WAR-123-28.55
OFFICE CALCS

PAVEMENT AREA (PROPOSED):
PAVEMENT AREA (BY CADD) = 16573.40 SF
PAVEMENT AREA = 16573.40 / 9 = 1841.49 SY

SHOULDER LENGTH (PROPOSED):
LEFT SIDE = 376.80 FT
RIGHT SIDE = 346.90 FT

ITEM 202 PAVEMENT REMOVED
BEAL ROAD WEST OF BRIDGE (BY CADD) = 3301.98 SF
BEAL ROAD EAST OF THE BRIDGE (BY CADD) = 5399.45
TOTAL = (3301.98 + 5399.45) = 966.83 SY
QUANTITY CARRIED TO GENERAL SUMMARY = 967 SY

ITEM 204 SUBGRADE COMPACTION
PAVEMENT AREA = 1841.49 SY
CURB AND GUTTER AREA = (2.5' X 10') / 9 = 2.78 SY
TOTAL AREA = 1841.49 + 2.78 = 1844.47 SY
ADD FOR EDGE COURSE: (376.80' + 346.90') X 1.5' / 9 = 120.62 SY

GRAND TOTAL = 1844.47 + 120.62 = 1965.09
QUANTITY CARRIED TO GENERAL SUMMARY = 1966 SY

ITEM 301 ASPHALT CONCRETE BASE, PG64-22, (449)
PAVEMENT AREA = 1841.49 SY
(1841.49 x 6") / (12 x 3) = 306.92 CY
ADD FOR EDGE COURSE: [(376.80' + 346.90) X 6" X 4"] / (12" X 12" X 27) = 4.47 CY
TOTAL = 306.92 + 4.47 = 311.39 CY
QUANTITY CARRIED TO GENERAL SUMMARY = 312 CY

ITEM 304 AGGREGATE BASE
PAVEMENT AREA = 1841.49 SY
(1841.49 x 6"] / (12 x 3) = 306.92 CY
ADD FOR EDGE COURSE: [(376.80' + 346.90) X 6" X 10"] / (12" X 12" X 27) = 11.17 CY
TOTAL = 306.92 + 11.17 = 318.09 CY
QUANTITY CARRIED TO GENERAL SUMMARY = 319 CY

ITEM 407 NON-TRACKING TACK COAT
PAVEMENT AREA = 1841.49 SY
1841.49 X 0.06 = 110.49 GAL
QUANTITY CARRIED TO GENERAL SUMMARY = 111 GAL

ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG64-22
PAVEMENT AREA = 1841.49 SY
(1841.49 x 1.25") / (12 x 3) = 63.94 CY
QUANTITY CARRIED TO GENERAL SUMMARY = **64 CY**

ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (449)
PAVEMENT AREA = 1841.49 SY
(1841.49 x 1.75") / (12 x 3) = 89.52 CY
QUANTITY CARRIED TO GENERAL SUMMARY = **90 CY**