Superstructure (Epoxy)

Units	Bar	Size	Quantity	Length
A (1)	B570E	5	394	3.3333
	A5 T&B	5	424	14.5000
	A5 B	5	42	45.8800
	A5 T	5	45	45.8800
	H5	5	212	7.5000
B (6)	B570E	5	0	3.3333
	A5 T&B	5	2544	14.0000
	A5 B	5	234	45.8800
	A5 T	5	252	45.8800
	H5	5	2544	7.5000
C (1)	B570E	5	0	3.3333
	A5 T&B	5	424	14.0000
	A5 B	5	30	45.8800
	A5 T	5	36	45.8800
	H5	5	212	7.5000
D (1)	B570E	5	0	3.3333
	A5 T&B	5	424	14.0000
	A5 B	5	30	45.8800
	A5 T	5	36	45.8800
	H5	5	212	7.5000
E (1)	B570E	5	394	3.3333
	A5 T&B	5	424	14.5000
	A5 B	5	42	45.8800
	A5 T	5	45	45.8800
	H5	5	212	7.5000
Median	M570E	4	23	4.5000
	A5 B	5	42	45.8800
	A5 T	5	42	45.8800
	A5 T&B	5	424	6.3333
Closure Pour Joints	A5	5	96	45.8800

Abutment No. 1 Reinforcing

Location	Bar	Size	Quantity	Length
Footing (10)	D6	6	120	7.5000
	C9	9	80	10.0000
	A8	8	80	2.0000
Column (10)	A9	9	80	19.0000
	T4	4	200	9.0000
Cap Left	D9	9	8	49.0000
	A9	9	4	46.0000
	A5	5	6	46.0000
	L4	4	138	11.5000
	H4	4	12	7.5000
	C4	4	12	11.0000
	H41	4	24	5.3330
Cap Center	D9	9	16	36.0000
	A9	9	8	68.0000
	A5	5	6	65.0000
	L4	4	194	11.5000
	H4	4	16	7.5000
	C4	4	16	11.0000
	H41	4	32	5.3330
Cap Right	D9	9	8	49.0000
	A9	9	4	46.0000
	A5	5	6	46.0000
	L4	4	138	11.5000
	H4	4	12	7.5000
	C4	4	12	11.0000
	H41	4	24	5.3330

Abutment No. 2 Reinforcing

Location	Bar	Size	Quantity	Length
Footing (10)	D6	6	120	7.5000
	C9	9	80	10.0000
	A8	8	80	2.0000
Column (10)	A9	9	80	21.0000
	T4	4	220	9.0000
Cap Left	D9	9	8	49.0000
	A9	9	4	46.0000
	A5	5	6	46.0000
	L4	4	138	11.5000
	H4	4	12	7.5000
	C4	4	12	11.0000
	H41	4	24	5.3330
Cap Center	D9	9	16	36.0000
	A9	9	8	68.0000
	A5	5	6	65.0000
	L4	4	194	11.5000
	H4	4	16	7.5000
	C4	4	16	11.0000
	H41	4	32	5.3330
Cap Right	D9	9	8	49.0000
	A9	9	4	46.0000
	A5	5	6	46.0000
	L4	4	138	11.5000
	H4	4	12	7.5000
	C4	4	12	11.0000
	H41	4	24	5.3330

End-Block Reinforcing - (PER ABUTMENT)

Location	Bar	Size	Quantity	Length
Left of Centerline (1)	A440	4	1	14.5833
	H540	5	16	2.8333
	A64-	6	10	14.7500
	H64-	6	46	8.5000
	H64-	6	4	5.0833
	H64-	6	4	8.3333
	H64-	6	4	5.4167
	L64-	6	17	10.5000
Intermediate Units (8)	A440	4	1	15.0000
	H540	5	16	2.8333
	A64-	6	10	14.7500
	H64-	6	46	8.5000
	H64-	6	4	5.2500
	H64-	6	4	8.3333
	H64-	6	4	5.3333
	L64-	6	17	10.5000
Right of Centerline (1)	A440	4	1	15.3333
	H540	5	17	2.8333
	A64-	6	10	14.7500
	H64-	6	46	8.5000
	H64-	6	4	5.2500
	H64-	6	4	8.3333
	H64-	6	4	5.3333
	L64-	6	17	10.5000

NOTE: END-BLOCK REINFORCING SHOWN FOR INFORMATION ONLY. COST OF REINFORCING INCLUDED IN THE UNIT PRICE OF CONCRETE.

NOTE: BAR LENGTHS SHOWN INCLUDE SPLICE LENGTH WHERE APPROPRIATE. FINAL BAR CUT LENGTH DETERMINED BY FABRICATOR.

CONST. NO. 19005-3161-44

PROJECT NO.	YEAR	SHEET NO.
BH-I-40-4(86)	2015	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

knlazet
Q:\2807115\b\Bridge D Charlotte\Bridge 1\807lb15dblr1.sht

2/12/2015
PRF

DESIGNED BY GRESHAM SMITH & PARTNERS DATE 2/09/2015
DRAWN BY G.YOUNG DATE 1/2015
SUPERVISED BY T. KNIAZEWYCZ DATE 1/2015
CHECKED BY T. KNIAZEWYCZ DATE 2/2015

GRESHAM SMITH AND PARTNERS

TED A. KNIAZEWYCZ
REGISTERED ENGINEER
XVI
AGRICULTURE
COMMERCE
NO. 020737
STATE OF TENNESSEE

BRIDGE NO. 5
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BILL OF STEEL

I-40
OVER
CHARLOTTE AVE.
BR. NO. 19-I0040-17.09
DAVIDSON COUNTY
2015

BR-119- 198