

NINTH STREET

CALCULATIONS

MANLEY ALLEY

HARVEY STREET

CALC.
BY: _____
DATE: _____
CHKD.
BY: _____
DATE: _____

STA. 0+00.00 TO 0+15.45

ITEM 404-1-1/4" ASPHALT CONCRETE, AC-20
(3213 FT.² X (1.25"/12))/27=12.4 CU. YD.

ITEM 407-TACK COAT
(357 YD.² X 0.1)=35.7 GAL.

STA. 0+16.45 TO 9+45.87= 929.42 LIN. FT.

ITEM 404-1-1/4" ASPHALT CONCRETE, AC-20
(929.42' X 48' X (1.25"/12))/27=172.1 CU. YD.

ITEM 402-1-3/4" ASPHALT CONCRETE, AC-20
(929.42' X 48' X (1.75"/12))/27=241.0 CU. YD.

ITEM 301-5" BITUMINOUS AGGREGATE BASE, AC-20
(929.42' X 48' X (5"/12))/27=688.5 CU. YD.

ITEM 304-6" AGGREGATE BASE
(929.42' X 53' X (6"/12))/27=912.2 CU. YD.

ITEM 408-BITUMINOUS PRIME COAT, @0.4 GAL./SQ. YD.
((929.42' X 48')/9) X 0.4 =1982.8 GAL.

ITEM 609-CONCRETE CURB, TYPE 2 (THICKNESS = 8")
(929.42' X 2 EA) =1858.8 LIN. FT.

ITEM 203-SUBGRADE COMPACTION
((929.42' X 53')/9) =5473.3 SQ. YD.

STA. 9+45.87 TO 13+15.86= 369.99 LIN. FT.

ITEM 404-1-1/4" ASPHALT CONCRETE, AC-20
(369.99' X 54' X (1.25"/12))/27=77.1 CU. YD.

ITEM 402-1-3/4" ASPHALT CONCRETE, AC-20
(369.99' X 54' X (1.75"/12))/27=107.9 CU. YD.

ITEM 301-5" BITUMINOUS AGGREGATE BASE, AC-20
(369.99' X 54' X (5"/12))/27=308.3 CU. YD.

ITEM 304-6" AGGREGATE BASE
(369.99' X 59' X (6"/12))/27=404.2 CU. YD.

ITEM 408-BITUMINOUS PRIME COAT, @0.4 GAL./SQ. YD.
((369.99' X 54')/9) X 0.4 =888.0 GAL.

ITEM 609-CONCRETE CURB, TYPE 2 (THICKNESS = 8")
(369.99' X 2 EA)=740.0 LIN. FT.

ITEM 203-SUBGRADE COMPACTION
((369.99' X 59')/9)=2425.5 SQ. YD.

STA. 11+87.78 TO 13+23.00

ITEM 404-1-1/4" ASPHALT CONCRETE, AC-20
(2610 FT.² X (1.25"/12))/27=10.1 CU. YD.

ITEM 407-TACK COAT
(290 YD.² X 0.1)=29.0 GAL.

MARIETTA STREET (TURN LANE)

ITEM 404-1-1/4" ASPHALT CONCRETE, AC-20
(100' X 12' X (1.25"/12))/27=4.6 CU. YD.

ITEM 402-1-3/4" ASPHALT CONCRETE, AC-20
(100' X 12' X (1.75"/12))/27=6.5 CU. YD.

ITEM 301- 5" BITUMINOUS AGGREGATE BASE, AC-20
(100' X 12' X (5"/12))/27=18.5 CU. YD.

ITEM 304- 6" AGGREGATE BASE
(100' X 14.5' X (6"/12))/27=26.9 CU. YD.

ITEM 408- BITUMINOUS PRIME COAT, @0.4 GAL./SQ. YD.
((100' X 12')/9) X 0.4 =53.3 GAL.

ITEM 609-CONCRETE CURB, TYPE 2 (THICKNESS = 8")
100.0 LIN. FT.

ITEM 203- SUBGRADE COMPACTION
((100' X 14.5')/9) =161.1 SQ. YD.

STA. 0+25.00 TO 0+50.00= 25.00 LIN. FT.

ITEM 404-1-1/4" ASPHALT CONCRETE, AC-20
(25' X 20' X (1.25"/12))/27=0.2 CU. YD.

ITEM 402-1-3/4" ASPHALT CONCRETE, AC-20
(25' X 20' X (1.75"/12))/27=0.3 CU. YD.

ITEM 301-5" BITUMINOUS AGGREGATE BASE, AC-20
(25' X 20' X (5"/12))/27=0.8 CU. YD.

ITEM 304-6" AGGREGATE BASE
(25' X 25' X (6"/12))/27=11.6 CU. YD.

ITEM 408-BITUMINOUS PRIME COAT, @0.4 GAL./SQ. YD.
((25' X 20')/9) X 0.4=22.2 GAL.

ITEM 609-CONCRETE CURB, TYPE 2 (THICKNESS = 8")
(25' X 2 EA)=50.0 LIN. FT.

ITEM 203-SUBGRADE COMPACTION
((25' X 25')/9)=69.5 SQ. YD.

STA. 0+25.00 TO 1+10.00= 85.00 LIN. FT.

ITEM 404-1-1/4" ASPHALT CONCRETE, AC-20
(85' X 36' X (1.25"/12))/27=11.8 CU. YD.

ITEM 402-1-3/4" ASPHALT CONCRETE, AC-20
(85' X 36' X (1.75"/12))/27=16.5 CU. YD.

ITEM 301- 5" BITUMINOUS AGGREGATE BASE, AC-20
(85' X 36' X (5"/12))/27=47.2 CU. YD.

ITEM 304- 6" AGGREGATE BASE
(85' X 41' X (6"/12))/27=64.5 CU. YD.

ITEM 408- BITUMINOUS PRIME COAT, @0.4 GAL./SQ. YD.
((85' X 36')/9) X 0.4=136.0 GAL.

ITEM 609-CONCRETE CURB, TYPE 2 (THICKNESS = 8")
(85' X 2 EA)=170.0 LIN. FT.

ITEM 203- SUBGRADE COMPACTION
((85' X 41')/9)=387.2 SQ. YD.

CALCULATIONS SUMMARY		TOTALS CARRIED TO
ITEM	DESCRIPTION	GENERAL SUMMARY SHEET NO. 4
ITEM 404	1-1/4" ASPHALT CONCRETE, AC-20	289 CU. YD.
ITEM 402	1-3/4" ASPHALT CONCRETE, AC-20	372 CU. YD.
ITEM 301	5" BITUMINOUS AGGREGATE BASE, AC-20	1063 CU. YD.
ITEM 304	6" AGGREGATE BASE	1419 CU. YD.
ITEM 407	TACK COAT, @0.1 GAL./SQ. YD.	65 GAL.
ITEM 408	BITUMINOUS PRIME COAT, @0.4 GAL./SQ. YD.	3082 GAL.
ITEM 609	CONCRETE CURB, TYPE 2 (THICKNESS = 8")	2919 LIN. FT.
ITEM 203	SUBGRADE COMPACTION	8517 SQ. YD.

FEDERAL
PROJ. NO.

PID NO.

COUNTY
PROJ. NO.

CALCULATIONS

NINTH STREET

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