

# OFFICE CALCS

## ATB-20-8.28

PAVEMENT AREA (S.R. 20) (FROM CADD):

$$6158+40+40 = 6238 \text{ SF}$$

CULVERT AREA:

$$(48' \times 21')/9 = 112 \text{ SY}$$

### ITEM 202 PAVEMENT REMOVED

$$6238 \text{ SF}/9=693.11 \text{ S Y}$$

QUANTITY CARRIED TO GENERAL SUMMARY = **695 SY**

### ITEM 204 SUBGRADE COMPACTION

$$(6238+ (340) (1) (\text{EDGE}))/9 = 731 \text{ SY}$$

DEDUCT FOR CULVERT: 112 SY

$$731 - 112 = 619 \text{ SY}$$

QUANTITY CARRIED TO GENERAL SUMMARY = **619 SY**

### ITEM 301 ASPHALT CONCRETE BASE, PG64-22

$$[(6238) (9'')]/12/27 = 173.28 \text{ CY}$$

ADD FOR CULVERT:

$$112 \times 12''/12/3 = 37.33 \text{ CY}$$

$$173.28 + 37.33 = 210.61 \text{ CY}$$

QUANTITY CARRIED TO GENERAL SUMMARY = **211 CY**

### ITEM 304 AGGREGATE BASE, AS PER PLAN

$$(6238+(340) (1) (\text{EDGE})) *6''/12/27 = 121.81 \text{ CY}$$

DEDUCT FOR CULVERT:

$$112 \text{ SY} \times 6''/12''/3 = 18.67 \text{ CY}$$

$$121.81 - 18.67 = 103.14 \text{ CY}$$

QUANTITY CARRIED TO GENERAL SUMMARY = **104 CY**

ITEM 407 NON-TRACKING TACK COAT

(2) (6238/9) (0.06) = 83.17 GAL

ADD FOR CULVERT:

112 SY X 0.06 = 6.72 GAL

83.17 + 6.72 = 89.89 GAL

QUANTITY CARRIED TO GENERAL SUMMARY = **90 GAL**

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

(6238) (3")/12/27 = 57.76 CY

QUANTITY CARRIED TO GENERAL SUMMARY = **58 CY**