

J:\20170913\0D01\FRA\98232_FRA_70_Design\Roadway\Sheets\98232_G5300.dgn 3/20/2024 5:02:13 PM r:hoops

| ESTIMATED QUANTITIES SHEET NO. | 202 | 204 | 204 | 204 | 254 | 301 | 302 | 304 | 407 | 441 | 441 | 441 | 441 | 441 | 442 | 442 | 442 | 442 | 442 | 452 | 452 | 608 |
|--|------------------------|---------------------------|-----------------------|-------------------------|---|--|--|----------------------|-------------------------------|--|--|---|--|--|-------------------------------------|--|--|---|--|--|--|------------------------|
| | PAVEMENT REMOVED SY | SUBGRADE COMPACTION SY | PROOF ROLLING HOUR | GEOTEXTILE FABRIC SY | PAVEMENT PLANING, ASPHALT CONCRETE SY | ASPHALT CONCRETE BASE, PG64-22, (449) CY | ASPHALT CONCRETE BASE, PG64-22, (449) CY | AGGREGATE BASE CY | NON-TRACKING TACK COAT GAL | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22, (SHARED-USE PATH) CY | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (SHARED-USE PATH) CY | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS) CY | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (DRIVEWAYS) CY | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL) CY | ANTI-SEGREGATION EQUIPMENT CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, (PG70-22M) CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, (PG76-22M) CY | ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) CY | 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC IP SY | 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC IP SY | 8" CONCRETE WALK SF |
| 239 | 41,059 | 57,777 | 29 | | 97,311 | 7,093 | 11,083 | 13,392 | 23,406 | | | | | | 12,807 | 5,362 | 516 | 6,929 | | | 9,974 | |
| 240 | 14,515 | 53,814 | 27 | 5,278 | 7,032 | 8,526 | 1,624 | 9,079 | 8,483 | | | | | 48 | 3,684 | 1,654 | 36 | 2,522 | 528 | | | |
| 241 | 11,877 | 23,762 | 11 | 1,599 | 19,683 | 4,240 | 4,304 | 5,983 | 108 | 151 | | | | | | | | 1,546 | 1,546 | | | |
| 242 | 1,667 | 1,596 | 1 | | | 9 | 178 | 8 | | | 3 | 4 | | | | | | | | 1,170 | | 2,201 |
| 243 | 400 | 380 | 1 | | | 19 | 42 | 16 | | | 6 | 8 | | | | | | | | 184 | | 192 |
| TOTALS CARRIED TO GENERAL SUMMARY | 69,518 | 137,329 | 69 | 6,877 | 124,026 | 15,647 | 16,947 | 26,995 | 37,896 | 108 | 151 | 9 | 12 | 48 | 16,491 | 7,016 | 552 | 10,997 | 2,074 | 1,354 | 9,974 | 2,393 |

| SHEETS | 203 | 203 | 204 | 204 | 659 |
|--|------------------|------------------|------------------------------|---------------------------------|----------------------------|
| | EXCAVATION CY | EMBANKMENT CY | EXCAVATION OF SUBGRADE CY | GRANULAR MATERIAL, TYPE C CY | SEEDING AND MULCHING SY |
| 362 | 18136 | 4009 | 0 | 0 | 26167 |
| 385 | 486 | 839 | 0 | 0 | 4161 |
| 402 | 2737 | 869 | 0 | 0 | 7582 |
| 478 | 57343 | 22888 | 1416 | 1416 | 21684 |
| 503 | 209 | 761 | 0 | 0 | 2562 |
| 518 | 87 | 10830 | 0 | 0 | 1300 |
| 529 | 840 | 5253 | 0 | 0 | 1395 |
| 536 | 366 | 101 | 0 | 0 | 695 |
| 541 | 555 | 290 | 0 | 0 | 634 |
| 592 | 21633 | 45842 | 583 | 583 | 31819 |
| 604 | 747 | 2159 | 0 | 0 | 3309 |
| 613 | 652 | 491 | 409 | 409 | 1668 |
| 812 | 407 | 10 | 0 | 0 | 2183 |
| TOTALS CARRIED TO GENERAL SUMMARY | 104198 | 94342 | 2408 | 2408 | 105159 |

| SHEET NO. | REF. NO. | STATION | | SIDE | CENTERLINE ROADWAY REFERENCE | 611 | MANHOLE ADJUSTED TO GRADE (SANITARY) | EACH |
|--|----------|---------------|----|------|------------------------------|-----|--------------------------------------|------|
| | | FROM | TO | | | | | |
| 546 | SA-1 | BRICE ROAD | | LT | BRICE | 1 | | |
| | | 13+56.00 | | | | | | |
| 595 | SA-2 | TUSSING ROAD | | LT | TUSSING | 1 | | |
| | | 68+68.00 | | | | | | |
| 595 | SA-3 | 70+36.00 | | LT | TUSSING | 1 | | |
| 606 | SA-4 | CHATFORD ROAD | | LT | CHATFORD | 1 | | |
| | | 64+98.00 | | | | | | |
| 607 | SA-5 | 67+81.00 | | RT | CHATFORD | 1 | | |
| TOTALS CARRIED TO GENERAL SUMMARY | | | | | | 5 | | |

PAVEMENT, SANITARY AND EARTHWORK SUBSUMMARY

FRA - 70 - 22.85

CALCULATED
TGW
CHECKED
SUB

J:\20170913_0D0T\FRA\98232_FRA_70_Design\Roadway\Sheets\98232_G5300.dgn 3/20/2024 5:02:42 PM rhoops

| DESCRIPTION | STATION | | DISTANCE FT | CADD GENERATED AREA SF | 202 | 442 | 442 | 407 | 407 | 442 | 301 | 301 | 302 | 304 | 304 | 452 | 301 | 254 | 204 | 204 | 442 | 254 | |
|---|----------------------|---------|----------------|------------------------------|------------------------|---|--|-------------------------------|-------------------------------|---|--|--|--|----------------------|----------------------|---|--|---|---------------------------|-----------------------|--|---|--------|
| | FROM | TO | | | PAVEMENT REMOVED SY | ANTI-SEGREGATION EQUIPMENT VARIES CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, (PG70-22M) CY | NON-TRACKING TACK COAT GAL | NON-TRACKING TACK COAT GAL | ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) CY | ASPHALT CONCRETE BASE, PG64-22, (449) CY | ASPHALT CONCRETE BASE, PG64-22, (449) CY | ASPHALT CONCRETE BASE, PG64-22, (449) CY | AGGREGATE BASE CY | AGGREGATE BASE CY | 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS CC IP SY | ASPHALT CONCRETE BASE, PG64-22, (449) CY | PAVEMENT PLANING, ASPHALT CONCRETE SY | SUBGRADE COMPACTION SY | PROOF ROLLING HOUR | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, (PG76-22M) CY | PAVEMENT PLANING, ASPHALT CONCRETE SY | |
| | IR 70 RESURFACING | 499+63 | | | 638+75 | | 507519 | | 5,091 | 2,350 | 3,102 | 4,793 | 2,741 | | | | | | | | | | |
| VARIABLE RESURFACING | 499+63 | 623+75 | | 206136 | | 2,067 | 954 | 1,260 | 1,947 | 1,113 | | | | | | | | | | | | 22,904 | |
| PAVEMENT REMOVED | 505+00 | 638+75 | | 213226 | 23,692 | | | | | | | | | | | | | | | | | | |
| ACSC | | | | 277579 | | 1,285 | 1,285 | | | | | | | | | | | | | | | | |
| ACIC | | | | 291107 | | 1,572 | | 1,779 | | 1,572 | | | | | | | | | | | | | |
| ACB 1ST STEP | | | 7510 | 293610 | | | | 1,794 | | | 3,172 | | | | | | | | | | | | |
| ACB 2ND STEP | | | 7510 | 297365 | | | | 1,817 | | | | | 5,507 | | | | | | | | | | |
| ACB 3RD STEP | | | 7510 | 301120 | | | | 1,840 | | | | | 5,576 | | | | | | | | | | |
| AGB | | | 7510 | 304875 | | | | | | | | | | 9,410 | | | | | 33,875 | 16.9 | | | |
| IR 270 RESURFACING | 1030+00 | 1054+00 | | 129144.5 | | 1,296 | 598 | 789 | 1,220 | 698 | | | | | | | | | | | | | |
| PAVEMENT REMOVED | 1035+14 | 1046+50 | | 30168 | 3,352 | | | | | | | | | | | | | | | | | | |
| ACSC | | | | 37706 | | 175 | 175 | | | | | | | | | | | | | | | | |
| ACIC | | | | 37706 | | 204 | | 230 | | 204 | | | | | | | | | | | | | |
| ACB 1ST STEP | | | 1152 | 38090 | | | | 233 | | | 529 | | | | | | | | | | | | |
| ACB 2ND STEP | | | 1152 | 38667 | | | | 236 | | | 537 | | | | | | | | | | | | |
| ACB 3RD STEP | | | 1152 | 39243 | | | | 240 | | | 545 | | | | | | | | | | | | |
| AGB | | | 1152 | 39819 | | | | | | | | | | 737 | | | | | 4,424 | 2.2 | | | |
| RAMP F PAVEMENT REMOVED | 1528+29 | 1540+69 | | 33154 | 3,684 | | | | | | | | | | | | | | | | | | |
| ACSC | | | | 55845 | | 259 | | | | | | | | | | | | | | | | | |
| ACIC | | | | 56002 | | 302 | | 342 | | 302 | | | | | | | | | | | | 259 | |
| ACB 1ST STEP | | | 2203 | 56736 | | | | 347 | | | | | | | | | | | | | | | |
| ACB 2ND STEP | | | 2203 | 57837 | | | | 353 | | | | | | | | | | | | | | | |
| AGB | | | 2203 | 58938 | | | | | | | | | | 1,091 | | | | | 6,549 | 3.3 | | | |
| RAMP D2 RESURFACING | 1020+00 | 1035+50 | | 33006 | | 331 | | 202 | 312 | 178 | | | | | | | | | | | | | |
| PAVEMENT REMOVED | 1035+50 | 1042+81 | | 27579 | 3,064 | | | | | | | | | | | | | | | | | | |
| ACSC | | | | 22388 | | 104 | | | | | | | | | | | | | | | | 153 | |
| ACIC | | | | 22388 | | 121 | | 137 | | 121 | | | | | | | | | | | | 104 | |
| ACB 1ST STEP | | | 1465 | 22877 | | | | 140 | | | 318 | | | | | | | | | | | | |
| ACB 2ND STEP | | | 1465 | 23609 | | | | 144 | | | 328 | | | | | | | | | | | | |
| ACB 3RD STEP | | | 1465 | 24341 | | | | 149 | | | 338 | | | | | | | | | | | | |
| AGB | | | 1465 | 25073 | | | | | | | | | | 464 | | | | | 2,786 | 1.4 | | | |
| RAMP M PAVEMENT REMOVED CONCRETE | 2575+87 | 2586+53 | | 32644 | 3,627 | | | | | | | | | | | | | | | | | | |
| AGB | | | 419 | 44187 | | | | | | | | | | 822 | | 4,910 | | | 4,933 | 2.5 | | | |
| RAMP N PAVEMENT REMOVED CONCRETE | 4587+72 | 4595+18 | | 22129 | 2,459 | | | | | | | | | | | | | | | | | | |
| AGB | | | 961 | 33706 | | | | | | | | | | 633 | | 3,745 | | | 3,798 | 1.9 | | | |
| RAMP G1 PAVEMENT REMOVED CONCRETE | 8601+20 | 8604+40 | | 10626 | 1,181 | | | | | | | | | | | | | | | | | | |
| AGB | | | | 11869 | | | | | | | | | | | | | | | | | | | |
| | | | | 12705 | | | | | | | | | | 235 | | 1,319 | | | 1,412 | 0.7 | | | |
| TOTALS CARRIED TO SUBSUMMARY | | | | 238 | | 41,059 | 12,807 | 5,362 | 15,134 | 8,272 | 6,929 | 3,172 | 2,595 | 11,083 | 3,982 | 9,410 | 9,974 | 1,326 | 74,407 | 57,777 | 29 | 516 | 22,904 |

PAVEMENT SUBSUMMARY

FRA - 70 - 22.85

CALCULATED
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239
1356

J:\20170913_0D01\FRA\98232_FRA_70_Design\Roadway\Sheets\98232_G5300.dgn 3/20/2024 5:02:54 PM rhoods

| DESCRIPTION | STATION | | DISTANCE FT | CADD GENERATED AREA SF | 202 | 442 | 442 | 441 | 442 | 407 | 407 | 442 | 442 | 301 | 302 | 302 | 304 | 304 | 301 | 254 | 204 | 204 | 204 | 442 |
|-------------------------------------|----------------|--------------|----------------|---------------------------------|------------------------|-------------------------------------|--|--|--|------------------------------|------------------------------|---|---|---|--|----------------------|----------------------|--|---|---------------------------|---------------------|-------------------------|--|-----|
| | FROM | TO | | | PAVEMENT REMOVED SY | ANTI-SEGREGATION EQUIPMENT CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, (PG70-22M) CY | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL) CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) CY | NON-TRACKING TACK COAT CY | NON-TRACKING TACK COAT CY | ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) CY | ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) CY | ASPHALT CONCRETE BASE, P664-22, (449) CY | ASPHALT CONCRETE BASE, P664-22, (449) CY | AGGREGATE BASE CY | AGGREGATE BASE CY | ASPHALT CONCRETE BASE, P664-22, (449) CY | PAVEMENT PLANING, ASPHALT CONCRETE SY | SUBGRADE COMPACTION SY | PROOF ROLLING CY | GEOTEXTILE FABRIC SY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, (PG76-22M) CY | |
| | SY | CY | | | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY | CY |
| RAMP G2 PAVEMENT REMOVED | 1101+67 | 1104+43 | 6852 | 761 | | | | | | | | | | | | | | | | | | | | |
| ACSC | | | 7845 | | | | | | | | | | | | | | | | | | | | | 36 |
| ACIC | | | 7845 | | | | | | | | | | | | | | | | | | | | | |
| ACB 1ST STEP | | | 7920 | | | | | | | | | | | | | | | | | | | | | |
| ACB 2ND STEP | | | 8171 | | | | | | | | | | | | | | | | | | | | | |
| ACB 3RD STEP | | | 8584 | | | | | | | | | | | | | | | | | | | | | |
| AGB | | | 8854 | | | | | | | | | | | | | | | | | | | | | |
| CD ROAD PAVEMENT REMOVED | 563+00 (IR 70) | 1608+09 (CD) | 66896 | 7,433 | | | | | | | | | | | | | | | | | | | | |
| ACSC | | | 357289 | | | | | | | | | | | | | | | | | | | | | |
| ACIC | | | 361314 | | | | | | | | | | | | | | | | | | | | | |
| ACB 1ST STEP | | | 363202 | | | | | | | | | | | | | | | | | | | | | |
| ACB 2ND STEP | | | 366033 | | | | | | | | | | | | | | | | | | | | | |
| AGB | | | 368865 | | | | | | | | | | | | | | | | | | | | | |
| ACIC (UNDER GUARDRAIL) | 1543+54 | 1559+16 | 7802 | | | | | | | | | | | | | | | | | | | | | |
| 12" UNDERCUT | 1572+50 | 1576+50 | 37601 | | | | | | | | | | | | | | | | | | | | | |
| 12" UNDERCUT | 1579+00 | 1579+50 | 2197 | | | | | | | | | | | | | | | | | | | | | |
| BRICE APPROACH SLABS AGB | 29+33 | 33+85 | 46478 | | | | | | | | | | | | | | | | | | | | | |
| BRICE ROAD (NORTH) RESURFACING | 34+50 | 41+85 | 56659 | | | | | | | | | | | | | | | | | | | | | |
| PAVEMENT REMOVED | 33+85 | 41+85 | 38692 | 4,299 | | | | | | | | | | | | | | | | | | | | |
| ACSC | | | 32551 | | | | | | | | | | | | | | | | | | | | | |
| ACIC | | | 32551 | | | | | | | | | | | | | | | | | | | | | |
| ACB | | | 34972 | | | | | | | | | | | | | | | | | | | | | |
| AGB | | | 39130 | | | | | | | | | | | | | | | | | | | | | |
| CHATFORD DRIVE RESURFACING | 56+94 | 62+97 | 6629 | | | | | | | | | | | | | | | | | | | | | |
| PAVEMENT REMOVED | 62+97 | 68+50 | 18201 | 2,022 | | | | | | | | | | | | | | | | | | | | |
| ACSC | | | 18238 | | | | | | | | | | | | | | | | | | | | | |
| ACIC | | | 18238 | | | | | | | | | | | | | | | | | | | | | |
| ACB | | | 18238 | | | | | | | | | | | | | | | | | | | | | |
| AGB | | | 20997 | | | | | | | | | | | | | | | | | | | | | |
| 14" UNDERCUT | 62+97 | 65+00 | 7702 | | | | | | | | | | | | | | | | | | | | | |
| TOTALS CARRIED TO SUBSUMMARY | | | | 238 | 14,515 | 3,684 | 1,654 | 48 | 528 | 7,885 | 598 | 1,994 | 528 | 86 | 310 | 1,314 | 8,806 | 273 | 8,440 | 7,032 | 53,814 | 27 | 5,278 | 36 |

PAVEMENT SUBSUMMARY

FRA - 70 - 22.85

240
1356

3646-E

J:\20170913_0D01\FRA\98232_FRA_70\Design\Roadway\Sheets\98232_GS300.dgn 3/20/2024 5:47:47 PM rhoods

| DESCRIPTION | STATION | | DISTANCE FT | CADD GENERATED AREA SF | 202 | 442 | 407 | 407 | 442 | 302 | 304 | 304 | 254 | 204 | 204 | 441 | 441 | 204 | | | | |
|-------------------------------------|---------|-------|----------------|------------------------------|------------------------|--|--|--|---|--|----------------------------|-----------------------------|---|---------------------------|-----------------------|---|---|-------------------------|--|-----|--|--|
| | FROM | TO | | | PAVEMENT REMOVED SY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) 1.5" CY | NON-TRACKING TACK COAT 0.055/GAL GAL | NON-TRACKING TACK COAT 0.085/GAL GAL | ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) 1.5" CY | ASPHALT CONCRETE BASE, PG64-22, (449) 8" CY | AGGREGATE BASE 6" CY | AGGREGATE BASE 10" CY | PAVEMENT PLANING, ASPHALT CONCRETE SY | SUBGRADE COMPACTION SY | PROOF ROLLING HOUR | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22, (SHARED-USE PATH) 1.25" CY | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (SHARED-USE PATH) 1.75" CY | GEOTEXTILE FABRIC SY | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| BRICE ROAD (SOUTH) RESURFACING | 1+80 | 29+33 | | 135984 | | 630 | 831 | 1,284 | 630 | | | | 15,109 | | | | | | | | | |
| PAVEMENT REMOVED | 1+80 | 29+33 | | 101192 | 11,244 | | | | | | | | | | | | | | | | | |
| ACSC | | | | 146095 | | 676 | | | | | | | | | | | | | | | | |
| ACIC | | | | 146095 | | | 893 | | 676 | | | | | | | | | | | | | |
| ACB 1ST LIFT | | | | 160984 | | | 984 | | 1,987 | | | | | | | | | | | | | |
| ACB 2ND LIFT | | | 281 | 161218 | | | 985 | | 1,990 | | | | | | | | | | | | | |
| AGB | | | | 173411 | | | | | | 3,211 | | | 19,268 | 9.6 | | | | | | | | |
| UNDERCUT 12" | 1+80 | 3+50 | | 6228 | | | | | | | | | | | | | | | | 692 | | |
| UNDERCUT 18" | 5+00 | 7+00 | | 8167 | | | | | | | | | | | | | | | | 907 | | |
| SCARBOROUGH ROAD RESURFACING | 62+70 | 64+32 | | 8605 | | 40 | 53 | 81 | 40 | | | | 956 | | | | | | | | | |
| PAVEMENT REMOVED | 62+70 | 64+32 | | 2902 | 322 | | | | | | | | | | | | | | | | | |
| ACSC | | | | 2861 | | 13 | | | | | | | | | | | | | | | | |
| ACIC | | | | 2861 | | | 17 | | 13 | | | | | | | | | | | | | |
| ACB | | | | 2861 | | | 35 | | 71 | | | | | | | | | | | | | |
| AGB | | | | 3137 | | | | | | 58 | | | 349 | 0.2 | | | | | | | | |
| TUSSING ROAD RESURFACING | 65+10 | 71+00 | | 32558 | | 151 | 199 | 307 | 151 | | | | 3,618 | | | | | | | | | |
| PAVEMENT REMOVED | 65+10 | 71+00 | | 2796 | 311 | | | | | | | | | | | | | | | | | |
| ACSC | | | | 7791 | | 36 | | | | | | | | | | | | | | | | |
| ACIC | | | | 7791 | | | 48 | | 36 | | | | | | | | | | | | | |
| ACB | | | | 7791 | | | 95 | | 192 | | | | | | | | | | | | | |
| AGB | | | | 9403 | | | | | | 174 | | | 1,045 | 0.5 | | | | | | | | |
| SHARED-USE PATH ACSC | 1+80 | 42+90 | | 27902 | | | | | | | | | | | | 108 | | | | | | |
| ACIC | | | | 27902 | | | 171 | | | | | | | | | | 151 | | | | | |
| AGB | | | | 27902 | | | | | | | 861 | | 3,100 | | | | | | | | | |
| TOTALS CARRIED TO SUBSUMMARY | | | 238 | | 11,877 | 1,546 | 4,311 | 1,672 | 1,546 | 4,240 | 3,443 | 861 | 19,683 | 23,762 | 11 | 108 | 151 | 1,599 | | | | |

PAVEMENT SUBSUMMARY

FRA - 70 - 22.85

CALCULATED
TGW
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SUB

241
1356