

ITEM 448 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG 64-22

45mm ASPHALT CONCRETE, PG 64-22
STA. 8+090.525 TO STA. 8+092.525 = 2.000m
STA. 8+107.475 TO STA. 8+109.475 = 2.000m
TOTAL = 4.00m

AREA = 4.0m X 8.4m = 33.60 sq m
STA. 8+070.000 TO STA. 8+090.525 = 20.525m
STA. 8+109.475 TO STA. 8+130.000 = 20.525m
TOTAL = 41.05m

AREA = 41.05m X 0.5 (0.54 + 0.61)m X 2 = 47.21 sq m
VOLUME = 80.8 sq m X 0.045m = 3.63 cu m

USE 4 cu m

ITEM 448 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG 64-22

13mm ASPHALT CONCRETE, PG 64-22
STA. 8+074.900 TO STA. 8+090.525 = 15.625m
STA. 8+109.475 TO STA. 8+125.100 = 15.625m
TOTAL = 31.250m

VOLUME = 31.25m X 8.4m X 0.013m = 3.41 cu m

USE 3 cu m

ITEM 448 - ASPHALT CONCRETE SURFACE COURSE, TYPE I, PG 64-22

32mm ASPHALT CONCRETE, PG 64-22
STA. 8+090.525 TO STA. 8+092.525 = 2.000m
STA. 8+107.475 TO STA. 8+109.475 = 2.000m
TOTAL = 4.00m

AREA = 4.0m X 8.40m = 33.60 sq m
STA. 8+070.000 TO STA. 8+090.525 = 20.525m
STA. 8+109.475 TO STA. 8+130.000 = 20.525m
TOTAL = 41.05m

AREA = 41.05m X 0.5 (8.40 + 8.54)m = 347.69 sq m
VOLUME = (33.60 + 347.69)sq m X 0.032m = 12.20 cu m

USE 12 cu m

ITEM 254 - PAVEMENT PLANING

STA. 8+070.000 TO STA. 8+090.525 = 20.525m
STA. 8+109.475 TO STA. 8+130.000 = 20.525m
TOTAL = 41.050m

AREA = 41.05m X 0.5 X (8.40 + 8.54)m = 347.69 sq m

USE 348 sq m

ITEM 203 - SUBGRADE COMPACTION

STA. 8+090.525 TO STA. 8+097.125 = 6.600m
STA. 8+102.875 TO STA. 8+109.475 = 6.600m
TOTAL = 13.20m

AREA = 13.20m X 8.4m = 110.88 sq m

USE 111 sq m

ITEM 611 - REINFORCED CONCRETE APPROACH SLAB (T=305mm), AS PER PLAN

STA. 8+092.525 TO STA. 8+097.125 = 4.600m
STA. 8+102.875 TO STA. 8+107.475 = 4.600m
TOTAL = 9.2m

AREA = 9.2m X 8.4m = 77.28 sq m

USE 77 sq m

ITEM 304 - AGGREGATE BASE, AS PER PLAN

150mm AGGREGATE BASE
STA. 8+090.525 TO STA. 8+097.125 = 6.600m
STA. 8+102.875 TO STA. 8+109.475 = 6.600m
TOTAL = 13.20m

AREA = 13.2m X 8.7m = 114.84 sq m

STA. 8+070.000 TO STA. 8+090.525 = 20.525 m
STA. 8+109.475 TO STA. 8+130.000 = 20.525 m
TOTAL = 41.05 m

AREA = 41.05m X 0.5 X (0.54 + 0.61)m X 2 = 47.21 sq m

VOLUME = (114.84 + 47.21)sq m X 0.15 m = 24.3 cu m
(NOTE: REFER SHEET No. 17 FOR ADDITIONAL QUANTITIES)

USE 24 cu m

ITEM 407 - TACK COAT

STA. 8+070.000 TO STA. 8+090.525 = 20.525m
STA. 8+109.475 TO STA. 8+130.000 = 20.525m
TOTAL = 41.05m

AREA = 41.05m X 7.32m = 300.5 sq m
TACK COAT APPLIED AT 0.34 L/sq m
VOLUME = 300.5 X 0.34 = 102.17 L

USE 102 L

ITEM 408 - PRIME COAT

STA. 8+090.525 TO STA. 8+092.525 = 2.000m
STA. 8+107.475 TO STA. 8+109.475 = 2.000m
TOTAL = 4.00m

AREA = 4.0m X 8.4m = 33.60 sq m
STA. 8+070.000 TO STA. 8+090.525 = 20.525m
STA. 8+109.475 TO STA. 8+130.000 = 20.525m
TOTAL = 41.05m

AREA = 41.05m X 0.5 X (0.54 + 0.61)m X 2 = 47.21 sq m
TACK COAT APPLIED AT 1.80 L/sq m
VOLUME = (47.21 + 33.60) X 1.80 = 145.46 L
(NOTE: REFER SHEET No. 17 FOR ADDITIONAL QUANTITIES)

USE 146 L

ITEM 301 - BITUMINOUS AGGREGATE BASE, PG 64-22

STA. 8+090.525 TO STA. 8+092.525 = 2.000m
STA. 8+107.475 TO STA. 8+109.475 = 2.000m
TOTAL = 4.00m

AREA = 4.0m X 8.4m = 33.60 sq m
STA. 8+070.000 TO STA. 8+090.525 = 20.525m
STA. 8+109.475 TO STA. 8+130.000 = 20.525m
TOTAL = 41.05m

AREA = 41.05m X (0.54 + 0.61)m = 47.21 sq m
VOLUME = (47.21 + 33.60)sq m X 0.200m = 16.16 cu m
(NOTE: REFER SHEET No. 17 FOR ADDITIONAL QUANTITIES)

USE 16 cu m

ITEM 608 - CONCRETE WALK

STA. 8+085.000 TO STA. 8+097.125 = 12.125m X 2 = 24.25m
STA. 8+102.875 TO STA. 8+104.475 = 1.600m (LT) = 1.600m
STA. 8+102.875 TO STA. 8+105.074 = 2.199m (RT) = 2.199m
TOTAL = 28.049m

AREA = 28.049m X 1.52m = 42.63 sq m

USE 43 sq m

ITEM 609 - CURB, TYPE 6

STA. 8+090.525 TO STA. 8+092.525 = 2.000m X 2 = 4.00m
(NOTE: REFER SHEET No. 17 FOR ADDITIONAL QUANTITIES)

USE 4 m

ITEM 659 - SEEDING & MULCHING

AREA = 122 sq m (FROM CROSS SECTIONS)

USE 122 sq m

ITEM 659 - WATER

122 X 10/1000 = 1.22 cu m
CARRIED TO SHEET 4

USE 1 cu m

ITEM 659 - COMMERCIAL FERTILIZER

122 X 0.1 = 12.2 Kg

USE 12 Kg

ITEM 659 - AGRICULTURAL LIMING

122 X 0.563 = 68.7 Kg

USE 69 Kg

ITEM 642 - EDGE LINE, TYPE 2 (WHITE)

STA. 8+070.000 TO STA. 8+130.000 = 60m X 2 = 120m

USE 0.12 Km

ITEM 642 - CENTER LINE, TYPE 2 (DOUBLE, SOLID)

STA. 8+070.000 TO STA. 8+130.000 = 60m

USE 0.06 Km

ITEM 601 - ROCK CHANNEL PROTECTION, TYPE B WITH FABRIC FILTER

VOLUME = 204 cu m (FROM CROSS SECTIONS)

USE 204 cu m