CITY OF LOS ANGELES DEPARTMENT of TRANSPORTATION



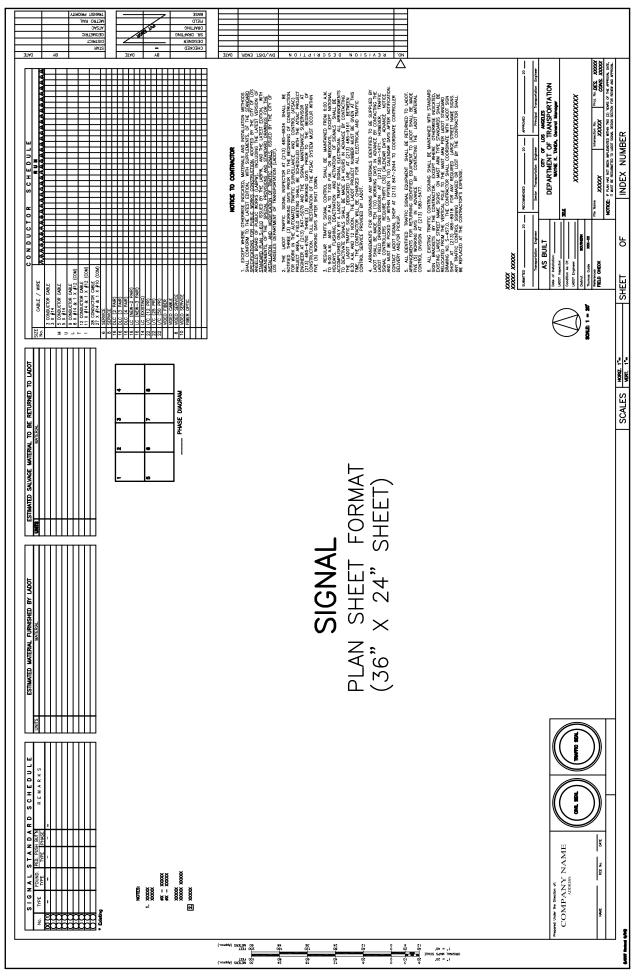
Drafting Standards For Striping & Signal Plans

February 2005

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								_	AB	3TAQ 839U2 3TAQ 89120 3TAQ 1AMOR 3TAQ 3TAQ	BEAZION DESCRIE	BASE OHEOX DESIGN
									- 65	LOS /	STREET - NAME LIMITS	PROJECT NO. DEALWING NO. A-00000 1
									PROJECT TYPE PROJECT LOCATION REVIEWE:	INSTALLATION DATES MARKOUT BEGAN: MARKOUT COMPLETE:-	STRIPING COMPLETED. References: Paid Oracis A-1125 D-22349	S32,EZ EASTVALLEY SHEET -
			RIC	ORMAT	HEET)							SCALES NRT 1- 40
			GEOMETRIC	PLAN SHEET F	(36" X 24" SH							111 (20) 00 00 00 00 00 00 00 00 00 00 00 00 0
										Paper tale to limite of	HAIN Y INAIN) DOG N CO DOG D



PLOTTING - LINE WEIGHT AS PLOTTED

	COLOR	PEN SIGNAL	SIZE GEOMETRIC
#1	RED	.25	.25
#2	YELLOW	.70	.35
#3	GREEN	.50	.50
#4	CYAN	.50	.70
#5	BLUE	.70	.25
#6	MAGENTA	.25	.25
#7	WHITE	.25	.25
#9	GRAY	.25	.25
#30	GOLD	.35	_
#50	(YELLOW LIKE)	.50	_
#100	(GREEN LIKE)	.70	_
#140	(CYAN LIKE)	.35	_

GEOMETRIC LINETYPES					
LINETYPE	NAME	DESCRIPTION			
	2WLTL	TWO WAY LEFT TURN LANE			
	ACREMO	WALL REMOVE			
	BERM	A.C. STREET CURB			
	BIKELN	BIKE LANE			
	CATTRK	CAT TRACKS			
	CL	CENTERLINE			
	ELETRK	ELEPHANT TRACKS			
	EOP	EDGE OF PAVEMENT			
	KRAIL	K-RAIL			
	LANELN	LANE LINE			
	LIMITS	LIMIT OF CONSTRUCTION			
	MATCH	MATCH LINE			
	MDASH	REMOVE SOLID STRIPING LINE			
	R-2WLTL	REMOVE TWO WAY LEFT TURN LANE			
	R-CATTRK	REMOVE CAT TRACKS			
	R-ELETRK	REMOVE ELEPHANT TRACKS			
	R-LANELN	REMOVE LANE LINE			
	R-BIKELN	REMOVE BIKE LANE LINE			

SIGNAL DESIGN LINETYPES NAME **LINETYPE DESCRIPTION** CL **CENTERLINE** SIGCOND EXISTING CONDUIT EXISTING CONDUIT (SHORT DISTANCE) SSIGCOND RSIGCOND REMOVED OR ABANDONED CONDUIT REMOVED CURB & STORM DRAIN HIDDEN2 REMOVE BERM OR EOP REHIDDEN SUBSTRUCTURE SUBSTR RSIGEQ REMOVED SIGNAL EQUIPMENT RIGHT OF WAY RWSTREET RIGHT OF WAY SRW MATCH LINE MATCH REMOVED PROPERTY LINE PHANTOM

	CIVIL	
E	LEMENTS	

GEOMETRIC & SIGNAL LAYER, COLOR, LINETYPE

D(1),
D(1),

S	TR	IPI	IN(3
F	LEI	МF	N ⁻	IS

GEOMETRIC & SIGNAL LAYER, COLOR, LINETYPE

LINETYPE				
PROPOSED	EXISTING	REMOVE		
P-STRP, GREEN(3), CONTINOUS	E-STRP, MAGENTA(6), CONTINOUS	R-REMOVE, RED(1), R-SOLID		
P-STRP, GREEN(3), LANELN	E-STRP, MAGENTA(6), LANELN	R-REMOVE, RED(1), R-LANELN		
P-STRP, GREEN(3), 2WLTL	E-STRP, MAGENTA(6), 2WLTL	R-REMOVE, RED(1), R-2WLTL		
P—STRP, GREEN(3), BIKELN	E-STRP, MAGENTA(6), BIKELN	R-REMOVE, RED(1), R-BIKELN		
P-STRP, GREEN(3), CTTRK	E-STRP, MAGENTA(6), CTTRK	R-REMOVE, RED(1), R-CTTRK		
P—STRP, GREEN(3), ELETRK	E-STRP, MAGENTA(6), ELETRK	R-REMOVE, RED(1), R-ELETRK		
P-STRP, GREEN(3), CONTINOUS	E-STRP, MAGENTA(6), CONTINOUS	R-REMOVE, RED(1), R-SOLID		
	P-STRP, GREEN(3), CONTINOUS P-STRP, GREEN(3), LANELN P-STRP, GREEN(3), 2WLTL P-STRP, GREEN(3), BIKELN P-STRP, GREEN(3), CTTRK P-STRP, GREEN(3), ELETRK P-STRP, GREEN(3),	P-STRP, GREEN(3), CONTINOUS P-STRP, GREEN(3), LANELN P-STRP, GREEN(3), LANELN P-STRP, GREEN(3), 2WLTL P-STRP, GREEN(3), E-STRP, MAGENTA(6), 2WLTL P-STRP, GREEN(3), E-STRP, MAGENTA(6), BIKELN P-STRP, GREEN(3), CTTRK P-STRP, GREEN(3), E-STRP, MAGENTA(6), CTTRK P-STRP, GREEN(3), E-STRP, MAGENTA(6), ELETRK P-STRP, GREEN(3), E-STRP, MAGENTA(6), ELETRK P-STRP, GREEN(3), E-STRP, MAGENTA(6),		

SIGNAL						
SIGNAL	PROPERTIES (LAYER, COLOR, LINETYPE)					
ELEMENTS	PROPOSED	EXISTING	REMOVE			
SIGNAL EQUIPMENT	P-SIGEQ, GREEN CONTINUOUS	E-SIGEQ, 140 CONTINUOUS	R—SIGEQ, RED RSIGEQ			
SIGNAL CIVIL ELEMENT		E-SIGCIVIL, WHITE CONTINUOUS				
SIGNAL CONDUIT	P-SIGCOND, GREEN SIGCOND (>15') & SSIGCOND(<15')	E-SIGCOND, 140 SCOND (>15') AND SSCOND(<15')	R-SIGCOND, RED, RSIGCOND			
SIGNAL TITLE BLOCK		SIGTTLBLK, VARIES VARIES				
SUBSTRUCTURE		SUBSTR, GRAY (9), SUBSTR				

TEXT ELEMENTS	TEXT-PROPERTIES (GEOMETRIC ONL' LAYER, COLOR, STYLE		
	PROPOSED	EXISTING	REMOVE
VARIOUS	B-TEXT, GREEN(3), 36	B-TEXT, WHITE(7), 36	B-TEXT, RED(1), 30
DIMENSION		B-TEXT, YELLOW(50), 40	
MAJOR STREET NAME		B-TEXT, CYAN(4), 66 w/ 20° oblique,	
MINOR STREET NAME		B-TEXT, CYAN(4), 76 w/ 20° oblique,	
MISCELLANEOUS		B-TEXT, WHITE(7), 46	
MISCELLANEOUS		B-TEXT, WHITE(7), 50	
GEOMETRIC DESIGN TITLE BLOCK		FRAME, BYLAYER, VARIOUS	

TEXT FOR GEOMETRIC & SIGNAL PLANS

STYLE	FONT	HEIGHT	WIDTH
		1	
15	ROMANS	1.5'	1
20	ROMANS	2'	1
25	ROMANS	2.5'	1
25s	ROMANS*	2.5'	1
30	ROMANS	3'	1
30s	ROMANS*	3'	1
35	ROMANS	3.5'	1
40	ROMANS	4'	1
45	ROMANS	4.5'	1
80	ROMANS	8'	.20
STAR	ROMANS	1.5'	.85
STANDARD			
			*-15° OBLIQUE

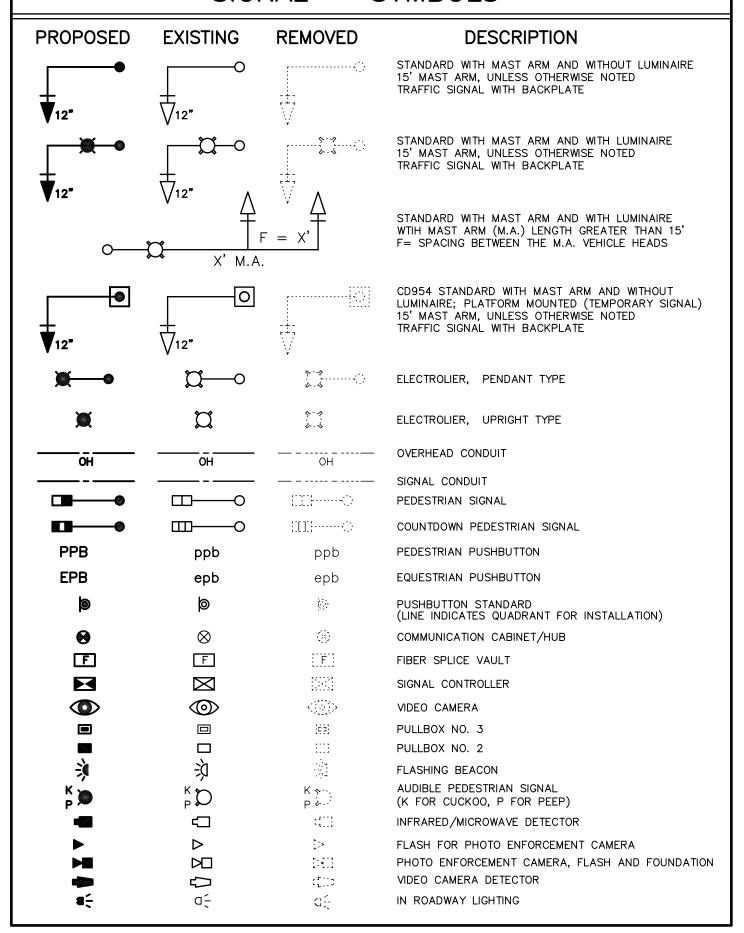
	(GEOMETR	RIC SYMBOLS
	SYMBOL		DESCRIPTION
EXISTING	PROPOSED	REMOVED	DESCRIPTION
þ	þ	þ	SIGN POST
AHEAD	AHEAD	IIIIU DHEDII	
STOP	STOP	SIDD	VARIOUS PAVEMENT MARKING
4	4	7	LEFT TURN ARROW
	•		RIGHT TURN ARROW
	†	^ 4 } !!	THROUGH ARROW
	4		THROUGH AND LEFT ARROWS
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	THROUGH AND RIGHT ARROWS
\$	*	52	MERGE ARROW
	*		LEFT AND RIGHT TURN ARROWS
Û L B	t L B	fir L B	BIKELANE
		r1	RED CURB — NO PARKING MARKING

GEOMETRIC SYMBOLS					
	SYMBOL		DESCRIPTION		
EXISTING	PROPOSED	REMOVED			
		× \	DRIVEWAY		
4	4	4	HANDICAPPED ACCESS RAMP		
S	S	(S)	SIGNALIZED LOCATION		
I	Ī	II.	BARRICADE TYPE-3 WITH SIGN		
Ĭ	Ĭ) (BARRICADE TYPE-2 WITH SIGN		
Ĭ.	∑		FLASHING ARROW BOARD		
		-===0	MAST ARM SIGN POST		
•	•		GENERIC TREE		

SIGNAL - SYMBOLS

PROPOSED	EXISTING	REMOVED	DESCRIPTION
•	0	0	SIGNAL STANDARD
	0	0	TYPE 1 STANDARD, PLATFORM MOUNTED (TEMPORARY SIGNAL)
	The state of the s		TRAFFIC SIGNAL, 2-THREE 8" (200 MM) SECTION HEADS WITH BACKPLATE
12"	12" 🔷 🕂 🔾	12" 🔷	TRAFFIC SIGNAL, THREE 12" SECTIONS WITH BACKPLATE
▲	$\square \triangleleft \!$	$\Box \triangleleft \longmapsto$	TRAFFIC SIGNAL WITH RIGHT OR LEFT BEVELED VISOR WITH BACKPLATE
			TRAFFIC SIGNAL, THREE 8" (200 MM) SECTIONS WITH LONG VISOR AND BACKPLATE
↑ ◄ ! ••	$\uparrow < \downarrow \longleftarrow \circ$	$\uparrow < \downarrow \longleftarrow \circ$	TRAFFIC SIGNAL, FOUR SECTIONS — THREE 8" SECTIONS (R, Y, G) + 12" GREEN ARROW RIGHT OR LEFT ARROW WITH BACKPLATE
12"	∆ 12* < + ○	∆ 12" < \\-O	TRAFFIC SIGNAL, FOUR SECTIONS — THREE 12" SECTIONS (R, Y, G) + 12" GREEN ARROW RIGHT OR LEFT ARROW WITH BACKPLATE
◄	$\triangleleft \downarrow \downarrow \frown$		TRAFFIC SIGNAL, THREE SECTIONS — TWO 8" SECTIONS (R, Y) + 12" GREEN ARROW RIGHT OR LEFT ARROW WITH BACKPLATE (NOT USE IN NEW INSTALLATION)
◆	$\triangleleft \stackrel{\longleftarrow}{ } \circ$		TRAFFIC SIGNAL, THREE SECTIONS — TWO 8" SECTIONS (R, Y) + 12" GREEN UP ARROW WITH BACKPLATE
◄ ♣♣♠			TRAFFIC SIGNAL, THREE SECTIONS — 12" (300 MM) RED, YELLOW AND GREEN ARROWS RIGHT OR LEFT ARROW WITH BACKPLATE
12"	12"<\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12"	TRAFFIC SIGNAL, THREE SECTIONS — TWO 12" SECTIONS (R, Y) + 12" GREEN ARROW RIGHT OR LEFT ARROW WITH BACKPLATE (NOT USE IN NEW INSTALLATION)
↑↑ 	$\bigwedge^{\Lambda\Lambda} < \downarrow \longleftarrow \circ$		TRAFFIC SIGNAL, FIVE SECTIONS — THREE 8" SECTIONS (R, Y, G) + 12" YELLOW & GREEN ARROWS RIGHT OR LEFT ARROW WITH BACKPLATE
112"-	<u> </u>	∆∆ ∏12" < }	TRAFFIC SIGNAL, FIVE SECTIONS — THREE 12" SECTIONS (R, Y, G) + 12" YELLOW AND GREEN ARROWS; CLUSTER HEAD IF ON MAST ARM FOR LEFT TURN PHASE; RIGHT OR LEFT ARROW WITH BACKPLATE
PV 12"	PV 12" — O	PV 12" — O	TRAFFIC SIGNAL, THREE 12" PROGRAMMED VISIBILITY SECTIONS (R, Y, G) WITH BACKPLATE
${f r \atop g} \equiv \longrightarrow$	$rac{R}{Y} \equiv < +-0$	$rac{R}{Y} \equiv rac{R}{Q}$	TRAFFIC SIGNAL WITH LIGHT(S) LOUVERED LETTER INDICATES LIGHT(S) LOUVERED AND BACKPLATE
FL. Y <mark>◀</mark> ┃	FL. Y ——O	FL. Y	TRAFFIC SIGNAL, FLASHING ONE 8" SECTION — Y INDICATES YELLOW LENS WITH BACKPLATE
R/FLR ◀ ┃	R/FLR ── O	R/FLR ← O	TRAFFIC SIGNAL, TWO 8" SECTIONS — R INDICATES STEADY RED, FL. R INDICATES FLASHING RED WITH BACKPLATE (NOT USE IN NEW INSTALLATION)

SIGNAL - SYMBOLS



SIGNAL & CIVIL SYMBOLS

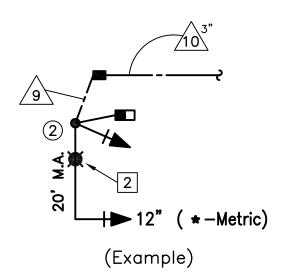
PROPOSED	EXISTING	REMOVED	DESCRIPTION
	\bigcirc		TREE (SHOWING APPROXIMATE OVERHANG)
			PALM TREE
	×	,).().(FENCE
þ	þ	þ	TRAFFIC SIGN & POST
1	1	İ	TRAFFIC SIGN
•	0	0	SIGN POST
•	09	(3)	SERVICE POLE OR POWER POLE
←—•	€	(\$	POWER POLE WITH GUY ANCHOR
ь	ь	eta_{ij}^{T}	FIRE HYDRANT
C.B.	c.b.	c.b.	CATCH BASIN
W		(<u>M</u>);	MANHOLE
			PRESSURE DETECTOR
\bigcirc	\bigcirc		INDUCTIVE LOOP DETECTOR (CIRCULAR OR OCTAGONAL IN SHAPE)
			INDUCTIVE LOOP DETECTOR (TYPE C)
			TRANSIT PRIORITY LOOP
		, <u>, , , , , , , , , , , , , , , , , , </u>	OPTICAL DETECTOR (OPTICON)
M	W		SPREAD SPECTRUM RADIO
~	蹈	28	STREET LIGHTING PULLBOX
		<u> </u>	METER (G=GAS & W=WATER)
	❷	⊗	VALVE (G=GAS & W=WATER)
	Θ	(-)	MAIL BOX
	모	52	NEWS RACK

SIGNAL - DIMENSIONS, NOMENCLATURE, MISC.

DIMENSION STYLE:

ARROW SIZE	3'
BASE LINE SPACING	7'
EXTEND BEYOND DIM LINE	2'
OFFSET FROM ORIGIN	2'
TICK SIZE	1'
TEXT STYLE	20
TEXT HEIGHT	2'
OFFSET FROM DIM LINE	1'

- POLE LOCATION CALL—OUT X is Pole Location Number
- X NOTE CALL—OUT
 X is Note Callout Number
- Y CONDUCTOR CALL-OUT
 X is Conductor Run Number
 Y Conduit size



NOTES: (Example)

- SEMI-ACTUATED OPERATION (ATSAC 2070 CONTROLLER IN 332 CABINET)
 Ø2 WILSHIRE BLVD.
 Ø4 OXFORD AVE.
 WILSHIRE SYSTEM
 DIRECT WIRE INTERCONNECT
- 2 SEE STREET LIGHTING SHEET FOR WORK ON STREET LIGHTING FACILITIES.

