

| ESTIMATING SUMMARY | |
|-------------------------------------|-----------------------------|
| JOB NAME: EVERSOURCE ENERGY STATION | |
| JOB NUMBER: | CUSTOMER: HARMAC |
| MANY STEP FTGS? | NO |
| MANY DIFFERENT B.S.E. | NO |
| ANY SLOPED WALLS? | NO |
| MANY JOGS IN THE WALLS? | NO |
| ANY SPECIAL COATING? | NO |
| CMU FILE SUB BID? | NO |
| ACCESSORIES | NO |
| SITE WORKS? | NO |
| ADDENDUMS? | NO |
| ALTERNATES? | NO |
| DETAILED IN ELEVATION? | NO INFO |
| EXCLUSION? | YES |
| WIRE MESH : ASTM A185 | WWF LAP: 25% |
| DETAILING | |
| FABRICATION | |
| ADDITIONAL COMMENTS: | - QUALIFICATIONS SEE REPORT |

DATE: 10/27/2022

BID DATE: 10/27/2022

SUMMARY:

| REBARS | UNIT | BLACK | EPOXY | TOTAL |
|-------------------|-------------|--------------|--------------|--------------|
| FOUNDATION | Lbs | 10165 | 0 | 10165 |
| PL1 | Lbs | 848 | | 848 |
| PL-2 | Lbs | 3,121 | | 3121 |
| PL-3 | Lbs | 678 | | 678 |
| RS-1 | Lbs | 3,931 | | 3931 |
| RS-2 | Lbs | 526 | | 526 |
| LCF-1 | Lbs | 959 | | 959 |
| ST-1 | Lbs | 60 | | 60 |
| LC-1 | Lbs | 42 | | 42 |
| TOTAL | Lbs | 10165 | 0 | 10165 |

-052 - EVERSOURCE ENERGY STATION

Project Name: EVERSOURCE ENERGY STATION
 ANDREW SQ TO DEWAR ST 115KV TX LINE
 SDC 17-074A,17-074B
 USA

Architect: -
Engineer: MICHAELR. DELGREGO
Customer: HARMAC

Job Type: Lump Sum

Estimator: admin
Creation Date: 10/27/2022
Last Modified: 10/27/2022
Status: Complete

Escalation: No

Cover Page Comments:

ESTIMATING NOTES:

1. SPECIFICATIONS: GENERAL NOTES
2. ADDENDUMS: NONE
3. ALTERNATES: NONE
4. MATERIALS:
 - REINFORCING STEEL TO BE (ASTM A615, GR. 60)
 - REINFORCING STEEL TO BE WELDED (ASTM A706, GR. 60)
 - WELDED WIRE FABRIC (ASTM A1064, GR.80)
5. SCOPE OF WORK INCLUSIONS:
 - * FOUNDATION - PL-1,PL-2,PL-3,RS-1,RS-2,LCF-1,ST-1 & LC-1
6. SPECIFIC EXCLUSIONS:
 - SMOOTH DOWELS.
 - WELDED BARS AND ALL WELDING.
 - MANHOLES, INLETS, ETC., IF ANY
 - STORM SEWER AND ELECTRICAL STRUCTURES NOT LISTED IN QUOTE.
 - MASONRY WALL.
 - PRECAST ELEMENTS.
 - TRANS FORMER PAD (NO REINF.) REF-483-235
7. SPECIFIC ASSUMPTIONS:NONE
8. NOTES:
 - WE HAVE USED LAP AS PER THE ACI STANDARDS.

Drawing References:

FOUNDATION

1. STRUCTURAL DWGS: 483-216 TO 28694 (34 SHEETS.) Dated on 10/14/2022.

-052 - EVERSOURCE ENERGY STATION

| Segment Summary | | | | | |
|---------------------------|------------------|------------------|------------------|--------------------|----------------|
| Segment | Rebar Wgt | Plain Wgt | Misc. Wgt | Total (Lbs) | Costing |
| Included Segments: | | | | | |
| FOUNDATION | 10,165 | 0 | 0 | 10,165 | No |
| PL-1 | 848 | 0 | 0 | 848 | No |
| PL-2 | 3,121 | 0 | 0 | 3,121 | No |
| PL-3 | 678 | 0 | 0 | 678 | No |
| RS-1 | 3,931 | 0 | 0 | 3,931 | No |
| RS-2 | 526 | 0 | 0 | 526 | No |
| LCF-1 | 959 | 0 | 0 | 959 | No |
| ST-1 | 60 | 0 | 0 | 60 | No |
| LC-1 | 42 | 0 | 0 | 42 | No |

-052 - EVERSOURCE ENERGY STATION**Estimate Defaults**

| | |
|--|-----------------------------------|
| Size Unit: Imperial | Building Code: ACI 1983 |
| Length Unit: Feet - Inches | Concrete Strength: 3000 |
| Weight Unit: Pounds | Lap Table: |
| Soft Hooks: No | Estimating Lap: 48D |
| Seismic Hooks: No | Steel Manufactured In: ANY |
| | Tie Clearance: 0-012 |
| | Spiral Clearance: 0-03 |
| | Spacing Tolerance: 0-00 |
| Rebar Coating: Black | Rebar Grade: 60 |
| Plain Coating: Black | Plain Grade: 60 |
| Number of lap lengths to extend a stock bar before lapping: 1 | |

-052 - EVERSOURCE ENERGY STATION

| Line | Mat | Func | Placing | Grd | Qty | Span | Spcg | Mult | Size | Cls | L1 | L2 | L3 | L4 | L5 | Lap | Stock | Lbs | Notes | |
|------|-----|--|---------|--------------------|-----|------|------|------|------|-----|-------|----|----|----|----|-----|-------|-------|------------------------|--|
| 1 | GI | Segment: FOUNDATION | | Sub-Segment: PL-1 | | | | | | | | | | | | | | | | |
| 2 | MT | PL-1 - PLATFORM FOUNDATION | | | | | | | | | | | | | | | | | | |
| 3 | MT | 7'-6"X7'-6" PILE CAP - REF: 483-6010, 483-6007 | | | | | | | | | | | | | | | | | | |
| 4 | TR | BF | | 60 | 8 | | | 4 | 25/8 | S | 7-06 | | | | | | | 641 | 8-#8 EW. T&B | |
| 5 | TR | BF | | 60 | 4 | | | 1 | 16/5 | H | 5-00 | | | | | | | 21 | #5 STANDEE | |
| 6 | MT | 2'-6"X2'-6" PEDESTAL | | | | | | | | | | | | | | | | | | |
| 7 | TR | BF | | 60 | 12 | | | 1 | 25/8 | H | 4-03 | | | | | | | 136 | 12-#8 D/V. @PEDESTAL | |
| 8 | TR | BF | | 60 | 3 | | | 1 | 13/4 | L | 10-06 | | | | | | | 21 | 3-#4 TIES | |
| 9 | TR | BF | | 60 | 3 | | | 2 | 13/4 | L | 7-04 | | | | | | | 29 | 3-#4 TIES.EW | |
| 10 | GI | Segment: FOUNDATION | | Sub-Segment: PL-2 | | | | | | | | | | | | | | | | |
| 11 | MT | PL-2 - PLATFORM FOUNDATION | | | | | | | | | | | | | | | | | | |
| 12 | MT | 12'-0"X7'-6" - PILE CAP (3 LOC)- REF: 483-6010, 483-6007 | | | | | | | | | | | | | | | | | | |
| 13 | TR | BF | | 60 | 8 | | | 6 | 25/8 | S | 12-00 | | | | | | | 1,538 | 8-#8 LW. T&B | |
| 14 | TR | BF | | 60 | 8 | | | 6 | 25/8 | S | 7-06 | | | | | | | 961 | 8-#8 SW. T&B | |
| 15 | TR | BF | | 60 | 4 | | | 3 | 16/5 | H | 5-00 | | | | | | | 63 | #5 STANDEE | |
| 16 | MT | 2'-6"X2'-6" PEDESTAL | | | | | | | | | | | | | | | | | | |
| 17 | TR | BF | | 60 | 12 | | | 3 | 25/8 | H | 4-03 | | | | | | | 408 | 12-#8 D/V. @PEDESTAL | |
| 18 | TR | BF | | 60 | 3 | | | 3 | 13/4 | L | 10-06 | | | | | | | 63 | 3-#4 TIES | |
| 19 | TR | BF | | 60 | 3 | | | 6 | 13/4 | L | 7-04 | | | | | | | 88 | 3-#4 TIES.EW | |
| 20 | GI | Segment: FOUNDATION | | Sub-Segment: PL-3 | | | | | | | | | | | | | | | | |
| 21 | MT | PL-3 - PLATFORM FOUNDATION | | | | | | | | | | | | | | | | | | |
| 22 | MT | 7'-6"X7'-6" PILE CAP - REF: 483-6010, 483-6007 | | | | | | | | | | | | | | | | | | |
| 23 | TR | BF | | 60 | 8 | | | 4 | 25/8 | S | 7-06 | | | | | | | 641 | 8-#8 EW. T&B | |
| 24 | TR | BF | | 60 | 6 | | | 1 | 16/5 | H | 5-10 | | | | | | | 37 | #5 STANDEES | |
| 25 | GI | Segment: FOUNDATION | | Sub-Segment: RS-1 | | | | | | | | | | | | | | | | |
| 26 | MT | RS-1 - CABLI RISER SUPPORT STRUCTURE FOUNDATION | | | | | | | | | | | | | | | | | | |
| 27 | MT | 6'-0"X6'-0" PILE CAP - REF: 483-6010, 483-6006 | | | | | | | | | | | | | | | | | | |
| 28 | TR | BF | | 60 | 8 | | | 4 | 19/6 | S | 6-00 | | | | | | | 288 | #6 @10" O.C EW. T&B | |
| 29 | TR | BF | | 60 | 4 | | | 1 | 13/4 | L | 6-06 | | | | | | | 17 | #4 STANDEES | |
| 30 | MT | 2'-6"X2'-6" PEDESTAL | | | | | | | | | | | | | | | | | | |
| 31 | TR | BF | | 60 | 12 | | | 1 | 19/6 | H | 11-06 | | | | | | | 207 | 12-#6 D/V. @PEDESTAL | |
| 32 | TR | BF | | 60 | 11 | | | 1 | 13/4 | L | 10-06 | | | | | | | 77 | 11-#4 TIES | |
| 33 | TR | BF | | 60 | 11 | | | 2 | 13/4 | L | 7-04 | | | | | | | 108 | 11-#4 TIES.EW | |
| 34 | MT | RB-1 RESIN BUS SUPPORT STRUCTURE FOUNDATION | | | | | | | | | | | | | | | | | | |
| 35 | MT | 6'-0" X6'-0" PILE CAP (6 LOC)- REF: 483-6010, 483-6006 | | | | | | | | | | | | | | | | | | |
| 36 | TR | BF | | 60 | 8 | | | 24 | 19/6 | S | 6-00 | | | | | | | 1,730 | #6 @10" O.C EW. T&B | |
| 37 | TR | BF | | 60 | 4 | | | 6 | 13/4 | L | 6-06 | | | | | | | 104 | #4 STANDEES | |
| 38 | MT | 3'-0" X3'-0" PEDESTAL | | | | | | | | | | | | | | | | | | |
| 39 | TR | BF | | 60 | 16 | | | 6 | 19/6 | H | 5-00 | | | | | | | 721 | 16-#6 D/V. @PEDESTAL | |
| 40 | TR | BF | | 60 | 5 | | | 6 | 13/4 | L | 12-06 | | | | | | | 251 | #4 TIES | |
| 41 | TR | BF | | 60 | 5 | | | 6 | 13/4 | L | 14-00 | | | | | | | 281 | #4 TIES | |
| 42 | TR | BF | | 60 | 5 | | | 12 | 13/4 | L | 3-08 | | | | | | | 147 | #4 LINKS.EW | |
| 43 | GI | Segment: FOUNDATION | | Sub-Segment: RS-2 | | | | | | | | | | | | | | | | |
| 44 | MT | RB-2 RESIN BUS SUPPORT STRUCTURE FOUNDATION | | | | | | | | | | | | | | | | | | |
| 45 | MT | 7'-6" X8'-9" PILE CAP - REF: 483-6010, 483-6006 | | | | | | | | | | | | | | | | | | |
| 46 | TR | BF | | 60 | 10 | | | 1 | 19/6 | S | 8-09 | | | | | | | 131 | #6 @10" O.C LW. T&B | |
| 47 | TR | BF | | 60 | 12 | | | 1 | 19/6 | S | 7-06 | | | | | | | 135 | #6 @10" O.C SW. T&B | |
| 48 | TR | BF | | 60 | 6 | | | 1 | 13/4 | L | 6-06 | | | | | | | 26 | #4 @STANDEES | |
| 49 | MT | 3'-0" X3'-0" PEDESTAL | | | | | | | | | | | | | | | | | | |
| 50 | TR | BF | | 60 | 16 | | | 1 | 19/6 | H | 5-00 | | | | | | | 120 | 16-#6 D/V. @PEDESTAL | |
| 51 | TR | BF | | 60 | 5 | | | 1 | 13/4 | L | 12-06 | | | | | | | 42 | 5-#4 TIES | |
| 52 | TR | BF | | 60 | 5 | | | 1 | 13/4 | L | 14-00 | | | | | | | 47 | 5-#4 TIES | |
| 53 | TR | BF | | 60 | 5 | | | 2 | 13/4 | L | 3-08 | | | | | | | 25 | 5-#4 LINKS.EW | |
| 54 | GI | Segment: FOUNDATION | | Sub-Segment: LCF-1 | | | | | | | | | | | | | | | | |
| 55 | MT | LCF-1 - LOCAL CONTROL CABINET FOUNDATION | | | | | | | | | | | | | | | | | | |
| 56 | MT | 9'-0" X4'-0" PILE CAP (2 LOC) - REF: 483-6010, 483-6002 | | | | | | | | | | | | | | | | | | |
| 57 | TR | BF | | 60 | 5 | | | 4 | 16/5 | S | 9-00 | | | | | | | 188 | #5 @12" O.C CONT. T&B | |
| 58 | TR | BF | | 60 | 10 | | | 4 | 16/5 | S | 4-00 | | | | | | | 167 | #5 @12" O.C TRANS. T&B | |
| 59 | TR | BF | | 60 | 3 | | | 8 | 16/5 | S | 9-00 | | | | | | | 225 | #5 @12" O.C HORZ. EF | |
| 60 | TR | BF | | 60 | 10 | | | 4 | 16/5 | H | 8-03 | | | | | | | 344 | #5 @12" O.C U-BAR. ES | |
| 61 | TR | BF | | 60 | 4 | | | 2 | 13/4 | L | 6-06 | | | | | | | 35 | #4 STANDEES | |

-052 - EVERSOURCE ENERGY STATION

| Line | Mat | Func | Placing | Grd | Qty | Span | Spcg | Mult | Size | Cls | L1 | L2 | L3 | L4 | L5 | Lap | Stock | Lbs | Notes |
|------|-----|---|---------|-----|-----|------|------|------|------|-----|------|----|----|----|----|-----|-------|-----|--------------------|
| 62 | GI | Segment: FOUNDATION Sub-Segment: ST-1 | | | | | | | | | | | | | | | | | |
| 63 | MT | ST-1 - STAIR LANDING PAD FOUNDATION | | | | | | | | | | | | | | | | | |
| 64 | MT | 6'-0" X4'-0" CONCRETE PAD - REF: 483-6010 | | | | | | | | | | | | | | | | | |
| 65 | TR | BF | | 60 | 5 | | | 1 | 16/5 | S | 6-00 | | | | | | | 31 | #5 @12" O.C LW. @B |
| 66 | TR | BF | | 60 | 7 | | | 1 | 16/5 | S | 4-00 | | | | | | | 29 | #5 @12" O.C SW. @B |
| 67 | GI | Segment: FOUNDATION Sub-Segment: LC-1 | | | | | | | | | | | | | | | | | |
| 68 | MT | LC-1 - LADDER CAGELANDING PAD FOUNDATION | | | | | | | | | | | | | | | | | |
| 69 | MT | 4'-0" X4'-0" CONCRETE PAD- REF: 483-6010 | | | | | | | | | | | | | | | | | |
| 70 | TR | BF | | 60 | 5 | | | 2 | 16/5 | S | 4-00 | | | | | | | 42 | #5 @12" O.C EW. @B |

-052 - EVERSOURCE ENERGY STATION

Segment: FOUNDATION

Total for PL-1

**** Rebar Weight Summary (Lbs) ****

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------|-------|----------|-------|-------|-----------|
|------|-------|----------|-------|-------|-----------|

** Grade 60, Black **

| | | | | | |
|------|------------|------------|------------|-----------|----------|
| 13/4 | 50 | 0 | 0 | 50 | 0 |
| 16/5 | 21 | 0 | 21 | 0 | 0 |
| 25/8 | 777 | 641 | 136 | 0 | 0 |
| | <u>848</u> | <u>641</u> | <u>157</u> | <u>50</u> | <u>0</u> |

Total for PL-2

**** Rebar Weight Summary (Lbs) ****

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------|-------|----------|-------|-------|-----------|
|------|-------|----------|-------|-------|-----------|

** Grade 60, Black **

| | | | | | |
|------|--------------|--------------|------------|------------|----------|
| 13/4 | 151 | 0 | 0 | 151 | 0 |
| 16/5 | 63 | 0 | 63 | 0 | 0 |
| 25/8 | 2,907 | 2,499 | 408 | 0 | 0 |
| | <u>3,121</u> | <u>2,499</u> | <u>471</u> | <u>151</u> | <u>0</u> |

Total for PL-3

**** Rebar Weight Summary (Lbs) ****

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------|-------|----------|-------|-------|-----------|
|------|-------|----------|-------|-------|-----------|

** Grade 60, Black **

| | | | | | |
|------|------------|------------|-----------|----------|----------|
| 16/5 | 37 | 0 | 37 | 0 | 0 |
| 25/8 | 641 | 641 | 0 | 0 | 0 |
| | <u>678</u> | <u>641</u> | <u>37</u> | <u>0</u> | <u>0</u> |

Total for RS-1

**** Rebar Weight Summary (Lbs) ****

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------|-------|----------|-------|-------|-----------|
|------|-------|----------|-------|-------|-----------|

** Grade 60, Black **

| | | | | | |
|------|--------------|--------------|------------|------------|----------|
| 13/4 | 985 | 0 | 0 | 985 | 0 |
| 19/6 | 2,946 | 2,018 | 928 | 0 | 0 |
| | <u>3,931</u> | <u>2,018</u> | <u>928</u> | <u>985</u> | <u>0</u> |

Total for RS-2

**** Rebar Weight Summary (Lbs) ****

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------|-------|----------|-------|-------|-----------|
|------|-------|----------|-------|-------|-----------|

** Grade 60, Black **

| | | | | | |
|------|------------|------------|------------|------------|----------|
| 13/4 | 140 | 0 | 0 | 140 | 0 |
| 19/6 | 386 | 266 | 120 | 0 | 0 |
| | <u>526</u> | <u>266</u> | <u>120</u> | <u>140</u> | <u>0</u> |

-052 - EVERSOURCE ENERGY STATION

Total for LCF-1

****** Rebar Weight Summary (Lbs) ******

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------|------------|------------|------------|-----------|-----------|
| 13/4 | 35 | 0 | 0 | 35 | 0 |
| 16/5 | 924 | 580 | 344 | 0 | 0 |
| | <u>959</u> | <u>580</u> | <u>344</u> | <u>35</u> | <u>0</u> |

**** Grade 60, Black ****

Total for ST-1

****** Rebar Weight Summary (Lbs) ******

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------|-----------|-----------|----------|----------|-----------|
| 16/5 | 60 | 60 | 0 | 0 | 0 |
| | <u>60</u> | <u>60</u> | <u>0</u> | <u>0</u> | <u>0</u> |

**** Grade 60, Black ****

Total for LC-1

****** Rebar Weight Summary (Lbs) ******

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------|-----------|-----------|----------|----------|-----------|
| 16/5 | 42 | 42 | 0 | 0 | 0 |
| | <u>42</u> | <u>42</u> | <u>0</u> | <u>0</u> | <u>0</u> |

**** Grade 60, Black ****

Total for Segment: FOUNDATION

****** Rebar Weight Summary (Lbs) ******

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------|---------------|--------------|--------------|--------------|-----------|
| 13/4 | 1,361 | 0 | 0 | 1,361 | 0 |
| 16/5 | 1,147 | 682 | 465 | 0 | 0 |
| 19/6 | 3,332 | 2,284 | 1,048 | 0 | 0 |
| 25/8 | 4,325 | 3,781 | 544 | 0 | 0 |
| | <u>10,165</u> | <u>6,747</u> | <u>2,057</u> | <u>1,361</u> | <u>0</u> |

**** Grade 60, Black ****

-052 - EVERSOURCE ENERGY STATION

Estimate Totals

****** Rebar Weight Summary (Lbs) ******

| Size | Total | Straight | HEAVY | LIGHT | Stock Wgt |
|------------------------------|---------------|--------------|--------------|--------------|-----------|
| ** Grade 60, Black ** | | | | | |
| 13/4 | 1,361 | 0 | 0 | 1,361 | 0 |
| 16/5 | 1,147 | 682 | 465 | 0 | 0 |
| 19/6 | 3,332 | 2,284 | 1,048 | 0 | 0 |
| 25/8 | 4,325 | 3,781 | 544 | 0 | 0 |
| | <u>10,165</u> | <u>6,747</u> | <u>2,057</u> | <u>1,361</u> | <u>0</u> |