## Hot Spot Committee

## Summary



Original 2009
Reformatted August, 2018

The recommendations made in this manual to the number of watchmen required are to be used as a guide and are not to be considered as minimum or maximum requirements. They represent the number of watchmen that the Hot Spot Committee agreed were appropriate should Train Approach Warning be used for on-track safety.

The number of watchmen required will be determined by the Roadway Worker in Charge (RWIC), with participation from everyone at the job briefing. The number of watchmen required can change each time a job is set up and/or as conditions change. Due to conditions that can change at any moment.

The Minimum Sight Distance must always be met or exceeded.

Minimum Sight Distance Calculation:MSD $=$ FPS x (15+SCO)
Feet Per Second (FPS)
Maximum Authorized Speed (MAS)
Minimum Sight Distance in Feet (MSD)
Seconds to Clear and occupy the Pre-determined Place of Safety (SCO)
*Simple FPS Calculation: (MAS/2) $\times 3=$ FPS
Example: 100 MPH Track and it would take 5 seconds to clear the track and occupy the PPOS
MSD $=((100 / 2) \times 3)) \times(15+5)$
MSD $=(50 \times 3) \times(20)$
MSD $=150 \times 20$
MSD $=3000$ Feet
*Calculation may be off by as much as $+5 \%$ to the exact FPS, erring on the side of safety. For exact FPS see Minimum Sight Distance Chart on page 3

Each roadway worker is responsible to ascertain that the correct on-track safety is being provided before fouling a track. A roadway worker must refuse any directive to violate Amtrak's On-Track Safety.

Minimum Sight Distance Chart

| Maximum Authorized Speed (MPH) | Feet Per Second | Minimum of 15 Seconds in the PPOS (Feet) | 5 Seconds to clear plus 15 Seconds in the PPOS (Feet) | 10 Seconds to clear plus 15 Seconds in the PPOS (Feet) | 15 Seconds to clear plus 15 Seconds in the PPOS (Feet) | 20 Seconds to clear plus 15 Seconds in the PPOS (Feet) | 25 Seconds to clear plus 15 Seconds in the PPOS (Feet) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5 | $7 . \overline{3}$ | 110 | 147 | 183 | 220 | 257 | 293 |
| 10 | $14 . \overline{6}$ | 220 | 293 | 337 | 440 | 513 | 587 |
| 15 | 22 | 330 | 440 | 550 | 660 | 770 | 880 |
| 20 | $29 . \overline{3}$ | 440 | 587 | 733 | 880 | 1027 | 1173 |
| 25 | $36 . \overline{6}$ | 550 | 733 | 917 | 1100 | 1283 | 1467 |
| 30 | 44 | 660 | 880 | 1100 | 1320 | 1540 | 1760 |
| 35 | $51 . \overline{3}$ | 770 | 1027 | 1283 | 1540 | 1797 | 2053 |
| 40 | $58 . \overline{6}$ | 880 | 1173 | 1467 | 1760 | 2053 | 2347 |
| 45 | 66 | 990 | 1320 | 1650 | 1980 | 2310 | 2640 |
| 50 | $73 . \overline{3}$ | 1100 | 1467 | 1833 | 2200 | 2567 | 2933 |
| 55 | $80 . \overline{6}$ | 1210 | 1613 | 2017 | 2420 | 2823 | 3227 |
| 60 | 88 | 1320 | 1760 | 2200 | 2640 | 3080 | 3520 |
| 65 | $95 . \overline{3}$ | 1430 | 1907 | 2383 | 2860 | 3337 | 3813 |
| 70 | $102 . \overline{6}$ | 1540 | 2053 | 2567 | 3080 | 3593 | 4107 |
| 75 | 110 | 1650 | 2200 | 2750 | 3300 | 3850 | 4400 |
| 80 | $117 . \overline{3}$ | 1760 | 2347 | 2933 | 3520 | 4107 | 4693 |
| 85 | $124 . \overline{6}$ | 1870 | 2493 | 3117 | 3740 | 4363 | 4987 |
| 90 | 132 | 1980 | 2640 | 3300 | 3960 | 5280 | 5280 |
| 95 | $139 . \overline{3}$ | 2090 | 2787 | 3484 | 4180 | 4877 | 5573 |
| 100 | $146 . \overline{6}$ | 2200 | 2933 | 3667 | 4400 | 5133 | 5867 |
| 105 | 154 | 2310 | 3080 | 3850 | 4620 | 5390 | 6160 |
| 110 | $161 . \overline{3}$ | 2420 | 3227 | 4033 | 4840 | 5647 | 6453 |
| 115 | $168 . \overline{6}$ | 2530 | 3373 | 4217 | 5060 | 5903 | 6747 |
| 120 | 176 | 2640 | 3520 | 4400 | 5280 | 6160 | 7040 |
| 125 | $183 . \overline{3}$ | 2750 | 3667 | 4583 | 5500 | 6417 | 7333 |
| 130 | 190.6 | 2860 | 3813 | 4767 | 5720 | 6673 | 7627 |
| 135 | 198 | 2970 | 3960 | 4950 | 5940 | 6930 | 7920 |
| 140 | $205 . \overline{3}$ | 3080 | 4107 | 5133 | 6160 | 7187 | 8213 |
| 145 | $212 . \overline{6}$ | 3190 | 4253 | 5317 | 6380 | 7443 | 8507 |
| 150 | 220 | 3300 | 4400 | 5500 | 6600 | 7700 | 8800 |

| New England Division = Approximately 175 Feet

| Feet | No. of Catenary Poles <br> (NY to WAS) |
| :---: | :---: |
| 265 | 1 |
| 530 | 2 |
| 795 | 3 |
| 1060 | 4 |
| 1325 | 5 |
| 1590 | 6 |
| 1855 | 7 |
| 2120 | 8 |
| 2385 | 9 |
| 2650 | 10 |
| 2915 | 11 |
| 3180 | 12 |
| 3445 | 13 |
| 3710 | 14 |
| 3975 | 15 |
| 4240 | 16 |
| 4505 | 17 |
| 4770 | 18 |
| 5035 | 19 |
| 5300 | 20 |
| 5565 | 21 |
| 5830 | 22 |
| 6095 | 23 |
| 6360 | 24 |
| 6625 | 25 |
| 6890 | 26 |
| 7155 | 27 |
| 7420 | 28 |
| 7685 | 29 |
| 7950 | 30 |
| 8215 | 31 |
| 8480 | 32 |
| 8745 | 33 |
|  |  |


| Feet | No. of Catenary Poles (New England) | Feet | No. of Catenary Poles (New England) |
| :---: | :---: | :---: | :---: |
| 175 | 1 | 5950 | 34 |
| 350 | 2 | 6125 | 35 |
| 525 | 3 | 6300 | 36 |
| 700 | 4 | 6475 | 37 |
| 875 | 5 | 6650 | 38 |
| 1050 | 6 | 6825 | 39 |
| 1225 | 7 | 7000 | 40 |
| 1400 | 8 | 7175 | 41 |
| 1575 | 9 | 7350 | 42 |
| 1750 | 10 | 7525 | 43 |
| 1925 | 11 | 7700 | 44 |
| 2100 | 12 | 7875 | 45 |
| 2275 | 13 | 8050 | 46 |
| 2450 | 14 | 8225 | 47 |
| 2625 | 15 | 8400 | 48 |
| 2800 | 16 | 8575 | 49 |
| 2975 | 17 | 8750 | 50 |
| 3150 | 18 |  |  |
| 3325 | 19 |  |  |
| 3500 | 20 |  |  |
| 3675 | 21 |  |  |
| 3850 | 22 |  |  |
| 4025 | 23 |  |  |
| 4200 | 24 |  |  |
| 4375 | 25 |  |  |
| 4550 | 26 |  |  |
| 4725 | 27 |  |  |
| 4900 | 28 |  |  |
| 5075 | 29 |  |  |
| 5250 | 30 |  |  |
| 5425 | 31 |  |  |
| 5600 | 32 |  |  |
| 5775 | 33 |  |  |

## HOT SPOTS

Definition: Hot spots are locations where if Train Approach Warning is being used to provide on track safety, extra precaution must be taken due to physical locations that include a variety of conditions such as.

1. Curves with limited visibility.
2. Tunnels with limited and close clearance.
3. Track locations with heavy outside noise.
4. Track locations with limited or no clearance.
5. Bridge locations with limited or no clearance.
6. Track locations with limited or no visibility due to obstructions.

## Potential Hot Spots:

1. Bridges-overhead, under grade and movable-walkways, hand railings, and clearing bays.
2. Curves-simple (sharp/high degree of curvature), reverse, compound, broken back, and vertical (grades).
3. Roadbed-fill section (elevated) and cut section (rock cut).
4. Tunnels-manholes (cut outs) and bench walls (ladders and handholds).
5. Fencing-right of way, intertrack and high-level platforms.
6. Overbuilds-manholes (cut outs) and clearing bays.

## Hot Spot Sticker:



These charts were originally published in 2009 and reformatted August, 2018.
All of the data in the charts below is from 2009, except Morris Interlocking-Tower

| NYD <br> Name of Location | MP | Curves | \# ofGangWatchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| I-95 Bridge | 76-75.5 | East \& West | 1 | 2 | 1 | Noise under bridge Limited Visibility 125 MPH | Yes | NYD West Adams |
| West end of Torresdale Curve | 75-75.5 | S' Curve | 1 | 3 | 3 | Limited Visibility S curves east \& west Traffic noise from I-95 105 MPH | Yes | NYD West Adams |
| East end of Torresdale Curve | 74.4 | S' Curve | 1 | 5 | 1 | Limited Visibility <br> S curves <br> Traffic Noise from I-95 <br> 105 MPH | Yes | NYD West Adams |
| Torresdale Station | 74.5 | S' Curves | 1 | 3 | 2 | 2 'S' curves I-95 noise Traffic noise from I-95 105 MPH | No | NYD West Adams |
| Cornwells Heights | 72.5 | From the East | 1 | 0 | ${ }^{*}{ }^{*}{ }^{2}$ | * When working on 3 \& 4 track <br> ** When working on $1 \& 2$ track <br> Noise from I-95 <br> Limited Visibility <br> Intertrack Fencing <br> Speed 110 MPH | Yes | NYD West Adams |
| Neshaminy Bridge \& Curve | 70.5-71 | From the East | 1 | 0 | 3 | Traffic noise from l-95 Curve from the East Limited Visibility Speed 120 MPH | Yes | NYD West Adams |
| Neshaminy Bridge \& Curve | 70-70.5 | In the Curve | 1 | 1 | 1 | Traffic noise from l-95 <br> Curve <br> Limited Visibility <br> Advance position (east \& west), but not amount, will change with gang movement. <br> Speed 120 MPH | Yes | NYD West Adams |
| Croydon Station \& West | 69.2-69.5 | West | 1 | 2 | 0 | Traffic Noise Limited Visibility Curve from the West Intertrack Fencing Speed 120 MPH | Yes | NYD West Adams |
| West of Bristol Station. Access from Stairs on 4 track | 67.2 | East \& West | 1 | 1 | 2 | Limited Visibility Location is an Scurves Traffic Noise from Rt. 13 125 MPH | Yes | NYD West Adams |
| Bristol Station | 66.5 | East \& West | 1 | 2 | 3 | Limited Visibility Curves East \& West 125 MPH | Yes | NYD West Adams |
| Curve West of Grundy (East bound home board) | 65.6 | West | 1 | 5 | 0 | Limited Visibility <br> Curve West <br> 125 MPH <br> ${ }^{* * *}$ Note: With 4 advanced watchmen the train was at our location in 15 seconds. | Yes | NYD West Adams |


| NYD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Grundy Interlocking Tower | 65.4 | East \& West | 1 | 3 | 3 | Limited Visibility <br> Curves East \& West $125 \mathrm{MPH}$ <br> Noise from turnpike traffic overhead <br> Factory noise for east advanced watchman | Yes | NYD West Adams |
| Curve East of Grundy (West bound home board) | 64.5-65 | East | 1 | 0 | 2 | Limited Visibility Curve $125 \text { MPH }$ | Yes | NYD West Adams |
| Levittown Station | 63.2 | No | 1 | 0 |  | Intertrack fencing Close Clearance (fence) | Yes | NYD West Adams |
| Morris Interlocking Tower | 58.5 | West | 1 | 5 | 2 | Limited Visibility <br> 3 \& 4 track curve through a tunnel. Must protect 3 track for eastbound moves. 5 advanced along 2 track from Thoroughfare Signal Bridge west through curve until visual is made of 3 \& 4 track, past split on west end. This will protect all eastbound moves on all tracks. <br> Noise from roadway $100 \mathrm{MPH}$ | Yes | NYD West Adams |
| Delaware River Bridge | 57.5 | No | 1 | 0 |  | Close Clearance Clear into cutouts Foul time | No | NYD West Adams |
| Fair <br> West End | 56.7 | West | 1 | 1 | 1 | Close Clearance (Walls on both sides) <br> Limited Visibility <br> Protect Septa moves as well as moves from 1 track to the High. $110 \mathrm{MPH}$ | No | NYD West Adams |
| West of Platform | 56.5 | West | 1 | 3 | 0 | Close Clearance Limited Visibility $110 \mathrm{MPH}$ | No | NYD West Adams |
| West End of Platform | 56.4 | West | 1 | 2 | 0 | Foul time needed on 1 or 2 track when working in platform area and a ladder to clear onto platforms. <br> Close Clearance <br> Limited Visibility $110 \mathrm{MPH}$ | No | NYD West Adams |
| Middle of Platform | 56.3 | West | 1 | 3 | 0 | Foul time needed on 1 or 2 track when working in platform area and a ladder to clear onto platforms. <br> Close Clearance <br> Limited Visibility $110 \mathrm{MPH}$ | No | NYD West Adams |
| East end of Platform | 56.2 | West \& East | 1 | 3 | 1 | Foul time needed on 1 or 2 track when working in platform area and a ladder to clear onto platforms. <br> Close Clearance <br> Limited Visibility $110 \mathrm{MPH}$ | No | NYD West Adams |
| Hamilton Station | 53 | No | 1 |  |  | Foul time required or a ladder, so workers can climb onto the platform. <br> Close Clearance <br> Intertrack Fencing | Yes | NYD West Adams |


| NYD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Princeton Station | 47 | No | 1 |  |  | Foul time required or a ladder, so workers can climb onto the platform. <br> Close Clearance Intertrack Fencing | Yes | NYD West Adams |
| S' Curve east of Midway Curves \#275 \& \#276 | 39-41 | Yes | 1 | ** 4 |  | ** 1 watchman and 4 advanced watchmen are needed anywhere is this 'S' curve due to visibility \& speeds. $130 \mathrm{MPH}$ <br> Limited visibility | Yes | NYD West Adams |
| Curve East of Adams Curve \#274 | 33.8-34.2 | Yes | 1 | ** 1 |  | ** Minimum of 2 watchmen needed Limited Visibility $135 \mathrm{MPH}$ | No | NYD West Adams |
| N. Brunswick Elevated section | 31-31.25 | No | 1 | 0 | 0 | Limited Clearance Foul time required with SSD 125 MPH | No | NYD West Adams |
| New Brunswick Station | 31.25 | Yes | 1 | 1 | 0 | Limited Visibility 125 MPH | Yes | NYD West Adams |
| Raritan River Bridge | 31 | Yes | 1 | 2 | 0 | West end of bridge Limited Visibility Close Clearance Foul Time Need due to close clearance, with SSD 125 MPH | No | NYD West Adams |
|  | 30.9-30.8 | Yes | 1 | 3 | 3 | Middle \& East end of bridge Limited Visibility Curves East \& West 125 MPH | No | NYD West Adams |
| Edison Station | 29 | No | 1 | 0 |  | Foul time required or a ladder, so workers can climb onto the platform. <br> Close Clearance $125 \mathrm{MPH}$ | Yes | NYD West Adams |
| Curve 270 | 27.66 | Yes | 1 | 0 | 1 | Limited Visibility 110 MPH | On 4 track side | NYD West Adams |
| Curves 269-268 | 27-26.7 | Yes | 1 | ** 5 |  | ** 5 advanced watchmen needed (total of 6 watchmen) anywhere is this 'S' curve due to visibility \& speeds. <br> Limited Visibility <br> Triple curve - Curve 268 east, curve 269 in the middle \& curve 270 west Highway noise (Rt. 287) on curve 269 $95 \text { MPH }$ | On 4 track side | NYD West Adams |
| Lincoln | 26 | West | 1 | 3 | 0 | Curve West of location Limited Visibility $110 \text { MPH }$ | No | NYD West Adams |
| Metuchen Station | 25.8 | East | **1 | 0 | **5 | ** Foul time, or track out of service, needed when working in station limits Limited Visibility 'S' curve to the east 110 MPH | No | NYD West Adams |
| Curve 267 | 24.6 to 25.5 | S' Curve | 1 | ** 4 |  | ** A total of 5 watchmen are needed in this curve Limited visibility $110 \mathrm{MPH}$ | No | NYD West Adams |
| Menlo | 23.7 | East \& West | 1 | 2 | 5 | Limited visibility in both directions Traffic noise all around $110 \mathrm{MPH}$ | No | NYD West Adams |

Page 8| 23

| NYD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Metropark | 23.2 | East \& West | 1 | 4 | 4 | Limited visibility in both directions Traffic noise Close clearance 110 MPH <br> Foul time with SSD recommended | No | NYD West Adams |
| Iselin | 22.8 | East \& West | 1 | 5 | 3 | Limited visibility in both directions Traffic noise $110 \mathrm{MPH}$ | No | NYD West Adams |
| $\begin{gathered} \text { Union } \\ 19.3-20.6 \end{gathered}$ | $\begin{gathered} 20.6 \\ \text { Inman Ave. } \end{gathered}$ | West | 1 | 4 | 0 | Limited Visibility Close Clearance 110 MPH | No | NYD West Adams |
| Union | 20 | Vertical curve | 1 | 1 |  | Limited Visibility | No | NYD West Adams |
| Union | Union Overall \& Station | None | 1** | 0 |  | ** Foul time is recommended due to; <br> Close Clearance <br> Tunnel traffic Lack of proper clearing space $110 \text { MPH }$ <br> Cat pole clearing bays are recommended | No | NYD West Adams |
| Linden | 17.3 | None | 1 | 0 |  | Close Clearance <br> Foul time when working in station limits | No | NYD West Adams |
| Elmora | 15 | East | 1 | 1* | 2 | *Vertical Curve, on west end, limits visibility. Close Clearance Limited Visibility $60 \mathrm{MPH}$ | No | NYD West Adams |
| $\begin{gathered} \text { Curves \#252 \& } \\ 253 \end{gathered}$ | 14-15 | S curve East \& West | 1 | * 2 |  | * 3 watchmen are needed when working in the curves to protect east \& west movements <br> Limited visibility <br> Traffic and airplane (Newark airport) noise $55 \mathrm{MPH}$ | No | NYD West Adams |
| Elizabeth Station | 14 | West | 1 | * 2 |  | * 3 watchmen are needed when working in the curves to protect east \& west movements <br> Limited visibility <br> Traffic and airplane (Newark airport) noise $55 \mathrm{MPH}$ | No | NYD West Adams |
| Airport | 12 | No | 1 | 0 |  | Close Clearance | No | NY East Hunter-MP3 |
| Viaduct | $\begin{gathered} 8.95- \\ \text { Hunter EB } \\ \text { HB } \end{gathered}$ | None | * 1 | 0 |  | * Foul time recommended at close clearance locations in conjunction w/watchmen <br> Close Clearance <br> Noise <br> Limited Clearing <br> 70 MPH | No | NY East Hunter-MP3 |
| Dock West | 8.8-8.95 | West | * 1 |  |  | * Foul time recommended at close clearance locations in conjunction w/ watchmen <br> ** Advanced watchman location TBD by EIC <br> Limited Visibility <br> Noise <br> Close Clearance <br> 35 MPH | No | NY East Hunter-MP3 |


| NYD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Newark Station | 8.8 | East | 1 | * 1 |  | ```* Advanced watchman location TBD by EIC Limited Visibility Noise 35 MPH``` | No | NY East Hunter-MP3 |
| Dock Bridge | $\begin{gathered} 8.5-8.45 \\ 2,3 \& 4 \\ \text { Tracks } \end{gathered}$ | East \& West | 1 | 2 | 1 | Close Clearance Noise limited Visibility 45 MPH | No | NY East Hunter-MP3 |
| Dock Bridge | 1 Track | East \& West | 1 | 1 | 0 | Noise Limited Visibility 35 MPH | No | NY East Hunter-MP3 |
| Middle of Dock East | $\begin{gathered} 8.4 \\ 2,3, \& 4 \\ \text { Track } \end{gathered}$ | East \& West | 1 | 0 | 2 | Noise Limited Visibility 45 MPH | No | NY East Hunter-MP3 |
| Middle of Dock East | 1 Track |  | 1 | 0 |  | 45 MPH | No | NY East Hunter-MP3 |
| Dock East WB Home Board \& Harrison Curve \#244 \& \#243 | 8.3-7.8 | Yes | 1 | * 2 |  | ** 2 Advanced watchman needed. Location TBD by EIC 60 MPH | No | NY East Hunter-MP3 |
| Turnpike Bridge | $7.5-$ Swift WB HB | Yes | 2 | 0 |  | Limited Visibility Noise 90 MPH | No | NY East Hunter-MP3 |
| Swift WB HB - Middle of interlocking | 7.2 | Yes | 1 | * 4 | 0 | * Advanced watchmen need on 6 tracks to protect move from Dover Line <br> Limited Visibility <br> Noise <br> 90 MPH | No | NY East Hunter-MP3 |
| Portal Bridge | 5.7 | East | 1 | 0 | 1 | Limited Visibility Noise 60 MPH | No | NY East Hunter-MP3 |
| Portal - WB HB Bergen | 5.7-3.5 | Yes | 1 | * 1 |  | ```* Advanced watchman location TBD by EIC Limited Visibility Limited Clearing Noise 90 MPH``` | No | NY East Hunter-MP3 |
| Bergen | 3.7-3 | Yes | * 1 | ** 2 |  | * Foul time needed <br> ** More advanced watchmen required during summer <br> months due to foliage <br> Limited Visibility <br> Must protect moves out of the tunnel <br> 90 MPH | No | NY East Hunter-MP3 |
| Penn Station North \& South Tubes Lines 1,2,3,4 | 0 | Yes | 1 | 0 |  | It is recommended that foul time be used in the tunnels. 60 MPH | No | New York |
| $\begin{gathered} \text { Penn Station } \\ \text { 'A' \& 'KN' } \\ \text { interlocking } \\ \hline \end{gathered}$ | 0 | No | 1 | 0 |  | 1 watchman When anything other than inspection is to be done, foul time is recommended | No | New York |


| NYD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced <br> Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Penn Station 'JO', 'KN', Interlockings <br> All 'Body' tracks | 0 | Yes | * 1 | 0 |  | 1 watchman <br> * Foul Time is required when working in any of these areas. | No | New York |
| Penn Station 'A', 'C', 'D' \& 'E' yard | 0 | Yes | 1 | 0 |  |  | No | New York |
| Sunnyside Lines '1', '2', '3', '4' | 3.0-2.9 | Line 2 \& 4 | 1 | 0 |  | Foul time to LIC Curve 60 MPH | No | Sunnyside |
| Sunnyside Sub 1 \& 2 | 3.2-3.1 | Jump Over | * 1 | 0 |  | * Foul Time Required with at least one watchman Limited visibility <br> Close clearance | No | Sunnyside |
| $\begin{gathered} \text { Sunny Side } \\ \text { Loop 'A', '1', '2' } \end{gathered}$ | Car Wash | Yes | 1 | * 1 |  | * Advanced watchmen location TBD by EIC Limited Visibility | No | Sunnyside |
| Sunnyside 5 - Lead | Yard | Yes | 1 | * 1 |  | * Advanced watchmen location TBD by EIC Limited Visibility | No | Sunnyside |
| Sunnyside Yard Body Tracks 1 thru 36 | Yard | Yes | 1 | * 1 |  | * Advanced watchmen location TBD by EIC Close Clearance <br> 2 watchmen to protect adjacent tracks. <br> Limited Visibility | No | Sunnyside |
| Gate Interlocking | 4.4 | East \& West | 1 | * 3 |  | * Advanced watchmen location TBD by EIC Limited Visibility both ways Limited clearance due to steep embankment 60 MPH | No | Hellgate |
| Curve-East end of Gate | 4.3 | East | 1 | * 3 |  | * Advanced watchmen location TBD by EIC Limited visibility due to curve <br> 60 MPH | No | Hellgate |
| Gate | 4.3-4.5 | Yes | 1 | * 3 |  | ```* Advanced watchmen location TBD by EIC Limited visibility Limited clearance due to embankment 6 0 ~ M P H``` | No | Hellgate |
| Oak Point | 9.9-10.5 Working between curves | Yes | 1 | 4 | 4 | Limited Visibility Noise 60 MPH | No | Hellgate |
| Oak Point | 9.9 <br> Working in Curve | Yes | 1 | * 2 |  | ```* Advanced watchmen location TBD by EIC Limited Visibility Noise 6 0 ~ M P H``` | No | Hellgate |
| Oak Point | 10.5 <br> Working in Curve | Yes | 1 | * 3 |  | ```* Advanced watchmen location TBD by EIC Limited Visibility Noise 60 MPH``` | No | Hellgate |
| Hunts Point | 10.5-11.2 | East \& West | 1 | 4 | 2 | Limited Visibility Noise $55 \mathrm{MPH}$ | No | Hellgate |
| West of Pelham Int. | 14-14.3 | Yes | 1 |  |  | ```* Advanced watchmen location TBD by EIC Limited visibility Long curve 60 MPH``` | No | Hellgate |


| NYD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Pelham Bridge \& Interlocking | 15-16 | Yes | 1 | * |  | * Advanced watchmen location TBD by EIC Limited visibility Close clearance on bridge Foul time when working on bridge 45 MPH | No | Hellgate |
| 1st 3 UG bridges east of MP 17 | 17-17.6 | Yes | 1 | * |  | * Advanced watchmen location TBD by EIC Limited Visibility 80 MPH | No | Hellgate |
| Manor Int. | 18.2 | Yes | 1 | * |  | * Advanced watchmen location TBD by EIC Limited Visibility <br> Noise <br> 70 MPH | No | Hellgate |
| A to Empire (Tunnel) | 0-1 | Yes | 1 | 0 | 0 | Foul time or track out of service in tunnel Close clearance Limited visibility <br> 25 MPH | No | Empire Line |
| Jervis to Trump Overbuild | 2 | Yes | 1 | * |  | * Advanced watchmen location TBD by EIC Limited Visibility $35 \mathrm{MPH}+176$ | No | Empire Line |
| Salt Pile | .7-8 | Yes | 1 | * |  | * Advanced watchmen location TBD by EIC Limited Visibility 3 curves 55 MPH | No | Empire Line |
| $\begin{gathered} \text { Empire - Curve } \\ \text { \#240 } \\ \text { Rock Cut section } \end{gathered}$ | 7.4-8.3 | Yes | 1 | * |  | * Advanced watchmen location TBD by EIC Limited Visibility 55 to 15 MPH Foul time required | No | Empire Line |
| Empire | 8.3-9 | Yes | 1 | * |  | * Advanced watchmen location TBD by EIC Limited Visibility $55 \mathrm{MPH}$ | No | Empire Line |
| Bridge | 11.5-12 | Yes | 1 | * |  | * Advanced watchmen location TBD by EIC Limited visibility $15 \mathrm{MPH}$ | No | Empire Line |

# Mid-Atlantic Division 

Broken down by line

## New York to Philadelphia (NYP)

| MAD <br> Name of <br> Location | MP | Curves | \# of <br> Gang <br> Watchmen | \# of Advanced <br> Watchmen |  | West | East |
| :---: | :---: | :---: | :---: | :---: | :--- | :--- | :---: |

## Philadelphia to Washington (PW)

| MAD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | PW |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| River Line between Zoo (34th St.) and Penn (Spring Garden St.) | 0.5 | 303.6 | 1 | 2 |  | Limited Visibility | No | PW |
| S. Penn | 1.5 | 304.2 | 1 | 2 |  | Limited Visibility; Noise | No | PW |
| Arsenal Curve | 2-3.2 | 306-307 | 1 | 4 |  | Limited Visibility | No | PW |
| Darby Curve to Sharon Hill Station | 5-7.6 | $\begin{gathered} \text { 308-309- } \\ 311 \end{gathered}$ | 1 | 6 |  | Limited Visibility | No | PW |
| Ridley Park Station to Crum Lynne Station | 10.4-11.2 | 313 | 1 | 3 |  | Limited Visibility | No | PW |
| N.B.H.S. Baldwin to MP 12.7 | 11.8-12.7 | 314 | 1 | 4 |  | Limited Visibility | No | PW |
| Chester Station to Concord Ave. | 13.4-14.1 | 315 | 1 | 1 |  | Fouls only on Viaduct; Close Clearance | No | PW |
| Naaman's Curve | 17.9-183 | 319 | 1 | 1 |  | Limited Visibility | No | PW |
| Claymont Curve | 19.1-19.6 | 320 | 1 | 1 |  | Limited Visibility | No | PW |
| $\begin{gathered} \hline \text { Jump Over - 1F } \\ 2 \mathrm{~F} \\ \hline \end{gathered}$ | 21.3-22.1 | 323 | 1 | 2 |  | Limited Visibility | No | PW |
| 1st Curve south of Bell | 22.1-23.7 | 324 | 1 | 4 |  | Limited Visibility | No | PW |
| 2nd Curve South of Bell | 24.4-25.2 | 326 | 1 | 2 |  | Limited Visibility | No | PW |
| S.B.H.S. Landlith to 26.3 | 25.5-26.3 | none | 1 |  |  | Fouls only; Close Clearance | No | PW |
| S.B.H.S. Brandy to S.B.H.S. Yard | 26.9-28.2 | 327-328 | 1 |  |  | Fouls only; Close Clearance | No | PW |
| N.B.H.S. Yard to S.B.H.S. Ragan | 28.3-29.7 | 329 | 1 | 2 |  | Limited Visibility | No | PW |
| Curve 330 | 30.1-30.4 | 330 | 1 | 1 |  | Limited Visibility | No | PW |
| Curve 331 | 30.9-31.4 | 331 | 1 | 1 |  | Limited Visibility | No | PW |
| Curve 332 | 32.8-33.1 | 332 | 1 | 3 |  | Limited Visibility | No | PW |
| Curve 333 | 33.3-33.7 | 333 | 1 | 1 |  | Limited Visibility | No | PW |
| Curve 334 | 34.5-34.7 | 334 | 1 | 2 |  | Limited Visibility | No | PW |
| Curve 335 | 35.8-35.9 | 335 | 1 | 1 |  | Limited Visibility | No | PW |
| Curve 336 | 39.4-40.5 | 336 | 1 | 3 |  | Limited Visibility | No | PW |
| Curve 337 | 41.7-41.9 | 337 | 1 | 2 |  | Limited Visibility | No | PW |
| Curve 338 | 43.6-44.8 | 338 | 1 | 2 |  | Limited Visibility | No | PW |
| Curve 339 | 45.3-45.8 | 339 | 1 | 2 |  | Limited Visibility | No | PW |
| Curve 340 | 46.9-47.2 | 340 | 1 | 2 |  | Limited Visibility | No | PW |
| Curve 341 | 48.7-49.2 | 341 | 1 | 1 |  | Limited Visibility | No | PW |
| Curve 342 | 50.0-50.65 | 342 | 1 | 5 |  | Limited Visibility | No | PW |
| Curve 343 | 51.2-51.85 | 343 | 1 | 2 |  | Limited Visibility | No | PW |
| Curve 344,345 | 53.3-54.35 | 344-345 | 1 | 4 |  | Limited Visibility | No | PW |


| MAD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | PW |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Curve 346 | 54.35-55.7 | 346 | 1 | 2 |  | Limited Visibility | No | PW |
| Curve 347 | 56.75-57.2 | 347 | 1 | 4 |  | Limited Visibility | No | PW |
| Curve 348 | 57.6-57.98 | 348 | 1 | 3 |  | Limited Visibility | No | PW |
| Curve 349 | 60.4-61.3 | 349 | 1 | 5 |  | Limited Visibility | No | PW |
| Curve 362 | 88.2 | 362 | 1 | 4 | 4 | 695 Traffic noise | No | PW |
| Curve 361 | 87 | 361 | 1 | 5 | 5 | Two Highways of noise | Yes | PW |
| Curve 361 | 86.7 | 361 | 1 gang | 5 | 5 | Traffic/ Lumber | Yes | PW |
| Curve 360 | 86.4 | 360 | 1 | 5 | 5 | Noisy Plant Compressor | Yes | PW |
| Bay | 86 | 360 | 1 North | 0 | 7 | 2035/ Traffic Noise | Yes | PW |
| Curve 359 | 85.8 | 359 | 1 North | 1 | 3 | Acela 2027 | Yes | PW |
| River | 82.07 | 358 | 1 | 2 | 3 | 2008 | Yes | PW |
| Curve 357M | 79.8 | 357 M | 1 | 3 | 3 | Traffic Noise/ Lumber Yard | Yes | PW |
| Gunpow | 79.53 | 357 M | 1 North/1 South | 0 | 2 | Limited Visibility | No | PW |
| Curve | 108.42 | 392 | 1 | 2 | 2 | Train 655 - Siding | No | PW |
| Curve 391 | 106.88 | 391 | 1 | 1 | 4 | Airplane noise all day 2113 Acela | No | PW |
| Curve 390 | 106 | 390 | 1 | NEC 5 | SEC/N <br> B 4/4 <br> Both <br> Dir. | NEC- North End Curve-Sec- South End Curve/NB- North Bound- This Curve is very and long--- Could use Permanent Whistle Boards on cat pole for safety. Near BWI Station/Very Frequent train travel. | No | PW |
| Curve 389 | 104.75 | 389 | 1 | 1 | 4 | Grade- Highway noise | No | PW |
| Curve 388 | 104.1 | 388 | 1 | 5 | 5 | Marc Train 54/ Acela 2028 Rear 2027 | No | PW |
| Curve 387 | 103.7 | 387 | 1 | 5 | 2 | Highway Noise | No | PW |
| WINANS | 103 | 386 | 1 | 1 | 1 | Noise around Station/ Marc Loc. 7757 | Yes | PW |
| Landover MD | 128.95 | 411 | 1 | 2 | 2 | Landover Tower/ Noisy Metro trains upper level/ Radio Dead sections/ while in this area we timed Acela, Metro and Marc trains. | Hot spot Stickers where up | PW |
| Curve 410 | 127.7 | 410 | 1 | 4 | 3 | Train 953 East Train 609 West Good Visibility | No | PW |
| Carroll Interlocking | 127.4 | 409.1 | 1 | 2 | 1 | Good Visibility | No | PW |
| Carroll | 126.8 | 409 | 1 | 4 | 3 | High Way Noise | No | PW |
| Curve 408 | 126.2 | 408 | 1 | 3 | 3 | Good Visibility | No | PW |
| Curve 407 | 125.5 | 407 | 1 | 2 | 2 | Good Visibility | No | PW |
| Curve 406 | 122 | 406 | 1 | 1 | 1 | Good Visibility in both directions | No | PW |
| Bowie | 120.3 | 405 | 1 | 1 | 3 | Train Test/ Fair Visibility | No | PW |
| Jericho Park | 119.7 | 404 | 1 | 3 | 2 | 2 trains Tested for time | No | PW |
| Curve 403 | 118.4 | 403 | 1 | 1 | 3 | Train Time TEST | No | PW |
| Curve 402 | 117.7 | 402 | 1 | 3 | 4 | Two Acela Trains | No | PW |
| Curve 401 | 117.5 | 401 | 1 | 4 | 1 | Long Curve |  | PW |
| Landover MD | 128.95 | 411 | 1 | 2 | 2 | Landover Tower/ Noisy Metro trains upper level/ Radio Dead sections/while in this area we timed Acela, Metro and Marc trains | Hot spot Stickers where up | PW |
| Curve 410 | 127.8 | 410 | 1 | 4 | 8 | Train 953 East Train 609 West Good Visibility | No | PW |
| Carroll Interlocking | 127.4 | 409.1 | 1 | 2 | 4 | Limited Visibility | No | PW |
| Carroll | 126.8 | 409 | 1 | 4 | 3 | High Way Noise | No | PW |
| Curve 408 | 126.2 | 408 | 1 | 3 | 3 | High Way Noise | No | PW |
| Curve 407 | 125.5 | 407 | 1 | 2 | 2 | Limited Visibility | No | PW |


| MAD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | PW |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Curve 406 | 122 | 406 | 1 | 1 | 1 | Good Visibility in both directions | No | PW |
| Bowie | 120.3 | 405 | 1 | 1 | 3 | Train/ Time Test | No | PW |
| Jericho Park | 119.7 | 404 | 1 | 3 | 2 | 2 trains Tested for time | No | PW |
| Curve 403 | 118.4 | 403 | 1 | 1 | 3 | Train Time Test | No | PW |
| Curve 402 | 117.7 | 402 | 1 | 3 | 4 | Two Acela Trains | No | PW |
| Curve 401 | 117.5 | 401 | 1 | 4 | 1 | Long Curve | No | PW |
| South of Landover | 129.5 | 412 | 1 | 1 | 1 | Metro behind us - noise | No | PW |
| Cheverly | 130 | 413 | 1 | 1 | 1 | Highway 50 noise/ B\&O Trains in this area | No | PW |
|  | 133.2 | 414 | 1 gang | 2 | 2 | Fair Visibility | No | PW |

## Philadelphia to Harrisburg (PH)

| MAD Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | PH |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Harrisburg Line 44th sty Zoo / JO | 3.25 | 608 | 1 | 1 |  | Limited Visibility | No | PH |
| Valley Curve | 4.0-4.2 | 609 | 1 | 1 |  | Limited Visibility | No | PH |
| Viaduct | 4.0-4.2 | none |  |  |  | Fouls only; Close Clearance | No | PH |
| Merion Curve | 5-6 | 611 | 1 | 3 |  | Limited Visibility | No | PH |
| Narberth Curve | 6-7 |  | 1 | 3 |  | Limited Visibility | No | PH |
| Curve 613 | 7.4-8.1 | 613 | 1 | 3 |  | Limited Visibility | No | PH |
| Curve 614 | 8.8-9.1 | 614 | 1 | 1 |  | Limited Visibility | No | PH |
| Curve 615 | 9.4-9.6 | 615 | 1 | 1 |  | Limited Visibility | No | PH |
| Curve 616-617 | 10.6-11.4 | 616-617 | 1 | 2 |  | Limited Visibility | No | PH |
| Curve 618 Villa Nova | 11.8-11.9 | 618 | 1 | 1 |  | Limited Visibility | No | PH |
| Curve 619A Blue Route-Radnor | 12.5-13 | 619A | 1 | 3 |  | Limited Visibility | No | PH |
| Curve 619B Radnor Station | 13-13.3 | 619B | 1 | 3 |  | Limited Visibility | No | PH |
| Curve 620 St David Sta | 13.4-13.7 | 620 | 1 | 2 |  | Limited Visibility | No | PH |
| Curve 621 Wayne Sta | 14.5-14.7 | 621 | 1 | 1 |  | Limited Visibility | No | PH |
| Curve 622A Wayne sta -15.2 | 14.9-15.25 | 622A | 1 | 2 |  | Limited Visibility | No | PH |
| Curve 622B Strafford sta15.6 | 15.4-15.6 | 622B | 1 | 3 |  | Limited Visibility | No | PH |
| Curve 622C | 15.8-16 | 622C | 1 | 1 |  | Limited Visibility | No | PH |
| Curve 6203 Devon -mp17 | 16.7-17 | 623 | 1 | 3 |  | Limited Visibility | No | PH |
| Curve 624 Berwyn sta 17.6 | 17.3-17.6 | 624 | 1 | 3 |  | Limited Visibility | No | PH |
| Curve 625 17.9Daylesford sta. | 17.9-18.6 | 625 | 1 | 2 |  | Limited Visibility | No | PH |
| Curve 626 east end Paoli int. | 19.2-19.4 | 626 | 1 | 0 |  | Limited Visibility | No | PH |
| Curve 627west of Paoli -20.5 | 20-20.5 | 627 | 1 | 1 |  | Limited Visibility | No | PH |
| Sugar Town East end | 22 | Hot Spot | 1 | 2 | 1 | 4 Watchman in the middle of the curve Signal East - Train 9651 on the rear | No | PH |
| Sugar Town West end | 23-22 | Hot Spot | 1 | 1 | 1 | Good Visibility | No | PH |
| Quarry \& Bradford Hills | 30.5 | Hot Spot | 1 | 1 | 3 | 5 Watchmen in the Curve/ Bradford Hills Noise Two Curves the same number of employees | No | PH |
| Gallagherville Tunnel | 34 | Hot Spot | 1 | 2 | 1 | Short Tunnel/ no Clearance | No | PH |


| MAD <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | PH |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Stone Bridge Curve Coatesville West | 39.2 | Hot Spot | 1 | 1 | 1 | Noisy Traffic | No | PH |
| Christiana | 48.1-47.6 | Hot Spot | 1 | 1 | 3 | Possible 7 in Curve | No | PH |
| West Christiana 49 | 49 | Hot Spot | 1 | 1 | 1 | Good Visibility | No | PH |
| West Gap | 51 | No Number | 1 | 2 | 2 | Route 741 Noise - Lots of it. Train 644 | No | PH |
| West Gap | 52 | No Number/ Cap Curve | 1 | 1 | 2 | Traffic Noise - Vegetation - 5 Watchmen in the curve | No | PH |
| MP 53 | 53 | No <br> Number/Ga p Curve | 1 | 1 | 2 | Train 933 East- Traffic Noise Corn Field | No | PH |
| Kinzer Boat | 54 | yes | 1 | 1 | 2 | Route 30 noise | No | PH |
| Stock Lumber West | 56.63 | yes | 1 | 1 | 2 | Good Visibility in both directions | No | PH |
| Mount Joy Curve | 80 | yes | 1 | 1 | 2 | Signal West Bound Pulled | No | PH |
| West of Mount Joy Curve | 81 | not listed | 1 | 1 | 2 | Train 646 East Train 641 West Based on 10 cat poles with a watchman @ 2.5 cat poles of visibility and train speed | No | PH |
| 81.3 Florin Bell | 81.3 | Hot Spot | 1 | 1 | 2 | Feed mill noise | No | PH |
| 82.5 West to RHEEMS | 82.5 | New <br> Interlocking <br> / High <br> Speed | 1 | 1 | 3 | Train 953 East Train 609 West Good Visibility | No | PH |
| 83.7 Substation | 83.7 | No Number | 1 | 1 | 2 | Good Visibility | No old one faded | PH |
| Elizabethtown Curve East | 86 | No Number | 1 | 1 | 2 | Signal East Pulled Feed Mill - In the middle of the Curve requires 2 additional watchmen Train 650 | Faded | PH |

North East Division

| NED <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced <br> Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Tower 1 | 228.6-229.1 | Multiple | 1 | 0 |  | Limited Visibility/Close Clearance Watchmen in conjunction w/Foul Time | N | NED |
| Southwest Corridor | 227.7-223.5 |  | foul time only |  |  | Foul Time ONLY/Limited Clearance | N | NED |
| Hyde Park | 220.6-220.9 | 15 | 1 | 1 |  | Limited Visibility | N | NED |
| Hyde Park Station | 220.5-220.7 |  | 1 | 2 |  | Limited Clearing Intertrack - Fence | N | NED |
| 128 Industrial Park | 215.7-216.1 | 16 | 1 | 3 |  | Close Clearance/Limited Visibility | Y | NED |
| Canton Station | 213.9-213.6 |  | 1 | 5 |  | Limited Clearing/Intertrack Fence/Watchmen to be placed on Viaduct | Y | NED |
| Canton Viaduct | 213.0-213.8 |  | 1 | 3 |  | Limited Visibility/Close Clearance on Viaduct | Y | NED |
| High St. Curve | 213.0-212.5 | 18 | 1 | 1 |  | Limited Visibility | Y | NED |
| Sharon Station | 210.6-210.7 | 20 | 1 | 2 |  | Intertrack Fence/Limited Visibility | Y | NED |
| Sharon Curve | 209.6-210.2 | 21 | 1 | 3 |  | Limited Clearing/Partial Intertrack Fence | Y | NED |
| Mansfield Station | 204.1-203.9 |  | 1 | 1 |  | Limited Clearing/Intertrack Fence | Y | NED |
| Attleboro Station | 197.6-197.1 |  | 1 | 1 |  | Limited Clearing/Intertrack Fence | Y | NED |
| Hebronville curve | 193.8-194.5 | 24 | 1 | 6 |  | Limited Visibility | Y | NED |
| Tin Bridge | 189.9-190.5 | 26 | 1 | 3 |  | Limited Visibility/watchman placed on bridge | Y | NED |
| Pawtucket Station | 190.0-189.6 | 27 | 1 | 3 |  | Close Clearance/Limited Visibility | Y | NED |
| Conant St. | 188.9-189.3 | 28 | 1 | 1 |  | Limited Visibility/Highway Noise | Y | NED |
| Branch Ave. | 186.5-186.6 | 35 | 1 | 4 |  | Limited Visibility/Highway Noise | Y | NED |
| West River | 186.4-186.5 | 36 | 1 | 3 |  | Limited Visibility | Y | NED |
| Charles St | 186.4-186.2 | 37 | 1 | 2 |  | Limited Visibility/Highway Noise | Y | NED |
| Orms St | 185.5-185.6 | 38 | 1 | 1 |  | Limited Visibility/Highway Noise | Y | NED |
| Orms Interlocking | 185.7-186.0 |  | 1 | 3 |  | Close Clearance/Limited Visibility/Noise | Y | NED |
| Providence Station | 184.9-185.5 | 39 | 1 | 6 |  | Close Clearance/Limited Visibility/Noise | Y | NED |
| Providence Station | 184.8-184.9 | 40 | 1 | 1 |  | Limited Visibility | Y | NED |
| Providence Station | 184.5-184.6 | 41 | 1 | 2 |  | Limited Visibility | Y | NED |
| Providence Station | 184.4-184.5 | 42 | 1 | 1 |  | Limited Visibility | Y | NED |
| Atwells | 184.2-183.7 | 43 | 1 | 4 |  | Limited Visibility | Y | NED |
| Broadway | 183.5-183.6 | 44 | 1 | 1 |  | Close Clearance/Limited Visibility/Noise | Y | NED |
| Cranston St | 182.9-182.4 | 45 | 1 | 5 |  | Close Clearance/Limited Visibility/Noise | Y | NED |
| Cranston St | 181.8-182.0 | 46 | 1 | 1 |  | Limited Visibility | Y | NED |
| Roger Williams Ave. | 180.5-181.1 | 47 | 1 | 6 |  | Limited Visibility | Y | NED |
| Apponaug Cove | 173.8-174.4 | 50 | 1 | 4 |  | Close Clearance/Limited Visibility | Y | NED |
| Masthead | 173.0-173.4 | 51 | 1 | 2 |  | Limited Visibility | Y | NED |
| King St | 171.6-172.3 | 52 | 1 | 5 |  | Limited Visibility | Y | NED |
| Forge Rd | 170.5-170.9 | 53 | 1 | 1 |  | Limited Visibility | Y | NED |
| Wolf Rock Rd | 159.7-160.5 | 58 | 1 | 5 |  | Limited Visibility | Y | NED |
| Miantonomi Rd | 153.9-154.3 | 61 | 1 | 4 |  | Limited Visibility | Y | NED |


| NED <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Hoxies Rd | 153.1-153.6 | 62 | 1 | 5 |  | Limited Visibility/Highway Noise | Y | NED |
| Carolina Curve | 151.9-152.5 | 63 | 1 | 5 |  | Close Clearance/Limited Visibility | Y | NED |
| Carolina Curve | 150.8-151.0 | 64 | 1 | 2 |  | Limited Visibility | Y | NED |
| Pawcatuck River | 148.6-149.4 | 65 | 1 | 6 |  | Limited Visibility | Y | NED |
| Burdickville Rd | 147.3-148.1 | 66 | 1 | 6 |  | Limited Visibility | Y | NED |
| Burdickville Rd | 145.2-145.4 | 67 | 1 | 4 |  | Limited Visibility | Y | NED |
| Dixons swamp | 144.1-144.6 | 68 | 1 | 5 |  | Limited Visibility | Y | NED |
| High St | 142.4-142.6 | 69 | 1 | 1 |  | Close Clearance/Limited Visibility | Y | NED |
| Cement plant | 141.7-142.1 | 70 | 1 | 2 |  | Limited Visibility | Y | NED |
| Westerly Station | 141.2-141.3 | 71 | 1 | 5 |  | Close Clearance/Limited Visibility Intertrack Fence | Y | NED |
| Palmer St | 139.4-140.2 | 72 | 1 | 5 |  | Limited Visibility | Y | NED |
| Greenhaven Rd | 138.5-139.0 | 73 | 1 | 4 |  | Limited Visibility | Y | NED |
| Greenhaven Rd | 138.3-138.4 | 74 | 1 | 3 |  | Limited Visibility | Y | NED |
| Elm St Footbridge | 136.1-136.5 | 75 | 1 | 3 |  | Limited Visibility | Y | NED |
| East Harbor | 135.5-135.7 | 76 | 1 | 2 |  | Limited Visibility | Y | NED |
| West Harbor | 134.9-135.6 | 77 | 1 | 3 |  | Limited Visibility | Y | NED |
| Lords Point | 134.5-134.7 | 78 | 1 | 2 |  | Limited Visibility | Y | NED |
| Wilcox Cove | 133.4-133.8 | 79 | 1 | 3 |  | Limited Visibility | Y | NED |
| Latimer Point rd | 133.3-133.4 | 80 | 1 | 3 |  | Limited Visibility/Road Crossing | Y | NED |
| Mystic Curve | 132.7-132.2 | 81 | 1 | 3 |  | Limited Visibility/Road Crossing | Y | NED |
| School St | 131.4-131.9 | 82 | 1 | 3 |  | Limited Visibility/Road Crossing | Y | NED |
| Noank Cove | 130.6-131.3 | 83 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Moser Ave | 130.0-130.3 | 84 | 1 | 3 |  | Limited Visibility/Limited Clearance | Y | NED |
| Brook St. | 129.4-129.7 | 85 | 1 | 3 |  | Limited Visibility/Limited Clearance | Y | NED |
| Palmers Cove | 129.4-129.0 | 86 | 1 | 3 |  | Limited Visibility | Y | NED |
| Gardiners Rd | 127.2-127.6 | 87 | 1 | 1 |  | Limited Visibility | Y | NED |
| Pequonnock Rd | 126.4-126.6 | 88 | 1 | 2 |  | Limited Visibility | Y | NED |
| Pequonnock Rd | 125.8-126.1 | 89 | 1 | 2 |  | Limited Visibility | Y | NED |
| Buddington Rd | 125.5-125.9 | 90 | 1 | 3 |  | Limited Visibility | Y | NED |
| Sharp Highway | 125.5-124.6 | 91 | 1 | 4 |  | Limited Visibility | Y | NED |
| Fairview Ave. | 124.5-124.3 | 92 | 1 | 2 |  | Limited Visibility | Y | NED |
| New London Station | 123.8-123.1 | 93 | 1 | 4 |  | Station/Crossings-2/Limited Visibility | Y | NED |
| State St. | 123.1-122.5 | 94 | 1 | 4 |  | Road Crossing/Limited Visibility | Y | NED |
| Shaws Cove MVB | 122.5-122.6 | 95 | 1 | 2 |  | Moveable bridge/Limited Clearance | Y | NED |
| Ocean Ave. | 121.5-120.6 | 98 | 1 | 4 |  | Limited Visibility/Limited Clearance | Y | NED |
| Great Neck Rd | 120.1-119.8 | 99 | 1 | 3 |  | Limited Visibility/Limited Clearance | Y | NED |
| Great Neck Rd | 119.5-119.0 | 100 | 1 | 3 |  | Limited Visibility/Limited Clearance | Y | NED |
| Jordan's Cove | 118.9-119.0 | 101 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Gardiner's Wood Rd | 118.5-118.1 | 102 | 1 | 3 |  | Limited Visibility/Limited Clearance | Y | NED |
| Millstone | 117.6-117.3 | 103 | 1 | 5 |  | Limited Visibility/Limited Clearance | Y | NED |
| Niantic Draw Bridge | 117.3-116.7 | 104 | 1 | 5 |  | Limited Visibility/Limited Clearance Draw Bridge | Y | NED |
| Nan Curve | 116.7-115.8 | 105 | 1 | 5 |  | Limited Clearance | Y | NED |
| Black Point Rd | 114.6-114.3 | 106 | 1 | 1 |  | Limited Visibility/Limited Clearance | Y | NED |
| Giants Neck Rd | 114.1-113.2 | 107 | 1 | 5 |  | Limited Visibility/Limited Clearance | Y | NED |

Page 22| 23

| NED <br> Name of Location | MP | Curves | \# of Gang Watchmen | \# of Advanced <br> Watchmen |  | Comments | Hot Spot Stickers Applied | Sub Division |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | West | East |  |  |  |
| Rocky Neck Pass | 112.6-112.8 | 108 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Rocky Neck Ftbdg. | 112.6-112.4 | 109 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Four Mile River | 112.3-112.1 | 110 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Four Mile River | 111.2-110.9 | 111 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Cross Lane | 110.7-110.1 | 112 | 1 | 3 |  | Limited Visibility/Limited Clearance | Y | NED |
| Cross Lane | 110.0-109.6 | 113 | 1 | 3 |  | Limited Visibility/Limited Clearance | Y | NED |
| Mile Creek Rd | 109.2-108.4 | 114 | 1 | 3 |  | Limited Visibility/Limited Clearance | Y | NED |
| Lieutenant River | 107.4-107.1 | 115 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Conn River Draw | 106.6-106.8 |  | 1 | 1 |  | Limited Visibility/Limited Clearance | Y | NED |
| View Int. | 106.7-106.4 | 116 | 1 | 1 |  | Limited Visibility/Limited Clearance | Y | NED |
| US 1 | 105.3-105.2 | 117 | 1 | 1 |  | Limited Visibility/Limited Clearance | Y | NED |
| Ingram Hill Rd | 104.2-104.4 | 118 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Schoolhouse Rd | 103.4-103.4 | 119 | 1 | 1 |  | Limited Visibility/Limited Clearance | Y | NED |
| Schoolhouse Rd | 101.9-102.2 | 120 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Westbrook | 100.0-101.0 | 121 | 1 | 5 |  | Limited Visibility | Y | NED |
| Westbrook | 100.0-99.8 | 122 | 1 | 2 |  | Limited Visibility | Y | NED |
| Westbrook | 99.0-98.0 | 123 | 1 | 5 |  | Limited Visibility/Limited Clearance | Y | NED |
| Clinton | 97.5-97.9 | 124 | 1 | 1 |  | Limited Visibility/Limited Clearance | Y | NED |
| Cow Hill Rd | 97.0-96.6 | 125 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Hammonasset River | 94.21-94.9 | 126 | 1 | 4 |  | Limited Visibility/Limited Clearance | Y | NED |
| Madison | 93.0-93.4 | 127 | 1 | 1 |  | Limited Visibility | Y | NED |
| Madison | 91.5-91.8 | 128 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Guilford Int. | 91.0-90.0 | 129 | 1 | 2 |  | Limited Visibility | Y | NED |
| Guilford Station | 88.6-893 | 130 | 1 | 2 |  | Limited Visibility/close clearance | Y | NED |
| Island Creek | 87.3-87.5 | 131 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Moose Hill Rd | 86.6-86.4 | 136 | 1 | 1 |  | Limited Visibility | Y | NED |
| Stoney Creek | 86.1-86.5 | 137 | 1 | 1 |  | Limited Visibility | Y | NED |
| Rte 146 | 83.9-83.2 | 138 | 1 | 1 |  | Limited Visibility | Y | NED |
| Pine Orchard Rd | 82.5-82.7 | 139 | 1 | 1 |  | Limited Visibility | Y | NED |
| Pine Orchard Rd | 82.5-82.0 | 140 | 1 | 2 |  | Limited Visibility | Y | NED |
| Montwese St | 81.8-81.5 | 141 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Branford Int. | 81.4-81.2 | 142 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Branford Station | 80.9-80.6 | 143 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| Branford Station | 80.3-80.0 | 144 | 1 | 2 |  | Limited Visibility/Limited Clearance | Y | NED |
| West Main St | 80.0-79.3 | 144.1 | 1 | 7 |  | Limited Visibility/Limited Clearance | N | NED |
| Lake Saltonstall | 78.8-78.4 | 145 | 1 | 6 |  | Limited Visibility/Limited Clearance | N | NED |
| High St. | 78.3-78.1 | 146 | 1 | 6 |  | Limited Visibility/Limited Clearance | N | NED |
| High St. | 77.5-76.9 | 147 | 1 | 6 |  | Limited Visibility/Limited Clearance | N | NED |
| Hemmingway St | 75.9-74.4 | 148 | 1 | 10 |  | Limited Visibility/Limited Clearance | N | NED |
| 1-91 | 74.2-74.1 | 149 | 1 | 2 |  | Limited Visibility/Limited Clearance | N | NED |
| James St | 73.9-73.8 | 150 | 1 | 2 |  | Limited Visibility/Limited Clearance | N | NED |
| Mill River Int. | 73.7-73.5 | 151 | 1 | 2 |  | Limited Visibility/Limited Clearance | N | NED |
| East St | 73.4-73.1 | 152 | 1 | 4 |  | Limited Visibility/Limited Clearance | N | NED |

