

OFFICE CALCS

JAC-CR501-0.73

PAVEMENT AREA (PROPOSED) (N. HIGH ST.):

STA. 75+25 TO STA. 76+00 = 75 FT

STA. 76+00 TO STA. 76+89.96 = 89.96 FT

STA. 78+25.13 TO STA. STA. 79+75 = 149.87 FT

PAVEMENT AREA = $[0.5 \times (28.4' + 30') \times 75' + (89.96' \times 30') + (149.87' \times 30')] / 9 = 1042.77$ SY

PAVEMENT AREA (EAST RETURN AT WOOD AVE) = 41.43 SY

PAVEMENT AREA (WEST RETURN AT WOOD AVE.) = 16.44 SY

TOTAL PAVEMENT AREA = $1042.77 + 41.43 + 56.38 = 1140.58$ SY

PAVEMENT LENGTH = $75' + 89.96' + 149.87' = 314.83$ FT

ITEM 202 PAVEMENT REMOVED

STA. 75+25 TO STA. 77+12 = 187 FT

STA. 78+03 TO STA. 79+75 = 172 FT

EX. PAVT AREA = $[(187' + 172') \times 23'] / 9 = 917.45$ SY

EX. PAVT AREA (EAST RETURN AT WOOD AVE) = 62.84 SY

EX. PAVT AREA (WEST RETURN AT WOOD AVE) = 50.54 SY

TOTAL AREA = $917.45 + 62.84 + 50.54 = 1030.83$ SY

QUANTITY CARRIED TO GENERAL SUMMARY = **1031 SY**

ITEM 204 SUBGRADE COMPACTION

TOTAL PAVEMENT AREA = 1140.58 SY

ADD FOR EDGE COURSE: $2 \times (314.83' \times 1.5') / 9 = 104.94$ SY

GRAND TOTAL = $1140.58 + 104.94 = 1245.52$

QUANTITY CARRIED TO GENERAL SUMMARY = **1246 SY**

ITEM 252 FULL DEPTH PAVEMENT SAWING

STA. 75+25 = 22 FT

STA. 79+75 = 34 FT

TOTAL LENGTH = $22 + 34 = 56$ FT

QUANTITY CARRIED TO GENERAL SUMMARY = **56 FT**

ITEM 301 ASPHALT CONCRETE BASE, PG64-22

TOTAL PAVEMENT AREA = 1140.58 SY

$[1140.58 \times 6"] / (12 \times 3) = 190.10$ CY

ADD FOR EDGE COURSE:

$2 \times (4" \times 6" \times 314.83') / (12 \times 12 \times 27) = 3.89$ CY

TOTAL = 190.10 CY + 3.89 CY = 193.99 CY

QUANTITY CARRIED TO GENERAL SUMMARY = **194 CY**

ITEM 304 AGGREGATE BASE

TOTAL PAVEMENT AREA = 1140.58 SY

$[1140.58 \times 6"] / (12 \times 3) = 190.10 \text{ CY}$

ADD FOR EDGE COURSE:

$2 \times (6" \times 6" \times 314.83') / (12 \times 12 \times 27) = 5.83 \text{ CY}$

TOTAL = 190.10 CY + 5.83 CY = 195.93 CY

QUANTITY CARRIED TO GENERAL SUMMARY = **196 CY**

ITEM 407 TACK COAT

PAVEMENT AREA = 1140.58 SY

$[2 \times (1140.58) \times 0.06] = 136.87 \text{ GAL}$

QUANTITY CARRIED TO GENERAL SUMMARY = **137 GAL**

ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), AS PER PLAN, PG64-22

PAVEMENT AREA = 1140.58 SY

$(1140.58 \times 1.25") / (12 \times 3) = 39.60 \text{ CY}$

QUANTITY CARRIED TO GENERAL SUMMARY = **40 CY**

ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448)

PAVEMENT AREA = 1140.58 SY

$(1140.58 \times 1.75") / (12 \times 3) = 55.44 \text{ CY}$

QUANTITY CARRIED TO GENERAL SUMMARY = **56 CY**