SAN FRANCISCO

DPT

DEPARTMENT OF PARKING & TRAFFIC

Traffic Engineering Division
City and County of San Francisco

FRANK M. JORDAN, Mayor
JOHN E. NEWLIN, Executive Director

MEMORANDUM

TO: All Engineers/Planners

THROUGH: Bond M. Yee

FROM: David O'Keeffe

DATE: January 13, 1995

RE: Market Street Traffic Signal Inventory Diagrams

Please note when updating traffic signal inventory diagrams for many locations along Market Street, that the numbering system for signal head indications does not conform with the standard numbering procedure. In many cases the Market Street phase is designated as $\phi 0$ and $\phi 1$. **As a result, whenever you are updating an inventory diagram along Market Street, please use the regular numbering system (generally $\phi 2$ for eastbound and $\phi 6$ for westbound Market Street).** Your cooperation with this request will be appreciated.

cc: Inventory Binders

Pedestrian Signal Face:

Legend

    W/W   = WALK/WAIT
    W/DW   = WALK/DONT WALK
    I   =   International (SYMBOLS)

Message Element

    B.T.   = Neon, bent tube
    GRD   = Neon grid
    IS-I   = Incandescent (1 section)
    2S-I   = Incandescent (2 section)

Color

    G = Green
    R = Red
    WH = White
    OR = Orange

    Note: All IS-I signals are DONT/WALK (orange) and
          WALK (white)

Make

    CH = Crouse-Hinds
    ES = Econolite (sand-cast housing)
    ED = Econolite (die-cast housing)
    WM = Winko-matic
    A-I = A-I
    SE = Sesco
    ICC = Indicator Controls

Mount

    S = Side of pole
    T = Top of pole

Controller Cabinet:

    Ordinary - Includes the slightly larger old-style
               Eagle and General Electric cabinets.

    Large   - M cabinet, G cabinet, etc.

Codes used in the tables are:

Poles:

Pole function (primary)

        L = lighting, street
        M = Muni
        S = Signal
        U = Utility (PG&E telephone)

Pole material

        C = concrete
        O = ornamental steel
        S = steel (or aluminum)
        W = wood

Vehicle Signal Face:

Make

        CH = Crouse-Hinds
        EO = Eagle, obsolete (vertical rods)
        EA = Eagle, adequate
        GO = General Electric (obsolete. Round knurled nut on
            door latch)
        GA = General Electric, adequate
        EC = Econolite
        AU = Automatic signal
        SINGER =
        MAR = Marbelite
        PV = Programmed visibility (3M)
        NI = Not identified

Visor
        C   = Cap
        FC = Full Circle
        T   = Tunnel
        8"   = 8-inch length
        12" = 12-inch length
        B.P.= backplate

Mount
        A = Mastarm
        S = Side of pole
        T = Top of pole

Signal Face Code Number:

An all-digit code was selected, rather than a letter-digit code for simplicity and for possible later use in a data processing system. (Any signal face can be identified by a one byte word).

The first digit relates to the direction of traffic flow.

The second digit relates to the position of the signal face in the intersection.

First digit is based on NEMA Publication No. TS-I. Dual ring designation is used to permit individual designation of signals for opposing traffic moving concurrently. It also permits flexibility for later phase splitting, left-turn phases, etc: In general terms, Phase A is "2 plus 6" and Phase B is "4 plus 8." Further details are shown on the attached drawings.

For unusual applications, first digits 9 and 0 may be used.

Second digits are assigned as follows.

        1 = Far right
        2 = Far left
        3 = Median
        4 = Mast-arm (except Market Street)
        5 = Near right
        6 = Near left
        7 = Other
        8 = Pedestrian signal under Vehicle Signal #1
        9 = Pedestrian signal at end of crosswalk opposite
            Signal #8
        0 = Pedestrian signal or signals in median between
            Signals #8 and #9

These two-digit numbers are not necessarily the same as similar numbers previously assigned. The numbers used in this inventory supersede earlier assigned ones.

Phase 2 designations corresponding to existing Phase A
designations were assigned as follows:

1. Signalized intersections north of Portola Drive-Market Street:

    From south (San Mateo County) to north (Golden Gate):

    Franklin
    Gough
    Van Ness
    Columbus
    Park Presidio
    19th Avenue-Crossover Drive
    Sunset Blvd.
    Great Highway
    7th Avenue
    8th Avenue
    9th Avenue
    Stanyan (south of John F. Kennedy)
    Clayton @ Twin Peaks; @ 17th St.
    Dewey-Laguna Honda

    From west (ocean) to east (bay)

    All other Streets, Including:

    Lincoln Way
    Sloat Blvd.
    Fulton
    Geary
    Clement
    California
    Oak
    Fell
    Lombard
    Bay
    Alemany @ Brotherhood only
    Brotherhood @ Arch

2. Signalized intersections on Portola Drive-Market Street

    From west (St. Francis Circle) to east (Ferry Bldg.)

3. Signalized intersections in the Mission District (north of
    Army St., south of 13th St.-Duboce Ave.)

    From south to north

4. Signalized intersections in the South of Market district

    From 13th St. to The Embarcadero

5. Signalized intersections not listed above:

South to north

    Lake Merced Blvd.
    19th Ave.
    Junipero Serra
    Alemany
    San Jose
    Mission (south of Army St.)
    Bayshore
    3rd St. (south of China Basin)
    Potrero

West to east

    Ocean (Aptos thru Howth)
    Monterey
    Bosworth
    Silver (@ Cambridge; @ San Bruno)
    Geneva, east of Mission
    Army
    Duboce-13th St.