STATE OF VERMONT
AGENCY OF TRANSPORTATION

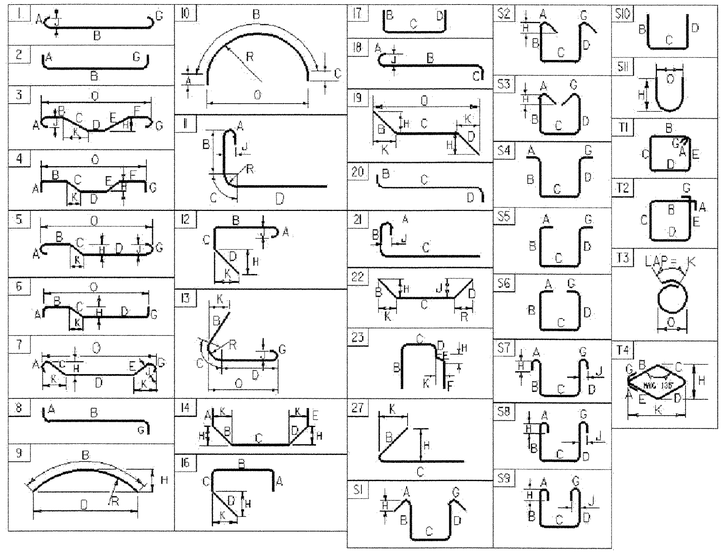
# REINFORCING STEEL SCHEDULE

| ITEM | EACH | SIZE | LENGTH | MARK | TYPE | A | B | C | D | E | F | G | H | J | K | R | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ABUTMENT #1** | | | | | | | | | | | | | | | | |
| | 22 | 5 | 10'- 6" | 1A501 | STR | | | | | | | | | | | | |
| | 22 | 5 | 17'- 10" | 1A502 | STR | | | | | | | | | | | | |
| | 4 | 5 | 8'- 6" | 1A503 | STR | | | | | | | | | | | | |
| | 19 | 5 | 5'- 6" | 1A506 | STR | | | | | | | | | | | | |
| ✳ | 13 | 8 | 17'- 10" | 1A801 | STR | | | | | | | | | | | | |
| | 19 | 5 | 6'- 1" | 1A505 | 1 | 0'- 7" | 5'- 6" | | | | | --- | | 0'- 5" | | | |
| | 20 | 5 | 5'- 10" | 1A504 | S10 | | 2'- 2" | 1'- 6" | 2'- 2" | | | | | | | | |
| | 19 | 5 | 3'- 6" | 1A507 | S10 | | 1'- 6" | 0'- 6" | 1'- 6" | | | | | | | | |
| | **ABUTMENT #2** | | | | | | | | | | | | | | | | |
| ▲ | 38 | 5 | 14'- 8" | 2A501 | STR | | | | | | | | | | | | |
| | 26 | 5 | 17'- 10" | 2A502 | STR | | | | | | | | | | | | |
| | 4 | 5 | 8'- 6" | 2A503 | STR | | | | | | | | | | | | |
| | 19 | 5 | 6'- 0" | 2A506 | STR | | | | | | | | | | | | |
| ✳ | 17 | 8 | 17'- 10" | 2A801 | STR | | | | | | | | | | | | |
| | 19 | 5 | 6'- 7" | 2A505 | 1 | 0'- 7" | 6'- 0" | | | | | --- | | 0'- 5" | | | |
| | 20 | 5 | 6'- 0" | 2A504 | S10 | | 2'- 3" | 1'- 6" | 2'- 3" | | | | | | | | |
| | 19 | 5 | 3'- 6" | 2A507 | S10 | | 1'- 6" | 0'- 6" | 1'- 6" | | | | | | | | |
| | **WINGWALL #1** | | | | | | | | | | | | | | | | |
| | 7 | 5 | 3'- 6" | 1W501 | STR | | | | | | | | | | | | |
| ✳ | 11 | 5 | 15'- 6" | 1W502 | STR | | | | | | | | | | | | |
| | 10 | 5 | 5'- 6" | 1W504 | STR | | | | | | | | | | | | |
| | 7 | 5 | 5'- 9" | 1W506 | STR | | | | | | | | | | | | |
| | 7 | 5 | 4'- 1" | 1W503 | 1 | 0'- 7" | 3'- 6" | | | | | --- | | 0'- 5" | | | |
| | 7 | 5 | 6'- 4" | 1W505 | 1 | 0'- 7" | 5'- 9" | | | | | --- | | 0'- 5" | | | |
| | 7 | 5 | 3'- 7" | 1W507 | S10 | | 1'- 6" | 0'- 7" | 1'- 6" | | | | | | | | |
| | **WINGWALL #2** | | | | | | | | | | | | | | | | |
| | 7 | 5 | 3'- 6" | 2W501 | STR | | | | | | | | | | | | |
| | 10 | 5 | 15'- 6" | 2W502 | STR | | | | | | | | | | | | |
| | 10 | 5 | 5'- 6" | 2W504 | STR | | | | | | | | | | | | |
| | 7 | 5 | 5'- 9" | 2W506 | STR | | | | | | | | | | | | |
| | 7 | 5 | 4'- 1" | 2W503 | 1 | 0'- 7" | 3'- 6" | | | | | --- | | 0'- 5" | | | |
| | 7 | 5 | 6'- 4" | 2W505 | 1 | 0'- 7" | 5'- 9" | | | | | --- | | 0'- 5" | | | |
| | 7 | 5 | 3'- 7" | 2W507 | S10 | | 1'- 6" | 0'- 7" | 1'- 6" | | | | | | | | |
| | **WINGWALL #3** | | | | | | | | | | | | | | | | |
| | 10 | 5 | 3'- 6" | 3W501 | STR | | | | | | | | | | | | |
| | 10 | 5 | 10'- 11" | 3W502 | STR | | | | | | | | | | | | |
| | 10 | 5 | 8'- 6" | 3W504 | STR | | | | | | | | | | | | |
| | 10 | 5 | 6'- 0" | 3W506 | STR | | | | | | | | | | | | |
| | 10 | 5 | 4'- 1" | 3W503 | 1 | 0'- 7" | 3'- 6" | | | | | --- | | 0'- 5" | | | |
| | 10 | 5 | 6'- 7" | 3W505 | 1 | 0'- 7" | 6'- 0" | | | | | --- | | 0'- 5" | | | |
| | 10 | 5 | 3'- 6" | 3W507 | S10 | | 1'- 6" | 0'- 6" | 1'- 6" | | | | | | | | |
| | **WINGWALL #4** | | | | | | | | | | | | | | | | |
| | 10 | 5 | 3'- 6" | 4W501 | STR | | | | | | | | | | | | |
| ✳ | 11 | 5 | 10'- 11" | 4W502 | STR | | | | | | | | | | | | |
| | 10 | 5 | 8'- 6" | 4W504 | STR | | | | | | | | | | | | |
| | 10 | 5 | 6'- 0" | 4W506 | STR | | | | | | | | | | | | |
| | 10 | 5 | 4'- 1" | 4W503 | 1 | 0'- 7" | 3'- 6" | | | | | --- | | 0'- 5" | | | |
| | 10 | 5 | 6'- 7" | 4W505 | 1 | 0'- 7" | 6'- 0" | | | | | --- | | 0'- 5" | | | |
| | 10 | 5 | 3'- 6" | 4W507 | S10 | | 1'- 6" | 0'- 6" | 1'- 6" | | | | | | | | |
| | **CONCRETE FACING ABUTMENT #2** | | | | | | | | | | | | | | | | |
| ✳ ▲ | 92 | 4 | 20'- 0" | CF401 | STR | | | | | | | | | | | | |
| ✳ ▲ | 11 | 8 | 15'- 0" | CF801 | STR | | | | | | | | | | | | |

| ITEM | EACH | SIZE | LENGTH | MARK | TYPE | A | B | C | D | E | F | G | H | J | K | R | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

## ~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (ASTM A 615-SI). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. ALL REINFORCING STEEL IS EPOXY COATED




**ASTM STANDARD REINFORCING BARS**

| BAR SIZE DESIGNATION | WEIGHT POUNDS PER FOOT | NOMINAL DIMENSIONS ROUND SECTION | | |
|---|---|---|---|---|
| | | DIAMETER INCHES | AREA INCHES $^2$ | PERIMETER INCHES |
| #3 | 0.376 | 0.375 | 0.11 | 1.178 |
| #4 | 0.668 | 0.500 | 0.20 | 1.571 |
| #5 | 1.043 | 0.625 | 0.31 | 1.963 |
| #6 | 1.502 | 0.750 | 0.44 | 2.356 |
| #7 | 2.044 | 0.875 | 0.60 | 2.749 |
| #8 | 2.670 | 1.000 | 0.79 | 3.142 |
| #9 | 3.400 | 1.128 | 1.00 | 3.544 |
| #10 | 4.303 | 1.270 | 1.27 | 3.990 |
| #11 | 5.313 | 1.410 | 1.56 | 4.430 |
| #14 | 7.65 | 1.693 | 2.25 | 5.32 |
| #18 | 13.60 | 2.257 | 4.00 | 7.09 |

PROJECT NAME: WEATHERSFIELD
PROJECT NUMBER: BHO 1442(29)

FILE NAME: /96j234/str/s96j234rein.xls
PROJECT MANAGER: W. SYMONDS
DESIGNED BY: T. SUMNER
REINFORCING STEEL SCHEDULE

PLOT DATE: 2/21/2007
DRAWN BY: R. PELLETT
CHECKED BY: J. LACROIX
SHEET 50 OF 60