2-11 BRIDGE NUMBERING SYSTEM

Revision: **Bridge Numbering System Clarification**

The Bridge Numbering system is used for identification of bridges and other structures under the jurisdiction of the Department of Transportation, or for structures for which we provide maintenance review or have record responsibilities. Bridge numbers are assigned by Structure Maintenance.

General

The bridge number consists of four parts:

1. County Identification Field —

   This is a number from 01 thru 58 designating the County the structure is in.

2. County Number Suffix —

   This is an alpha character that follows the County number, when applicable, indicating ownership or type; *e.g.*, 24PXXXX, a State Park bridge in Sacramento County; 53RXXXXR, a Safety Roadside Rest in Los Angeles County; 02MXXXX, a Maintenance facility in Siskiyou County. For State bridges, leave the space "blank."

3. Bridge Number Field —

   The number of the bridge is one to four digits assigned to each structure or set of structures. Non-bridge facilities (buildings, toll plazas, etc.) have a number following the alpha character which indicates the type of building, as well as the number of the facility (*i.e.*, 24M5802, the 24 is Sacramento County; the M indicates a maintenance facility; the 58 designates it as a Landscape Station; and the 02 is the number of the facility).

4. Suffix Field —

   The last digit is also an alpha character, when used, to code which structure in a set, or to identify Drainage Pumping Plants (W) or a structure or grade crossing, State-owned and maintained, not on main highway (Y); i.e., 24 0296R, a right bridge of a pair in Sacramento County; or 24 0146W, a pumping plant in Sacramento County.

Memo converted to metric.

Miscellaneous Structures

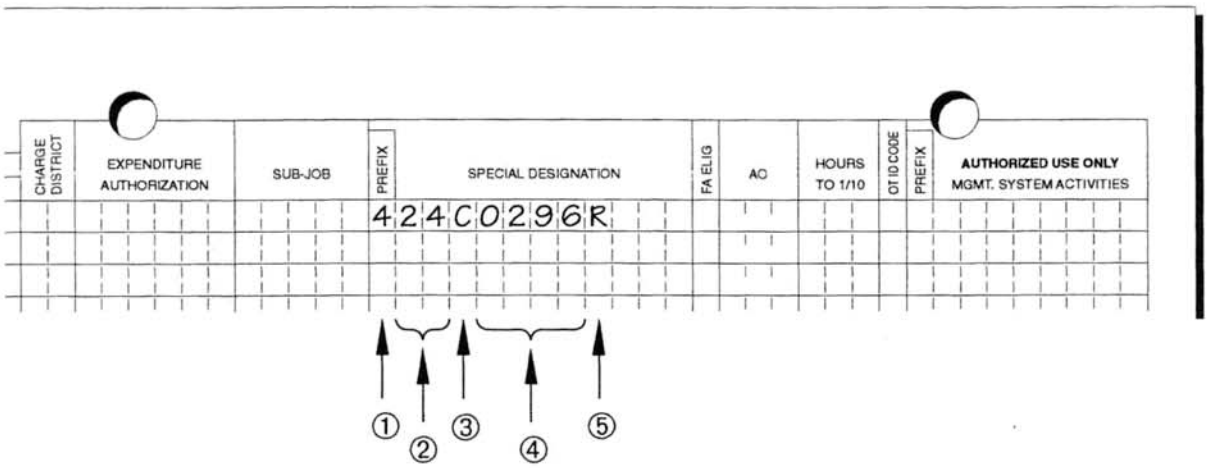
Bridge numbers for miscellaneous structures such as sound walls, retaining walls, and culverts (with span less than "bridge size") are usually fictitious numbers assigned to facilitate accessing the computerized Structures Status of Projects. These fictitious numbers are recognized by the two alphabetical prefixes preceding the structure number in the bridge number field. These "bridge numbers" are not to be shown on the plans. They are only to be used for computer documents such as the Status and Time Sheets, *i.e.*, 24-SW39 is a sound wall in Sacramento County.

If a miscellaneous structure is of major importance, or unusual, or requires a regular maintenance inspection, Structures Maintenance will assign a non-fictitious bridge number. This number, then, must be shown on the plans as well as all other documents.

When design work on an existing structure is proposed by the District and the structure is less than 6.1 meters long, the current Log of Bridges on State Highways should be checked to see if the structure is still an official part of the bridge inventory. If it is not, then the use of a bridge number is not appropriate. Since 1985, the use of bridge numbers on approximately 1,100 of these structures has been discontinued as they do not fit the description of a bridge as defined in Federal regulations. If there are questions check with Structure Maintenance.

Time Sheet

Bridge Numbers are used in the Special Designation field of time sheets and some other accounting documents. This field has twelve spaces:



① Always enter a "4" when using a "bridge" number.

② County prefix (*i.e.*, 01, 02). (Appendix A)

③ County suffix, when applicable (*i.e.*, M, T, R, etc.). For State bridges, leave the space "blank." (Appendix B)

④ Bridge number. One to four numeric digits when used for a bridge number. Always precede less than four numeric bridge numbers with zeros. For buildings the first two digits are numeric (see Appendix C) and third and fourth digits are the structure number. Do not use for non-bridge facilities.

⑤ Last digit is an alpha character, when used. (Appendix D)

Appendix A

Alameda	Ala	33	Orange	Ora	55
Alpine	Alp	31	Placer	Pla	19
Amador	Ama	26	Plumas	Plu	09
Butte	But	12	Riverside	Riv	56
Calaveras	Cal	30	Sacramento	Sac	24
Colusa	Col	15	San Benito	SBt	43
Contra Costa	CC	28	San Bernardino	SBd	54
Del Norte	DN	01	San Diego	SD	57
El Dorado	ED	25	San Francisco	SF	34
Fresno	Fre	42	San Joaquin	SJ	29
Glenn	Gle	11	San Luis Obispo	SLO	49
Humboldt	Hum	04	San Mateo	SM	35
Imperial	Imp	58	Santa Barbara	SB	51
Inyo	Iny	48	Santa Clara	SCl	37
Kern	Ker	50	Santa Cruz	SCr	36
Kings	Kin	45	Shasta	Sha	06
Lake	Lak	14	Sierra	Sie	13
Lassen	Las	07	Siskiyou	Sis	02
Los Angeles	LA	53	Solano	Sol	23
Madera	Mad	41	Sonoma	Son	20
Marin	Mrn	27	Stanislaus	Sta	38
Mariposa	Mpa	40	Sutter	Sut	18
Mendocino	Men	10	Tehama	Teh	08
Merced	Mer	39	Trinity	Tri	05
Modoc	Mod	03	Tulare	Tul	46
Mono	Mno	47	Tuolumne	Tuo	32
Monterey	Mon	44	Ventura	Ven	52
Napa	Nap	21	Yolo	Yol	22
Nevada	Nev	17	Yuba	Yub	16

Appendix B

I – Institution bridges
C – City or County bridges
M – Maintenance Station, H.Q. or District Building
F – State Forestry bridges
R – Roadside Rest
P – State Park bridges
T – Toll Plaza and Toll Plaza Administration Buildings
X – Transit Facilities/Park and Ride
W – Weigh Station and/or Inspection Facility
S – Overhead sign structures
U – U.S. Government bridges

Appendix C

55 – Represents all buildings other than landscaping and maintenance buildings, *i.e.*, district offices, H.Q. Lab
57 – Maintenance Station, Toll Plaza, Toll Plaza Administration Buildings
58 – Landscape Station

Appendix D

J – Outer outer left (one-way traffic)
K – Left outer highway structure (one-way traffic)
L – Left structure or left inner structure (one-way traffic)
C – Center structure (one-way traffic, to or from non-State Highway)
R – Right structure or right inner structure (one-way traffic)
S – Right outer highway structure (one-way traffic)
T – Outer outer right (one-way traffic)
Y – Structure or grade crossing, State-owned and maintained, not on main highway. May be closed.
W – Drainage pumping plant
E – Two-way connector
F – One-way connector enter from left roadbed
G – One-way connector enter from right roadbed
H – One-way connector enter from left and right roadbeds
M – Buried hazard or miscellaneous structure
Z – Structure on State property:
1. Provides access *only* to private property; or
2. Bridge closed with no vehicular access.

Even though an "R" and an "L" bridge may be presented on the same set of plans, they are distinct bridges and timesheet entries should include a record for each. Combining the "R" and "L" in any fashion is not acceptable for any record that enters the accounting system.

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RWS:jlw