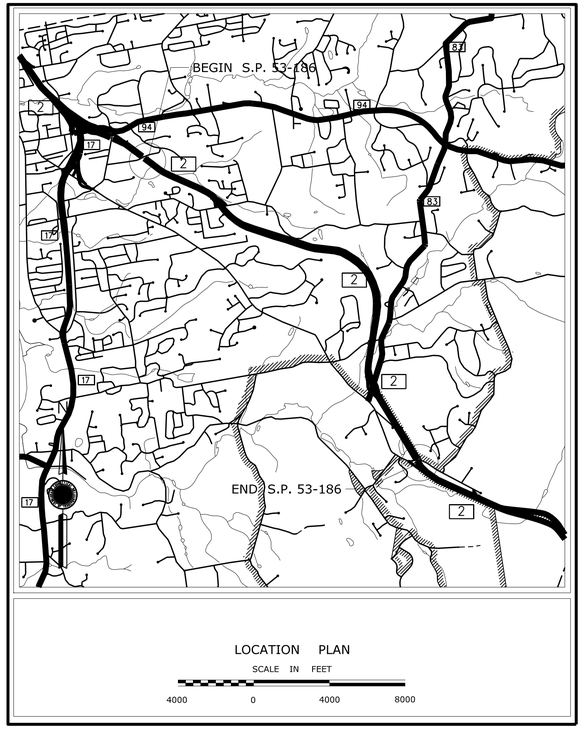
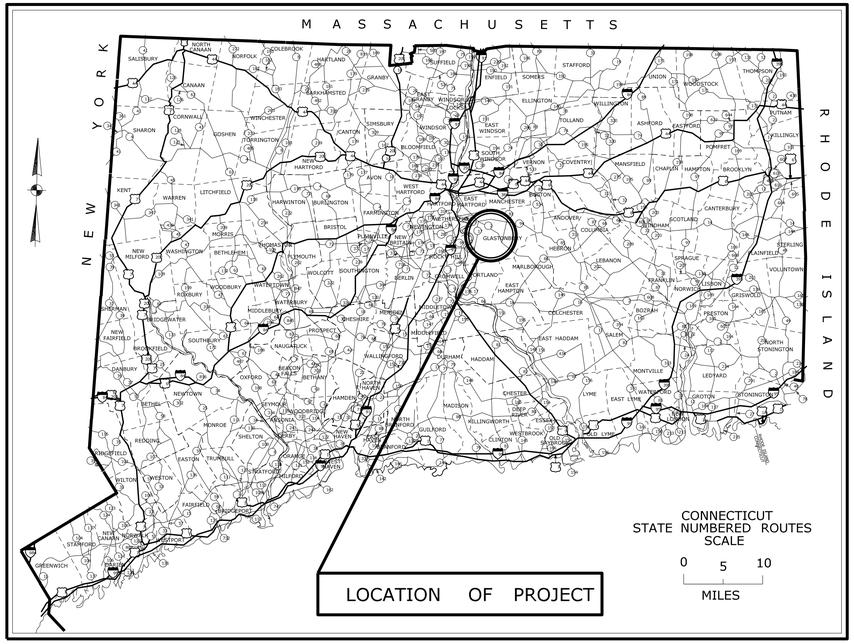
# CONNECTICUT
# DEPARTMENT OF TRANSPORTATION
# PLAN

FOR

## RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON ROUTE 2

IN THE TOWN(S) OF
GLASTONBURY




| | | | | | |
|---|---|---|---|---|---|
| FROM STA. | 215+00 | TO STA. | 458+00 | LENGTH | 24,300 ft. |
| FROM STA. | | TO STA. | | LENGTH | ft. |
| FROM STA. | | TO STA. | | LENGTH | ft. |

DESIGN SCALES
- PLAN 1 in. = 40 ft.
- PROFILE HOR. 1 in. = - ft. VERT. 1 in. = - ft.
- CROSS SECTIONS 1 in. = - ft.
- OTHER SCALES AS NOTED -

2004 SPECIFICATIONS, FORM 816 GOVERN INCLUDING SUPPLEMENT THERETO DATED JANUARY 2013
ALL ELEVATIONS ON THIS PROJECT BASED ON NGVD OF 1929
COORDINATES BASED ON CONNECTICUT COORDINATE SYSTEM NAD 1983

FEDERAL AID PROJECT NO. - TO BE MAINTAINED BY STATE OF CONNECTICUT STATE PROJECT NO. 53-186

HIGHWAY CLASSIFICATION:
GLASTONBURY TO (OVERPASS AT ROARING BROOK): URBAN FREEWAY
(OVERPASS AT ROARING BROOK) TO GLASTONBURY: RURAL EXPRESSWAY
DESIGN SPEED: 70 MPH

DESIGN STANDARDS:
AASHTO "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 2004"
CONNECTICUT DEPARTMENT OF TRANSPORTATION
"HIGHWAY DESIGN MANUAL, 2003"
"HIGHWAY CAPACITY MANUAL, 2000"

## LIST OF DISCIPLINE SUBSETS

| SUBSET NO. | SUBSET TITLE |
|---|---|
| 01 | GENERAL |
| 02 | REVISION SHEET |
| 03 | HIGHWAY |
| 04 | STRUCTURES |
| 05 | CTDOT TRAFFIC GUIDE SHEETS |
| - | CTDOT HIGHWAY STANDARD SHEETS |
| - | CTDOT TRAFFIC STANDARD SHEETS |
| - | - |
| - | - |
| - | - |
| - | - |
| - | - |
| - | - |

## LIST OF DRAWINGS IN SUBSET 01-GENERAL

| DRAWING NO. | TITLE |
|---|---|
| -- | TITLE SHEET |
| GEN-01 | DETAILED ESTIMATE 1 |
| GEN-02 | DETAILED ESTIMATE 2 |
| GEN-03 | DETAILED ESTIMATE 3 |
| GEN-04 | DETAILED ESTIMATE 4 |

CONNECTICUT DEPARTMENT OF TRANSPORTATION BIDDING AND OTHER INFORMATION AND DOCUMENTS WHICH ARE OBTAINED THROUGH THE INTERNET WORLD WIDE WEB SITES OR OTHER SOURCES ARE NOT TO BE CONSTRUED TO BE OFFICIAL INFORMATION FOR THE PURPOSES OF BIDDING OR CONDUCTING OTHER BUSINESS WITH THE DEPARTMENT.

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICIAL SOURCES WITHIN THE DEPARTMENT.

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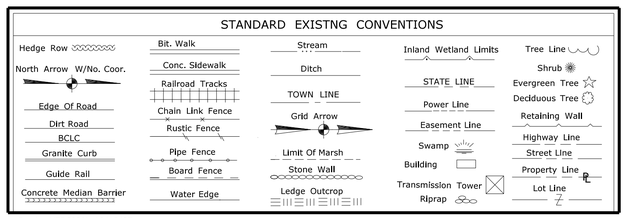


Border VERSION 10/19/07

SIGNATURE/ BLOCK:

Weston&Sampson
273 Dividend Road, Rocky Hill, CT 06067
(860) 513-1473 (800) SAMPSON
www.westonandsampson.com

STATE OF CONNECTICUT ALAN L. NAFIS No. 12656 LICENSED PROFESSIONAL ENGINEER

DESIGNED BY:
CONSULTANT COMPANY NAME

Weston&Sampson
273 Dividend Road, Rocky Hill, CT 06067
(860) 513-1473 (800) SAMPSON
www.westonandsampson.com

STATE OF CONNECTICUT ALAN L. NAFIS No. 12656 LICENSED PROFESSIONAL ENGINEER

Alan L. Nafis
2013.04.16
14:20:16
-04'00'

| F.H.W.A. REGION NO. | STATE | TOWN | FED. AID PROJ. NO. | PROJ. NO. | YEAR | ROUTE NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| 1 | CT | GLASTONBURY | - | 53-186 | 2013 | 2 | -- | -- |

| EARTHWORK | | | EXCAVATION | | | | | DRAINAGE | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM NUMBER | 0202000 P | P | 0205001 P | 0205002 P | 0205003 P | 0205004 P | P | 0507001 P | 0507006 P | 0507222 P | 0507392 P | 0507601 P | 0507701 P | 0507791A P | 0651001 P | 0651012 P | 0651017 P | 0651020 P | 0651274 P | 0651837 P | 0651858 P | 0652110 P | 0653001 P | 0653100 P | 0653101 P |
| ITEM | EARTH EXCAVATION | | TRENCH EXCAVATION 0'-4' DEEP | ROCK IN TRENCH EXCAVATION 0'-4' DEEP | TRENCH EXCAVATION 0'-10' DEEP | ROCK IN TRENCH EXCAVATION 0'-10' DEEP | | TYPE "C" CATCH BASIN | TYPE "C" CATCH BASIN TOP | TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II | TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II W/O SUMP | MANHOLE | RESET TYPE "C" CATCH BASIN | REBUILD CATCH BASIN | BEDDING MATERIAL | 15 " R.C. PIPE | 30" R.C. PIPE | 42" R.C. PIPE | 15" C.C.M. PIPE ELBOW | 15" C.C.M. PIPE | 42" C.C.M. PIPE | 15" METAL CULVERT END | CLEAN EXISTING CATCH BASIN | CLEAN EXISTING CULVERT 12" TO 42" DIAMETER | CLEAN EXISTING CULVERT GREATER THAN 42" DIAMETER |
| UNIT | C.Y. | | C.Y. | C.Y. | C.Y. | C.Y. | | EA. | EA. | EA. | EA. | EA. | EA. | EA. | C.Y. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | EA. | EA. | L.F. | L.F. |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 215+50 TO 288+50 | 970 | | 48 | 10 | 311 | 3 | | 7 | 8 | | | 1 | 6 | 2 | 19 | 250 | | | 12 | 50 | | 2 | 21 | 2922 | 790 |
| 288+50 TO 360+00 | 96 | | 30 | 8 | 24 | 5 | | 2 | 4 | | 2 | | 4 | | 3 | | 16 | | | 8 | | | 8 | 835 | 929 |
| 360+00 TO 431+00 | 2531 | | 10 | 2 | 34 | 12 | | 2 | 13 | 1 | 1 | | 13 | | 2 | 8 | | 4 | | 4 | 4 | | 35 | 3064 | 1240 |
| 431+00 TO 458+50 | 830 | | | | | | | | | | | | | | | | | | | | | | 12 | 1476 | 168 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| EB OFF RAMP- NEIPSIC RD. | | | | | | | | | | | | | | | | | | | | | | | | | |
| WB ON RAMP- NEIPSIC RD. | 18 | | | | | | | 1 | 1 | 1 | | | 1 | | | | | | | 4 | | | | | |
| EB OFF RAMP- RT. 83 | 40 | | | | | | | | 2 | | | | 2 | | | | | | | | | | | | |
| EB ON RAMP- RT. 83 | 36 | | | | | | | | 2 | | | | 2 | | | | | | | | | | | | |
| WB OFF RAMP- RT. 83 | 26 | | | | | | | | 3 | | | | 3 | | | | | | | | | | | | |
| WB ON RAMP- RT. 83 | 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| ROADWAY SUBTOTAL | 4552 | | | | | | | | | | | | | | | | | | | | | | | | |
| LESS SHRINKAGE (3%) | 137 | | | | | | | | | | | | | | | | | | | | | | | | |
| AVAILABE FOR FILL | 4415 | | | | | | | | | | | | | | | | | | | | | | | | |
| ROADWAY TOTAL | 4552 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUBTOTAL | 4552 | | 88 | 19 | 369 | 20 | | 12 | 33 | 1 | 3 | 1 | 31 | 2 | 29 | 258 | 16 | 4 | 12 | 66 | 4 | 2 | 76 | 8297 | 3127 |
| UNASSIGNED | 288 | | 41 | 2 | 31 | 1 | | | | | | | | | 2 | | | | | | | | | | |
| TOTAL | 4780 | | 97 | 21 | 400 | 21 | | 12 | 33 | 1 | 3 | 1 | 31 | 2 | 31 | 258 | 16 | 4 | 12 | 66 | 4 | 2 | 76 | 8297 | 3127 |

P = FEDERAL AID PARTICIPATING
NP= FEDERAL AID NON PARTICIPATING
=FOR INTERNAL USE ONLY
NOT A LEGAL DEFINITION

| 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: 4/15/2013

DESIGNER/DRAFTER: **E.B.**

CHECKED BY: **A.L.N.**

**STATE OF CONNECTICUT**
**DEPARTMENT OF TRANSPORTATION**

Filename: ...\HW_MST_0053_0186_01_01_EST.dgn

SIGNATURE/BLOCK:

Weston&Sampson®
273 Dividend Road, Rocky Hill, CT 06067
(860) 513-1473 (800) SAMPSON
www.westonandsampson.com

STATE OF CONNECTICUT ALAN L. NAFIS No. 12656 LICENSED PROFESSIONAL ENGINEER

PROJECT TITLE:

**RESURFACING, BRIDGE AND SAFETY IMPROVEMENTS ON ROUTE 2**

TOWN: **GLASTONBURY**

DRAWING TITLE: **DETAILED ESTIMATE SHEET**

PROJECT NO. **53-186**

DRAWING NO. **GEN-01**

SHEET NO. **01.01**

Border Version: 11/14/08

MISCELLANEOUS

| ITEM | CLEARING AND GRUBBING | REMOVAL AND DISPOSAL OF CONCRETE SLABS | CUT CONCRETE PAVEMENT | REMOVAL OF CONCRETE PAVEMENT | CUT BITUMINOUS CONCRETE PAVEMENT | FORMATION OF SUBGRADE | RUBBLIZATION OF PORTLAND CEMENT CONCRETE PAVEMENT | SUBBASE | GRANULAR FILL | SEDIMENTATION CONTROL SYSTEM | PROCESSED AGGREGATE BASE | REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL FROM CONCRETE PAVEMENT | PMA S0.5 | HMA S1 | HMA S0.5 | HMA S0.375 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM NUMBER | P 0201001 | P 0202482A | P 0202501 | P 0202502 | P 0202529 | P 0209001 | P 0209010A | P 0212000 | P 0213100 | P 0219001 | P 0304002 | P 0401157A | P 0406159 | P 0406170 | P 0406171 | P 0406172 |
| UNIT | L.S. | S.Y. | L.F. | S.Y. | L.F. | S.Y. | S.Y. | C.Y. | C.Y. | L.F. | C.Y. | C.Y. | TON | TON | TON | TON |
| 215+50 TO 288+50 | | | 124 | 4668 | | 4668 | 34080 | 778 | 3 | | 3123 | | | | | |
| 288+50 TO 360+00 | | | | | | | 38134 | | | 95 | 3150 | | | | | |
| 360+00 TO 431+00 | | | 344 | 14210 | | 14210 | 24807 | 2369 | | 95 | 3150 | | | | | |
| 431+00 TO 458+50 | | | 110 | 4978 | | 4978 | 9549 | 830 | | | 1000 | | | | | |
| EB OFF RAMP-NEIPSIC RD. | | | 80 | 124 | 102 | | 959 | | | | 77 | | | | | |
| WB ON RAMP-NEIPSIC RD. | | | 80 | 124 | 92 | | 1401 | | | | | | | | | |
| EB OFF RAMP-RT. 83 | | | 80 | 124 | 140 | | 1223 | | | | | | | | | |
| EB ON RAMP-RT. 83 | | | 80 | 124 | 130 | | 976 | | | | | | | | | |
| WB OFF RAMP-RT. 83 | | | 80 | 124 | 180 | | 1098 | | | | | | | | | |
| WB ON RAMP-RT. 83 | | | 80 | 124 | 141 | | 1038 | | | | | | | | | |
| BRIDGE RECONSTRUCTION | | | | | | | | | | | | | | | | |
| SUBTOTAL | L.S. | 427 | 1058 | 24600 | 785 | 23856 | 113265 | 3977 | 3 | 190 | 10500 | 3648 | 50846 | 40269 | 14266 | 16142 |
| UNASSIGNED | | | 32 | 740 | 15 | 2386 | 1535 | 203 | 1 | 10 | | | 1014 | 805 | 285 | 323 |
| TOTAL | L.S. | 427 | 1090 | 25340 | 800 | 26242 | 114800 | 4180 | 4 | 200 | 10500 | 3648 | 51860 | 41074 | 14551 | 16465 |

| ITEM | MATERIAL FOR TACK COAT | MILLING OF HMS (0 TO 4 INCHES) | MILLING OF HMS (4 TO 8 INCHES) | RUMBLE STRIPS AUTOMATED | RUMBLE STRIPS MANUAL | 50 MIL PAVEMENT MARKIN GROOVE, 5" WIDE | 50 MIL PAVEMENT MARKIN GROOVE, 7" WIDE | 50 MIL PAVEMENT MARKIN GROOVE, 9" WIDE | REMOVAL OF METAL DELINEATORS | MODIFIED RIPRAP | NO. 67 STONE | 4" EDGEDRAIN | 4" OUTLET FOR EDGEDRAIN | CONCRETE HEADWALL AND APRON | PAVED DITCH | RESET GRANITE STONE TRANSITION CURBING | BITUMINOUS CONCRETE PARK CURBING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM NUMBER | P 0406236 | P 0406267A | P 0406268A | P 0406287A | P 0406288A | P 0406300A | P 0406302A | P 0406307A | P 0406320A | P 0703012 | P 0728015A | P 0751900A | P 0751901A | P 0751902A | P 0803000 | P 0814008 | P 0815093 |
| UNIT | GAL. | S.Y. | S.Y. | L.F. | L.F. | L.F. | L.F. | L.F. | EA. | C.Y. | C.Y. | L.F. | L.F. | EA. | S.Y. | L.F. | L.F. |
| 215+50 TO 288+50 | 5854 | | 5840 | 12891 | 14480 | 28846 | 4989 | 295 | | 6 | | 17518 | 660 | 35 | 2 | 96 | 5008 |
| 288+50 TO 360+00 | 6433 | | 64329 | 14300 | 14300 | 28600 | 7385 | | | | | 17709 | 568 | 30 | 23 | | 2563 |
| 360+00 TO 431+00 | 4750 | | 47504 | 10932 | 13659 | 26823 | 5013 | 512 | | | | 12643 | 502 | 30 | 23 | 204 | 4366 |
| 431+00 TO 458+50 | 1494 | | 14939 | 5500 | 5500 | 11000 | 1375 | | | | | 9907 | 428 | 12 | | | |
| EB OFF RAMP-NEIPSIC RD. | 319 | 3194 | | | | 1509 | | 286 | | | | | | | | | |
| WB ON RAMP-NEIPSIC RD. | 263 | 2630 | | | | 1845 | | 251 | | | | | | | | | 496 |
| EB OFF RAMP-RT. 83 | 204 | 2041 | | | | 1924 | | 320 | | | | | | | | | 1089 |
| EB ON RAMP-RT. 83 | 365 | 3647 | | | | 1359 | | 245 | | | | | | | | | 1049 |
| WB OFF RAMP-RT. 83 | 292 | 2915 | | | | 1628 | | 202 | | | | | | | | | 690 |
| WB ON RAMP-RT. 83 | 335 | 3347 | | | | 1875 | | 244 | | | | | | | | | 128 |
| BRIDGE RECONSTRUCTION | | | | | | | | | | | | | | | | | |
| SUBTOTAL | 20309 | 17774 | 185312 | 43623 | 47939 | 105409 | 18762 | 2355 | 2589 | 6 | 8 | 57777 | 2158 | 107 | 48 | 300 | 15389 |
| UNASSIGNED | | | | | | | | | | 1 | | | | | 1 | | |
| TOTAL | 20309 | 17774 | 185312 | 43623 | 47939 | 105409 | 18762 | 2355 | 2589 | 7 | 8 | 57777 | 2158 | 107 | 49 | 300 | 15389 |

| ITEM | TEMPORARY PRECAST CONCRETE BARRIER CURB | RELOCATE TEMPORARY PRECAST CONCRETE BARRIER CURB | R-B 350 BRIDGE ATTACHMENT - TRAILING END - 10 GA. | R-B 350 BRIDGE ATTACHMENT - VERTICAL SHAPE PARAPET - 10 GA. | METAL BEAM RAIL ( TYPE R-B 350 ) - 10 GA. | METAL BEAM RAIL ( TYPE R-B 350 SYSTEM 5 ) - 10 GA. | METAL BEAM RAIL ( TYPE R-B 350 SYSTEM 6 ) - 10 GA. | R-B 350 BRIDGE ATTACHMENT - SAFETY SHAPE PARAPET - 10 GA. | R-B END ANCHORAGE (TYPE I - 10 GA.) | ANCHOR IN EARTH CUT SLOPE - 10 GA. | ANCHOR IN ROCK CUT SLOPE - 10 GA. | DRILLING HOLE FOR GUIDERAIL POST | REMOVE METAL BEAM RAIL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM NUMBER | P 0822001 | P 0822002 | P 0910187 | P 0910188 | P 0910194 | P 0910195 | P 0910196 | P 0910891 | P 0911925 | P 0911927 | P 0911928 | P 0912103 | P 0912503 |
| UNIT | L.F. | L.F. | EA. | EA. | L.F. | L.F. | L.F. | EA. | EA. | EA. | EA. | EA. | L.F. |
| 215+50 TO 288+50 | | | | | 3848 | | | 4 | 2 | 2 | | | 3701 |
| 288+50 TO 360+00 | | | | | 232 | | | | 1 | 1 | 1 | | 180 |
| 360+00 TO 431+00 | | | 3 | 2 | 7235 | 19 | 156 | 6 | 7 | 1 | | | 7637 |
| 431+00 TO 458+50 | | | | | | | | | | | | | |
| EB OFF RAMP-NEIPSIC RD. | | | | | | | | | 1 | | | | |
| WB ON RAMP-NEIPSIC RD. | | | | | | | | | | | | | |
| EB OFF RAMP-RT. 83 | | | | | | | | | | | | | |
| EB ON RAMP-RT. 83 | | | | | | | | | | | | | |
| WB OFF RAMP-RT. 83 | | | | | | | | | | | | | |
| WB ON RAMP-RT. 83 | | | | | | | | | | | | | |
| BRIDGE RECONSTRUCTION | 800 | 2400 | | | | | | | | | | | |
| SUBTOTAL | 800 | 2400 | 3 | 2 | 11315 | 19 | 156 | 10 | 11 | 4 | 1 | 190 | 11518 |
| UNASSIGNED | | | | | | | | | | | | | |
| TOTAL | 800 | 2400 | 3 | 2 | 11315 | 19 | 156 | 10 | 11 | 4 | 1 | 190 | 11518 |

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NP= FEDERAL AID NON PARTICIPATING
=FOR INTERNAL USE ONLY
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| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|---|---|---|---|
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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Plotted Date: 4/15/2013

DESIGNER/DRAFTER: **E.B.**
CHECKED BY: **A.L.N.**

**STATE OF CONNECTICUT**
**DEPARTMENT OF TRANSPORTATION**

Filename: ...\HW_MST_0053_0186_01_02_EST.dgn

SIGNATURE/BLOCK:
Weston&Sampson
273 Dividend Road, Rocky Hill, CT 06067
(860) 513-1473 (800) SAMPSON
www.westonandsampson.com

STATE OF CONNECTICUT ALAN L. NAFIS No. 12656 LICENSED PROFESSIONAL ENGINEER

PROJECT TITLE: **RESURFACING, BRIDGE AND SAFETY IMPROVEMENTS ON ROUTE 2**

TOWN: **GLASTONBURY**

DRAWING TITLE: **DETAILED ESTIMATE SHEET**

PROJECT NO. **53-186**
DRAWING NO. **GEN-02**
SHEET NO. **01.02**

Border Version: 11/14/08

MISCELLANEOUS

| ITEM NUMBER | 0902508 P | 0902605 P | 0903201 P | 0943001 P | 0944000 P | 0950005 P | 0960000A P | 0965802A P | 0970007A P | 0971001A P | 0973002 P | 0976002 P | 0978002 P | 0980001A P | 0981100 P | 1130000 P | 1130002A P | 1205207 P | 1205234 P | 1208928 P | 1209114 P | 1209124 P | 1209126 P | 1209128 P | 1210101A P | 1210102A P | 1210103A P | 1210104A P | 1210105A P | 1220013A P | 8013071A P | 8065200 P | 8070701 P | 8071011 P | 8071012 P | 8071013 P | 8071704 P | 8071701 P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM | RESET RAIL ANCHORAGE | RESET THREE CABLE GUIDE RAILING (I-BEAM POST) | PAVEMENT FOR RAILING | WATER FOR DUST CONTROL | FURNISHING AND PLACING TOPSOIL | TURF ESTABLISHMENT | PROJECT COORDINATOR | CONSTRUCTION FIELD OFFICE MEDIUM | TRAFFICPERSON (UNIFORM FLAGGER) | MAINTENANCE AND PROTECTION OF TRAFFIC | MOBILIZATION | BARRICADE WARNING LIGHTS-HIGH INTENSITY | TRAFFIC DRUM | CONSTRUCTION STAKING | 42 INCH TRAFFIC CONE | HIGH MOUNTED INTERNALLY ILLUMINATED FLASHING ARROW | REMOTE CONTROL CHANGEABLE MESSAGE SIGN | TYPE DE - 7 DELINEATOR | TYPE DE - 7A DELINEATOR | SIGN FACE - SHEET ALUMINUM TYPE III REFLECTIVE SHEETING | HOT APPLIED PAINTED PAVEMENT MARKINGS 4 "YELLOW | HOT APPLIED PAINTED PAVEMENT MARKINGS 4 "WHITE | HOT APPLIED PAINTED PAVEMENT MARKINGS 6 "WHITE | HOT APPLIED PAINTED PAVEMENT MARKINGS 8 "WHITE | 4" WHITE EPOXY RESIN PAVEMENT MARKINGS | 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS | 6" WHITE EPOXY RESIN PAVEMENT MARKINGS | 8" WHITE EPOXY RESIN PAVEMENT MARKINGS | EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS | CONSTRUCTION SIGN - BRIGHT FLUORESCENT SHEETING | TYPE B IMPACT ATTENUATION SYSTEM (TANGENTIAL) | TYPE D PORTABLE IMPACT ATTENUATION SYSTEM | TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (200') | TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (400') | TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (1200') | TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (1400') | TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (2000') | RELOCATED TEMPORARY IMPACT ATTENUATION SYSTEM (TYPE A) |
| UNIT | EA. | L.F. | S.Y. | M GAL. | S.Y. | S.Y. | L.S. | MO. | HR. | L.S. | L.S. | DAY | EA. | L.S. | EA. | DAY | DAY | EA. | EA. | S.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | S.F. | S.F. | EA. | HRS. | EA. | EA. | EA. | EA. | EA. | EA. |
| 215+50 TO 288+50 | 22 | 9328 | 104 | | 110 | 110 | | | | | | | | | | | | | | 3 | 14800 | 14046 | 3988 | 295 | 14046 | 14800 | 4989 | 295 | | | 1 | | | | | | | |
| 288+50 TO 360+00 | 21 | 10001 | | | 95 | 95 | | | | | | | | | | | | | | | 14300 | 14300 | 5063 | | 14300 | 14300 | 7385 | | | | | | | | | | |
| 360+00 TO 431+00 | 8 | 7170 | 135 | | 84 | 84 | | | | | | | | | | | | | | 3 | 14200 | 12623 | 5136 | 512 | 12623 | 14200 | 5013 | 512 | | | | | | | | | |
| 431+00 TO 458+50 | 5 | 4637 | | | 72 | 72 | | | | | | | | | | | | | | | 5500 | 5500 | 1175 | | 5500 | 5500 | 1375 | | | | | | | | | | |
| EB OFF RAMP-NEIPSIC RD. | | | | | | | | | | | | | | | | | | | | | 582 | 927 | | 286 | 927 | 582 | | 286 | 90 | | | | | | | | |
| WB ON RAMP-NEIPSIC RD. | | | | | | | | | | | | | | | | | | | | | 730 | 1115 | | 251 | 1115 | 730 | | 251 | | | | | | | | | |
| EB OFF RAMP-RT. 83 | | | | | | | | | | | | | | | | | | | | | 764 | 1160 | | 320 | 1160 | 764 | | 320 | 112 | | | | | | | | |
| EB ON RAMP-RT. 83 | | | | | | | | | | | | | | | | | | | | | 483 | 876 | | 245 | 876 | 483 | | 245 | | | | | | | | | |
| WB OFF RAMP-RT. 83 | | | | | | | | | | | | | | | | | | | | | 692 | 936 | | 202 | 936 | 692 | | 202 | 143 | | | | | | | | |
| WB ON RAMP-RT. 83 | | | | | | | | | | | | | | | | | | | | | 787 | 1088 | | 244 | 1088 | 787 | | 244 | | | | | | | | | |
| BRIDGE RECONSTRUCTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 4 | 12 | 16 | 8 | 12 |
| SUBTOTAL | 56 | 32986 | 239 | 14570 | 361 | 361 | L.S. | 20 | 1000 | L.S. | L.S. | 1800 | 150 | L.S. | 75 | 350 | 500 | 20 | 20 | 6 | 52838 | 52571 | 15362 | 2355 | 52571 | 52835 | 18762 | 2355 | 345 | 502 | 1 | 10560 | 8 | 4 | 12 | 16 | 8 | 12 |
| UNASSIGNED | | | | 365 | 39 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 56 | 32986 | 239 | 14935 | 400 | 400 | L.S. | 20 | 1000 | L.S. | L.S. | 1800 | 150 | L.S. | 75 | 350 | 500 | 20 | 20 | 6 | 52838 | 52571 | 15362 | 2355 | 52571 | 52838 | 18762 | 2355 | 345 | 502 | 1 | 10560 | 8 | 4 | 12 | 16 | 8 | 12 |

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| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
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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: 4/16/2013

DESIGNER/DRAFTER: **E.B.**
CHECKED BY: **A.L.N.**

**STATE OF CONNECTICUT**
**DEPARTMENT OF TRANSPORTATION**

Filename: ...\HW_MST_0053_0186_01_03_EST.dgn

SIGNATURE/ BLOCK:

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STATE OF CONNECTICUT — WILLIAM L. NAPPI — No. 12156 — REGISTERED PROFESSIONAL ENGINEER

PROJECT TITLE:
**RESURFACING, BRIDGE AND SAFETY IMPROVEMENTS ON ROUTE 2**

TOWN: **GLASTONBURY**

DRAWING TITLE: **DETAILED ESTIMATE SHEET**

PROJECT NO. **53-186**
DRAWING NO. **GEN-03**
SHEET NO. **01.03**

Border Version: 11/14/08

STRUCTURES

| ITEM NUMBER | 0202473A P | 0406659 P | 0406673 P | 0501204A P | 0520036A P | 0601003A P | 0601007A P | 0601201 P | 0601210A P | 0601318A P | 0601509A P | 0602006 P | 0602965A P | 0603535A P | 0603444A P | 0707009A P | 0822005A P | 0822006A P | 0912502A P | 0913956A P | 0974000 P | 0974105A P | 1001001 P | 1008015 P | 1008915 P | 1008901A P | 1009390A P | 1012031 P | 1014901A P | 1015001 P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM | REMOVAL OF HMA WEARING SURFACE | PMA S0.5 | HMA S0.25 | EXTEND EXISTING WEEPHOLES | ASPHALTIC PLUG EXPANSION JOINT SYSTEM | MODIFY BRIDGE PARAPET | CLASS "S" CONCRETE | CLASS "F" CONCRETE | FULL DEPTH PATCH (HIGH EARLY STRENGTH CONCRETE) | PARTIAL DEPTH PATCH | REMOVE CONCRETE HEADERS | DEFORMED STEEL BARS EPOXY COATED | DRILLING HOLES AND GROUTING REINFORCING BARS | DISPOSAL OF LEAD DEBRIS | LEAD HEALTH AND PROTECTION PROGRAM (LHPP) | MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMER) | TEMPORARY PRECAST CONCRETE BARRIER CURB (STRUCTURE) | RELOCATED TEMPORARY PRECAST CONCRETE BARRIER CURB (STRUCTURE) | REMOVE METAL BEAM RAIL (BRIDGE) | PROTECTIVE FENCE (6'HIGH) | REMOVAL OF EXISTING MASONRY | CONCRETE HAUNCH REMOVAL | TRENCHING AND BACKFILLING | 2" RIGID METAL CONDUIT (SURFACE) | 2" RIGID METAL CONDUIT IN TRENCH | REMOVE CONDUIT | STEEL JUNCTION BOX COVER | NO. 2 SINGLE CONDUCTOR | REMOVE CABLE | NO. 8 BARE COPPER GROUNDING CONDUCTOR |
| UNIT | S.Y. | TON | TON | EA. | C.F. | L.F. | C.Y. | C.Y. | C.Y. | C.F. | L.F. | L.B. | EA. | BBL. | L.S. | S.Y. | L.F. | L.F. | L.F. | L.F. | C.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | EA. | L.F. | L.F. | L.F. |
| BRIDGE NO. 01701A | 392 | 34 | 23 | | 31 | 214 | | | 2 | 405 | 44 | | | | | 392 | 80 | 80 | 6 | | | | | | | | | | | |
| BRIDGE NO. 01701B | 392 | 34 | 23 | | 31 | 223 | 2 | | | 405 | 44 | | | | | 392 | 80 | 80 | 4 | | | | | | | | | | | |
| BRIDGE NO. 01702 | 701 | 61 | 41 | | 61 | 278 | | | 4 | 760 | 131 | | | | | 701 | 120 | 120 | 6 | | | | 60 | 140 | 60 | 140 | | 625 | | 210 |
| BRIDGE NO. 01703 | 616 | 54 | 36 | 1 | 55 | 273 | | | 3 | 650 | 118 | | | | | 616 | 120 | 120 | 6 | | | | 30 | 130 | 30 | 130 | | 500 | | 180 |
| BRIDGE NO. 01704A | 380 | 33 | 22 | | 29 | 122 | | 1 | 2 | 405 | 42 | 72 | 13 | | | 380 | 80 | 80 | 4 | | 5 | | | | | | | | | |
| BRIDGE NO. 01704B | 510 | 44 | 30 | | 37 | 123 | | 1 | 3 | 540 | 54 | 72 | 13 | | | 510 | 80 | 80 | 4 | | 5 | | 40 | 65 | 40 | | 1 | 340 | 110 | 115 |
| BRIDGE NO. 01705 | | | | | | | | | | | | | | | | | | | | 704 | | 1380 | | | | | | | | |
| BRIDGE NO. 01707 | | | | | | | | | | | | | | | | | | | | 441 | | 936 | | | | | | | | |
| SUBTOTAL | 3091 | 260 | 175 | 1 | 244 | 1233 | 2 | 2 | 14 | 3165 | 433 | 144 | 26 | | | 2991 | 560 | 560 | 30 | 1145 | 10 | 2366 | 130 | 335 | 130 | 270 | 1 | 1465 | 110 | 505 |
| UNASSIGNED | | | | | | | 2 | | 2 | 330 | | 10 | | 8 | L.S. | | | | | | 2 | 114 | | | | | | | | |
| TOTAL | 3091 | 260 | 175 | 1 | 244 | 1233 | 4 | 2 | 16 | 3495 | 433 | 154 | 26 | 8 | L.S. | 2991 | 560 | 560 | 30 | 1145 | 12 | 2430 | 130 | 335 | 130 | 270 | 1 | 1465 | 110 | 505 |

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Plotted Date: 4/15/2013

DESIGNER/DRAFTER: **E.B.**
CHECKED BY: **A.L.N.**

**STATE OF CONNECTICUT**
**DEPARTMENT OF TRANSPORTATION**

Filename: ...\HW_MST_0053_0186_01_04_EST.dgn

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STATE OF CONNECTICUT ALAN L. NSPIR No. 12156 PROFESSIONAL ENGINEER

PROJECT TITLE:
**RESURFACING, BRIDGE AND SAFETY IMPROVEMENTS ON ROUTE 2**

TOWN: **GLASTONBURY**

DRAWING TITLE: **DETAILED ESTIMATE SHEET**

PROJECT NO. **53-186**
DRAWING NO. **GEN-04**
SHEET NO. **01.04**

Border Version: 11/14/08