aspects of the transit signals will be red, yellow and lunar white. The heads will be programmed so that they will be visible only to the light rail transit operators. Aspects of the transit and motor vehicle signals will be changed to direct the movement of conflicting routes of transit vehicles, motor vehicles and pedestrians in accordance with the phase diagrams for each intersection as shown on Exhibit A, Pages 2 and 4.

LACTC has met the filing requirements of the Commission's Rules of Practice and Procedure including Rule 40, which relates to the construction of a railroad track across a public highway. Detailed drawings of the street geometrics are in Appendix A attached to this decision.

LACTC wishes to commence construction of this portion of its LRT system at the earliest possible date. It is therefore requested that the usual 30-day effective date on an order be waived. We will make our order effective immediately.

Notice of the application was published in the Commission's Daily Calendar on October 20, 1988. No protests have been received. A public hearing is not necessary.

Findings of Fact

1. LACTC requests authority under Public Utilities Code Sections 1201-1205 to construct two LRV tracks at grade along Long Beach Boulevard and across Pacific Coast Highway (SR-1) in Long Beach, Los Angeles County.

2. Construction of the two LRV tracks at grade along Long Beach Boulevard and across Pacific Coast Highway is an essential element in construction of the LRV systems.

3. Public convenience and necessity require construction of the tracks at grade along Long Beach Boulevard and across Pacific Coast Highway.

4. Public safety requires that light rail transit signals will be actuated by the same traffic signal controls that actuate the motor vehicle and pedestrian traffic signals. The aspects of the transit signals will be red, yellow and lunar white. The heads will be programmed so that they will be visible only to the light rail transit operators. Aspects of the transit and motor vehicle signals will be changed to direct the movement of conflicting routes of transit vehicles, motor vehicles and pedestrians in accordance with the phase diagrams for the intersection as shown on Exhibit "A".

5. LACTC is the lead agency for this project under CEQA, as amended.

6. The Commission is a responsible agency for this project and has reviewed and considered the lead agency's EIR.

7. The Long Beach-Los Angeles Rail Transit Project will have a significant impact on the environment; however, mitigation measures will either eliminate or reduce the severity of the adverse impacts to acceptable levels.

8. A Statement of Overriding Considerations was adopted for the project.

Conclusions of Law

1. The application should be granted as set forth in the following order.
2. The usual 30-day effective date on an order should be waived as LACTC wishes to commence this project at the earliest possible date.

O R D E R

IT IS ORDERED that:

1. The Los Angeles County Transportation Commission (LACTC) is authorized to construct two LRV tracks at grade along Long Beach Boulevard and across Pacific Coast Highway (SR-1) in Long Beach, Los Angeles County, at the location and substantially as shown on the plans attached to the application and in Appendix A, to be identified as Crossing No. 84L-19.6.
2. Construction of the crossings shall be equal or superior to Standard No. 1 of GO 72-B.
3. Clearances and walkways shall conform to GO 143.
4. Protection at the crossings shall be light rail transit signals actuated by the same traffic signal controls that actuate the motor vehicle and pedestrian traffic signals. The aspects of the transit signals will be red, yellow and lunar white. The heads will be programmed so that they will be visible only to the light rail transit operators. Aspects of the transit and motor vehicle signals will be changed to direct the movement of conflicting routes of transit vehicles, motor vehicles and pedestrians in accordance with the phase diagrams for the intersection as shown on Exhibit "A".
5. Construction and maintenance costs shall be borne in accordance with an agreement which has been entered into between the parties. A copy of the agreement has been filed with the Commission.

6. Within 30 days after completion of the work under this order, LACTC shall notify the Commission in writing that the authorized work has been completed.

7. This authorization shall expire if not exercised within three years unless time is extended or if the above conditions are not complied with. Authorization may be revoked or modified if public convenience, necessity, or safety so require.

8. The application is granted as set forth above.

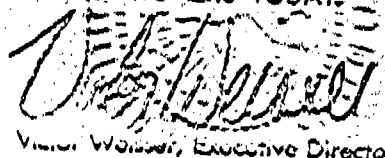
This order is effective today.

Dated MAR 22 1989, at San Francisco, California

G. MITCHELL WILK  
President  
FREDERICK R. DUDA  
STANLEY W. HULETT  
JOHN B. OHANIAN  
Commissioners

Commissioner Patricia Eckert,  
present but not participating

I CERTIFY THAT THIS DECISION  
WAS APPROVED BY THE ABOVE  
COMMISSIONERS TODAY.

  
Victor Waisel, Executive Director

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**THE NEXT**

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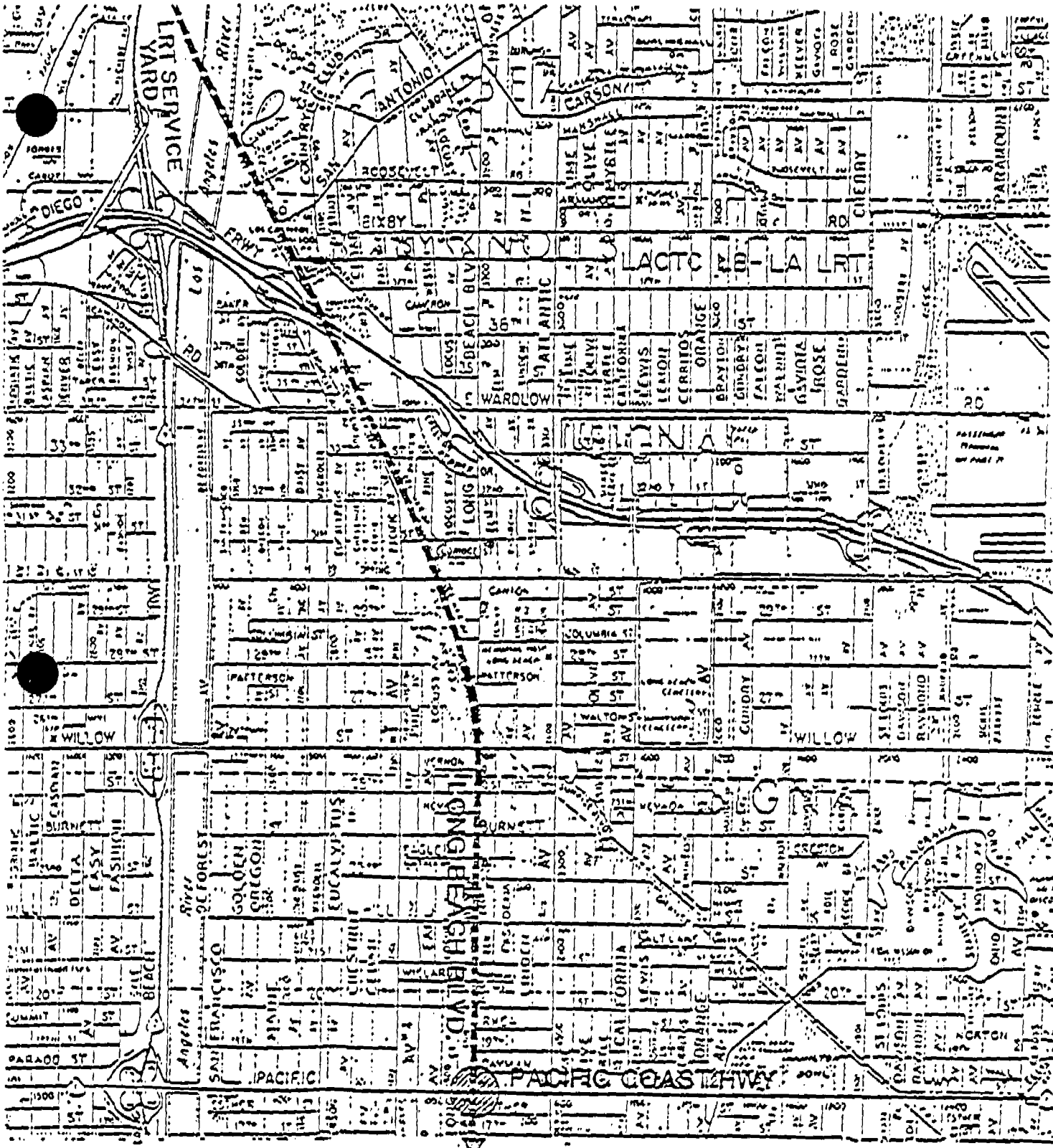
**DOCUMENTS ARE**

**POOR ORIGINALS**


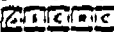
**MICROFILMING SERVICES**

*will not assume responsibility*

*for the image quality*




TO LONG BEACH

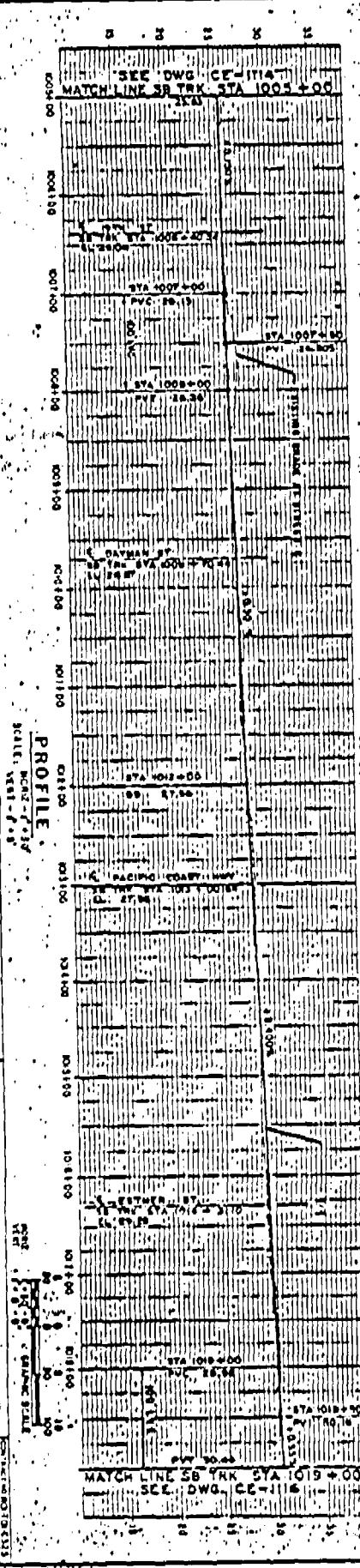

**LOS ANGELES COUNTY TRANSPORTATION COMMISSION**  
 The Long Beach-Los Angeles Rail Transit Project  
  
 Southern California Rail Consultants  
 Approved: \_\_\_\_\_  
 Southern California Rail Consultants

PROPOSED TRACK RELOCATION AND ALTER.  
 ROAD CROSSINGS  
 KEY PLAN.

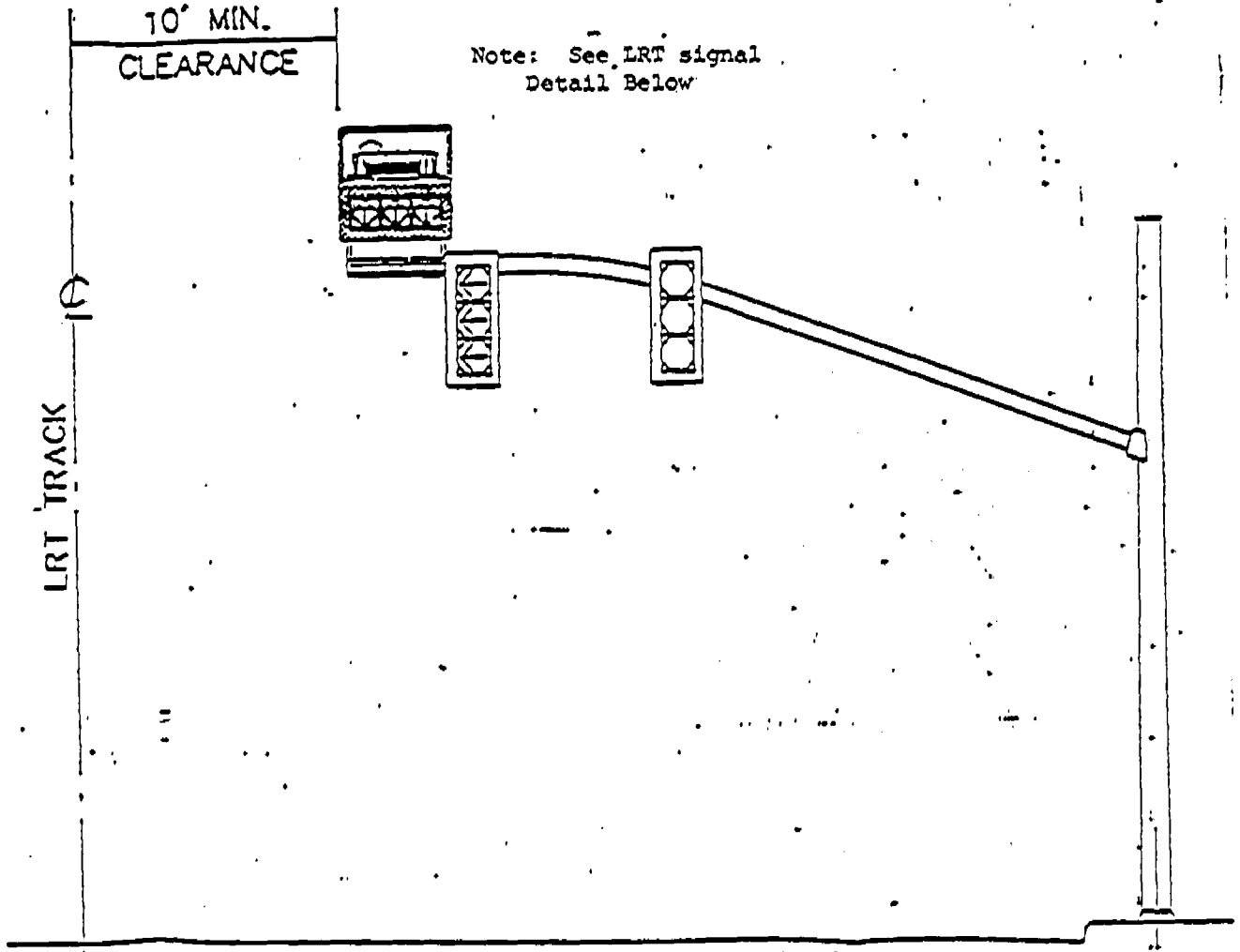




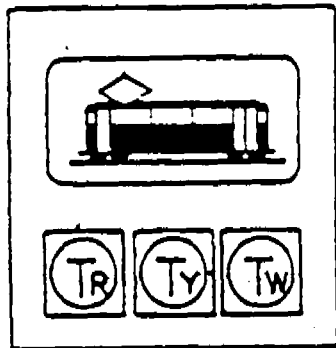
APPROVED FOR CONSTRUCTION	APPROVED FOR BIDS	DATE: 10/13/81
		
<b>LOS ANGELES COUNTY TRANSPORTATION COMMISSION</b> Pacific Coast Light Rail Project Department of Transportation 100 South Main Street, Los Angeles, CA 90012		
<b>DMJM</b> Design/Manufacture/Construct 100 South Main Street, Los Angeles, CA 90012		
<b>WILLOW STATION TO OCEAN BOULEVARD</b> SB TRK STA 1003+00 TO STA 1019+00 LRT PLAN & PROFILE		
DATE: 10/13/81	BY: [Signature]	SCALE: 1" = 100'



# TYPICAL LRT TRAFFIC SIGNALS

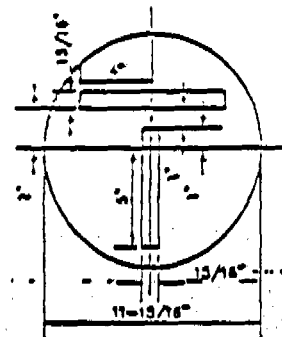


## MAST CANTILEVER SIGNALS



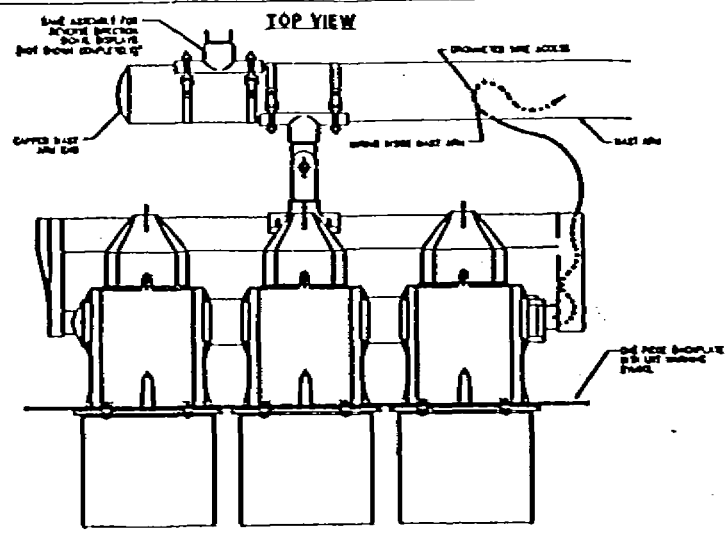
DETAIL LRT SIGNAL

Note: See complete LRT arm signal mounting and lens detail on Page 4a



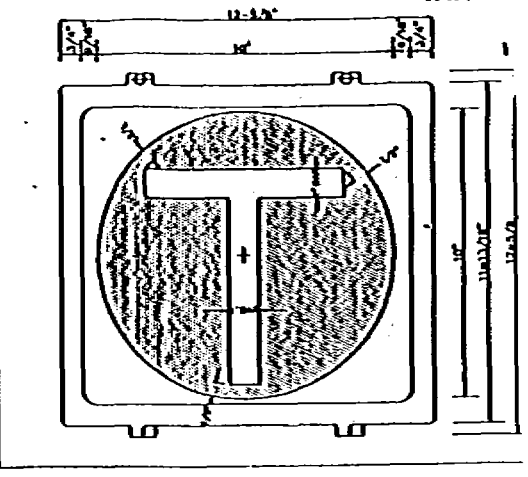
LRT TRAFFIC SIGNAL LENS  
LENS SHALL BE FURNISHED IN THREE COLORS CONSISTING OF RED, YELLOW, AND LUNAR WHITE

**STANDARD MAST ARM MOUNT  
LRT SIGNAL DISPLAY MOUNTING DETAIL**  
SCALE: 1" = 5"

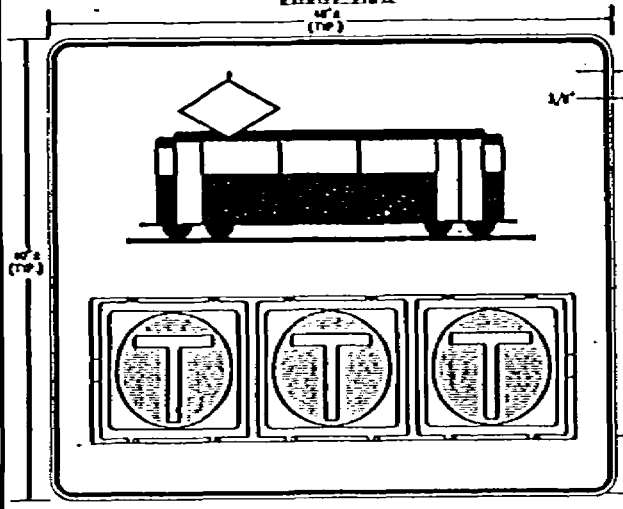


- NOTES**
- LRT SIGNAL HEAD MOUNTING DEVICE TO BE REUSABLE "CLAMP-TYPE" ATTACHMENT WITH 3-DIMENSIONAL ADJUSTMENT CAPABILITY OF 15-DEGREE BRANCH PIPE OR APPROVED SUBSTITUTE.
  - BACKPLATE TO BE VACUUM-FORMED UN-PAINTED, ABS WITH LRT MARKING SIGN APPLIED BY STENCIL OR DECAL.
  - LRT SYMBOL SHALL BE WHITE BLACK OR NON-REFLECTIVE WHITE BACKGROUND.
- PROGRAM MOBILITY HEAD SHOWN FOR CLARITY MOUNTING AND FUNCTIONAL DISPLAY WILL BE SIMILAR FOR STANDARD SIGNAL HEAD INSTALLATION.

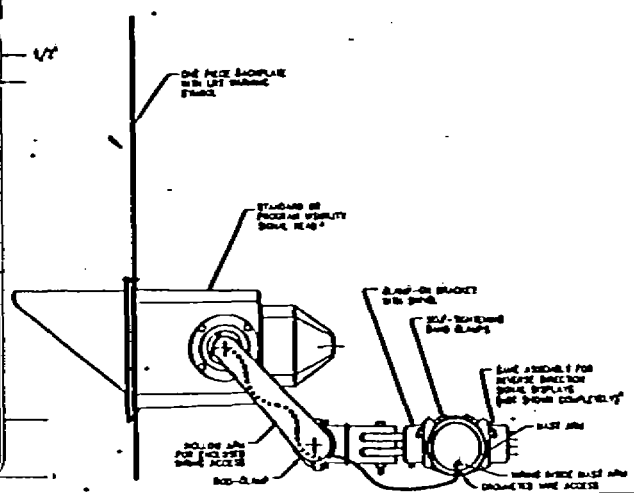
**LRT PROGRAMMABLE TRAFFIC SIGNAL LENS**  
SCALE: 1" = 4"



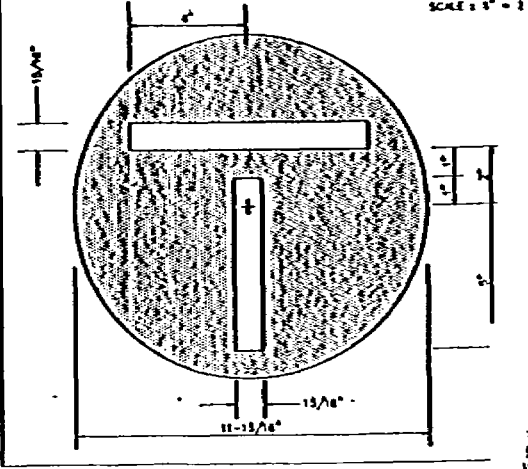
**FRONT VIEW**



**SIDE VIEW**



**LRT STANDARD TRAFFIC SIGNAL LENS**  
SCALE: 1" = 1"



<p>APPROVED FOR CONSTRUCTION ISSUED FOR PCS</p>	<p>DATE: 1/11/00 BY: [Signature]</p>		<p>LOS ANGELES COUNTY TRANSPORTATION COMMISSION The Long Beach-Los Angeles Rail Transit Project</p> <p>DATE: 1/11/00 BY: [Signature]</p>	<p>TRANSCAL [Signature]</p>
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LONG BEACH LOOP  
LRT MAST ARM SIGNAL MOUNTING  
AND LENS DETAILS