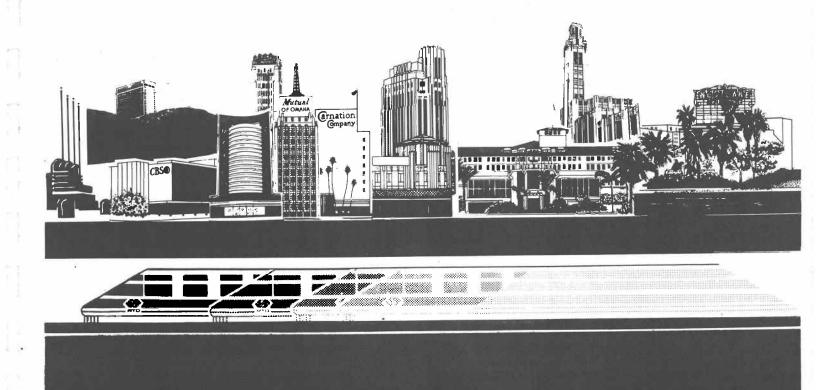
BACKGROUND REPORT



City of Los of ingeles

Metro Rail

Station Area Development Plan

HT 177 .L7 M794b

Wilshire / fa Brea

HT 177 .L7 M794b

--- 3 3 5 7 8

JUL 2 5 2006

WILSHIRE/LA BREA STATION AREA

TABLE OF CONTENTS

MET	RO RAIL PROJECT	- 1
LOC	ATION MAP	2
BUII	LDING INVENTORY	
	Age of Building	3
	Height of Building	4
	Condition of Building	5
	Significance of Building	6
	Parcels susceptible to Change	7
LAN	D USE	
	Existing by Footprint	8
	By Block	
	Existing	9
	Allowed by Specific Plan	9
	Square Footage	
	Existing	10
	Allowed by Specific Plan	10
	Floor Area Ratio (FAR)	
	Existing	11
	Allowed by Specific Plan	11
CIR	CULATION	
	Trips Generated by Block	
	Existing Uses	12
	Uses Allowed by Specific Plan	12
	Intersection Congestion	
	Levels	
	Existing Levels	13
	Levels Projected for Year 2000	13
	Traffic Counts	
	Existing	14
	Projected for Year 2000	15
	Traffic Converging at Intersections	

Existing	16
Projected for Year 2000	17
Pedestrian Crossings	18
Proposed Street Improvements	19
Bus Lines and Ridership	
Existing	20
Changes Due to Metro Rail	21
Facilities for Park and Ride, and Kiss	
and Ride Along the Metro Rail Line	22
Access Mode to Metro Rail Station	23
Parking-Existing Usage	24
Pedestrian Edges	25
Public Space and Circulation Conflicts	26
USERS	
General Users	27
Specific Characteristics of Users	27
DEVELOPMENT	
Market Projections	28
Imminent Development	29
Station Integration Opportunities	30

MISCELLANEOUS

Axonometric Drawing

Development Potential Example (spreadsheet)

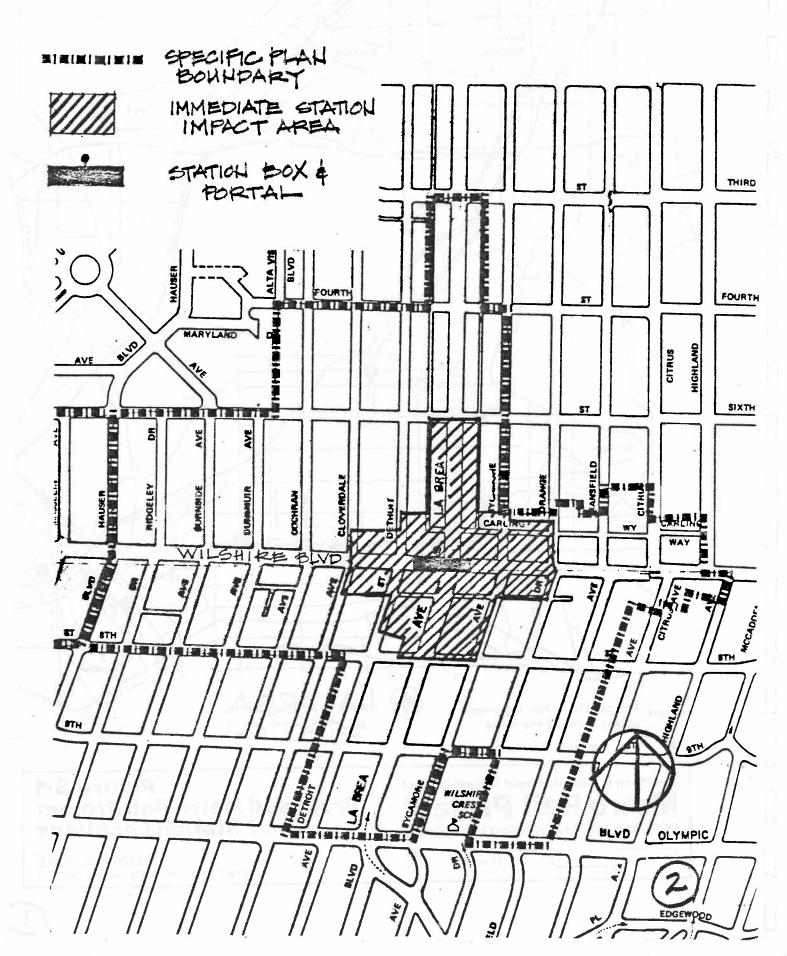
Study of Parking Policies and Programs

(NOTE: THE MAPS ON THE FOLLOWING PAGES ARE NOT TO SCALE)

COM487



LOCATION MAP.



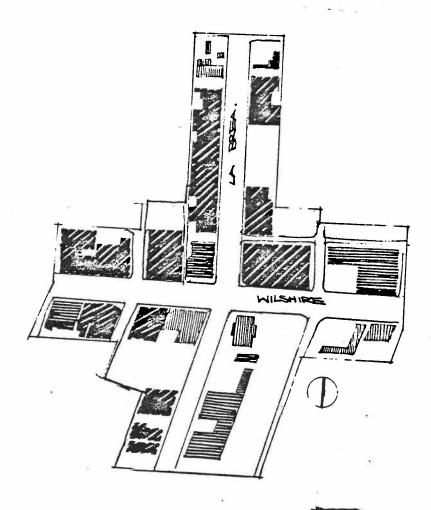
Building Inventory

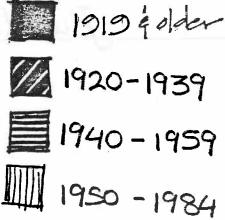
AGE OF BUILDING

INFORMATION

SOURCE: LUPAMS

SUNBORNS







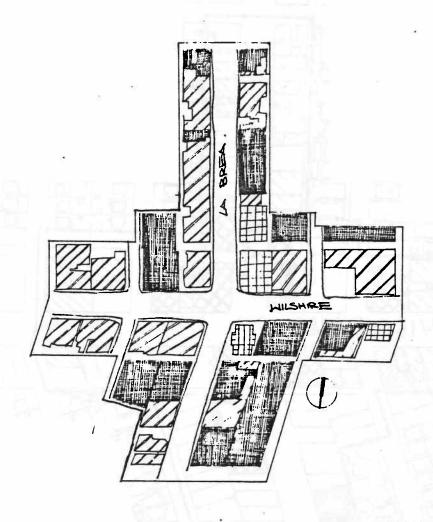
HEIGHT OF BUILDING

INFORMATION

SOURCE: LUFAMS

SUMBORNS

LADOP.



0-STORIES

1-4 STORIES

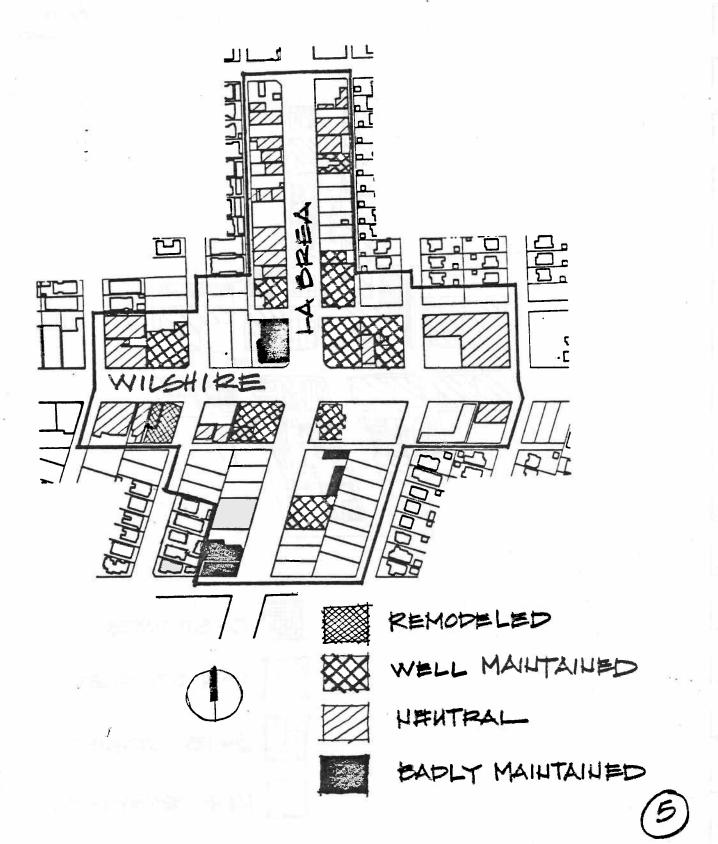
5-13 STORIES

14+ Stories



CONDITION OF BUILDING

SOURCE: FIELD WORK



SIGNIFICANCE OF BUILDING

HATOPYATION SOURCE:
FIELD HORK,
NATIONAL REGISTER
TRATESTIES OUT OF LA
HISTORIAL, CULTURAL
MONUMENTS

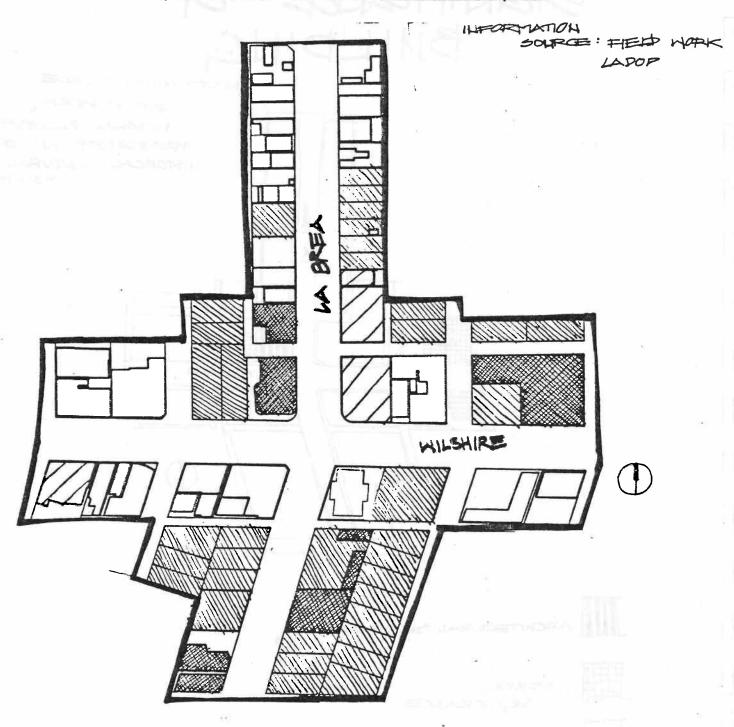








BUILDINGS/PARCELS MOST SUSCEPTIBLE TO CHANGE



PARCELS SUSCEPTIBLE TO CHANGE.

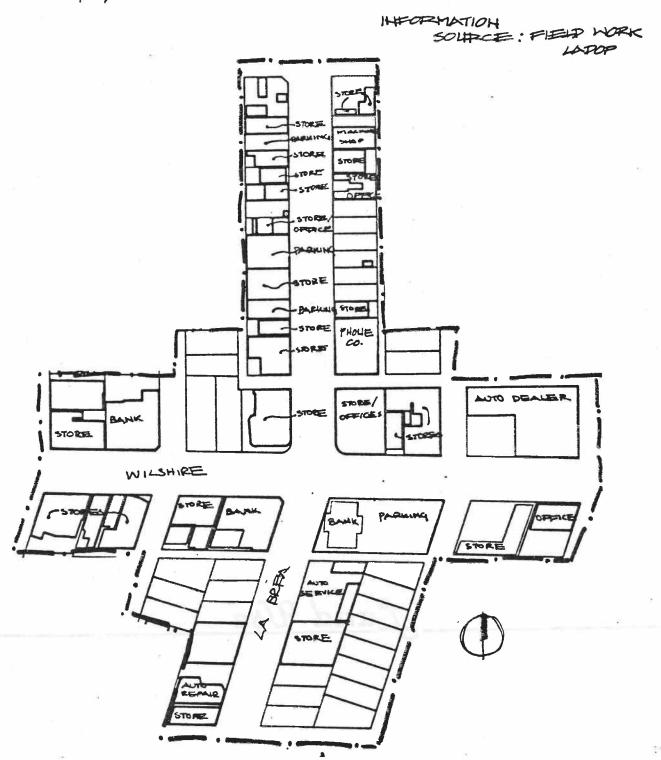
BUILDINGS MOST SUSCEPTIBLE -

BUILDINGS NOT SUSCEPTIBLE TO CHANGE.

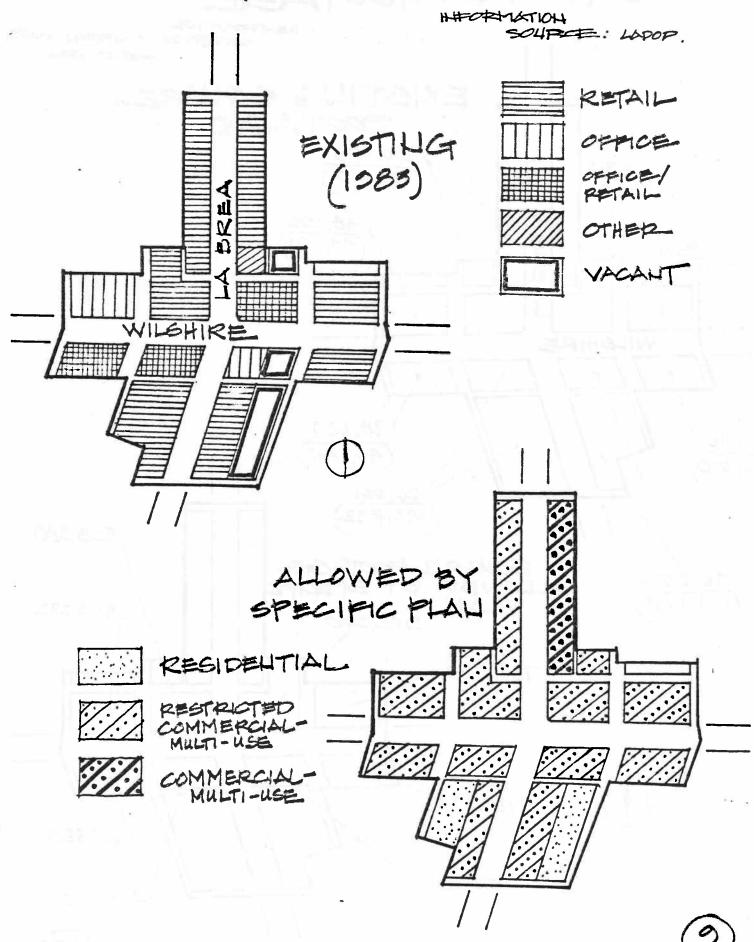
EXISTING LAUR NEEL

fand Vse

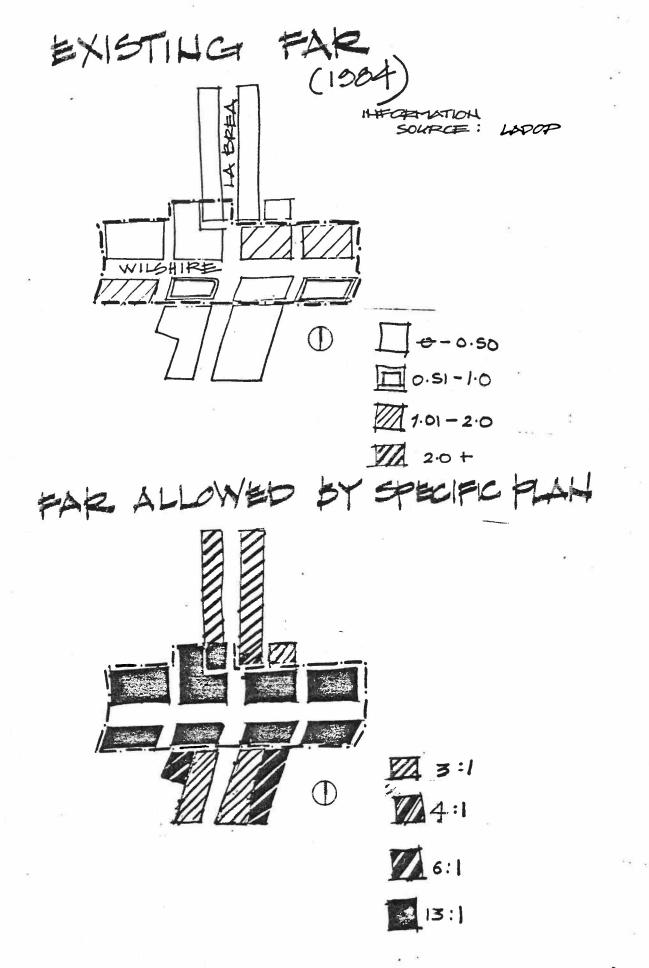
EXISTING LAND HSE

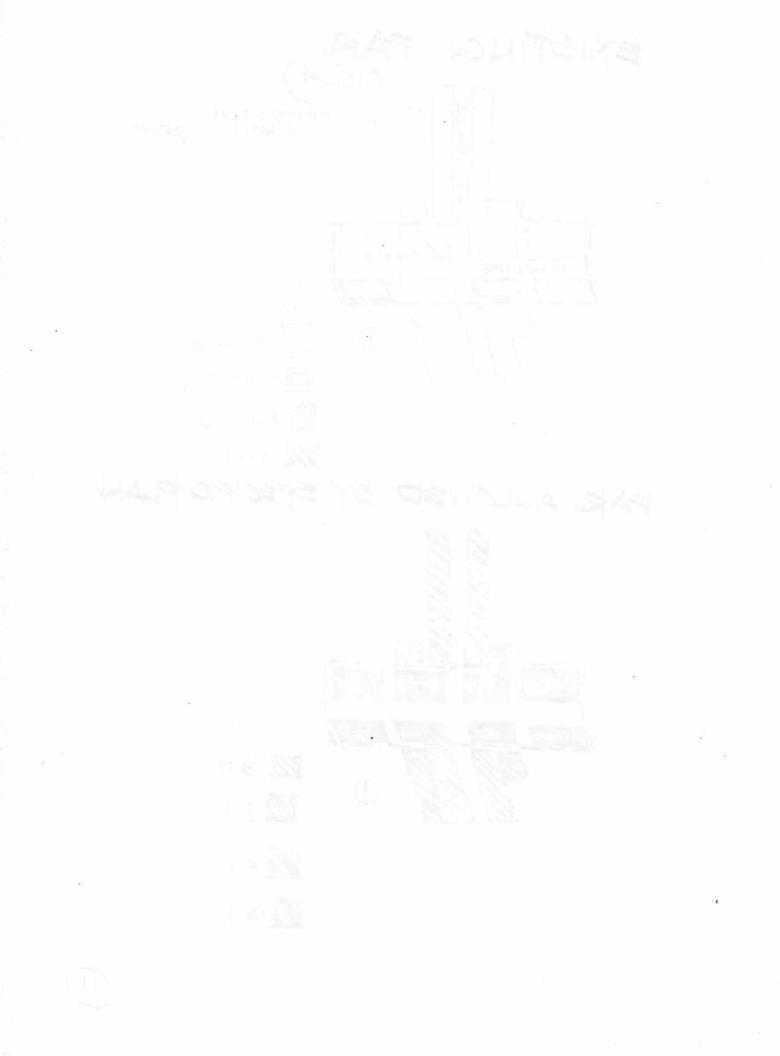


LAUD USE



SQUARE FOOTAG HECKMATIOH -DUPCE: SONBORN MAPS. FIELDWORK EXISTING SOWKE 127,810) 53,365 129,775 48,195 27,810 60.378 WILSHIPE 28,237 45,045 (49,140) (36,379) 26.221 143,832 523,380 SQUARE FOOTAGE ALLOWED BY SPECIFI 583,232 902,200 764,514 472,527 1638,820 473,151

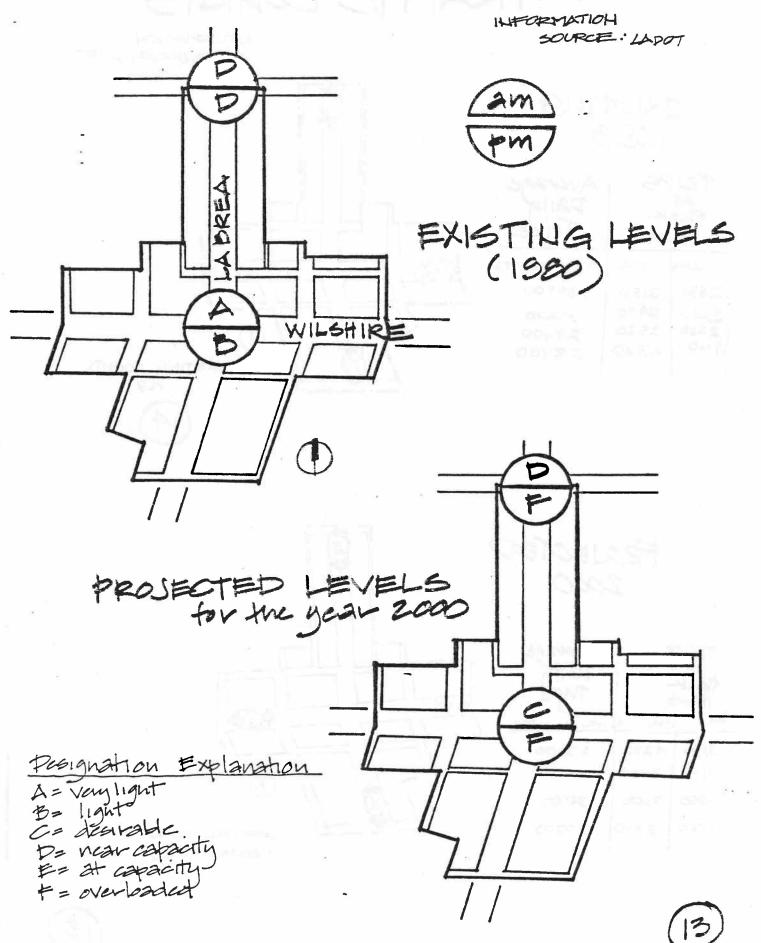




기자 [한 소송] 한다 한다시라고 한다고 한다소년 Circulation

TRIPS GENERATED PER BLOCK IHFORMATIOH SOURCE: 14 DOP by existing uses (perday) 0-600 601-2000 2001-3000 3001-7000 7000+ WILSHIRE BY USES ALLOWED FOR IN SPECIFIC PLAH 0-5000 \$5001-10,000 10,001-20,000 20,001 - 30,000 30,001-50,000 50,001+

COHGESTION LEVELS AT KEY



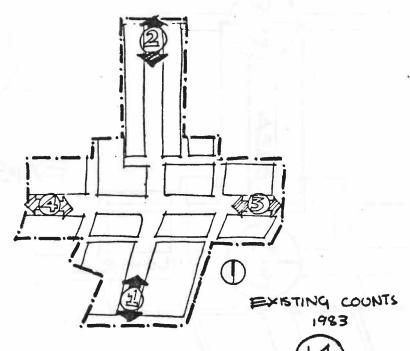
TRAFFIC COULTS

INFORMATION

SOUPCE: LADOT.

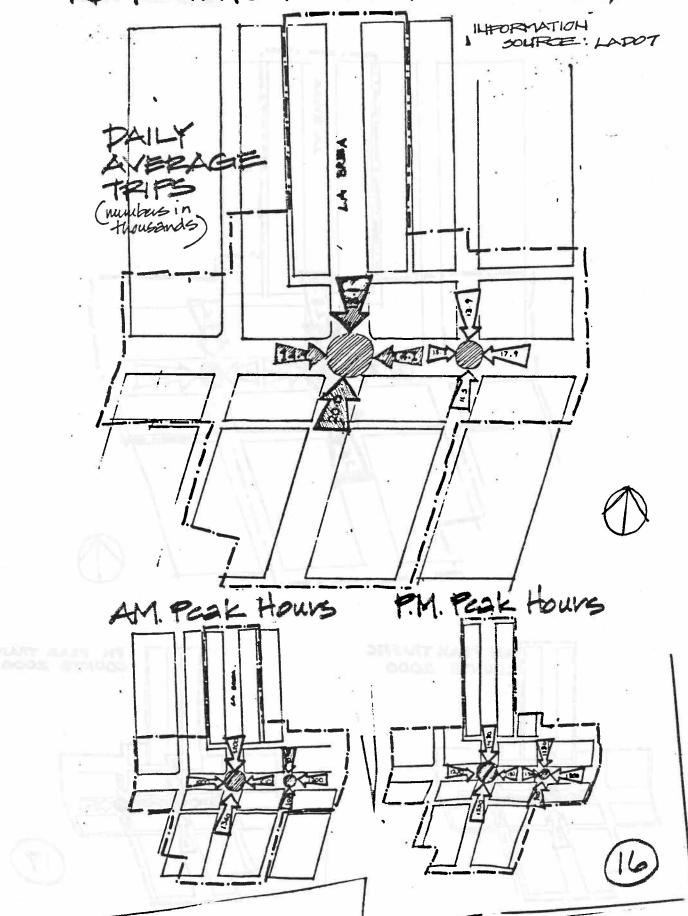
existing 1983

TRIPS		Average	
PLAK		Daily	
HOUVS		Trips	
	PH 3150 2990 2520 2320	34900 35200 25400 28400	



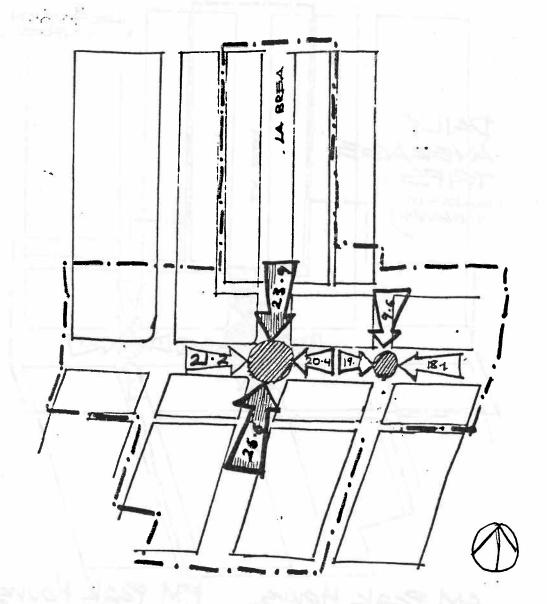
PROJECTED 2000 " Average PLAK Hows AM PM . 3530 4270 5 3506 46500 3960 . 3110 . 2950 3300 38500 . 2760 3310 30200 SPECIAL PLAN COUNTS 2000

TRAFFIC COUNTS CONVERGING AT KEY INTERSECTION - 1980

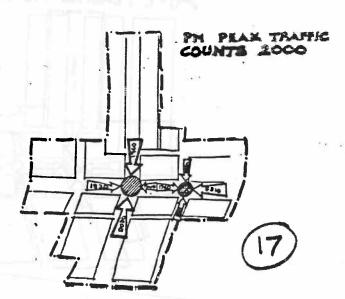


TRAFFIC COUNTS CONVERGING AT KEY INTERSECTION - 2000

HAPORMATION SOURCE: LAPOT

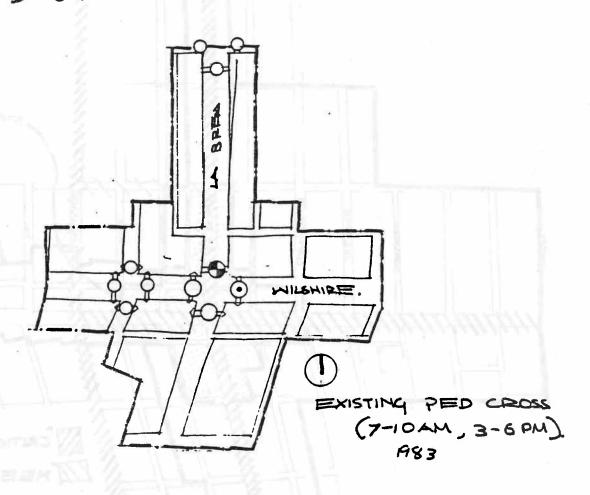






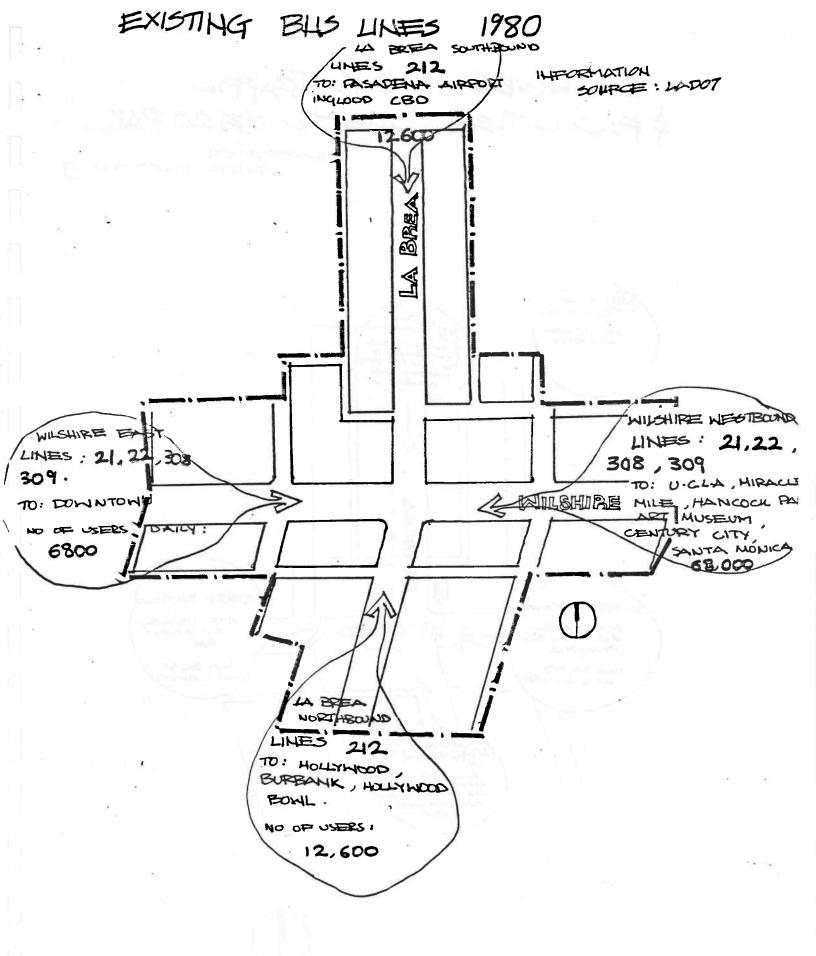
PEDESTRIAL CROSSINGS

7-10 AM 3-6 PM SOURCE: LAPOT



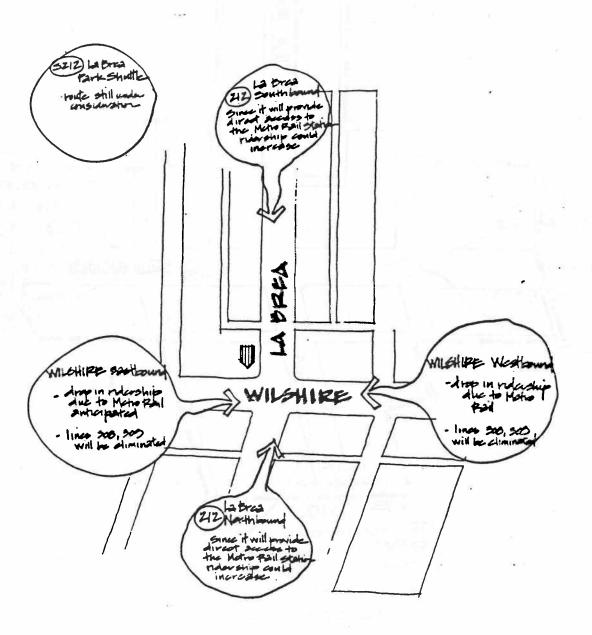
- 0-500
- SOI 1000
- 1001-1500
- 1501-2000
- 2000 t

IMPROVEMENTS. PROPOSED STREET SOURCE: LADOT BY HADOT. STATION IMPACT AS SPECIFIC CRITICAL" MEEDED" PROJECTS. IMMEDIATE STATION IMPACT AREA SPECIFIC PLAN BOUNDARY

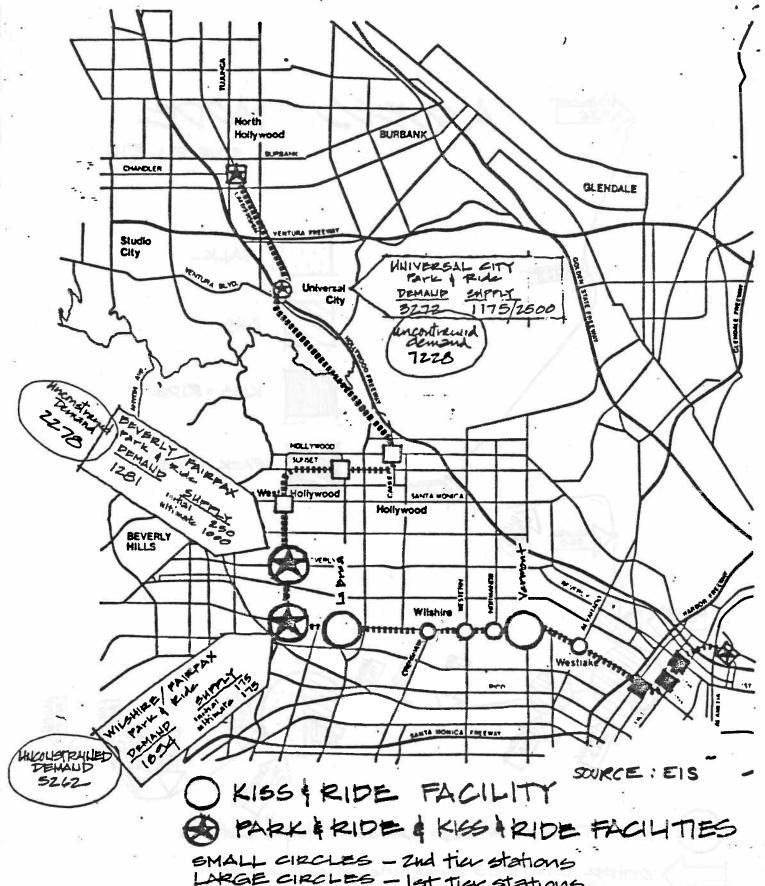


CHANGES IN BUS TRAFFIC . FFACILITIES DUE TO METRO RAIL

HEARMATION SOURCE: MILESTONE 9





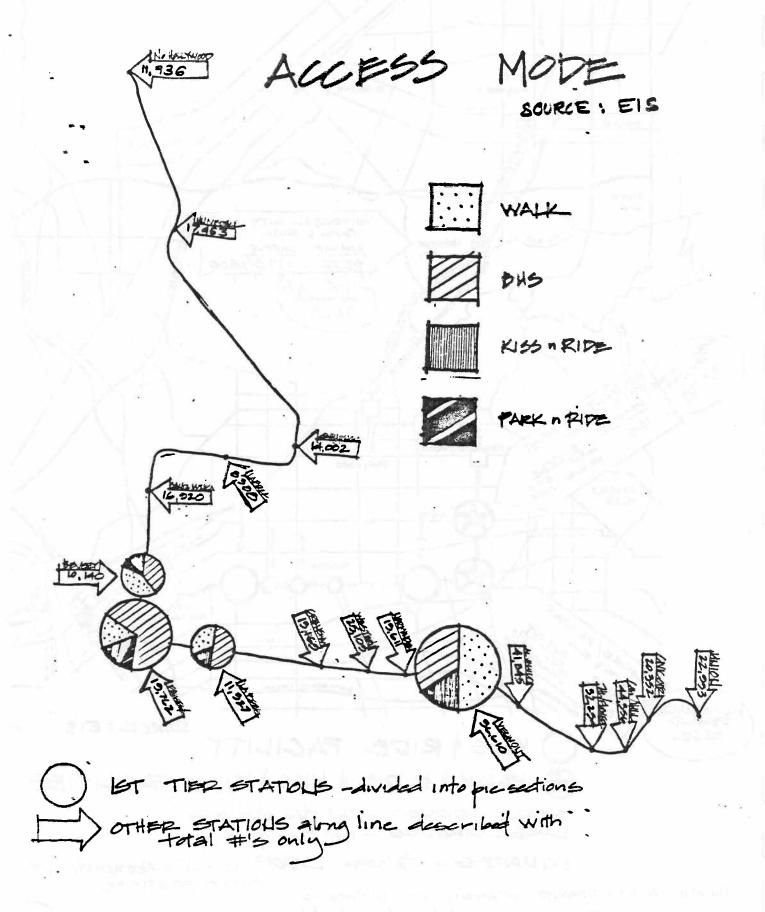


LARGE CIRCLES - 1st Tier stations

SQUARES - stations LADOP is not responsible for these stations

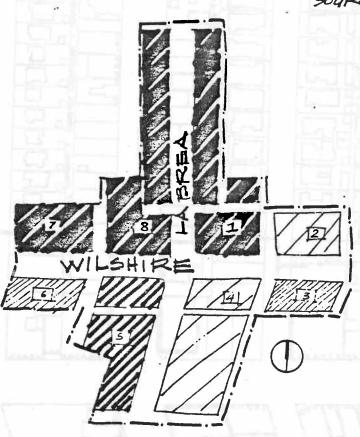
MUCHETTANITY DEMAND: no parking space limitations

DEMALID: given parking space limitations



EXISTING PARKING USAGE

HEORMATION SOURCE: LADOT.



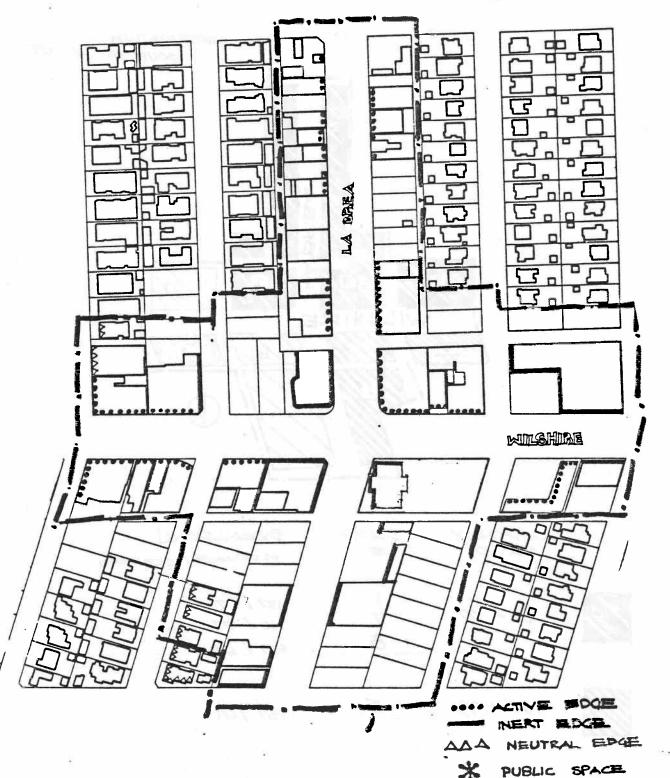
	OCCUPALICY RATIO	# # #	BEEAK POWL	
1	.50100	7 8	187 / 197 166 / 177 607 / 674	
	.6079	5	137 /171	165
	.4050	3 4	72/104	

20 - 30 2 28/78

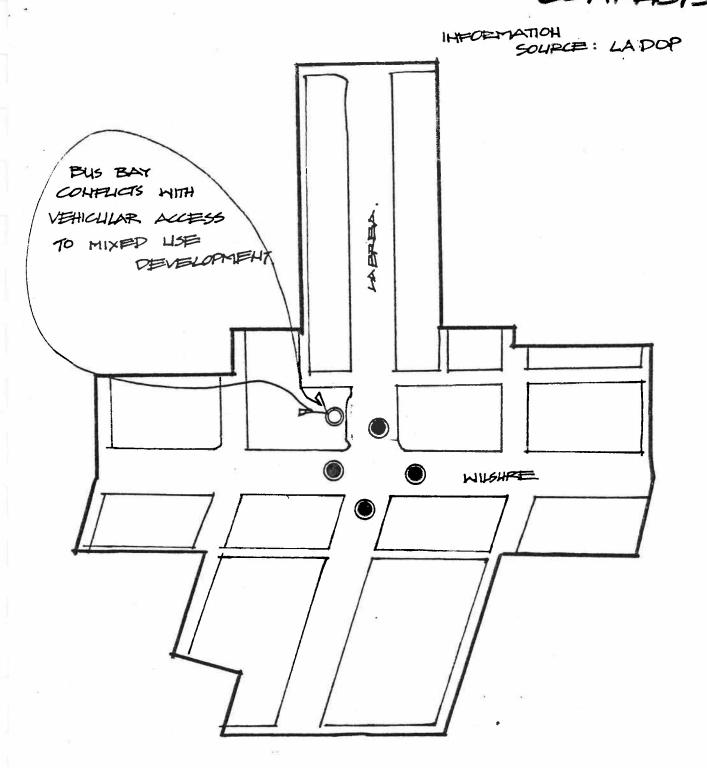
24

EDGE COHDITIOUS

SOURCE: PIELD WORK.



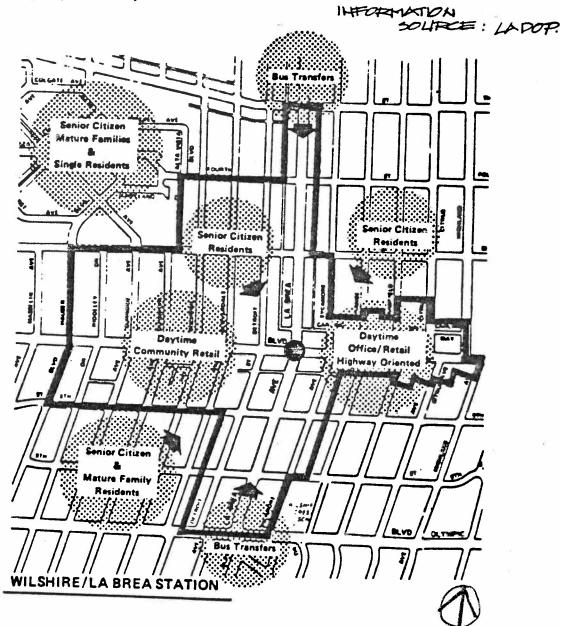
POTENTIAL PUBLIC SPACE AND CIPCULATION CONFLICTS.



- @ COHFLOT BETHEEN PEDESTRIAN & VEHICULAR TRAFFIC.
- O CONFLICT BETWEEN BUS BAYS AND VEHICULAR ACCESS TO MIXED USE PENELOPMENT.

اللافدة

GENERAL USERS



SPECIAL LISERS (EIS)

* TOTAL POPULATION

13344

MEDIUM ANUAL FAMILY INCOME

21,482

PERCENT PERCENT MINORITY 33%

5-19 YRS 10%

PERCENT AGED 65 + YRS 33 %

PERCENT TRANSIT DISABLED 7.6%

PERCENT HOUSEHOLDS WITHOUT VEHICLE ACCESS

31%

partie of the state of the stat

Time of

ware cook were to

Private San

The state of the s

10-1

And Therese

Size

82.3

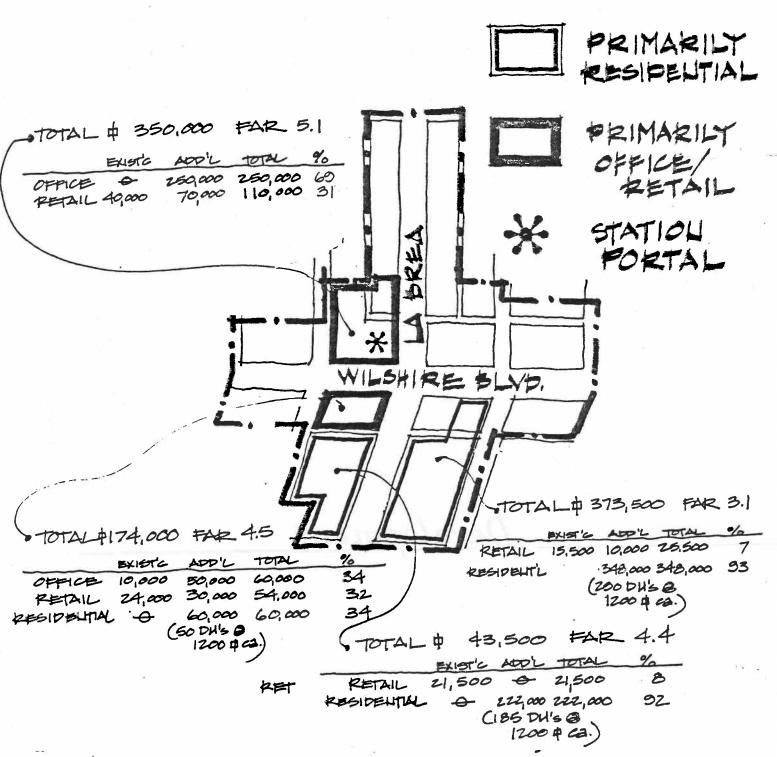
5.32

5,01

3.50

Development

TOTAL* PROJECTED DEVELOPMENT

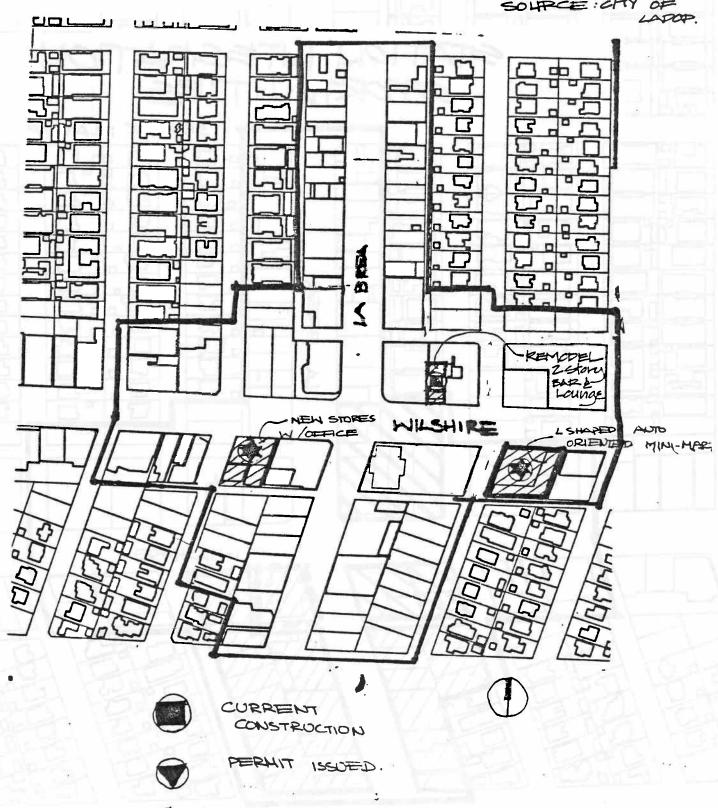


* SOMPE FOOTAGE INCLUDES ASSUMPTIONS FOR PETAINING OR REPLACING EXISTING DEVELOPMENT

* X BASED ON ERA

IMMINENT DEVELOPMENT

SOUPCE: CITY OF

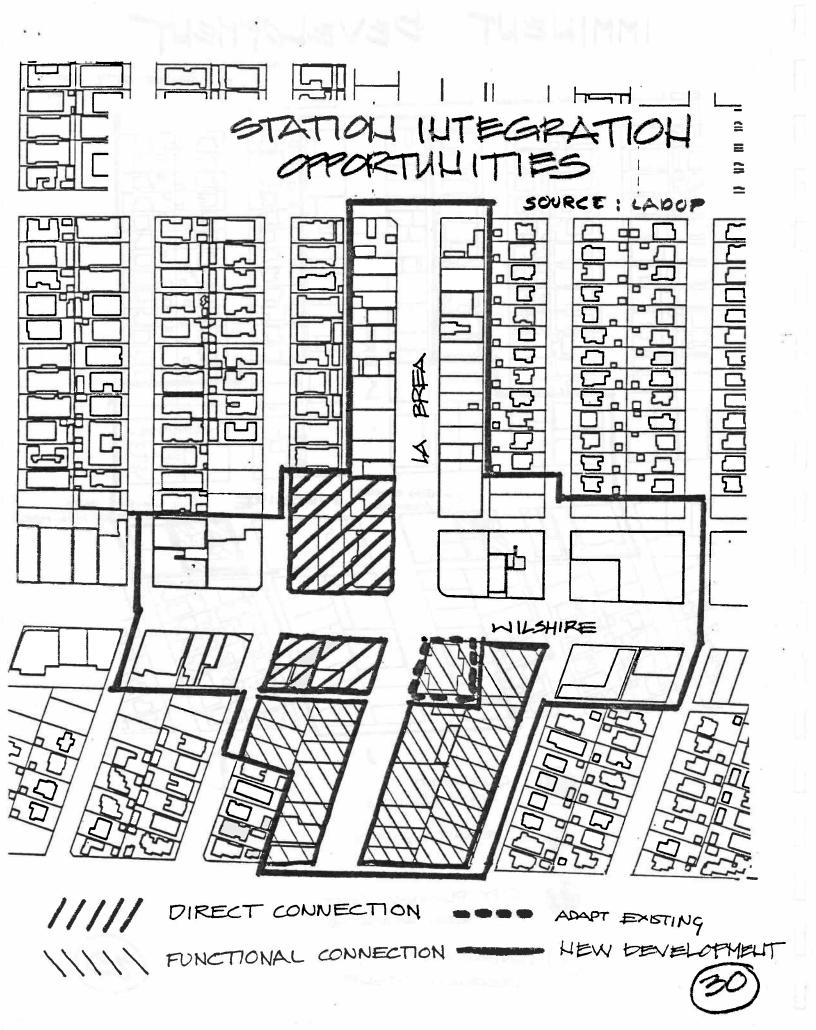




CITY PLANNING DEPT. HAS BEEN APPOACHED







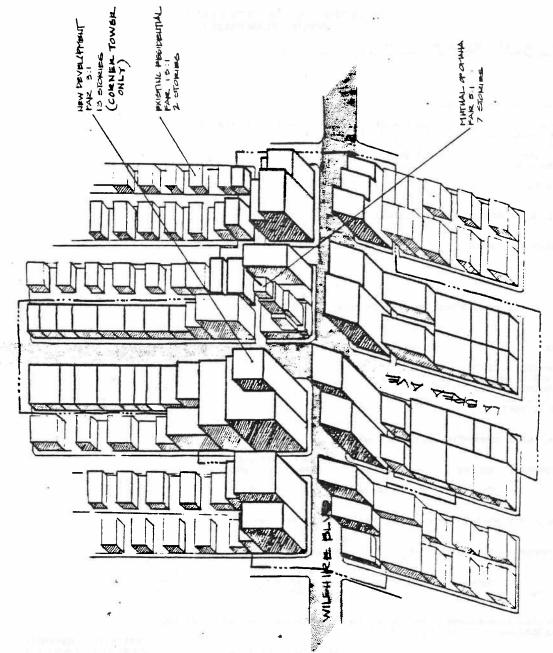
Miscellaneous

ottiscellans on

ILLUSTRATIVE MASSING AXONOMETRIO Wichirs/La brea

IMMEDIATE STATION IMPACT AFRA

APPROPRIATE DIRECT COUNECTIONS TO THE METRO KAIL STATION. IT IS MIGHLY CORRIDOR SPECIFIC PLAN WILLIZING BONUSES, TRAUSFER DEVELOPMENT THE MAXIMUM PEVELOD.
MEUT ATTAINABLE FOX.
EVEKY LOT, AS PERMITTED WILLELY THAT ALL LOTS
WILL REALIZE THIS FULL
POTENTIAL (ONE HANNET
FRANKETONS IN ENTANNES) THE DENSITY AND INTELSITY BY THE METRO KAIL TIKALIST ONLY AND KEPKESELIES MAP IS ILLINSTINATIVE PISTATED OF THIS KIGHTS, AND WHEKE





Yed LADOP

LA BREA PORTAL SITE EXAMPLE SPECIFIC PLAN PHASE I

METRO RAIL STATION AREA DEVELOPMENT FLANS EXAMPLE OF DEVELOPMENT POTENTIAL USING TRIPS, BONUSES & TDR

IDENTIFY PARCEL & PHASE STEP 1

NW CORNER LA BREA/WILSHIRE - PORTAL SITE

BOOK-PAGE-PARCEL #: 5508-007-11,12,13,24,25 SPECIFIC PLAN SECTOR: MIRACLE MILE

1

STATION: LA BREA

SUBAREAS: 1

PHASE:

STEP 2 CALCULATE RESIDENTIAL BUILDABLE AREA

> GROSS SETRACK BUILDABLE AVE. LOT AREA/D.U. AREA AREA ZONING AREA SUBAREA

CALCULATE DEVELOPMENT ON RESIDENTIALLY-ZONED PORTION STEP 3

FROFOSED (EXISTING+

USE PERMITTED EXISTING ADDITIONAL PROPOSED) COMMERCIAL SOFT. 0.00

SUBSET: HOTEL ROOMS 0.00 RESIDENTIAL SOFT. (EST) D.U. 'S 0.00

TOTAL SOFT.

STEP 4 CALCULATE COMMERCIAL BUILDABLE AREA

> BUILDABLE GROSS SETBACK AREA SUBAREA ZONING AREA AREA 56026 56026 C4-4

CALCULATE MAXIMUM TRIPS PERMITTED BY SPECIFIC PLAN STEP 5

> TRIPS/1000 SQFT. TRIPS SUBAREA ALLOCATION TYPE BUILDABLE AREA PERMITTED 42 TRIPS 2353 INITIAL ALLOCATION 1 TOTAL BONUS/TDR ALLOCATION 42 TRIPS 2353 84 TRIPS 4706

STEP 6 CALCULATE DEVELOPMENT ON COMMERCIALLY-ZONED PORTION USING INITIAL

ALLOCATION OF TRIPS FROM STEP 5

	parar	EXISTING SOFT.ROOMS SO	PROPOSED IST BOOMS	TRIPS	CONSTRUCT.		PARKING	COST OF FAREING
USE	GENERATED		OR D.U. 'S	USED		(NOTE 2)	SPACES	(NOTE 4)
*								1
OFFICE	14/1000 SQFT.		117000	1638	116	13572000	234	2620800
RETAIL	35/1000 SQFT.		10000	350	77	770000	20	224000
MEDICAL	75/1000 SQFT.			0	127	Q	0	0
RESTAURANT	45/1000 SQFT.		5000	225	135	675000	10	112000
FAST FOOD	164/1000 SØFT.			O	95	0	O	0
DRIVE-THRU	553/1000 SQFT.			O	95	Q.	O	0
ENTERTNMENT	14/1000 SQFT.		10000	140			286	3200000
HOTEL	10/ROUM			0	93	O.	Q.	0
RESIDENTIAL	7.55/D.U.			.0	82	0	O	Ō
TOTAL SQ.FT		Ó	142000					
TOTAL HOTEL ROO	MS	O	Ŏ					
TOTAL D.U.'S		Q	Q					
TOTAL TRIPS USE	D			2353				
MAX. TRIPS PERM	ITTED			2353				
REQUIRED PARKIN	IG			-4			550	
TOTAL COSTS						16247000		6156800
BUILDING VALUAT	ION (CONSTRUCTION	+ PARKING COS	TS)			22403800		

STEP 7 CALCULATE BONUS TRIPS GENERATED BY DEVELOPMENT IN STEP 6 (ALVARADO, WILSHIRE CENTER, MIRACLE MILE SECTORS ONLY)

	BONUSABLE FEATURE (SUBAREAS)	PROPUSED SQFT. OR "1" IF B.A.*	BONUS FACTOR	BONUS TRIFS ALLOCATED
(1) (1)	TRANSIT: DIRECT CONNECTION OFF-ST.BUS TERMINAL OFF-ST.PARKING FUNCTIONAL CONNECTION	i	14/1000 B.A. 14/1000 B.A. 14/1000 B.A. 5/1000 B.A.	784 0 0
(1,2)	STREET ENVIRONMENT: GROUND FLOOR RETAIL GROUND FLOOR RESTURANT OUTDOOR CAFE	10000	7/100 SQFT. 7/100 SQFT. 7/100 SQFT.	0
(1,2)	CULTURAL: CULTURAL/ENTERTAINMENT		5.6/100 SQFT.	o
	HISTORIC PRESERVATION: HISTORIC PROPERTY HISTORIC FACADE		5.6/100 SQFT. 5/1000 B.A.	0
(1,2)	COMMUNITY SERVICES: COMMUNITY USE FACILITY		5.6/100 SQFT.	0
(1,2)	OPEN SPACE: AMENITY SPACE RECREATIONAL USE ROOFTOP GARDEN	19000	4.2/100 SQFT. 4.2/100 SQFT. 4.2/100 SQFT.	798 0 0
(1,2) (1,2) (1,2)	HOUSING: HANDICAPPED SENIOR CITIZEN LOW TO MODERATE RENTAL CONDOMINIUMS		7/100 SOFT. 7/100 SOFT. 7/100 SOFT. 5.6/100 SOFT. 2.8/100 SOFT.	0 0 0 0
	TOTALS MAX. TRIPS PERMITTED	34000		2632 2353

STEP 8 INDICATE TOR TRIPS NEEDED TO REACH MAXIMUM F.A.R ALLOWED BY SPECIFIC PLAN (ALVARADO, WILSHIRE CENTER, MIRACLE MILE SECTORS ONLY)

-279

STEP 9 CALCULATE DEVELOPMENT ON COMMERCIALLY-ZONED FORTION USING BONUS & TDR ALLOCATION OF TRIPS FROM STEPS 7 % 8

USE	TRIPS GENERATED	PROFOSED SQFT.ROOMS OR D.U.'S	TRIPS USED	ESTIMATED CONSTRUCT. COST/SQFT. (NOTE 1)	ESTIMATED CONSTRUCT. COST (NOTE 2)	FARKING SPACES	ESTIMATED COST OF FAREING (NOTE 4)
OFFICE	- 14/1000 SQFT.	168000	2352	116	19488000	77/	77/7700
RETAIL	35/1000 SQFT.	100000	0	77		336	3763200
MEDICAL	75/1000 SQFT.		-		O.	0	0
RESTAURANT			0	127	0	0	Q.
	45/1000 SDFT.		0	135	Ó.	Q	0
FAST FOOD	164/1000 SQFT.		0	95	0	0	0
DRIVE-THRU	553/1000 SDFT.		0	95	- O	Ō	0
ENTERTNMENT	14/1000 SQFT.		0	123	Ó	Ö	ó
HOTEL	10/ROOM		0	93	Ó	ŏ	ő
RESIDENTIAL	7.55/D.U.		0	82	0	ő	
					· ·	· ·	O
TOTAL SOFT.		168000					
TOTAL HOTEL	ROOMS	0					
TOTAL D.U.'S		Ö					
TOTAL TRIPS		10	2352				
MAX. TRIPS P							
			2353				
REQUIRED PAR	KING					336	
TOTAL COSTS BUILDING VAL	UATION (CONSTRUCTION + F	ARKING COSTS)			19488000 23251200		376 3200

STEP 10 INDICATE TOTAL DEVELOPMENT ON COMMERCIALLY-ZONED FORTION (SUM OF DEVELOPMENT FROM STEPS 6 % 9)

USE	PROPOSED SOFT.ROOMS OR D.U.'S	EXISTING SOFT.ROOMS OR D.U.'S		TRIPS USED	ESTIMATED CONSTRUCT. COST/SOFT. (NOTE 1)	ESTIMATED CONSTRUCT. COST (NOTE 2)	PARKING SPACES	ESTIMATED COST OF PARKING (NOTE 4)
OFFICE	2 85 000	0		3990	116	33060000	570	6384000
RETAIL						•		
GROUND FLOOR	10000	0		350	77	770000	20	224000
OFTIONAL	0	0		O	77	0	0	O
MEDICAL	Q.	0		0	127	0	O	0
RESTAURANTS	5000	0		225	135	675000	10	112000
FAST FOOD	0	O		O	95	0	Ō	Ō
DRIVE-THRU	0	0		Ó	95	0	0	Ō
ENTERTAINMENT								
CULTURAL	Q.	0		0	123	Ó	Ō	0
OFTIONAL	10000	Q		140	123	1230000	286	3200000
HOTEL	0	.0		0	93	0	0	Q
RESIDENTIAL		74						
HANDICAPPED	0	0		0	82	0	0	0
SENIOR CITIZEN	Ō	Q		0	82	O	Q	0
LOW TO MODERATE	Ó	0		0	82	0	Q	0
RENTAL	0	0		0	82	0	Ó	0
CONDOMINIUMS	. 0	0		0	92	0	0	O
OPTIONAL	0	0		0	82	0	O	O
TOTAL SOFT.	310000	o						
TOTAL HOTEL ROOMS	O.	0						
TOTAL D.U.'S	0	0						
TOTAL TRIPS USED				4705				
MAX. TRIPS PERMITTED				4706				
REQUIRED PARKING							886	
TOTAL COSTS		141				35735000	000	9920000
BUILDING VALUATION (CO	ONSTRUCTION -	PARKING CO	STS)			45655000		7.720000

STEP 11 INDICATE TOTAL DEVELOPMENT ON ENTIRE SITE (SUMMARY OF STEPS 3%10)

COM	MERCIALLY- ZONED PORTION	RESIDENTIALLY- ZONED PORTION	TOTAL
TOTAL SOFT. (NOTE 2)	310000	0	310000
SUBSET: HOTEL ROOMS	Ú	0	0
SUBSET: D.U. 'S .	0	Ō	0
REQUIRED PARKING	886	Ō	886
F.A.R.	5.53	0.00	5.53

APPENDIX

FALSE
* TRUE FALSE
0
FALSE
0
O.
(3) 400
28
2) 1000
500

NOTES

- 1. VALUATION ESTIMATE, CITY OF L.A. DEPT OF BUILDING AND SAFETY, JAN. 1984; ASSUMED "EXCELLENT" QUALITY CONSTRUCTION AND "TYPE I&II" FIRE RESISTANCE FUR COMMERCIAL BUILDINGS AND "MASONRY" CONSTRUCTION FOR RESIDENTIAL.
- 2. RESIDENTIAL: 1000 SQ.FT. PER DWELLING UNIT ESTIMATE.
 HOTEL: 500/SQ.FT. PER ROOM ESTIMATE.
 3. ESTIMATED SQ.FT. PER PARKING SPACE FOR CALCULATING PARKING LOT
- 3. ESTIMATED SO.FT. PER PARKING SPACE FOR CALCULATING FARKING LOT SIZE. FROM KEVIN LYNCH, SITE PLANNING, 1962 (CAMBRIDGE: MIT PRESS).
- 4. VALUATION ESTIMATE, CITY OF L.A. DEPT. OF BUILDING AND SAFETY, JAN. 1984; "PARKING GARAGE".

LA BREA PORTAL SITE EXAMPLE SPECIFIC PLAN PHASE II

METRO RAIL STATION AREA DEVELOPMENT FLANS EXAMPLE OF DEVELOPMENT POTENTIAL USING TRIPS, BONUSES & TOR

		*							
IDENTIFY F	PARCEL & PHA	SE							
		5508-007-11	,12,13,24,2		AL SITE				
STATION: SUBAREAS:	CAN SECTOR:	LA BREA	E						
PHASE:		11							
CALCULATE	RESIDENTIAL	BUILDABLE A	REA						
SUBAREA	ZONING	GKUSS AFEA							
CALCULATE	DEVELOFMENT	ON RESIDENT	IALLY-ZONED	PORTION					
USE	40	PERMITTED	EXISTING		(EXISTING)		•		
					0.00	O-Mary I			
RESIDENTIA)							
		o	· 0	0	0.00		127		
CALCULATE	COMMERCIAL E	BUILDABLE ARE	EA						
SUBAREA	ZONING	GRUSS AREA	SETBACK AREA	HUILDARLE AREA				2.41	
1	C4-4	56026	0	54026					
CALCULATE I	MAXIMUM TRIE	S PERMITTED	BY SPECIFIC	ELAN					
SUBAREA	ALLOCATION	TYPE			TRIPS PERMITTED				
1 1 TOTAL			140	TRIPS	2353 7844 10197				
CALCULATE I	DEVEL OFMENT	ON COMMERCIA	LLY-70NED E	PRITON USIN	G INITIAL		.E		
ALLOCATION	OF TRIPS FR	OM STEP 5					=		
USE		HEIPS GENERATED	EXISTING SDFT. ROUNTS OR D.U. 'S	PROPUSED SUFT.ROUMS OR D.O. S	TRIPS USED	CONSTRUCT.		PARKING SPACES	COST OF PARKING (NOTE 4)
OFFICE RETAIL	35	71000 SQFT.		117000 10000	1638 350	116 77	13572000 770000	234 20	2620800 224000
RESTAURANT	45	/1000 SUFT.		5000	225	135	0 675000	10	0 112000
DRIVE-THRU	553	/1000 SOFT.			O O	95 95	0		0 0
ENTERTNMENT HOTEL			*	10000	140	123	1230000	286	3200000
					0	82 82	0	o o	0
TOTAL SQ.FT	ROOMS		0	142000 0					
	S		A-1						
TOTAL D.U. TOTAL TRIPS MAX. TRIPS	S USED PERMITTED		0	υ	2353 2353				
TOTAL D.U.	S USED PERMITTED ARKING		0		2353 2353		16247000	550	615 6800
	ADDRESS: BOOK-PAGE: SPECIFIC FOR STATION: SUBAREAS: PHASE: CALCULATE SUBAREA CALCULATE CALCULATE SUBAREA 1 CALCULATE SUBAREA 1 CALCULATE SUBAREA 1 CALCULATE CALCULATE SUBAREA 1 CALCULATE MEDICAL CALCULATE ALLOCATION USE	ADDRESS: BOOK-PAGE-PARCEL #: SPECIFIC PLAN SECTOR: STATION: SUBAREAS: PHASE: CALCULATE RESIDENTIAL SUBAREA ZONING CALCULATE DEVELOPMENT USE COMMERCIAL SQFT. SUBSET:HOTEL ROOMS RESIDENTIAL SOFT. (EST D.U.'S TOTAL SQFT. CALCULATE COMMERCIAL : SUBAREA ZONING 1 C4-4 CALCULATE MAXIMUM TRIF SUBAREA ALLOCATION 1 INITIAL ALL 1 BONUS/TDR AT TOTAL CALCULATE DEVELOPMENT ALLOCATION OF TRIPS FR USE OFFICE 14 RETAIL 35 MEDICAL 75 RESTAURANT 45 FAST FOOD 164 PAST FOOD 164 PA	BOOK-PAGE-PARCEL #: S508-007-11 SPECIFIC PLAN SECTOR: MIRACLE MIL STATION: SUBAREAS: 1 PHASE: II CALCULATE RESIDENTIAL BUILDABLE A SUBAREA ZONING GRUSS AREA CALCULATE DEVELOPMENT ON RESIDENT USE PERMITTED COMMERCIAL SQFT. SUBSET: HOTEL ROOMS RESIDENTIAL SQFT. (EST) D.U. 'S TOTAL SQFT. O CALCULATE COMMERCIAL BUILDABLE ARE SUBAREA ZONING GRUSS AREA 1 C4-4 SA026 CALCULATE MAXIMUM TRIPS PERMITTED SUBAREA ALLOCATION TYPE 1 INITIAL ALLOCATION 1 BONUS/TDR ALLOCATION 1 TOTAL CALCULATE DEVELOPMENT ON COMMERCIAL ALLOCATION OF TRIPS FROM STEP 5 USE GENERATED OFFICE 14/1000 SQFT. RESTAURANT 45/1000 SQFT.	ADDRESS: BOCK-PAGE-PARCEL #: S508-007-11,12,13,24,2 S508-007-11,12,13,24,2 S508-007-11,12,13,24,2 STATION: SUBAREAS: II PHASE: III CALCULATE RESIDENTIAL BUILDABLE AREA SUBAREA ZONING AREA AREA CALCULATE DEVELOPMENT ON RESIDENTIALLY-ZONED EXISTING COMMERCIAL SQFT. SUBSET: HOTEL ROOMS RESIDENTIAL SQFT. (EST) D.U.'S TOTAL SQFT. (EST) D.U.'S TO	ADDRESS: BOOK-PAGE-PARCEL #: STORM SOURCE LA BREA/WILSHIRE - PORT SPECIFIC PLAN SECTOR: SPECIFIC PLAN SECTOR: SPECIFIC PLAN SECTOR: STATION: SUBAREAG: II CALCULATE RESIDENTIAL DUILDABLE AREA SUBAREA ZONING GROSS SETBACK BUILDABLE AREA CALCULATE DEVELOPMENT ON RESIDENTIALLY-ZONED PORTION USE PERMITTED EXISTING ADDITIONAL COMMERCIAL SOFT. SUBSET:HOTEL ROOMS RESIDENTIAL SOFT. (EST) D.U. 'S TOTAL SOFT. CALCULATE COMMERCIAL BUILDABLE AREA SUBAREA ZONING AREA AREA AREA AREA AREA SUBAREA ZONING AREA AREA AREA AREA AREA AREA CALCULATE COMMERCIAL BUILDABLE AREA CALCULATE COMMERCIAL BUILDABLE AREA SUBAREA ZONING AREA AREA AREA AREA AREA AREA AREA ARE	ADDRESS: BOOK-PAGE-PARCEL M: SPECIFIC PLAN SECTOR STATION: SUBAREAS: CALCULATE DEVELOPMENT ON RESIDENTIALLY-ZONED PORTION CALCULATE DEVELOPMENT ON RESIDENTIALLY-ZONED PORTION CALCULATE COMMERCIAL BUILDABLE AREA COMMERCIAL SOFT: SUBSET: SUBSET: SUBAREA CALCULATE COMMERCIAL BUILDABLE AREA CALCULATE COMMERCIAL BUILDABLE AREA SUBAREA CALCULATE COMMERCIAL BUILDABLE AREA SUBAREA CALCULATE COMMERCIAL BUILDABLE AREA CALCULATE DEVELOPMENT ON RESIDENTIALLY-ZONED PORTION F.A.R. PROPOSED (EXISTING PROPOSED (EXISTING ADDITIONAL PROPOSED (EXISTING AREA AREA AREA AREA AREA AREA AREA AREA	DENTIFY PARCEL & PHASE	No Corner La Breamiliative Parcel & Phase	DENTIFY PARCEL & PHASE ADDRESS:

STEP 7 CALCULATE BONUS TRIPS GENERATED BY DEVELOPMENT IN STEP 6
(ALVARADO, WILSHIRE CENTER, MIRACLE MILE SECTORS ONLY)

	BONUSABLE FEATURE (SUBAREAS)	PROFOSED SQFT. OR "1" IF B.A.*	BONUS FACTOR	BONUS TRIPS ALLOCATED
(1)	TRANSIT: DIRECT CONNECTION OFF-ST.BUS TERMINAL OFF-ST.PARKING FUNCTIONAL CONNECTION	1	14/1000 B.A. 14/1000 B.A. 14/1000 B.A. 5/1000 B.A.	
(1, 2)	STREET ENVIRONMENT: GROUND FLOOR RETAIL GROUND FLOOR RESTURANT OUTDOOR CAFE	10000 5000	7/100 SDFT. 7/100 SQFT. 7/100 SQFT.	700 0 350
(1,2)	CULTURAL: CULTURAL/ENTERTAINMENT	1	5.6/100 SQFT.	0
	HISTORIC PRESERVATION: HISTORIC PROPERTY HISTORIC FACADE		5.6/100 SDFT. 5/1000 B.A.	0
(1,2)	COMMUNITY SERVICES: COMMUNITY USE FACILITY		5.6/100 SQFT.	0
(1,2)	OPEN SPACE: AMENITY SPACE RECREATIONAL USE ROOFTOP GARDEN	19000	4.2/100 SQFT. 4.2/100 SQFT. 4.2/100 SQFT.	7 98 0 0
(1,2) (1,2) (1,2)	HOUSING: HANDICAPPED SENIOR CITIZEN LOW TO MODERATE RENTAL CONDOMINIUMS		7/100 SQFT. 7/100 SQFT. 7/100 SQFT. 5.6/100 SQFT. 2.8/100 SQFT.	0 0 0 0
	TOTALS MAX. TRIPS PERMITTED	34000		2632 7844

STEP 8 INDICATE TDR TRIPS NEEDED TO REACH MAXIMUM F.A.R ALLOWED BY SPECIFIC PLAN (ALVARADO, WILSHIRE CENTER, MIRACLE MILE SECTORS ONLY)

5211

STEP 9 CALCULATE DEVELOPMENT ON COMMERCIALLY-ZONED PORTION USING BONUS & TDR ALLOCATION OF TRIPS FROM STEPS 7 & 8

USE	TRIPS GENERATED	PROFOSED SQFT.ROOMS OR D.U.1S	TRIPS USED	ESTIMATED CONSTRUCT. COST/SQFT. (NOTE 1)		PARKING SPACES	ESTIMATED COST OF FARKING (NOTE 4)
OFFICE RETAIL MEDICAL RESTAURANT FAST FOOD DRIVE-THRU ENTERTNMENT HOTEL RESIDENTIAL	14/1000 SQFT. 35/1000 SQFT. 75/1000 SQFT. 45/1000 SQFT. 164/1000 SQFT. 553/1000 SQFT. 14/1000 SQFT. 10/RQQM 7.55/D.U.	560000	7840 0 0 0 0 0	116 77 127 135 95 95 123 93	64960000 0 0 0 0 0 0 0 0	1120 0 0 0 0 0 0	12544000 0 0 0 0 0 0 0 0
TOTAL SOFT. TOTAL HOTEL ROOM: TOTAL D.U.'S TOTAL TRIPS USED MAX. TRIPS PERMI REQUIRED PARKING TOTAL COSTS BUILDING VALUATIO	TTED	560000 0 0	7840 7844		64960000 77515200	1170	12544000

INDICATE TOTAL DEVELOPMENT ON COMMERCIALLY-ZONED PORTION (SUM OF DEVELOPMENT FROM STERS 6 & 9)

USE	FROFOSED SQFT.ROOMS OR D.U. S	EXISTING SOFT. POUMS OR D.U. S	TRIPS USED	ESTIMATED CONSTRUCT. COST/SQFT. (NOTE 1)	ESTIMATED CONSTRUCT. COST (NOTE 2)	PARKING SPACES	COST OF PARKING (NOTE 4)
OFFICE	67/000	O	9478	116	78532000	1354	15164800
RETAIL							
GROUND FLOOP	10000	O	350	77	770000	20	224000
OF TIONAL	Q	O.	9	77	0	0	O
MEDICAL	Q	0	O	127	O.	Q	()
RESTAURANTS	5000	0	225	135	675000	10	112000
FAST FOOD	5.0	0	Q.	95	0	0	0
DRIVE-THRU	Ó	Q	C	95	0	Q	()
ENTERTAINMENT							
CULTURAL	_ 0	0	Ó	123	0	O	()
OPTIONAL	1¢66m	0	140	123	1230000	286	3200000
HOTEL	0	0	0	93	0	0	Ŏ
RESIDENTIAL		97					
HANDILAPPED	0	Q.	0	82	0	Ö	6
SENIOR CITIZEN	Ç	0	Q	82	O	O.	O
LOW TO MODERATE	Q.	O	Q.	82	0	0	0
RENTAL	Ŏ	0	0	82	0	0	Ó
CONDOMINIUMS	0	0	0	82	0	Ö	Ö
OPTIONAL	0	0	0	82	Ö	O	0
TOTAL SOFT.	702000	0					
TOTAL HOTEL ROOMS	0	O					
TOTAL D.U. S	0	0					
TOTAL TRIPS USED			10193				
MAX. TRIPS PERMITTE	ED		10197				
REQUIRED PARKING						1670	
TOTAL COSTS					81207000	10/0	18700800
BUILDING VALUATION	(CONSTRUCTION +	PARK THE CO	ISTS)		99919000		TRACIORDO

STEP 11 INDICATE TOTAL DEVELOPMENT ON ENTIRE SITE (SUMMARY OF STEPS 3%10)

מון מולומקוונים דה	OMHERCIALLY~ ZONED	REGIDENTIALLY-	
	PORTION	ZONED	
	FURTION	PORTION	TOTAL
TOTAL SOFT. (NOTE 2)	702000	Ó	702000
SUBSET: HOTEL ROOMS	0	The state of the s	0
SUBSET: D.U. 'S	O	0	0
REQUIRED PARKING	1671	0	1671
F.A.R.	12.53	0.00	12.53

APPENDIX

HOTEL PARKING CALCULATION:	Fal St		
	O TRUE		
	FALSE		Approximation of the district of the second
	FALSE		
	- 0		
	,)		
SQFT./PARKING SPACE: (NOTE 3)	400		and such and the substitute of
EST.COST/SOFT.FARKING: (NOTE 4)	-8		
SQFT./DWELLING UNIT: (NOTE 2)	10000		
SOFT. /HOTEL ROOM: (NOTE 2)	200		

NOTES

- 1. VALUATION ESTIMATE, CITY OF L.A. DEPT OF BUILDING AND SAFETY, JAN. 1784; ASSUMED "EXCELLENT" QUALITY CONSTRUCTION AND "TYPE 1%11" FIRE RESISTANCE FOR COMMERCIAL BUILDINGS AND "MASONRY" CONSTRUCTION FOR RESIDENTIAL.
- 2. RESIDENTIAL: 1000 SQ.FT. PER DWELLING UNIT ESTIMATE.
 HOTEL: 500/50.FT. PER ROOM ESTIMATE.
 3. ESTIMATED SQ.FT. PER PARKING SPACE FOR CALCULATING PARKING LOT SIZE. FROM KEVIN LYNCH, SITE PLANNING, 1962 (CAMBRIDGE: MIT
- 4. VALUATION ESTIMATE, CITY OF L.A. DEPT. OF BUILDING AND SAFETY, JAN. 1984: "PARE ING GARAGE".

STUDY OF PARKING POLICIES AND PROGRAMS FOR METRO RAIL STATION AREAS

The purpose of this report is to discuss relevant issues and recommendations regarding the use of parking incentives and peripheral parking in the Metro Rail Station Areas. The recommendations of the Mayor's Blue Ribbon Committee on the Los Angeles CBD Transportation Study, the CRA's experience in the CBD and the Planning Department's parking demand forecasts have been utilized in this briefing. The policy and program recommendations are intended for use in the Station Area Development Plans' Economic Incentives Section.

Parking incentives in the City of Los Angeles allow a 40 percent reduction in required on-site parking if the developer provides 1) an acceptable Transportation Alternative, such as a ridesharing program, or 2) remote off-site parking. Transportation Alternatives must have significant, achievable participation levels (e.g., 20% of building employees). With remote off-site parking, the developer must provide transportation between the remote site and the main building. These conditions are treated as legal obligations on the building owner. The purpose of the incentives is to reduce traffic congestion and to facilitate development by lowering the cost of providing parking.

Parking requirements in Centers are proposed to be changed, by ordinance, to one space per 1,000 square feet of commercial floor area, while outside of Centers required parking would be increased to three spaces per 1,000 square feet. Most Metro Rail Station Areas are contiguous with Centers.

The market for reduced parking requirements (parking incentives) is limited, based on the City's experience with its own program, in part because of lending institutions' loan criteria. In order to secure a loan, a developer is often required to provide parking in excess of that required by City ordinance. Thus, even if the City's parking requirement is decreased, parking incentives aren't likely to help developers undercut the minimum requirements established by private lending committees. This problem is exacerbated by lenders' unfamiliarity with transportation system management (TSM) strategies, their success rate and their function in a broader transportation/land use framework. In the scheme of real estate investment decision-making, parking "incentives" aren't really meaningful in the context of more important market conditions, such as location. Therefore, TSM strategies should not be treated as incentives but simply as conditions of approval.

The need for peripheral parking is growing in the CBD and will undoubtedly be felt in other areas of high-density development, such as Metro Rail Station Areas. Peripheral, or off-site, parking is a TSM strategy to achieve a reduction in traffic congestion that would otherwise be expected to accompany projected development. Its purpose is to intercept commuter traffic from all directions before it enters the Station Area/Center. Commuters park at the peripheral parking facility and complete their journey into the Station Area/Center by walking or on a short shuttle ride. Analyses indicate that to

efficiently operate a shuttle service, each facility should contain at least 400 cars. Also, an area must have relatively high parking prices in order to create sufficient market demand to support peripheral facilities.

The CRA's experience with peripheral parking in the CDB has led to a detailed study to develop program policies, identify an optimal, long-term network of peripheral sites, and develop an implementation program. Peripheral parking requirements are included in CRA's development agreements for major CBD projects. The agency estimates that 40 percent of Code-required parking for such projects is now being located outside the CBD Traffic Impact Zone.

CRA - identified(1) factors for a successful peripheral program include the provision of Proposition A subsidies for a shuttle service, the existence of high market prices for parking within the CBD, user accessibility and convenience of peripheral sites, and the location of sites near freeway off-ramps to mitigate traffic into downtown. The CRA is also concerned with the impact of peripheral facilities on host communities.

The Mayor's Blue Ribbon Committee recommends that at least 25 percent of Code-required parking for new CBD development be located in peripheral locations. The Committee is considering the use of peripheral parking to replace spaces lost as a result of new development, when such spaces are required to be replaced. Peripheral parking can also be used to support the rehabilitation of existing buildings. In general, the Committee has set the following objectives regarding peripheral parking:

- 1. Emphasize commuter convenience and security at peripheral lots.
- 2. Utilize reasonable means to allow preferential use of streets by shuttle vehicles.
- 3. Test market issues and consumer acceptance through a City-sponsored pilot project.
- 4. Create incentives for the free-market reallocation of existing parking spaces within the Station Area.
- 5. Keep the shuttle running late enough to accommodate those on staggered work hours. Late-hour operation could also accommodate Station Area cultural and recreational activity schedules, enhancing the economic opportunities of the Area.

The Mayor's Blue Ribbon Committee makes a number of recommendations regarding TSM programs, including peripheral parking:

- 1. TSM programs should be required and enforced on all new developments in the CBD. Existing businesses should be encouraged to participate.
- 2. The City should design an annual monitoring/audit system which can measure rideshaping levels. The City should enforce TSM programs if goals are not reached.

⁽¹⁾ Rich Willson, CRA, telephone conversation, February 1986

- 3. Efforts should be made to encourage flexibility between peripheral parking, transit and ridesharing use both in new programs and in enforcement efforts. Staggered work hours and flex time should be encouraged in order to move trips out of peak congestion hours.
- 4. Developers should be given credit for establishing and maintaining increased ridesharing and transit usage in existing nearby buildings for which TSM programs are not required.

The Ad Hoc Transportation Committee for the CBD recommended that parking demand and supply forecasts be made for the CBD to ascertain the precise need for peripheral parking. As part of such a needs assessment, they recommended inclusion of figures on existing parking, expected deficits, and planned parking for on-going development.

A needs assessment for peripheral parking in Station Areas follows. Figures for current estimated usage and supply of parking, 1995 projected total demand for parking (constrained and unconstrained)(2) and 1995 projected total supply of parking under three different scenarios are presented for eight Station Areas in Table 1. The sources for these figures and projections are the data maps for the eight Station Area Development Plans. Chart 1 is a graphic illustration of projected supply and demand scenarios from Table 1.

Findings

- 1. In all of the eight Station Areas, current supply of parking exceeds current usage of parking by anywhere from 22 to 55 percent.
- 2. In the Alvarado Station Area, projected demand exceeds projected supply in every scenario.
- 3. In the Vermont Station Area, projected supply substantially exceeds projected demand in every scenario.
- 4. In the Normandie Station Area, projected supply exceeds projected demand in all but one scenario (unconstrained demand and 1:1,000 parking requirement) and then only slightly.
- 5. In the Western Station Area, projected unconstrained demand exceeds projected supply, while projected constrained demand consistently falls short of projected supply.
- 6. In the La Brea, Wilshire/Fairfax, Beverly/Fairfax and Universal City Station Area, projected supply exceeds projected demand in every scenario.
- (2) "Unconstrained Demand" Number of parkers attached to a given trip generator.

"Constrained Demand" - Number of parkers who need to be accommodated in a given facility after the use of alternative facilities and TSM programs are considered.

(Source: ULI & Nat'l Parking Assn. (1983) Dimensions of Parking 2nd Edition)

TABLE 1
EXISTING AND PROJECTED TOTAL DEMAND AND SUPPLY OF PARKING
IN METRO RAIL STATION AREAS

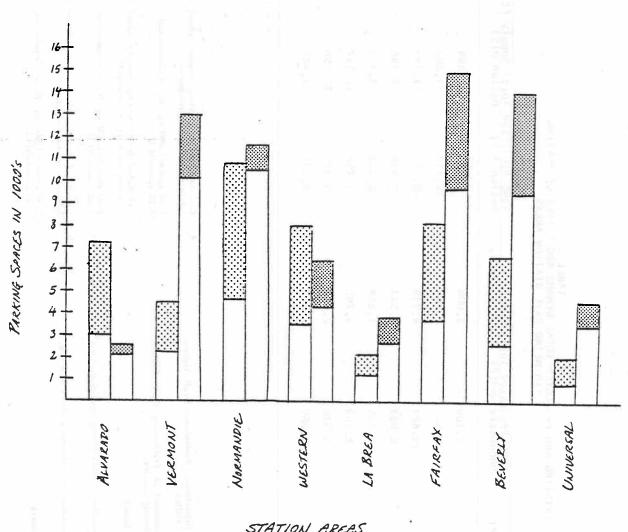
Area	Current Usage(1)	Current Supply(2)	1995 Proje	1995 Projected Total Demand Unconstrained(2) Constrained(3)		oted lotal Supply Option 2(5)	1995 Projected Total Supply (Existing + Additional) Option 1(4) Option 2(5) Option 3(6)
Alvarado 1	1,107	1,724	7,300	3,000	2,159	2,494	2,779
Vermont 6	6,827	8,322	4,511	2,204	10,117	11,608	12,948
Normandie 7	7,703	10,015	10,824	4,730	10,580	11,145	11,695
Western 2	2,202	3,216	8,033	3,533	4,336	5, 396	6,426
LaBrea	1,359	1,705	2,126	1,238	2,768	3,395	3,805
Fairfax 4	4,201	6,367	8, 163	3,745	9,752	12,537	15,022
Beverly 5	5,771	7,192	6,570	2,628	474,6	11,756	14,038
Universal 1	1,914	2,807	2,069	827	3, 393	3,983	4,571

otes	
Ż	

_2	Source: Los Angeles City Planning Department, Preliminary Draft Station Area Development Plans (STARDs)	Calculated from existing supply added to projected supply, using the following parking requirement:
2.	Calculated from projected total development in Preliminary Draft Station Area Development Plans using the following factors:	1.00 space/1,000 sq. ft. of Commercial 1.50 space/D.U.
	2.50 spaces/1,000 sq. ft. GLA (peak hour) 1.75 spaces/D.U.	Calculated from existing supply added to projected supply, using the following parking requirement:
	(Source: ULI & National Parking Association (1983) <u>Dimensions of Parking</u> 2nd Edition)	2.00 spaces/1,000 sq. ft. of Commercial 2.00 spaces/D.U.
	Calculated from projected total development in Preliminary Draft STARDs, using the following factors:	Calculated from existing supply added to projected supply, using the following parking requirement:
	1.00 space/1,000 sq. ft. GLA (peak hour) 1.50 spaces/D.U.	3.00 spaces/1,000 sq. ft. of Commercial 2.00 spaces/D.U.
	(Source: Ibid)	

(Source: Ibid)

CHART / 1995 Projected Total Demand & Supply of Parking in Metro Rail Station Areas



STATION AREAS

Range of Projected Demand

Source: Table 1

Range of Projected Supply

7. In the Vermont, La Brea, Wilshire/Fairfax, Beverly/Fairfax and Universal City station areas, existing supply will accommodate both constrained and unconstrained demand.

Peripheral parking facilities will be most needed at the Alvarado Station Area, according to the findings above. They may also be needed at the Western Station Area. If existing parking supplies in other Station Areas, particularly Normandie, La Brea, and Wilshire/Fairfax, substantially diminish as a result of their replacement by new development, peripheral parking may be needed, and viable, at those stations as well. Supply of parking in the station areas must be at about the same level of demand, or lower, in order for prices and congestion to rise high enough for peripheral parking to be an acceptable alternative.

Peripheral parking spaces needed using Table 1 projections:

Alvarado Station Area - 221 to 5,141	(depending on the level of constraint on demand)
Western Station Area - 1,607 to 3,697	(but only if demand is largely unconstrained; if demand is constrained, 0 spaces will be needed)
Normandie Station Area - 244	(unlikely, unless demand is completely unconstrained)

These figures would increase in direct proportion to the number of parking spaces removed from the market as the result of new development.

Number of parking spaces a Station Area must lose before peripheral parking becomes viable:

Alvarado Station Area -	0
Vermont Station Area -	5,606 to 7,913
Normandie Station Area -	0 to 5,850
Western Station Area -	0 to 803
La Brea Station Area -	642 to 1,530
Wilshire/Fairfax Station Area -	1,589 to 6,007
Beverly/Fairfax Station Area -	2,904 to 6,846
Universal City Station Area -	1,326 to 2,568

Recommendations

- 1. Eliminate additional parking incentives in STARDs and substitute them with peripheral parking policies and programs.
- 2. Plan for a peripheral parking facility to accommodate at least 500 cars, with room for expansion, outside the Alvarado Station area.
- Monitor subtraction and addition of parking spaces and market prices for parking in other Station Areas over time to assess when peripheral parking should be initiated.

4. Require and enforce transportation system management programs on new development in the Station Areas. These programs should reflect a mixture of transit, ridesharing and peripheral parking. Staggered work hours and flex time should be encouraged to move trips out of peak congestion hours.