

CURB AND GUTTER (COMBINED) (AE)					
STA. TO STA. (BASELINE)	ROADWAY	SIDE	LENGTH (m)	REMARKS	
			TYPE I (150mm)		
1+027.500	2+581.733	29th Street	Lt.	1,555.339	Includes Thru Drives
1+027.500	2+011.953	29th Street	Rt.	985.283	Includes Thru Drives
2+050.279	2+359.384	29th Street	Rt.	309.104	Includes Thru Drives
2+391.389	2+581.137	29th Street	Rt.	189.761	Includes Thru Drives
2+631.830	2+700.000	29th Street	Lt.	68.183	Includes Thru Drives
2+631.383	2+700.000	29th Street	Rt.	68.630	Includes Thru Drives
3+786.805	3+975.329	Tyler Road	Rt.	188.566	Includes Thru Drives
3+789.155	3+974.424	Tyler Road	Lt.	185.311	Includes Thru Drives
4+025.117	4+125.556	Tyler Road	Rt.	100.453	Includes Thru Drives
4+024.984	4+154.788	Tyler Road	Lt.	129.817	Includes Thru Drives
NW Radius of 29th & Tyler Intersection				23.502	
NE Radius of 29th & Tyler Intersection				23.581	
SW Radius of 29th & Tyler Intersection				23.853	
SE Radius of 29th & Tyler Intersection				23.312	
TOTALS				3,874.695	Includes Thru Drives
			MEDIAN (170mm)		
1+037.823	1+170.800	29th Street	Rt.	132.990	
1+037.823	1+170.800	29th Street	Lt.	133.185	
1+210.000	1+334.000	29th Street	Rt.	124.000	
1+210.000	1+334.000	29th Street	Lt.	124.000	
1+407.000	1+780.000	29th Street	Rt.	373.000	
1+407.000	1+780.000	29th Street	Lt.	373.000	
1+804.287	1+999.400	29th Street	Rt.	195.126	
1+804.287	1+999.400	29th Street	Lt.	195.126	
2+092.000	2+347.400	29th Street	Rt.	255.400	
2+092.000	2+347.400	29th Street	Lt.	255.400	
2+433.200	2+588.146	29th Street	Rt.	155.154	
2+433.200	2+588.146	29th Street	Lt.	154.959	
2+625.271	2+697.000	29th Street	Rt.	71.736	
2+625.271	2+697.000	29th Street	Lt.	71.931	
3+885.252	3+981.395	Tyler Road	Rt.	96.351	
3+885.252	3+981.395	Tyler Road	Lt.	96.156	
4+018.856	4+113.000	Tyler Road	Rt.	94.446	
4+018.856	4+113.000	Tyler Road	Lt.	94.641	
TOTALS				2,996.601	

PAVING BRICK*						
STA. TO STA. (BASELINE)	ROADWAY	LOCATION	AREA (sq. m)	SIZE (mm)	Pattern	
1+037.823	1+099.023	29th Street	Median	63.894	60mm	Appian Stone (Red)
2+527.932	2+588.146	29th Street	Median	63.292	60mm	Appian Stone (Red)
2+625.273	2+697.000	29th Street	Median	93.698	60mm	Appian Stone (Red)
3+921.170	3+981.395	Tyler Road	Median	63.299	60mm	Appian Stone (Red)
4+018.856	4+078.800	Tyler Road	Median	63.303	60mm	Appian Stone (Red)
TOTALS				347.486		
Intersection of 29th & Maize		Crosswalk	61.045	80mm	Plaza-Stone (Plaza I) (Red)	
Intersection of 29th & Tyler		Crosswalks	325.080	80mm	Plaza-Stone (Plaza I) (Red)	
TOTALS				386.125		
*Includes Sand Base						

REINFORCED CONCRETE PAVEMENT (CLASS A) (AE)						
STATION	ROADWAY	SIDE	LOCATION	AREA (sq. m)	THICKNESS (mm)	REMARKS
1+031.349	29th Street	--	Intersection	196.379	230	Crosswalk @ Maize
2+606.713	29th Street	--	Intersection	1,699.164	230	Intersection @ Tyler
TOTALS				1,895.543	230	
1+110.000	29th Street	Rt.	Drive	41.496	150	Measured Quantity
1+186.760	29th Street	Rt.	Drive	27.774	150	Measured Quantity
1+271.393	29th Street	Rt.	Drive	27.774	150	Measured Quantity
1+353.269	29th Street	Lt.	Drive	27.776	150	Measured Quantity
1+390.887	29th Street	Lt.	Drive	27.776	150	Measured Quantity
1+509.168	29th Street	Rt.	Drive	41.496	150	Measured Quantity
1+793.629	29th Street	Rt.	Drive	41.496	150	Measured Quantity
TOTALS				235.588		Measured Quantity
2+031.125	29th Street	Rt.	Valley Gutter	181.283	200	
2+375.395	29th Street	Rt.	Valley Gutter	139.618	200	
3+772.734	Tyler Road	Lt.	Valley Gutter	158.251	200	
3+769.565	Tyler Road	Rt.	Valley Gutter	207.881	200	
4+139.901	Tyler Road	Rt.	Valley Gutter	131.109	200	
TOTALS				818.142	200	

A.C. PAVEMENT					
STA. TO STA. (BASELINE)	ROADWAY	AREA (sq. m)	THICKNESS (mm)	REMARKS	
180mm Asphalt Pavement (130mm Bit. Base)					
1+021.162	1+031.349	29th Street	330.530	180	BM-1B over BM-2
1+037.170	2+581.733	29th Street	22,357.902	180	BM-1B over BM-2
2+631.383	2+780.000	29th Street	1,976.477	180	BM-1B over BM-2
3+755.302	3+975.329	Tyler Road	3,198.890	180	BM-1B over BM-2
4+024.984	4+170.000	Tyler Road	2,220.187	180	BM-1B over BM-2
TOTALS			30,083.986	180	
A.C. Pavement Bike Path					
1+032.732	Rt.	29th Street	27.534	150	BM-2
1+034.378	Lt.	29th Street	23.660	150	BM-2
TOTALS			51.194	150	

REINFORCED CRUSHED ROCK BASE					
STA. TO STA. (BASELINE)	ROADWAY	AREA (sq. m)	THICKNESS (mm)	REMARKS	
1+021.162	1+031.349	29th Street	351.387	200	
1+037.170	2+581.733	29th Street	27,743.428	200	
2+631.383	2+780.000	29th Street	2,309.589	200	
3+755.302	3+975.329	Tyler Road	3,841.537	200	
4+024.984	4+170.000	Tyler Road	2,680.663	200	
TOTALS			36,926.604	200	(Includes Geogrid Reinf.)
1+031.349	1+045.000	29th Street	218.624	150	Intersection
2+581.733	2+631.383	29th Street	1,852.125	150	Intersection
TOTALS			2,070.749	150	(Includes Geogrid Reinf.)
STATION (BASELINE)	ROADWAY	SIDE	AREA (sq. m)	THICKNESS (mm)	REMARKS
2+031.125	29th Street	Rt.	147.418	180	Valley Gutter
2+375.395	29th Street	Rt.	112.402	180	Valley Gutter
3+772.734	Tyler Road	Lt.	130.065	180	Valley Gutter
3+769.565	Tyler Road	Rt.	182.502	180	Valley Gutter
2+031.125	Tyler Road	Rt.	107.451	180	Valley Gutter
TOTALS			679.838	180	(Includes Geogrid Reinf.)

MONOLITHIC EDGE CURB (AE)					
STATION	ROADWAY	SIDE	LOCATION	LENGTH (m)	REMARKS
				150mm	
2+011.953	29th Street	Rt.	Keith	13.418	Valley Gutter
2+050.279	29th Street	Rt.	Keith	14.748	Valley Gutter
2+359.384	29th Street	Rt.	Meadow Park	12.121	Valley Gutter
2+391.389	29th Street	Rt.	Meadow Park	12.123	Valley Gutter
3+759.159	Tyler Road	Lt.	Meadow Park	12.346	Valley Gutter
3+789.155	Tyler Road	Lt.	Meadow Park	14.538	Valley Gutter
3+755.187	Tyler Road	Rt.	Meadow Park	16.045	Valley Gutter
3+786.805	Tyler Road	Rt.	Meadow Park	14.530	Valley Gutter
4+125.556	Tyler Road	Rt.	Oak Ridge	12.631	Valley Gutter
4+154.788	Tyler Road	Rt.	Oak Ridge	14.692	Valley Gutter
TOTALS				137.192	

SIDEWALK CONCRETE					
STA. TO STA. (BASELINE)	SIDE	ROADWAY	AREA (sq. m)	REMARKS	
			100mm		
1+034.573	1+351.394	Lt.	29th Street	575.426	Measured Quantity
1+035.726	1+106.900	Rt.	29th Street	128.113	Measured Quantity
1+113.000	1+184.885	Rt.	29th Street	129.564	Measured Quantity
1+188.635	1+269.468	Rt.	29th Street	145.669	Measured Quantity
1+273.218	1+506.168	Rt.	29th Street	491.309	Measured Quantity
1+355.144	1+389.012	Lt.	29th Street	62.445	Measured Quantity
1+392.762	2+590.599	Lt.	29th Street	2,179.715	Measured Quantity
1+512.268	1+790.629	Rt.	29th Street	501.050	Measured Quantity
1+796.729	2+017.436	Rt.	29th Street	406.958	Measured Quantity
2+045.709	2+364.614	Rt.	29th Street	574.604	Measured Quantity
2+386.372	2+590.111	Rt.	29th Street	372.842	Measured Quantity
2+622.569	2+735.876	Rt.	29th Street	153.609	Measured Quantity
2+622.936	2+713.422	Lt.	29th Street	171.298	Measured Quantity
3+755.186	3+758.802	Rt.	Tyler Road	11.994	Measured Quantity
3+782.944	3+986.692	Lt.	Tyler Road	350.529	Measured Quantity
3+780.395	3+977.517	Rt.	Tyler Road	356.943	Measured Quantity
4+022.768	4+151.793	Lt.	Tyler Road	53.697	Measured Quantity
4+022.889	4+131.492	Rt.	Tyler Road	198.152	Measured Quantity
4+148.341	4+154.788	Rt.	Tyler Road	11.605	Measured Quantity
TOTAL				6,803.522	Measured Quantity

EARTHWORK										
STA. TO STA. (BASELINE)	ROADWAY	EXCAVATION		COMPACTION		EXCAVATION WASTED		EMBANKMENT	TOPSOIL	REMARKS
		COMMON (cu. m.)	NOTE	IN FILL (TYPE B) (MR-90) (cu. m.)	IN CUT (TYPE B) (MR-90) (cu. m.)	COMMON (cu. m.)	ROCK (cu. m.)			
1+037.823	2+780.000	29th Street	8,291.54	*	14,199.79	-	-	-	-	See Cross-Sections.
3+755.302	4+170.00	Tyler Road	4,768.36	*	666.16	-	-	-	-	See Cross-Sections.
NET TOTALS			13,059.90	*	14,865.95	-	-	-	-	See Cross-Sections.
EX. PAVEMENT ADJUSTMENT			-1,035.95	**	-	-	-	-	-	
OVEREXCAVATION ADJUSTMENT			558.84	***	558.84	-	-	-	-	
BID TOTALS			12,582.79		15,424.79	-	-	-	-	

* Total Excavation = Earth Work Calculated from Existing Surfaces.
 ** Estimated Volume of Removal of Pavement (See Earthwork Quantity Sheets for Depths).

*** Volume of Overexcavation of Soft Ground (See Earthwork Cross Sections and Quantity Sheets for Details).

CRUSHED ROCK SURFACE					
STATION (BASELINE)	ROADWAY	AREA (sq. m)	THICKNESS (mm)	REMARKS	
1+110.000, Rt.	29th Street	33.950	150	Drive Hook-up	
1+186.760, Rt.	29th Street	20.178	150	Drive Hook-up	
1+353.269, Lt.	29th Street	9.544	150	Drive Hook-up	
1+509.168, Rt.	29th Street	78.226	150	Drive Hook-up	
1+502.27 to 1+790.63	29th Street	939.676	150	Gravel Drive	
TOTALS		1,081.574	150		

SLOPE PROTECTION (RIPRAP STONE)				
STATION (BASELINE)	ROADWAY	SIDE	HEAVY STONE RIP RAP (1/4 TON) (sq. m)	REMARKS
1+621.308	29th Street	22.9m Rt.	20.4	Exit of RCBC
1+627.826	29th Street	18.0m Lt.	16.1	Entrance of RCBC
TOTALS			36.5	
			LIGHT STONE RIP RAP (sq. m)	
1+183.027	29th Street	14.9m Rt.	2.2	End Section of RCP
1+343.723	29th Street	15.2m Lt.	2.2	End Section of RCP
1+380.000	29th Street	15.2m Lt.	2.2	End Section of RCP
2+702.50	29th Street	10.0m Rt.	6.7	Edge of Pavement
TOTALS			13.3	

PROJECT NUMBER 472-83863		SHEET NAME Recap01		ENGINEERING DIRECTORY F:\Engl\29th North	
DESIGN TPV	DRAWN TPV	APPROVED JFB	DATE Oct. 2003	SCALE None	BAUGHMAN NO 02-02-E232

CAPITAL IMPROVEMENT PROJECT
RECAPITULATION OF QUANTITIES

