The following are IRRS routes where the entire route is designated as IRRS:

- Route 1
- Route 5
- Route 6
- Route 7
- Route 8
- Route 12
- Route 14
- Route 15
- Route 20
- Route 28
- Route 29
- Route 40
- Route 50
- Route 53
- Route 62
- Route 68
- Route 74
- Route 78
- Route 80
- Route 88
- Route 89
- Route 97
- Route 101
- Route 127
- Route 128
- Route 149
- Route 154
- Route 188
- Route 199
- Route 203
- Route 205
- Route 207
- Route 215
- Route 243
- Route 267
- Route 371
- Route 395
- Route 505
- Route 580
- Route 680

The following are IRRS routes where a partial route segment:

- Route 2 - between the north urban limits of Los Angeles-Long Beach and Route 138
- Route 4 - between the east urban limits of Antioch-Pittsburg and Route 89
- Route 9 - between the north urban limits of Santa Cruz and the south urban limits of San Jose
- Route 10 - between the east urban limits of San Bernardino-Riverside and the Arizona state line
- Route 16 - between the east urban limits of Sacramento and Route 49
- Route 17 - between the north urban limits of Santa Cruz and the south urban limits of San Jose
- Route 18 - between the north urban limits of San Bernardino-Riverside and Route 138
- Route 25 - between Route 146 and Route 101 in San Benito County
- Route 36 - between Route 5 and Route 395
- Route 37 - between the east urban limits of San Francisco-Oakland near Novato and the west urban limits of San Francisco-Oakland near Vallejo
- Route 38 - between the east urban limits of San Bernardino-Riverside and Route 18 west of Big Bear Lake
- Route 41 - between Route 1 and Yosemite National Park
- Route 44 - between the east urban limits of Redding and Route 36
- Route 46 - between Route 1 and Route 99
- Route 49 - between Route 41 and Route 89
- Route 58 - between Route 5 and Route 15
- Route 63 - between the north urban limits of Visalia and Route 180
- Route 65 - between the north urban limits of Bakersfield and Route 198 near Exeter, and between Route 80 and Route 99 near Yuba City
- Route 70 - between Route 99 north of Sacramento and Route 395
- Route 79 - between Route 8 and Route 10
- Route 86 - between Route 111 in Brawley and Route 10
- Route 94 - except within the urban limits of the County of San Diego
- Route 95 - between Route 10 and the Nevada state line
Route 98 - between Route 111 and Route 7
Route 99 - with routing to be determined via Route 70 or via Route 99 between Route 70 north of Sacramento and Route 149 north of Oroville
Route 108 - between Route 120 at Yosemite Junction and Route 395
Route 111 - between the Mexico border near Calexico and Route 10 near Whitewater
Route 113 - between Route 80 and Route 5
Route 116 - between Route 1 and Route 12
Route 120 - between Route 5 and Route 395
Route 126 - between the east urban limits of Oxnard-Ventura-Thousand Oaks and Route 5
Route 129 - between Route 1 and Route 101
Route 132 - west of Route 99
Route 138 - between Route 5 and Route 18
Route 139 - between Route 299 and the Oregon state line
Route 140 - between the east urban limits of Merced and Yosemite National Park
Route 146 - between Route 101 and Pinnacles National Monument
Route 152 - between Route 101 and Route 99
Route 156 - between Route 1 and Route 152
Route 160 - between the north urban limits of Antioch-Pittsburg and the south urban limits of Sacramento
Route 168 - between the east urban limits of Fresno and Route 168 at Florence Lake Road, and between Route 168 near Lake Sabrina and Route 395
Route 178 - between the east urban limits of Bakersfield and Route 14
Route 180 - between the east urban limits of Fresno and Kings Canyon National Park
Route 190 - between Route 65 and Route 127
Route 198 - between Route 5 and the Sequoia National Park
Route 299 - between Route 101 and Route 89, and between Route 139 and Route 395
Route 330 - between the north urban limits of San Bernardino-Riverside and Route 18
Route 905 - except within the urban limits of San Diego