

**DIRECT ON SITE EMPLOYMENT RATES ON FEDERAL-AID HIGHWAY CONSTRUCTION PROJECTS 1/  
1980 - 1997**

OCTOBER 1998

TABLE PT-6

| YEAR 2/ | FINAL<br>CONSTRUCTION<br>COSTS<br>(MILLIONS OF DOLLARS) | TOTAL LABOR<br>HOURS<br>(THOUSANDS) 3/ | LABOR<br>HOURS PER<br>MILLION<br>DOLLARS | NUMBER<br>OF JOBS 4/ | NUMBER OF<br>JOBS PER<br>MILLION<br>DOLLARS | GROSS LABOR<br>EARNINGS<br>(MILLIONS OF<br>DOLLARS) | COST PER<br>LABOR<br>HOUR<br>(DOLLARS) |
|---------|---------------------------------------------------------|----------------------------------------|------------------------------------------|----------------------|---------------------------------------------|-----------------------------------------------------|----------------------------------------|
| 1980    | 3,599                                                   | 91,990                                 | 25,562                                   | 57,494               | 16                                          | 751                                                 | 8.17                                   |
| 1981    | 6,171                                                   | 133,708                                | 21,667                                   | 83,568               | 14                                          | 1,221                                               | 9.13                                   |
| 1982    | 6,561                                                   | 133,331                                | 20,322                                   | 83,332               | 13                                          | 1,269                                               | 9.52                                   |
| 1983    | 5,433                                                   | 107,169                                | 19,726                                   | 66,981               | 12                                          | 1,101                                               | 10.28                                  |
| 1984    | 5,361                                                   | 92,691                                 | 17,291                                   | 57,932               | 11                                          | 1,057                                               | 11.40                                  |
| 1985    | 5,168                                                   | 84,371                                 | 16,327                                   | 52,732               | 10                                          | 998                                                 | 11.83                                  |
| 1986    | 6,369                                                   | 102,216                                | 16,048                                   | 63,885               | 10                                          | 1,267                                               | 12.40                                  |
| 1987    | 6,226                                                   | 98,152                                 | 15,764                                   | 61,345               | 10                                          | 1,285                                               | 13.09                                  |
| 1988    | 5,847                                                   | 92,830                                 | 15,878                                   | 58,019               | 10                                          | 1,285                                               | 13.84                                  |
| 1989    | 7,785                                                   | 123,083                                | 15,810                                   | 76,927               | 10                                          | 1,633                                               | 13.27                                  |
| 1990    | 7,243                                                   | 106,037                                | 14,640                                   | 66,273               | 9                                           | 1,526                                               | 14.39                                  |
| 1991    | 8,062                                                   | 116,983                                | 14,510                                   | 73,114               | 9                                           | 1,671                                               | 14.29                                  |
| 1992    | 6,940                                                   | 95,523                                 | 13,764                                   | 59,702               | 9                                           | 1,492                                               | 15.62                                  |
| 1993    | 7,524                                                   | 98,850                                 | 13,138                                   | 61,781               | 8                                           | 1,547                                               | 15.65                                  |
| 1994    | 6,418                                                   | 81,272                                 | 12,663                                   | 50,795               | 8                                           | 1,281                                               | 15.76                                  |
| 1995    | 7,267                                                   | 88,850                                 | 12,227                                   | 55,531               | 8                                           | 1,459                                               | 16.42                                  |
| 1996    | 6,951                                                   | 81,233                                 | 11,687                                   | 50,771               | 7                                           | 1,350                                               | 16.62                                  |
| 1997    | 4,875                                                   | 52,302                                 | 10,729                                   | 32,689               | 7                                           | 1,004                                               | 19.20                                  |

1/ Data comes from reports submitted by contractors to the Federal-aid Division in the Office of Engineering upon completion of projects costing at least \$1 million. Prior to ISTEA, data were not collected for projects on the Federal-aid secondary (FAS) system or off the Federal-aid systems. Since ISTEA, only NHS data are collected.

2/ The year shown is the year FHWA received the report of the completed project.

3/ Labor hours shown are for "on-site" work only, and do not include off-site work at materials plants, suppliers, office staff, management, etc.

4/ Number of jobs equals total hours divided by 1600.