

CALCULATIONS

ITEM 404 1 1/2", ASPHALT CONCRETE, AC-20

A.	STA 524+90 TO STA 527+22.27		9523.07 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	44.09 CU.YD.
B.	STA 527+22.27 TO STA 527+71.51		1920.36 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	8.89 CU.YD.
C.	STA 527+71.51 TO STA 533+64.89		36.0 FT. x 593.38 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	98.90 CU.YD.
D.	STA 533+64.89 TO STA 535+36.30		6170.76 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	28.56 CU.YD.
E.	STA 535+36.30 TO STA 536+15.89		36.0 FT. x 79.59 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	13.27 CU.YD.
F.	STA 536+15.89 TO STA 536+86.41		2538.72 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	11.75 CU.YD.
G.	STA 536+86.41 TO STA 541+17		36.0 FT. x 430.59 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	71.77 CU.YD.
H.	STA 541+17 TO STA 542+34		36.0 FT. x 117.00 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	19.50 CU.YD.
I.	STA 542+34 TO STA 546+31.44		36.0 FT. x 397.44 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	66.24 CU.YD.
J.	STA 546+31.44 TO STA 548+32.75		7247.16 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	33.55 CU.YD.
K.	STA 548+32.75 TO STA 551+92.08		36.0 FT. x 359.33 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	59.89 CU.YD.
L.	STA 551+92.08 TO STA 554+10.22		7853.04 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	36.36 CU.YD.
M.	STA 554+10.22 TO STA 555+01		36.0 FT. x 90.78 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	15.13 CU.YD.
N.	STA 555+01 TO STA 556+51		33.5 FT. x 150.0 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	23.27 CU.YD.
O.	STA 556+51 TO STA 556+64.74		31.0 FT. x 14 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	2.01 CU.YD.
P.	STA 556+64.74 TO STA 557+37.74		2263.00 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	10.48 CU.YD.
Q.	STA 557+37.74 TO STA 559+35.44		31.0 FT. x 197.7 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	28.38 CU.YD.
R.	STA 559+35.44 TO STA 559+98.44		1953.00 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	9.04 CU.YD.
S.	STA 559+98.44 TO STA 570+92.64		31.0 FT. x 1094.2 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	157.04 CU.YD.
T.	STA 570+92.64 TO STA 571+73		2491.16 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	11.53 CU.YD.
U.	STA 571+73 TO STA 572+01.97		31.0 FT. x 28.97 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	4.16 CU.YD.
V.	STA 572+01.97 TO STA 579+49.63		31.0 FT. x 744.62 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	106.87 CU.YD.
W.	STA 579+49.63 TO STA 581+49.09		35.25 FT. x 199.48 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	32.56 CU.YD.
X.	STA 581+49.09 TO STA 582+54.05		31.0 FT. x 102.26 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	14.68 CU.YD.
Y.	STA 582+54.05 TO STA 583+25.05		2201.00 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	10.19 CU.YD.
Z.	STA 583+25.05 TO STA 586+04.54		31.0 FT. x 279.49 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	40.12 CU.YD.
AA.	STA 586+04.54 TO STA 586+74.54		2170.00 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	10.05 CU.YD.
AB.	STA 586+74.54 TO STA 593+06.09		31.0 FT. x 631.55 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	90.64 CU.YD.
AC.	STA 593+06.09 TO STA 593+52.10		1776 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	8.22 CU.YD.
AD.	STA 593+52.10 TO STA 594+56.38		31.0 FT. x 104.28 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	14.97 CU.YD.
AE.	STA 594+56.38 TO STA 595+98.23		5728 SQ.FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	26.52 CU.YD.
AF.	STA 595+98.23 TO STA 597+64.98		25.0 FT. x 166.75 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	19.30 CU.YD.
AG.	STA 597+64.98 TO STA 598+13.55		26.5 FT. x 48.57 FT. x	0.1250 FT. /	27 CU.FT./CU.YD.	=	5.96 CU.YD.
			SUBTOTAL			=	1133.89 CU.YD.
			TOTAL OF ITEM 404 - ASPHALT CONCRETE, AC-20			=	1134 CU.YD.

ITEM 404 ASPHALT CONCRETE, AC-20 (BUTT JOINT AS PER BP-3.1)

A.	STA 524+90 TO STA 525+02.5, ERIE STREET		12.5 FT. x 41 FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	3.33 CU.YDS.
B.	STA 10+82.5 TO STA 10+95, WOOD STREET		384.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	2.49 CU.YDS.
C.	STA 9+34 TO STA 9+46.5, WATSON STREET		280.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	1.82 CU.YDS.
D.	STA 9+10 TO STA 9+22.5, RICHMOND STREET		12.5 FT. x 44 FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	3.57 CU.YDS.
E.	STA 10+69.5 TO STA 10+82, RICHMOND STREET		520.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	3.38 CU.YDS.
F.	STA 10+36.5 TO STA 10+49, LIBERTY STREET EXTENSION		248.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	1.61 CU.YDS.
G.	STA 9+13 TO STA 9+25.5, ST. CLAIR STREET		400.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	2.60 CU.YDS.
H.	STA 11+07.5 TO STA 11+20, ST. CLAIR STREET		412.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	2.68 CU.YDS.
I.	STA 8+91 TO STA 9+03.5, STATE STREET		472.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	3.06 CU.YDS.
J.	STA 10+97.5 TO STA 11+10, STATE STREET		460.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	2.99 CU.YDS.
K.	STA 10+28.5 TO STA 10+41, ROCKWOOD DRIVE		256.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	1.66 CU.YDS.
L.	STA 10+23.5 TO STA 10+36, PARMLY PLACE		240.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	1.56 CU.YDS.
M.	INTERSECTION OF ERIE STREET AND RECREATION DRIVE		736.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	4.78 CU.YDS.
N.	STA 10+28.5 TO STA 10+41, PARKVIEW DRIVE		240.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	1.56 CU.YDS.
O.	STA 50+28.5 TO STA 50+41, PARKVIEW DRIVE		240.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	1.56 CU.YDS.
P.	STA 9+68 TO STA 9+80.5, NOTTINGHAM PLACE		160.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	1.04 CU.YDS.
Q.	STA 10+18.5 TO STA 10+31, BLAIR PLACE		196.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	1.28 CU.YDS.
R.	STA 9+52 TO STA 9+64.5, FOBES STREET		320.0 SQ.FT. x	0.175 FT. /	27 CU.FT. / CU.YD.	=	2.08 CU.YDS.
			SUBTOTAL			=	43.05 CU.YDS.
			TOTAL OF ITEM 404 - ASPHALT CONCRETE, AC-20			=	44 CU.YDS.

ITEM 407 TACK COAT

A.	STA 524+90 TO STA 527+22.27		9523.07 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	105.81 GAL.
B.	STA 527+22.27 TO STA 527+71.51		1920.30 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	21.34 GAL.
C.	STA 527+71.51 TO STA 533+64.89		36.0 FT. x 593.38 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	237.36 GAL.
D.	STA 533+64.89 TO STA 535+36.30		6170.76 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	68.56 GAL.
E.	STA 535+36.30 TO STA 536+15.89		36.0 FT. x 79.59 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	31.84 GAL.
F.	STA 536+15.89 TO STA 536+86.41		2538.72 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	28.21 GAL.
G.	STA 536+86.41 TO STA 541+17		36.0 FT. x 430.59 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	172.24 GAL.
H.	STA 541+17 TO STA 542+34		36.0 FT. x 117.00 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	46.80 GAL.
I.	STA 542+34 TO STA 546+31.44		36.0 FT. x 397.44 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	158.98 GAL.
J.	STA 546+31.44 TO STA 548+32.75		7247.16 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	80.52 GAL.
K.	STA 548+32.75 TO STA 551+92.08		36.0 FT. x 359.33 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	143.73 GAL.
L.	STA 551+92.08 TO STA 554+10.22		7853.04 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	87.26 GAL.
M.	STA 554+10.22 TO STA 555+01		36.0 FT. x 90.78 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	36.32 GAL.
N.	STA 555+01 TO STA 556+51		33.5 FT. x 150.0 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	55.84 GAL.
O.	STA 556+51 TO STA 556+64.74		31.0 FT. x 13.7 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	4.72 GAL.
P.	STA 556+64.74 TO STA 557+37.74		2263.00 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	25.14 GAL.
Q.	STA 557+37.74 TO STA 559+35.44		31.0 FT. x 197.7 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	68.10 GAL.
R.	STA 559+35.44 TO STA 559+98.44		1953.00 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	21.70 GAL.
S.	STA 559+98.44 TO STA 570+92.64		31.0 FT. x 1094.2 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	376.90 GAL.
T.	STA 570+92.64 TO STA 571+73		2491.16 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	27.68 GAL.
U.	STA 571+73 TO STA 572+01.97		31.0 FT. x 28.97 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	9.98 GAL.
V.	STA 572+01.97 TO STA 579+49.63		31.0 FT. x 744.62 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	256.49 GAL.
W.	STA 579+49.63 TO STA 581+49.09		35.25 FT. x 199.48 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	78.13 GAL.
X.	STA 581+49.09 TO STA 582+54.05		31.0 FT. x 102.26 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	35.23 GAL.
Y.	STA 582+54.05 TO STA 583+25.05		2201.00 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	24.46 GAL.
Z.	STA 583+25.05 TO STA 586+04.54		31.0 FT. x 279.49 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	96.27 GAL.
AA.	STA 586+04.54 TO STA 586+74.54		2170.00 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	24.10 GAL.
AB.	STA 586+74.54 TO STA 593+06.09		31.0 FT. x 631.55 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	217.54 GAL.
AC.	STA 593+06.09 TO STA 593+52.10		1776 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	19.74 GAL.
AD.	STA 593+52.10 TO STA 594+56.38		31.0 FT. x 104.28 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	35.92 GAL.
AE.	STA 594+56.38 TO STA 595+98.23		5728 SQ.FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	63.65 GAL.
AF.	STA 595+98.23 TO STA 597+64.98		25.0 FT. x 166.75 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	46.32 GAL.
AG.	STA 597+64.98 TO STA 598+13.55		26.5 FT. x 48.57 FT. /	9 SQ.FT./SQ.YD. x	0.1 GAL./SQ.YD.	=	14.31 GAL.
			SUBTOTAL			=	2721.19 GAL.
			TOTAL OF ITEM 407 - TACK COAT			=	2722 GAL.