

**Table 5.10  
High Explosives**

| QUANTITY OF EXPLOSIVES |                 | Inhabited Buildings |              | Public Highways with Traffic Volume of 3,000 or less Vehicles/Day |              | Passenger Railways – Public Highways with Traffic Volume of more than 3,000 Vehicles/Day |              | Separation of Magazines |              |
|------------------------|-----------------|---------------------|--------------|---|--------------|--|--------------|-------------------------|--------------|
| Pounds Over            | Pounds Not Over | Barricaded*         | Unbarricaded | Barricaded*   | Unbarricaded | Barricaded*  | Unbarricaded | Barricaded*             | Unbarricaded |
| 2                      | 5               | 70                  | 140          | 30  | 60           | 51   | 102          | 6                       | 12           |
| 5                      | 10              | 90                  | 180          | 35  | 70           | 64   | 128          | 8                       | 16           |
| 10                     | 20              | 110                 | 220          | 45  | 90           | 81   | 162          | 10                      | 20           |
| 20                     | 30              | 125                 | 250          | 50  | 100          | 93   | 186          | 11                      | 22           |
| 30                     | 40              | 140                 | 280          | 55  | 110          | 103  | 206          | 12                      | 24           |
| 40                     | 50              | 150                 | 300          | 60  | 120          | 110  | 220          | 14                      | 28           |
| 55                     | 75              | 170                 | 340          | 70  | 140          | 127  | 254          | 15                      | 30           |
| 75                     | 100             | 190                 | 380          | 75  | 150          | 139  | 278          | 16                      | 32           |
| 100                    | 125             | 200                 | 400          | 80  | 160          | 150  | 300          | 18                      | 36           |
| 125                    | 150             | 215                 | 430          | 85  | 170          | 159  | 318          | 19                      | 38           |
| 150                    | 200             | 235                 | 470          | 95  | 190          | 175  | 350          | 21                      | 42           |
| 200                    | 250             | 255                 | 510          | 105   | 210          | 189  | 378          | 23                      | 46           |
| 250                    | 300             | 270                 | 540          | 110   | 220          | 201  | 402          | 24                      | 48           |
| 300                    | 400             | 295                 | 590          | 120   | 240          | 221  | 442          | 27                      | 54           |
| 400                    | 500             | 320                 | 640          | 130   | 260          | 238  | 476          | 29                      | 58           |
| 500                    | 600             | 340                 | 680          | 135   | 270          | 253  | 506          | 31                      | 62           |
| 600                    | 700             | 355                 | 710          | 145   | 290          | 265  | 532          | 32                      | 64           |
| 700                    | 800             | 375                 | 750          | 150   | 300          | 278  | 556          | 33                      | 66           |
| 800                    | 900             | 390                 | 780          | 155   | 310          | 289  | 578          | 35                      | 70           |
| 900                    | 1,000           | 400                 | 800          | 160   | 320          | 300  | 600          | 36                      | 72           |
| 1,000                  | 1,200           | 425                 | 850          | 165   | 330          | 318  | 636          | 39                      | 78           |
| 1,200                  | 1,400           | 450                 | 900          | 170   | 340          | 336  | 672          | 41                      | 82           |
| 1,400                  | 1,600           | 470                 | 940          | 175   | 350          | 351  | 702          | 43                      | 86           |
| 1,600                  | 1,800           | 480                 | 960          | 180   | 360          | 366  | 732          | 44                      | 88           |
| 1,800                  | 2,000           | 505                 | 1,010        | 185   | 370          | 378  | 756          | 45                      | 90           |
| 2,000                  | 2,500           | 545                 | 1,000        | 190   | 380          | 408  | 816          | 48                      | 96           |
| 2,500                  | 3,000           | 580                 | 1,100        | 195   | 390          | 432  | 864          | 52                      | 104          |
| 3,000                  | 4,000           | 635                 | 1,270        | 210   | 420          | 474  | 948          | 58                      | 116          |
| 4,000                  | 5,000           | 685                 | 1,370        | 225   | 450          | 513  | 1,026        | 61                      | 122          |
| 5,000                  | 6,000           | 730                 | 1,460        | 235   | 470          | 546  | 1,092        | 65                      | 130          |
| 6,000                  | 7,000           | 770                 | 1,540        | 245   | 490          | 573  | 1,146        | 69                      | 138          |
| 7,000                  | 8,000           | 800                 | 1,600        | 250   | 500          | 600  | 1,200        | 72                      | 144          |
| 8,000                  | 9,000           | 835                 | 1,870        | 255   | 510          | 624  | 1,248        | 75                      | 150          |
| 9,000                  | 10,000          | 865                 | 1,730        | 260   | 520          | 645  | 1,290        | 78                      | 156          |
| 10,000                 | 12,000          | 875                 | 1,750        | 270   | 540          | 687  | 1,374        | 82                      | 164          |
| 12,000                 | 14,000          | 885                 | 1,770        | 275   | 550          | 723  | 1,446        | 87                      | 174          |
| 14,000                 | 16,000          | 900                 | 1,800        | 280   | 560          | 756  | 1,512        | 90                      | 180          |
| 16,000                 | 18,000          | 940                 | 1,880        | 285   | 570          | 786  | 1,572        | 94                      | 188          |
| 18,000                 | 20,000          | 975                 | 1,950        | 290   | 580          | 813  | 1,626        | 98                      | 196          |
| 20,000                 | 25,000          | 1,055               | 2,000        | 315   | 630          | 876  | 1,752        | 105                     | 210          |
| 25,000                 | 30,000          | 1,130               | 2,000        | 340   | 680          | 933  | 1,866        | 112                     | 224          |
| 30,000                 | 35,000          | 1,205               | 2,000        | 360   | 720          | 981  | 1,962        | 119                     | 238          |
| 35,000                 | 40,000          | 1,275               | 2,000        | 380   | 760          | 1,026  | 2,000        | 124                     | 248          |
| 40,000                 | 45,000          | 1,340               | 2,000        | 400   | 800          | 1,068  | 2,000        | 129                     | 258          |
| 45,000                 | 50,000          | 1,400               | 2,000        | 420   | 840          | 1,104  | 2,000        | 135                     | 270          |
| 50,000                 | 55,000          | 1,480               | 2,000        | 440   | 880          | 1,140  | 2,000        | 140                     | 280          |
| 55,000                 | 60,000          | 1,515               | 2,000        | 455   | 910          | 1,173  | 2,000        | 145                     | 290          |
| 60,000                 | 65,000          | 1,565               | 2,000        | 470   | 940          | 1,206  | 2,000        | 150                     | 300          |
| 65,000                 | 70,000          | 1,610               | 2,000        | 485   | 970          | 1,236  | 2,000        | 155                     | 310          |
| 70,000                 | 75,000          | 1,655               | 2,000        | 500   | 1,000        | 1,263  | 2,000        | 160                     | 320          |
| 75,000                 | 80,000          | 1,695               | 2,000        | 510   | 1,020        | 1,293  | 2,000        | 165                     | 330          |
| 80,000                 | 85,000          | 1,730               | 2,000        | 520   | 1,040        | 1,317  | 2,000        | 170                     | 340          |
| 85,000                 | 90,000          | 1,760               | 2,000        | 530   | 1,060        | 1,344  | 2,000        | 175                     | 350          |
| 90,000                 | 95,000          | 1,790               | 2,000        | 540   | 1,080        | 1,368  | 2,000        | 180                     | 360          |
| 95,000                 | 100,000         | 1,815               | 2,000        | 545   | 1,090        | 1,392  | 2,000        | 185                     | 370          |
| 100,000                | 110,000         | 1,835               | 2,000        | 550   | 1,100        | 1,437  | 2,000        | 195                     | 390          |
| 110,000                | 120,000         | 1,855               | 2,000        | 555   | 1,110        | 1,479  | 2,000        | 205                     | 410          |
| 120,000                | 130,000         | 1,875               | 2,000        | 560   | 1,120        | 1,521  | 2,000        | 215                     | 430          |
| 130,000                | 140,000         | 1,890               | 2,000        | 565   | 1,130        | 1,557  | 2,000        | 225                     | 450          |
| 140,000                | 150,000         | 1,900               | 2,000        | 570   | 1,140        | 1,593  | 2,000        | 235                     | 470          |
| 150,000                | 160,000         | 1,935               | 2,000        | 580   | 1,160        | 1,629  | 2,000        | 245                     | 480          |
| 160,000                | 170,000         | 1,965               | 2,000        | 590   | 1,180        | 1,662  | 2,000        | 255                     | 510          |
| 170,000                | 180,000         | 1,990               | 2,000        | 600   | 1,200        | 1,695  | 2,000        | 265                     | 530          |
| 180,000                | 190,000         | 2,010               | 2,010        | 605   | 1,210        | 1,725  | 2,000        | 275                     | 550          |
| 190,000                | 200,000         | 2,030               | 2,030        | 610   | 1,220        | 1,755  | 2,000        | 285                     | 570          |
| 200,000                | 210,000         | 2,055               | 2,055        | 620   | 1,240        | 1,782  | 2,000        | 295                     | 590          |
| 210,000                | 230,000         | 2,100               | 2,100        | 635   | 1,270        | 1,836  | 2,000        | 315                     | 630          |
| 230,000                | 250,000         | 2,155               | 2,155        | 650   | 1,300        | 1,890  | 2,000        | 335                     | 670          |
| 250,000                | 275,000         | 2,215               | 2,215        | 670   | 1,340        | 1,950  | 2,000        | 360                     | 720          |
| 275,000                | 300,000         | 2,275               | 2,275        | 690   | 1,380        | 2,000  | 2,000        | 385                     | 770          |

Note to Table

\* "Barricaded" means a natural barricade or an artificial barricade of a minimum thickness of three feet.