

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472 84614	:	223	534

BRIDGE APPROACH SLAB FOOTING		
BRIDGE LOCATION	LOCATION	CU. YDS.
<i>Mainline</i>		
Spring Branch Trib #4	West Approach Slab	80.7
	East Approach Slab	80.6
CD Road over Spring Branch Trib #4	West Approach Slab	31.1
	East Approach Slab	31.8
143rd Street	West Approach Slab	85.9
	East Approach Slab	85.9
Fourmile Creek	West Approach Slab	76.5
	East Approach Slab	76.5
159th Street	West Approach Slab	74.1
	East Approach Slab	74.1
<i>South Frontage Road</i>		
KTA	West Approach Slab	26.2
	East Approach Slab	26.2
Spring Branch Trib. #4	West Approach Slab	25.3
	East Approach Slab	25.3
Fourmile Creek	West Approach Slab	25.6
	East Approach Slab	25.6
Brookhaven Creek	West Approach Slab	39.0
	East Approach Slab	39.0
<i>North Frontage Road</i>		
Fourmile Creek	West Approach Slab	18.2
	East Approach Slab	18.2
Brookhaven Creek	West Approach Slab	17.6
	East Approach Slab	17.6
<i>143rd Street</i>		
SB 143rd Street over Spring Branch Trib #4	North Approach Slab	22.7
	South Approach Slab	22.7
NB 143rd Street over Spring Branch Trib #4	North Approach Slab	37.7
	South Approach Slab	23.6
		1,107.7

EARTHWORK														
BALANCE	STATION to STATION		EXCAVATION				COMP.		**EMBANKMENT		PLACE SELECT SOIL	***WASTE		
			COMMON		ROCK * (EX. PVMT.)		CONTRACTOR FURNISHED		TYPE AA MR-0-5	INITIAL CONSOL.		SETTLEMENT	CU. YDS.	VMF
			CU. YDS.	VMF	CU. YDS.	VMF	CU. YDS.	VMF	CU. YDS.	CU. YDS.		CU. YDS.		
<i>Mainline</i>														
	631+00.00	704+17.26	22,822	0.87	17,537	1.0	289,566	0.87	277,913					
<i>Mainline - CD Road</i>														
	631+00.00	668+81.16	12,119	0.87	244	1.0	36,340	0.87	42,159					
<i>North Frontage Road</i>														
	2668+77.47	2704+00.00	21,834	0.87	0	1.0	49,418	0.87	61,989					
<i>South Frontage Road</i>														
	1616+35.00	1707+00.00	28,908	0.87	1,880	1.0	19,980	0.87	43,657					
<i>Zelta</i>														
	42+85.59	51+62.96	1,302	0.87	0	1.0	0	0.87	9					
<i>143rd Street</i>														
	39+50.00	47+81.08	13,854	0.87	525	1.0	0	0.87	3,750	1,400				
	51+76.53	61+00.00	885	0.87	583	1.0	1,333	0.87	10,233	606				
<i>Ramp P</i>														
	10640+09.95	10645+65.00	2,937	0.87	321	1.0	0	0.87	11					
<i>Ramp O</i>														
	20631+46.95	20649+28.67	26,948	0.87	861	1.0	35,714	0.87	54,516					
<i>Ramp R</i>														
	10642+54.80	10656+68.06	4,168	0.87	818	1.0	0	0.87	2,084					
<i>Ramp S</i>														
	10646+16.49	10658+50.81	3,441	0.87	0	1.0	0	0.87	1,406					
<i>Spring Branch Tributary #4</i>														
	47+51.24	52+63.69	1,944	0.87	0	1.0	0	0.87	1,230					
	BALANCE 1 TOTALS		141,162		22,769		432,351		498,957	2,006				
<i>Mainline</i>														
	704+17.26	752+20.00	1,733	0.87	14,749	1.0	168,596	0.87	158,403					
<i>North Frontage Road</i>														
	2704+00.00	2757+79.96	16,355	0.87	11	1.0	62,883	0.87	68,937					
<i>South Frontage Road</i>														
	1707+00.00	1755+37.28	5,294	0.87	36	1.0	61,554	0.87	58,158					
<i>159th Street</i>														
	40+55.23	48+01.39	1,647	0.87	636	1.0	1,007	0.87	2,309	1,337				
	51+75.99	62+00.00	1,221	0.87	645	1.0	4,994	0.87	5,407	820				
<i>Fourmile Creek</i>														
	47+02.30	52+81.42	6,221	0.87	0	1.0	0	0.87	724					
<i>Brookhaven Creek</i>														
	48+03.62	52+13.60	1,687	0.87	0	1.0	0	0.87	628					
	BALANCE 2 TOTALS		34,158		16,077		299,034		294,566	2,157				
	GRAND TOTALS		175,320		38,846		731,385		793,523	4,163				

1,292 Cu. Yds. Hauled from Zelta Rd. to South Frontage Rd. Sta. 1616+35 - 1707+00
9,544 Cu. Yds. Hauled from 143rd Street Sta. 39+50 - 47+68.74 to 143rd Street Sta. 52+11.71 - 61+00
2,924 Cu. Yds. Hauled from Ramp P to Mainline Sta. 631+00 - 704+17.26
1,773 Cu. Yds. Hauled from Ramp R to Mainline Sta. 631+00 - 704+17.26
1,825 Cu. Yds. Hauled from Ramp S to Mainline Sta. 631+00 - 704+17.26
530 Cu. Yds. Hauled from Spring Branch Tributary #4 to Mainline Sta. 631+00 - 704+17.26
5,389 Cu. Yds. Hauled from Fourmile Creek to Mainline Sta. 704+17.26 - 737+00
6,354 Cu. Yds. Hauled from Brookhaven Creek to Mainline Sta. 704+17.26 - 737+00

* All Existing Pavement to be Wasted and shall be paid for as the Bid Item "Pavement Removal" measured in square yards.
** Subsidiary (see General Notes).
*** Does not include pavement to be wasted.

NOTE:
All Volume Multiplication Factors and Compaction Types are assumed pending Final Pavement Recommendation.

RECAPITULATION OF ROAD QUANTITIES		
ITEM	QUANTITY	UNIT
<i>LUMP SUM BID ITEMS - PAVING</i>		
Site Clearing & Restoration	1	Lump Sum
Mobilization	1	Lump Sum
Mobilization (DBE)	1	Lump Sum
Field Office and Laboratory (Type A)	1	Each
Foundation Stabilization	294	Cu. Yds.
Foundation Stabilization (Set Price)	1	Cu. Yds.
Granular Backfill (Wingwalls)(Set Price)	1	Cu. Yds.
Concrete for Seal Course (Set)	1	Cu. Yds.
Common Excavation	175,320	Cu. Yds.
Common Excavation (Contractor Furnished)	731,385	Cu. Yds.
Select Soil	4,163	Cu. Yds.
Pavement Removal	129,583	Sq. Yds.
Class III Excavation	448	Cu. Yds.
Removal of Existing Structures	1	Lump Sum
Compaction of Earthwork (Type AA) (MR-0-5)	793,523	Cu. Yds.
Water (Grading)(Set Price)	1	M. Gal.
Concrete (Gr. 4.0)(RCB)	886.0	Cu. Yds.
Reinforcing Steel (Gr. 60)	150,620	Lbs.
Cement Treated Base (4")	202,613	Sq. Yds.
10" Geogrid Reinforced Base	128,102	Sq. Yds.
Concrete Pavement (10" Uniform) (AE) (NRDJ)	256,635	Sq. Yds.
Concrete Pavement (10" Variable) (AE) (NRDJ)	34,981	Sq. Yds.
Concrete Pavement (VG) 8" (Reinf)	157	Sq. Yds.
Concrete Pavement (VG) 10" (Reinf)	1,896	Sq. Yds.
Concrete Pavement (12" Uniform) (AE) (Bridge Approach)	8,521	Sq. Yds.
Colored Stamped Concrete (6" Uniform) (PL)	99	Sq. Yds.
Concrete (4") (PL)	1,603	Sq. Yds.
Bridge Approach Slab Footing	1,107.7	Cu. Yds.
Quality Control Testing (PCCP)	302,190	Sq. Yds.
Concrete Core (Set Price)	1	Each
Concrete Pavement Smoothness	1	Lump Sum
Pavement Edge Wedge (Rock)	1,962	Ton
Water for Earthwork Compaction (Set Price)	1	M. Gal.
Manipulation for Treated Subgrade (Lime)	151,423	Sq. Yds.
Manipulation for Treated Subgrade (Fly Ash)	50,258	Sq. Yds.
Lime	1,874	Ton
Fly Ash	1,866	Ton
Water (Treated Subgrade)	3,592	M. Gal.
AC Pavement 7" (5" Bit. Base)	301	Sq. Yds.
Brick Pavers(Concrete), Crosswalk	699	Sq. Yds.
Brick Pavers(Concrete), Median	2,337	Sq. Yds.
Wheelchair Ramp w/ Detectable Warning Panels	50	Each
Concrete Safety Barrier (Type I)	52	Lin. Ft.
Concrete Safety Barrier (Type II) (Spec.)	22,667	Lin. Ft.
Concrete Safety Barrier (Type II) (Spec.)(54")	340	Lin. Ft.
Concrete Safety Barrier (Type IV) (Spec.)	10,092	Lin. Ft.
Curb and Gutter, Combined (AE) (Type I)	44,642	Lin. Ft.
Curb and Gutter, Combined (AE) (Type II)	428	Lin. Ft.
Curb and Gutter, Combined (AE) (Type III)	6,920	Lin. Ft.
Curb and Gutter, Combined (AE) (Type III) (Spec.)	732	Lin. Ft.
Concrete Ramp Nose Section (Median)	5	Each
Guardrail, Steel Plate	293.75	Lin. Ft.
Guardrail End Terminal (SRT) Alt. #1	1	Each
Guardrail End Terminal (FLEAT) Alt. #2	1	Each
Guardrail, Removal of Steel Plate	3,292.50	Lin. Ft.
Impact Attenuator (Severe Duty) (Narrow Hazard)	10	Each
Impact Attenuator (Severe Duty) (Wide Hazard)	1	Each
Fence	4,904.1	Lin. Ft.

RECAPITULATION OF BRIDGE QUANTITIES		
BRIDGE NUMBER	STATION	SEE SHEET NO.
<i>Mainline</i>		
XX	659+92.77, 74' Lt.	183, 188 -189
XX	660+15.51	183 -185
XX	680+11.13	190 -192
XX	720+31	193 -195
XX	732+84.76	200, 205-208
<i>South Frontage Road</i>		
XX	1621+80.88	180-182
XX	1663+65.18	183, 186 -187
XX	1723+11.09	193, 196 -197
XX	1731+61.18	200-202
<i>North Frontage Road</i>		
XX	2720+61.23	193, 198 -199
XX	2728+50.19	200, 203-204
<i>143rd Street</i>		
XX	56+50.56, 5' Rt.	209-210
XX	56+50.56, 21' Lt.	209, 212-213

MEASURED QUANTITY BID ITEMS - PAVING		
Retaining Wall (MSE)	133,376	Sq. Ft.
Retaining Wall (Soil Nail)	4,085	Sq. Ft.
Retaining Wall (T-Type) (30" and Taller)	1,050	Lin. Ft.
Concrete Masonary Coating	114,662	Sq. Ft.
Concrete Driveway (6')	4,922	Sq. Ft.
Concrete Driveway (8')	5,952	Sq. Ft.
Concrete Sidewalk (4')	145,054	Sq. Ft.
Temporary Pavement (10')	24,427	Sq. Yds.

For SWS Quantities, See Sheet No. 130
For Sanitary Sewer Quantities, See Sheet No. 139
For Water Line Quantities, See Sheet No. 162

CITY OF WICHITA

SUMMARY OF QUANTITIES