

BAR	DIMENSIONS												NO. REQ'D	TOTAL WT.
	g	b	c	d	e	f	g	b	j	k	m	q		
EA080906	9'-6"												16	406
EA081800	18'-0"												16	769
EA082303	23'-3"												52	3228
EA080708	7'-8"												24	491
EA082610	26'-10"												24	1719
EA082806	28'-6"												36	2739
EA083903	39'-3"												128	13414
EB081009	8'-3"	2'-6"											40	1148
EB090808	7'-5"	1'-3"											34	1002
EB090902	7'-5"	1'-9"											542	16893
EB091002	7'-5"	2'-9"											220	7605
EC070700	1'-5"	5'-0"				1'-5"	2'-0"						04	57
ED040606	2'-3"	2'-0"	2'-3"										176	764
ED070906	1'-9"	6'-0"	1'-9"										420	8156
ED090606	1'-9"	3'-0"	1'-9"										12	265
ED090702	1'-9"	3'-8"	1'-9"										24	585
ED090706	1'-9"	4'-0"	1'-9"										14	452
ED091208	4'-6"	3'-5"	4'-6"										34	1464
EK040708	1'-7 1/2"	1'-5 1/2"	1'-5"	1'-7 1/2"									216	1106
EK041010	2'-0"	1'-10"	1'-10"	2'-6"									215	1556
TOTAL = 63041														

BAR	DIMENSIONS												NO. REQ'D	TOTAL WT.
	g	b	c	d	e	f	g	b	j	k	m	q		
EA080706	7'-6"												24	481
EA081600	16'-0"												24	1025
EA082609	26'-9"												13	928
EA082610	26'-10"												40	2866
EA082706	27'-6"												39	2864
ED091003	4'-6"	1'-3"	4'-6"										35	1220
ED091100	4'-6"	2'-0"	4'-6"										279	10435
ED091206	4'-6"	3'-6"	4'-6"										110	4675
EC040300	0"	2'-6"	0'-4 1/2"	0'-4 1/2"	0'-6"	0"	0"						4	8
EU060409	2'-0"	1'-6"	1'-9"	1'-6"	1'-0"								6	43
EB081006	1'-6"	10'-0"											3	84
TOTAL = 24628														

BRIDGE RAILING	BAR	DIMENSIONS												NO. REQ'D	TOTAL WT.
		g	b	c	d	e	f	g	b	j	k	m	p		
	EA040203	2'-3"	6" THREADED BARS ONE END											372	559
	EA043309	33'-9"												24	541
	EA060311	3'-11"	6" THREADED BARS ONE END											24	141
	ED040309	1'-2"	1'-6"	1'-2"										24	60
	EA040311	3'-11"												12	31
														TOTAL = 1332	

BAR	DIMENSIONS												NO. REQ'D	TOTAL WT.
	a	b	c	d	e	f	g	h	i	k	m	n		
EA040311	3'-11"	6" THREADED BARS ONE END											132	345
EA040504	5'-4"												6	21
EA041406	14'-6"												6	58
EA041606	16'-6"												6	66
EA041206	12'-6"												6	66
													TOTAL = 540	

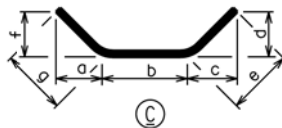
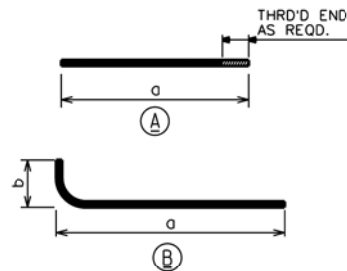
BAR	DIMENSIONS												NO. REQ'D	TOTAL WT.
	g	b	c	d	e	f	g	b	j	k	m	q		
EA040203	2'-3"												40	60
EA040402	4'-2"												20	56
EA040603	6'-3"												20	84
ED040400	1'-0"	2'-0"	1'-0"										10	28
TOTAL = 228														

BILL OF MATERIALS: ROAD ITEMS (PART 1)

ITEM NUMBER	ITEM DESCRIPTION	TOTAL PLAN QUANTITY	ITEM UNIT
1027051	AUDIO-VISUAL FILMING (SN 12446)	1	LS
2040050	PAVT. REM	486	SYD
2040055	SIDEWALK. REM	331	SYD
2050010	EMBANKMENT. CIP	248	CYD
2050016	EXCAVATION. EARTH	550	CYD
2050030	MACHINE GRADING	2	STA
3010002	SUBBASE. CIP	52	CYD
3020010	AGGREGATE BASE. 4 INCH	870	SYD
4011136	STEEL CASING PIPE. 24 INCH. TR DET G	70	FT
4030010	DR STRUCTURE COVER. TYPE B	1	EA
4030306	DR STRUCTURE. TAP. 6 INCH	3	EA
4040033	UNDERDRAIN. FDN. 6 INCH	200	FT
4040093	UNDERDRAIN OUTLET. 6 INCH	95	FT
5010005	HMA SURFACE. REM	486	SYD
5010025	HMA PATCHING	7	TON
6020166	CONC PAVT WITH INTEGRAL CURB. NONREINF. 9 INCH	853	SYD
6020200	JOINT. CONTRACTION. CP	620	FT
7067021	FLOWABLE FILL. NON-STRUCTURAL	4	CYD
8010005	DRIVEWAY. NONREINF CONC. 6 INCH	60	SYD
8020002	CURB. CONC. DET E2	90	FT
8020050	DRIVEWAY OPENING CONC. DET M	79	FT
8030044	SIDEWALK. CONC. 4 INCH	3880	SFT
8120022	BARRICADE. TYPE III. HIGH INTENSITY. LIGHTED. FURN	10	EA
8120023	BARRICADE. TYPE III. HIGH INTENSITY. LIGHTED. OPER	10	EA
8120170	MINOR TRAF DEVICES (SN 12446)	1	LS
8120350	SIGN. TYPE B. TEMP. PRISMATIC. FURN	534	SFT
8120351	SIGN. TYPE B. TEMP. PRISMATIC. OPER	480	SFT
8120352	SIGN. TYPE B. TEMP. PRISMATIC. SPECIAL. FURN	247	SFT
8120353	SIGN. TYPE B. TEMP. PRISMATIC. SPECIAL. OPER	224	SFT
8160100	SLOPE RESTORATION. TYPE A	10	SYD
8190016	CABLE. REM	97	FT
8190146	CONDUIT. SCHEDULE 40. 1 1/2 INCH	115	FT
8190152	CONDUIT. SCHEDULE 40. 5 INCH	100	FT
8190207	DB CABLE. IN CONDUIT. 600V. 1/CN4	650	FT
8190244	HM. ADJ	3	EA
8190254	HM. REM	2	EA
8190262	HM. TYPE D	4	EA
8197050	FIXTURE TYPE E1	4	EA
8230050	GATE VALVE AND BOX. 4 INCH	1	EA
8230166	WATER MAIN. DI. 12 INCH. TR DET G	172	FT
8130360	GATE WELL. 60 INCH DIA	1	EA
8230422	WATER SHUTOFF. ADJ. CASE 2	1	EA
8230431	GATE BOX. ADJ. CASE 1	1	EA
8237001	WATER MAIN. REM	40	FT

BILL OF MATERIALS: BRIDGE ITEMS (PART 2)

ITEM NUMBER	ITEM DESCRIPTION	TOTAL PLAN QUANTITY	ITEM UNIT
2040001	ASBESTOS MATERIALS. REMOVAL AND DISPOSAL	5000	DLR
2044050	PILE. TIMBER. REM	20	EA
2047051	RELOCATION AND SITE CLEANUP (SN 12446)	1	LS
2047051	STRUCTURES. REM PORTIONS. MODIFIED (SN 12446)	1	LS
2050031	NON-HAZARDOUS CONTAMINATED MATERIAL HANDLING AND DISPOSAL. LM	160	CYD
2060010	EXCAVATION. FDN	1144	CYD
2067021	BACKFILL. STRUCTURE. CIP	1186	CYD
2080020	EROSION CONTROL. INLET PROTECTION. FABRIC DROP	3	EA
2080036	EROSION CONTROL. SILT FENCE	450	FT
2090001	PROJECT CLEANUP (SN 12446)	1	LS
4067001	CULV. PRECAST THREE-SIDED DR ARCH. MODIFIED 32 FOOT BY 11 FOOT	100	FT
7040003	STEEL SHEET PILING. TEMP. LEFT IN PLACE	200	SFT
7050001	PRECAST. FDN RAILING	906	FT
7050002	PILE DRIVING EQUIPMENT. FURN (SN 12446)	1	LS
7050030	PILE. STEEL. FURN AND DRIVEN. 12 INCH	8196	FT
7050031	TEST PILE. STEEL. 12 INCH	3	EA
7050039	PILE POINT. STEEL	64	EA
7057050	PILE. STEEL. SPLICE	205	EA
7057050	TEST PILE. DYNAMIC ANALYSIS	3	EA
7057050	TEST PILE. FURN. DYNAMIC ANALYSIS EQUIP	3	EA
7057051	MONITORING VIBRATIONS (SN 12446)	1	LS
7060012	CONC. GRADE S2. SUBFOOTING	27	CYD
7060020	CONC. LOW TEMPERATURE PROTECTION	414	CYD
7060092	REINFORCEMENT. STEEL. EPOXY COATED	89690	LB
7060100	SUBSTRUCTURE CONC	384	CYD
7067011	TEXTURING CONC	127	SYD
7067021	FLOWABLE FILL	68	CYD
7087010	WINDWALL. PRECAST	650	SFT
7100001	JOINT WATERPROOFING	1085	SFT
7100011	CONC SURFACE COATING	526	SYD
7117001	AESTHETIC CONCRETE RAIL. SPECIAL	43	FT
7117001	BRIDGE RAILING. AESTHETIC PARAPET TUBE. DETAIL 2. MODIFIED	137	FT
8087010	PEDESTRIAN FENCE. SPECIAL	822	SFT
8197050	PROTECTION. FIBER OPTIC LINE. BRIDGE	16	EA
8197050	PROTECTIVE SLEEVE. FIBER OPTIC LINE	16	EA
8197050	COORDINATION. FIBER OPTIC LINE (SN 12446)	1	LS



REINFORCEMENT SHALL BE BUNDLED AND TAGGED AS TO THE LOCATION AS SHOWN ON THIS SHEET.

MISCELLANEOUS QUANTITIES	
89,690	LB REINFORCEMENT, STEEL, EPOXY COATED