

Wood Crosstie Insertions in the United States

| <u>Year</u> |  | <u>Maintenance and Construction</u>              |  |                       |  |                     | <u>Class 1 Railroads Total # Pcs US</u> |  |  |                 |  |  |  |  |  |  |  |
|-------------|--|--------------------------------------------------|--|-----------------------|--|---------------------|-----------------------------------------|--|--|-----------------|--|--|--|--|--|--|--|
|             |  | <u># Pcs</u>                                     |  | <u># Pcs</u>          |  |                     |                                         |  |  | <u>Wood</u>     |  |  |  |  |  |  |  |
|             |  | <u>Treated Wood</u>                              |  | <u>Untreated Wood</u> |  |                     |                                         |  |  |                 |  |  |  |  |  |  |  |
| 1921        |  | 36,071,989                                       |  | 49,238,665            |  |                     |                                         |  |  | 85,310,654      |  |  |  |  |  |  |  |
| 1922        |  | 40,629,943                                       |  | 45,212,085            |  |                     |                                         |  |  | 85,842,028      |  |  |  |  |  |  |  |
| 1923        |  | 41,655,616                                       |  | 42,072,140            |  |                     |                                         |  |  | 83,727,756      |  |  |  |  |  |  |  |
| 1924        |  | 44,489,687                                       |  | 38,317,244            |  |                     |                                         |  |  | 82,806,931      |  |  |  |  |  |  |  |
| 1925        |  | 50,089,966                                       |  | 32,623,486            |  |                     |                                         |  |  | 82,713,452      |  |  |  |  |  |  |  |
| 1926        |  | 55,557,706                                       |  | 25,184,662            |  |                     |                                         |  |  | 80,742,368      |  |  |  |  |  |  |  |
| 1927        |  | 57,082,993                                       |  | 21,240,053            |  |                     |                                         |  |  | 78,323,046      |  |  |  |  |  |  |  |
| 1928        |  | 59,157,540                                       |  | 18,191,677            |  |                     |                                         |  |  | 77,349,217      |  |  |  |  |  |  |  |
| 1929        |  | 59,047,380                                       |  | 15,614,898            |  |                     |                                         |  |  | 74,662,278      |  |  |  |  |  |  |  |
| 1930        |  | 49,720,080                                       |  | 13,618,718            |  |                     |                                         |  |  | 63,338,798      |  |  |  |  |  |  |  |
| 1931        |  | 39,827,791                                       |  | 11,658,836            |  |                     |                                         |  |  | 51,486,627      |  |  |  |  |  |  |  |
| 1932        |  | 39,827,791                                       |  | 9,740,686             |  |                     |                                         |  |  | 49,568,477      |  |  |  |  |  |  |  |
| 1933        |  | 26,339,516                                       |  | 10,947,221            |  |                     |                                         |  |  | 37,286,737      |  |  |  |  |  |  |  |
| 1934        |  | 31,808,339                                       |  | 11,471,548            |  |                     |                                         |  |  | 43,279,887      |  |  |  |  |  |  |  |
| 1935        |  | 33,281,314                                       |  | 11,028,740            |  |                     |                                         |  |  | 44,310,054      |  |  |  |  |  |  |  |
| 1936        |  | 36,771,977                                       |  | 10,572,700            |  |                     |                                         |  |  | 47,344,677      |  |  |  |  |  |  |  |
| 1937        |  | 38,074,542                                       |  | 9,638,791             |  |                     |                                         |  |  | 47,713,333      |  |  |  |  |  |  |  |
| 1938        |  | 33,763,225                                       |  | 7,599,601             |  |                     |                                         |  |  | 41,362,826      |  |  |  |  |  |  |  |
| 1939        |  | 38,560,767                                       |  | 6,520,855             |  |                     |                                         |  |  | 45,081,622      |  |  |  |  |  |  |  |
| 1940        |  | 37,294,505                                       |  | 6,325,583             |  |                     |                                         |  |  | 43,620,088      |  |  |  |  |  |  |  |
| 1941        |  | 41,461,514                                       |  | 5,762,542             |  |                     |                                         |  |  | 47,224,056      |  |  |  |  |  |  |  |
| 1942        |  | 43,998,249                                       |  | 4,617,774             |  |                     |                                         |  |  | 48,616,023      |  |  |  |  |  |  |  |
| 1943        |  | 41,530,190                                       |  | 3,908,953             |  |                     |                                         |  |  | 45,439,143      |  |  |  |  |  |  |  |
| 1944        |  | 44,896,765                                       |  | 3,133,803             |  |                     |                                         |  |  | 48,030,568      |  |  |  |  |  |  |  |
| 1945        |  | 41,283,127                                       |  | 2,628,567             |  |                     |                                         |  |  | 43,911,694      |  |  |  |  |  |  |  |
| 1946        |  | 35,429,179                                       |  | 2,132,725             |  |                     |                                         |  |  | 37,561,904      |  |  |  |  |  |  |  |
| 1947        |  | 35,306,588                                       |  | 1,982,329             |  |                     |                                         |  |  | 37,288,917      |  |  |  |  |  |  |  |
| 1948        |  | 35,023,897                                       |  | 1,817,734             |  |                     |                                         |  |  | 36,841,631      |  |  |  |  |  |  |  |
| 1949        |  | 28,875,256                                       |  | 1,409,577             |  |                     |                                         |  |  | 30,284,833      |  |  |  |  |  |  |  |
| 1950        |  | 29,339,992                                       |  | 1,153,572             |  |                     |                                         |  |  | 30,493,564      |  |  |  |  |  |  |  |
| 1951        |  | 27,937,644                                       |  | 1,123,779             |  |                     |                                         |  |  | 29,061,423      |  |  |  |  |  |  |  |
| 1952        |  | 29,517,264                                       |  | 814,597               |  |                     |                                         |  |  | 30,331,861      |  |  |  |  |  |  |  |
| 1953        |  | 28,909,872                                       |  | 898,597               |  |                     |                                         |  |  | 29,808,469      |  |  |  |  |  |  |  |
|             |  |                                                  |  |                       |  |                     |                                         |  |  |                 |  |  |  |  |  |  |  |
| <u>Year</u> |  | <u>Maintenance (inc. construction thru 1961)</u> |  |                       |  | <u>Construction</u> |                                         |  |  | <u>Total US</u> |  |  |  |  |  |  |  |
|             |  | <u>Treated</u>                                   |  | <u>Untreated</u>      |  |                     |                                         |  |  |                 |  |  |  |  |  |  |  |

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|             |  |                    |               |                |  |                     |                   |                |  |                 |                       |                 |                       |  |  |  |
|-------------|--|--------------------|---------------|----------------|--|---------------------|-------------------|----------------|--|-----------------|-----------------------|-----------------|-----------------------|--|--|--|
| 1954        |  | 22,382,850         |               | 790,761        |  |                     | Class 1 Railroads |                |  | 23,173,611      |                       |                 |                       |  |  |  |
| 1955        |  | 23,729,865         |               | 419,280        |  |                     |                   |                |  | 24,149,145      |                       |                 |                       |  |  |  |
| 1956        |  | 23,361,156         |               | 285,176        |  |                     |                   |                |  | 23,646,332      |                       |                 |                       |  |  |  |
| 1957        |  | 21,919,645         |               | 162,610        |  |                     |                   |                |  | 22,082,255      |                       |                 |                       |  |  |  |
| 1958        |  | 15,852,045         |               | 177,513        |  |                     |                   |                |  | 16,029,558      |                       |                 |                       |  |  |  |
| 1959        |  | 16,311,010         |               | 112,277        |  |                     |                   |                |  | 16,423,287      |                       |                 |                       |  |  |  |
| 1960        |  | 14,236,671         |               | 81,952         |  |                     |                   |                |  | 14,318,623      |                       |                 |                       |  |  |  |
| 1961        |  | 11,970,480         |               | 48,275         |  |                     |                   |                |  | 12,018,755      |                       |                 |                       |  |  |  |
| 1962        |  | 13,374,881         |               | 51,706         |  | 1,775,855           |                   |                |  | 15,202,442      |                       |                 |                       |  |  |  |
| 1963        |  | 13,600,796         |               | 66,183         |  | 1,445,761           |                   |                |  | 15,112,740      |                       |                 |                       |  |  |  |
| 1964        |  | 14,738,013         |               |                |  | 1,803,770           |                   |                |  | 16,541,783      |                       |                 |                       |  |  |  |
| 1965        |  | 14,755,342         |               |                |  | 2,143,837           |                   |                |  | 16,899,179      |                       |                 |                       |  |  |  |
| 1966        |  | 15,290,109         |               |                |  | 2,162,327           |                   |                |  | 17,452,436      |                       |                 |                       |  |  |  |
| 1967        |  | 15,047,019         |               |                |  | 2,306,700           |                   |                |  | 17,353,719      |                       |                 |                       |  |  |  |
| 1968        |  | 16,993,594         |               |                |  | 1,856,601           |                   |                |  | 18,850,195      |                       |                 |                       |  |  |  |
| 1969        |  | 17,342,935         |               |                |  | 2,590,005           |                   |                |  | 19,932,940      |                       |                 |                       |  |  |  |
| 1970        |  | 18,078,578         |               |                |  | 1,424,862           |                   |                |  | 19,503,440      |                       |                 |                       |  |  |  |
| 1971        |  | 21,517,866         |               |                |  | 1,044,416           |                   |                |  | 22,562,282      |                       |                 |                       |  |  |  |
| 1972        |  | 20,934,491         |               |                |  | 1,269,648           |                   |                |  | 22,204,139      |                       |                 |                       |  |  |  |
| 1973        |  | 18,656,468         |               |                |  | 1,186,240           |                   |                |  | 19,842,708      |                       |                 |                       |  |  |  |
| 1974        |  | 19,460,452         |               |                |  | 1,630,428           |                   |                |  | 21,090,880      |                       |                 |                       |  |  |  |
| 1975        |  | 19,393,409         |               |                |  | 1,046,721           |                   |                |  | 20,440,130      |                       |                 |                       |  |  |  |
| 1976        |  | 24,790,337         |               |                |  |                     |                   |                |  | 24,790,337      |                       |                 |                       |  |  |  |
| 1977        |  | 25,363,218         |               |                |  |                     |                   |                |  | 25,363,218      |                       |                 |                       |  |  |  |
| 1978        |  | 25,033,738         |               |                |  |                     |                   |                |  | 25,033,738      |                       |                 |                       |  |  |  |
| 1979        |  | 24,282,740         |               |                |  |                     |                   |                |  | 24,282,740      |                       |                 |                       |  |  |  |
| 1980        |  | 23,691,171         |               |                |  |                     |                   |                |  | 23,691,171      |                       |                 |                       |  |  |  |
| 1981        |  | 23,672,532         |               |                |  |                     |                   |                |  | 23,672,532      |                       |                 |                       |  |  |  |
| 1982        |  | 18,522,737         |               |                |  |                     |                   |                |  | 18,522,737      |                       |                 |                       |  |  |  |
| 1983        |  | 19,669,768         |               |                |  |                     |                   |                |  | 19,669,768      |                       |                 |                       |  |  |  |
| 1984        |  | 21,407,915         |               |                |  |                     |                   |                |  | 21,407,915      |                       |                 |                       |  |  |  |
| 1985        |  | 19,423,207         |               |                |  |                     |                   |                |  | 19,423,207      |                       |                 |                       |  |  |  |
| 1986        |  | 16,536,819         | 1,000,892     |                |  |                     |                   |                |  | 17,537,711      |                       |                 |                       |  |  |  |
| 1987        |  | 12,962,362         | 1,317,347     |                |  |                     |                   |                |  | 14,279,709      |                       |                 |                       |  |  |  |
|             |  |                    |               |                |  |                     |                   |                |  |                 |                       |                 |                       |  |  |  |
| <u>Year</u> |  | <u>Maintenance</u> |               |                |  | <u>Construction</u> |                   |                |  | <u>Total</u>    |                       |                 |                       |  |  |  |
|             |  |                    |               |                |  |                     |                   |                |  |                 |                       |                 |                       |  |  |  |
|             |  | <u>New</u>         | <u>Second</u> | <u>Switch/</u> |  | <u>New</u>          | <u>Second</u>     | <u>Switch/</u> |  | <u>Total US</u> | <u>Total</u>          | <u>Canadian</u> | <u>Total US &amp;</u> |  |  |  |
|             |  | <u>Treated</u>     | <u>Hand</u>   | <u>Bridge</u>  |  | <u>Treated</u>      | <u>Hand</u>       | <u>Bridge</u>  |  | <u>Ties</u>     | <u>Switch/Bridge</u>  | <u>installs</u> | <u>Ties</u>           |  |  |  |
|             |  |                    |               |                |  |                     |                   |                |  |                 | <u>Reported in BF</u> |                 |                       |  |  |  |
|             |  |                    |               |                |  |                     |                   |                |  |                 |                       |                 |                       |  |  |  |
| 1988        |  | 11,241,618         | 1,699,352     |                |  |                     |                   |                |  | 12,940,970      |                       | 2,065,101       | 15,006,071            |  |  |  |

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|      |  |            |           |            |                       |           |                   |           |  |            |            |           |            |  |  |  |  |
|------|--|------------|-----------|------------|-----------------------|-----------|-------------------|-----------|--|------------|------------|-----------|------------|--|--|--|--|
| 1989 |  | 10,619,036 | 1,645,654 |            |                       |           | Class 1 Railroads |           |  | 12,264,690 |            | 1,626,247 | 13,890,937 |  |  |  |  |
| 1990 |  | 11,281,034 | 1,819,242 |            |                       |           |                   |           |  | 13,100,276 |            | 1,338,484 | 14,438,760 |  |  |  |  |
| 1991 |  | 10,137,814 | 1,550,562 |            |                       |           |                   |           |  | 11,688,376 |            | 959,018   | 12,647,394 |  |  |  |  |
| 1992 |  | 11,350,655 | 1,341,436 |            |                       |           |                   |           |  | 12,692,091 |            | 1,161,751 | 13,853,842 |  |  |  |  |
| 1993 |  | 11,294,495 | 987,728   |            |                       |           |                   |           |  | 12,282,223 |            | 1,205,875 | 13,488,098 |  |  |  |  |
| 1994 |  | 10,747,598 | 769,620   |            |                       |           |                   |           |  | 11,517,218 |            | 1,108,300 | 12,625,518 |  |  |  |  |
| 1995 |  | 10,553,579 | 702,127   | 40,000,454 |                       | 523,569   | 6,143             | 2,864,634 |  | 11,785,418 | 42,865,088 | 1,052,260 | 12,837,678 |  |  |  |  |
| 1996 |  | 11,931,324 | 579,222   | 40,829,785 |                       | 684,804   | 13,234            | 3,176,548 |  | 13,208,584 | 44,006,333 | 871,950   | 14,080,534 |  |  |  |  |
| 1997 |  | 10,839,201 | 483,180   | 30,594,197 |                       | 1,025,176 | 21,204            | 1,049,901 |  | 12,368,761 | 31,644,098 | 1,285,910 | 13,654,671 |  |  |  |  |
| 1998 |  | 9,401,864  | 330,248   | 29,943,455 |                       | 906,024   | 87,802            | 1,857,111 |  | 10,725,938 | 31,800,566 | 1,383,360 | 12,109,298 |  |  |  |  |
| 1999 |  | 9,962,197  | 259,536   | 27,027,001 |                       | 803,528   | 37,005            | 2,771,516 |  | 11,062,266 | 29,798,517 | 1,306,140 | 12,368,406 |  |  |  |  |
|      |  |            |           |            | Laid in Replacement - |           |                   |           |  |            |            |           |            |  |  |  |  |
|      |  |            |           |            | Concrete, Steel, Etc. |           |                   |           |  |            |            |           |            |  |  |  |  |
| 2000 |  | 10,142,653 | 100,414   | 21,300,904 |                       | 512,577   | 47,160            | 1,508,536 |  | 10,802,804 | 22,809,440 | 1,050,930 | 11,853,734 |  |  |  |  |
| 2001 |  | 10,576,404 | 101,948   | 25,799,171 |                       | 355,954   | 48,381            | 1,391,561 |  | 11,082,687 | 27,190,732 | 872,845   | 11,955,532 |  |  |  |  |
| 2002 |  | 12,335,781 | 154,670   | 27,630,764 |                       | 205,901   | 469               | 700,627   |  | 12,696,821 | 28,331,391 | 955,950   | 13,652,771 |  |  |  |  |
| 2003 |  | 12,363,447 | 180,619   | 28,551,028 |                       | 212,331   | 18,493            | 589,219   |  | 12,774,890 | 29,140,247 | 1,002,010 | 13,776,900 |  |  |  |  |
| 2004 |  | 12,468,245 | 203,876   | 30,285,385 |                       | 235,791   | 1,077             | 591,255   |  | 12,908,989 | 30,876,640 | 1,302,587 | 14,211,576 |  |  |  |  |
| 2005 |  | 12,596,290 | 207,607   | 28,292,356 |                       | 352,770   | 3,730             | 694,040   |  | 13,160,397 | 28,986,396 | 1,779,789 | 14,940,186 |  |  |  |  |
| 2006 |  | 13,691,989 | 278,078   | 28,378,055 |                       | 324,577   | 9,129             | 321,639   |  | 14,303,773 | 28,699,694 | 1,920,763 | 16,224,536 |  |  |  |  |
| 2007 |  | 13,117,945 | 180,004   | 28,294,539 |                       | 228,518   | 1,594             | 296,316   |  | 13,528,061 | 28,590,855 | 1,821,147 | 15,349,208 |  |  |  |  |
| 2008 |  | 14,126,748 | 312,311   | 30,965,083 |                       | 272,823   | 1,000             | 388,690   |  | 14,712,882 | 31,353,773 | 2,360,037 | 17,072,919 |  |  |  |  |
| 2009 |  | 14,277,662 | 297,188   | 33,182,115 |                       | 185,368   | 0                 | 431,466   |  | 14,760,218 | 33,613,581 | 1,753,141 | 16,513,359 |  |  |  |  |
| 2010 |  | 14,131,673 | 438,114   | 33,188,083 |                       | 159,962   | 0                 | 362,055   |  | 14,729,749 | 33,550,138 | 2,086,936 | 16,816,685 |  |  |  |  |
| 2011 |  | 14,148,012 | 544,652   | 34,648,432 |                       | 223,281   | 4,098             | 688,309   |  | 14,920,043 | 35,336,741 | 2,149,774 | 17,069,817 |  |  |  |  |
| 2012 |  | 14,813,721 | 459,254   | 38,354,083 | 579,682               | 323,273   | 0                 | 1,082,314 |  | 15,596,248 | 39,436,397 | 1,831,435 | 17,427,683 |  |  |  |  |
| 2013 |  | 14,827,439 | 295,083   | 31,188,209 | 433,311               | 321,785   | 4,737             | 928,993   |  | 15,449,044 | 32,117,202 | 1,983,133 | 17,432,177 |  |  |  |  |
| 2014 |  | 13,644,477 | 220,107   | 31,855,252 | 557,547               | 419,112   | 0                 | 1,494,673 |  | 14,283,696 | 33,349,925 | 1,867,543 | 16,151,239 |  |  |  |  |
| 2015 |  | 13,875,722 | 250,941   | 32,792,126 |                       | 412,732   | 0                 | 1,182,017 |  | 14,539,395 | 33,974,143 | 2,278,000 | 16,817,395 |  |  |  |  |