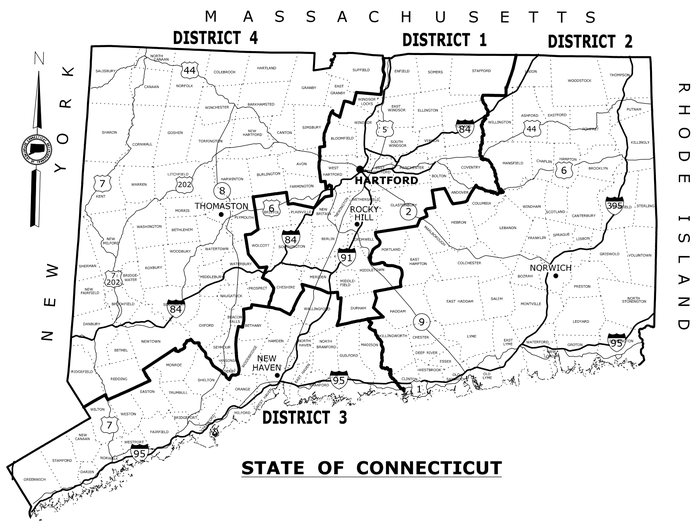
# CONNECTICUT DEPARTMENT OF TRANSPORTATION

*Plans For*

# INSTALLATION OF RUMBLE STRIPS STATEWIDE

*Town(s)*

## VARIOUS




**STATE OF CONNECTICUT**

| ROAD | MAINTENANCE RESPONSIBILITY | LENGTH |
|---|---|---|
| Routes 8, 9, 15, I-84, I-95, I-291 | STATE | VARIES |

| F.A.P. # | MAINTENANCE RESPONSIBILITY | PROJECT # |
|---|---|---|
| 000R(704) | STATE | 0170-2829 |

## GENERAL NOTES:

1. FEDERAL AID PROJECT NO.
2. F.H.W.A. REGION NO. 1
3. CONSTRUCTION SPECIFICATIONS:
   Connecticut Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, dated 2004; Supplemental Specifications, dated July 2010; and Special Provisions
4. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM SYSTEM N.A.D. 1927 N.A.D. 1983
5. VERTICAL DATUM BASED ON NGVD OF 1929 NAVD 1988

## LIST OF SUBSETS

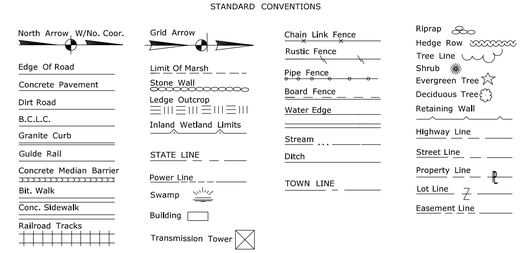
| SUBSET NO. | SUBSET TITLE | *SUBSET SHEET COUNT |
|---|---|---|
| 01 | GENERAL | 3 |
| 02 | REVISIONS | 1 |
| | CTDOT_TRAFFIC_STD | 3 |

*THE INITIAL SUBSET SHEET COUNT DOES NOT INCLUDE ADDENDUMS AND CHANGE ORDERS

## LIST OF DRAWINGS
## SUBSET 01 - GENERAL

| DRAWING TITLE | DRAWING NO. |
|---|---|
| TITLE SHEET | GEN-1 |
| DETAILED ESTIMATE SHEET | GEN-2 |
| INSTALLATION LOCATIONS SHEET | GEN-3 |

STANDARD CONVENTIONS




THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

Charles S. Harlow
2011.08.18 13:16:48 -04'00'

SUBMITTED BY: TRANSPORTATION PRINCIPAL ENGINEER - CHARLES S. HARLOW

James H. Norman
2011.08.26 10:59:01 -04'00'

APPROVAL RECOMMENDED BY: ACTING MANAGER OF TRAFFIC ENGINEERING - TIMOTHY M. WILSON

James H. Norman
2011.08.26 10:59:37 -04'00'

APPROVED BY: TRANSPORTATION ENGINEERING ADMINISTRATOR - JAMES H. NORMAN

*Plans For*
INSTALLATION OF RUMBLE STRIPS STATEWIDE

*Town(s)*
VARIOUS

STATE PROJECT NO.
**0170-2829**

DRAWING NO.
**GEN-1**

SHEET NO.
**01.01**

# FEDERAL AID PARTICIPATING

| PROJECT 170-2829 | TRAFFIC SIGNAL ITEMS | | | | | | |
|---|---|---|---|---|---|---|---|
| | ITEM NO. | 0406287A | 0406288A | 0971001A | 0978002 | 0981100 | 1220013A | 1806200 |
| | | RUMBLE STRIPS AUTOMATED | RUMBLE STRIPS AUTOMATED | MAINTENANCE AND PROTECTION OF TRAFFIC | TRAFFIC DRUM | 42" TRAFFIC CONE | CONSTRUCTION SIGNS - BRIGHT FLUORESCENT SHEETING | TYPE D PORTABLE IMPACT ATTENUATION SYSTEM |
| | | L.F. | L.F. | L.S. | EA. | EA. | S.F. | HR. |
| TOTAL | | 987,360 | 174,240 | L.S. | 40 | 40 | 270 | 1100 |

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|---|---|---|---|
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 8/17/2011

DESIGNER/DRAFTER: YSS

CHECKED BY: SPC

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_EST_0170_2829.dgn

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY: DATE:

PROJECT TITLE:

INSTALLATION OF RUMBLE STRIPS STATEWIDE

TOWN: VARIOUS

DRAWING TITLE: DETAILED ESTIMATE SHEET

PROJECT NO. 170-2829

DRAWING NO. GEN-2

SHEET NO. 01.02

## Route 8

### Northbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 51.74 | Begin | Exit to Kennedy Dr. (Exit 45) | Torrington | |
| 57.86 | Loop | 0.5 miles North of Underpass New St. | Winchester | |
| 58.00 | End | End of Expressway Portion | Winchester | **6.26** |

### Northbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 53.61 | Begin | End of Climbing Lane | Torrington | |
| 57.86 | Loop | 0.5 miles North of Underpass New St. | Winchester | |
| 58.00 | End | End of Expressway Portion | Winchester | **4.39** |

### Southbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 58.21 | Begin | Beginning of Expressway portion | Winchester | |
| 57.90 | Loop | 0.5 miles North of Underpass New St. | Winchester | |
| 51.83 | End | Overpass Kennedy Dr. | Torrington | **6.38** |

### Southbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 58.21 | Begin | Beginning of Expressway portion | Winchester | |
| 57.90 | Loop | 0.5 miles North of Underpass New St. | Winchester | |
| 51.95 | End | Overpass Kennedy Dr. | Torrington | **6.26** |

## Route 9

### Northbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 3.96 | Begin | Overpass Rt. 153 & 154 | Essex | |
| 10.58 | End | Exit to Rt. 82 (Exit 7) | Chester | **6.62** |

### Northbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 3.96 | Begin | Overpass Rt. 153 & 154 | Essex | |
| 10.40 | End | Exit to Rt. 82 (Exit 7) | Chester | **6.62** |

### Southbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 11.54 | Begin | Chester Town Line | Chester | |
| 3.84 | End | Overpass Rt. 153 | Essex | **7.70** |

### Southbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 11.54 | Begin | Chester Town Line | Chester | |
| 3.84 | End | Overpass Rt. 153 | Essex | **7.70** |

## Route 15

### Northbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 0.00 | Begin | Exit to NY Rt. 120a | Greenwich | |
| 1.52 | Loop | 0.2 Miles South of Overpass Br. Byrm River | Greenwich | |
| 7.70 | End | Greenwich/Stamford TL | Greenwich | **7.70** |

### Southbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 7.70 | Begin | Greenwich/Stamford TL | Greenwich | |
| 1.50 | Loop | 0.2 Miles South of Overpass Br. Byrm River | Greenwich | |
| 0.10 | End | New York State | Greenwich | **7.60** |

## Interstate 84

### Eastbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 42.54 | Begin | Overpass Marion Ave. | Southington | |
| 49.10 | End | Overpass Woodford Ave. | Plainville | **6.56** |

### Eastbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 57.55 | Begin | Underpass Mayflower St. | W.Hartford | |
| 59.92 | Loop | 0.2 Miles West of Overpass Hamilton St. | Hartford | |
| 60.10 | End | Overpass Hamilton St. | Hartford | **2.55** |

### Eastbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 63.43 | Begin | Underpass I-84 Tr. 831 | E. Hartford | |
| 64.68 | End | Access from Rt. 2 EB | E. Hartford | **1.25** |

### Eastbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 57.55 | Begin | Underpass Mayflower St. | W.Hartford | |
| 59.92 | Loop | 0.2 Miles West of Overpass Hamilton St. | Hartford | |
| 60.70 | End | Underpass Sisson Ave. | Hartford | **3.15** |

### Eastbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 63.25 | Begin | Underpass Rt. 2 WB | E. Hartford | |
| 63.29 | Loop | Underpass Rt. 2 WB | E. Hartford | |
| 64.74 | Loop | 0.15 Miles West of Underpass Roberts St. | E. Hartford | |
| 66.96 | Loop | 0.3 Miles West of Underpass I-384 | E. Hartford | |
| 67.56 | End | Overpass Hocksnum Rv. | Manchester | **4.31** |

### Westbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 67.66 | Begin | Access From I-291 | Manchester | |
| 64.45 | Loop | 0.4 Miles West of Underpass Roberts St. | E. Hartford | |
| 63.37 | Loop | Overpass Hocksnum Rv. | E. Hartford | |
| 63.33 | End | Overpass Hocksnum Rv. | E. Hartford | **4.33** |

### Westbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 60.70 | Begin | Underpass Sr. 503 | Hartford | |
| 58.95 | Loop | Underpass Oakwood Ave. | W.Hartford | |
| 57.54 | End | Underpass Mayflower St. | W.Hartford | **3.16** |

### Westbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 60.70 | Begin | Underpass Sr. 503 | Hartford | |
| 58.95 | Loop | Underpass Oakwood Ave. | W.Hartford | |
| 57.54 | End | Underpass Mayflower St. | W.Hartford | **3.16** |

### Westbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 77.26 | Begin | Overpass Rt. 31 (Reservoir Rd.) | Vernon | |
| 75.69 | End | Bamforth Rd. | Vernon | **1.57** |

### Westbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 77.26 | Begin | Overpass Rt. 31 (Reservoir Rd.) | Vernon | |
| 75.69 | End | Bamforth Rd. | Vernon | **1.57** |

### Eastbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 80.23 | Begin | 0.4 Miles West of Overpass Cider Mill Rd. | Tolland | |
| 80.66 | End | Overpass Cider Mill Rd. | Tolland | **0.43** |

### Eastbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 82.17 | Begin | 0.5 Miles Underpass Old Cathole Rd. | Tolland | |
| 85.60 | End | Overpass Rt. 32 (River Rd.) | Willington | **3.43** |

## Interstate 95

### Northbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 0.10 | Begin | Overpass River Ave. | Greenwich | |
| 0.36 | Loop | Underpass James St. | Greenwich | |
| 7.20 | End | Exit to Greenwich Ave. (Exit 7) | Greenwich | **7.10** |

### Northbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 0.10 | Begin | Overpass River Ave. | Greenwich | |
| 0.36 | Loop | Underpass James St. | Greenwich | |
| 7.20 | End | Exit to Greenwich Ave. (Exit 7) | Greenwich | **7.10** |

### Northbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 18.54 | Begin | Overpass Rt. 136 and Saugatuck Tv. | Westport | |
| 20.00 | End | Exit to Sr. 476 (Exit 18) | Westport | **1.46** |

### Southbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 22.40 | Begin | Westport/Fairfield TL | Fairfield | |
| 18.53 | End | Overpass Rt. 136 and Saugatuck Tv. | Westport | **3.87** |

### Southbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 22.40 | Begin | Westport/Fairfield TL | Fairfield | |
| 18.53 | End | Overpass Rt. 136 and Saugatuck Tv. | Westport | **3.87** |

### Northbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 26.35 | Begin | Exit to Rt. 1 (Exit 24) | Fairfield | |
| 44.56 | Loop | Underpass Steven St. | West Haven | |
| 45.71 | End | Overpass West River | West Haven | **19.36** |

### Northbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 26.44 | Begin | Exit to Rt. 1 (Exit 24) | Fairfield | |
| 44.56 | Loop | Underpass Steven St. | West Haven | |
| 45.71 | End | Overpass West River | West Haven | **19.27** |

### Southbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 45.71 | Begin | Overpass West River | West Haven | |
| 44.56 | Loop | Underpass Steven St. | West Haven | |
| 26.31 | Loop | Overpass New England Ave. | Fairfield | |
| 26.02 | End | Overpass Grasmere Ave | Fairfield | **19.69** |

### Southbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 45.71 | Begin | Overpass West River | West Haven | |
| 44.56 | Loop | Underpass Steven St. | West Haven | |
| 26.31 | Loop | Overpass New England Ave. | Fairfield | |
| 26.02 | End | Overpass Grasmere Ave | Fairfield | **19.69** |

## Interstate 291

### Eastbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 0.23 | Begin | Overpass I-91 | Windsor | |
| 5.60 | End | Exit to I-84 WB | Manchester | **5.37** |

### Eastbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 0.23 | Begin | Overpass I-91 | Windsor | |
| 1.40 | End | Overpass Connecticut River | South Windsor | **1.17** |

### Eastbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 3.44 | Begin | 0.5 Miles West of Underpass Long Hill Rd. | South Windsor | |
| 3.60 | End | 0.3 Miles West of Underpass Long Hill Rd. | South Windsor | **0.16** |

### Eastbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 4.03 | Begin | 0.1 Miles East of Underpass Long Hill Rd. | South Windsor | |
| 4.32 | End | 0.4 Miles West of Underpass Long Hill Rd. | South Windsor | **0.29** |

### Eastbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 4.75 | Begin | 0.2 Miles West of Underpass Batson Rd. | Manchester | |
| 5.03 | End | Exit to Tolland Tpke | Manchester | **0.28** |

### Westbound Left Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 5.82 | Begin | Overpass I-84 | Manchester | |
| 4.50 | Loop | South Windsor TL | South Windsor | |
| 0.23 | End | Overpass I-91 | Windsor | **5.59** |

### Westbound Right Shoulder

| Cum. Mile | | Description | Town | Total Mileage |
|---|---|---|---|---|
| 4.57 | Begin | South Windsor TL | South Windsor | |
| 4.50 | Loop | South Windsor TL | South Windsor | |
| 3.12 | End | Exit to Rt. 5 (Exit 4) | South Windsor | **1.45** |

| TOTAL: | 218.42 |
|---|---|

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|---|---|---|---|
| - | - | - | - |
| - | - | - | - |
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| - | - | - | - |
| - | - | - | - |

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Plotted Date: 7/19/2011

DESIGNER/DRAFTER: YSS
CHECKED BY: SPC
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_LOC_0170_2829.dgn

SIGNATURE/BLOCK: OFFICE OF ENGINEERING
APPROVED BY: DATE:

PROJECT TITLE: INSTALLATION OF RUMBLE STRIPS STATEWIDE

TOWN: VARIOUS

DRAWING TITLE: INSTALLATION LOCATIONS SHEET

PROJECT NO. 170-2829
DRAWING NO. GEN-3
SHEET NO. 01.03