Superstructure

Mark		Size	Length ft	Length in					No. Bars	Wt. lb/ft	Mass	
9	541	9	54	1					16	3.4	2942.13	lbs
9	420	9	42	0					16	3.4	2284.80	lbs
9	271	9	27	1					16	3.4	1473.33	lbs
8	600	8	60	0					64	2.67	10252.80	lbs
8	470	8	47	0					16	2.67	2007.84	lbs
6	586	6	58	6					4	1.502	351.47	lbs
5	600	5	60	0					520	1.043	32541.60	lbs
5	400	5	40	0					66	1.043	2753.52	lbs
5	586	5	58	6					16	1.043	976.25	lbs
5	576	5	57	6					8	1.043	479.78	lbs
5	470	5	47	0					64	1.043	3137.34	lbs
5	070	5	07	0					96	1.043	700.90	lbs
5	050	5	05	0					24	1.043	125.16	lbs
5	040	5	04	0					216	1.043	901.15	lbs
S 8	568	8	56	8					24	2.67	3631.20	lbs
S 6	078	6	07	8					200	1.502	2303.07	lbs
S 6	071	6	07	1					600	1.502	6383.50	lbs
S 5	558	5	55	8					338	1.043	19624.39	lbs
S 5	068	5	06	8					672	1.043	4672.64	lbs
S 5	061	5	06	1					2232	1.043	14161.85	lbs
C 5	152	5	15	2					54	1.043	854.22	lbs
C 5	059	5	05	9					216	1.043	1295.41	lbs
C 5	057	5	05	7					144	1.043	838.57	lbs
2	Sets	5	573	To	5	506	4	Bars/Set	1.043		449.53	lbs
2	Sets	C 5	162	To	C 5	152	9	Bars/Set	1.043		294.13	lbs
8	Sets	C 5	069	To	C 5	059	9	Bars/Set	1.043		469.35	lbs
								Reinforcing steel			115905.93	lbs
								Class A Concrete (Modified Major)			706.00	CUYD

Top Deck

Mark		Size	Length ft	Length in	No. Bars	Wt. lb/ft	Mass	
6	600	6	60	0	304	1.502	27396.48	lbs
6	410	6	41	0	397	1.502	24448.05	lbs
6	256	6	25	6	321	1.502	12294.62	lbs
5	600	5	60	0	304	1.043	19024.32	lbs
5	410	5	41	0	76	1.043	3249.99	lbs
5	360	5	36	0	253	1.043	9499.64	lbs
5	3010	5	30	10	253	1.043	8136.27	lbs
					Reinforcing steel		104049.38	lbs
					Class A Concrete (Modified Major)		447.00	CUYD

End Diaphragm 1

Mark		Size	Length ft	Length in	No. Bars	Wt. lb/ft	Mass	
7	600	7	60	0	6	2.044	735.84	lbs
7	540	7	54	0	6	2.044	662.26	lbs
7	0611	7	06	11	6	2.044	84.83	lbs
5	5410	5	54	10	2	1.043	114.38	lbs
5	383	5	38	3	1	1.043	39.89	lbs
5	0511	5	05	11	25	1.043	154.28	lbs
5	040	5	04	0	10	1.043	41.72	lbs
5	0211	5	02	11	6	1.043	18.25	lbs
D 7	080	7	08	0	8	2.044	130.82	lbs

End Diaphragm 1 (cont.)

Mark		Size	Length ft	Length in					No. Bars	Wt. lb/ft	Mass	
D 7	076	7	07	6					24	2.044	367.92	lbs
D 5	132	5	13	2					16	1.043	219.73	lbs
D 5	130	5	13	0					54	1.043	732.19	lbs
D 5	110	5	11	0					54	1.043	619.54	lbs
D 5	386	5	38	6					8	1.043	321.24	lbs
D 5	090	5	09	0					24	1.043	225.29	lbs
D 5	082	5	08	2					24	1.043	204.43	lbs
D 5	076	5	07	6					24	1.043	187.74	lbs
D 5	066	5	06	6					54	1.043	366.09	lbs
D 5	065	5	06	5					24	1.043	160.62	lbs
D 5	032	5	03	2					70	1.043	231.20	lbs
1	Set	5	586	To	5	383	8	Bars/Set	1.043		403.64	lbs
2	Sets	5	052	To	5	035	5	Bars/Set	1.043		44.76	lbs
								Reinforcing steel			6066.65	lbs
								Class A Concrete (Modified Major)			47.00	CUYD

End Diaphragm 2

Mark		Size	Length ft	Length in					No. Bars	Wt. lb/ft	Mass	
7	600	7	60	0					6	2.044	735.84	lbs
7	540	7	54	0					6	2.044	662.26	lbs
7	0611	7	06	11					6	2.044	84.83	lbs
5	5410	5	54	10					2	1.043	114.38	lbs
5	383	5	38	3					1	1.043	39.89	lbs
5	0511	5	05	11					25	1.043	154.28	lbs
5	0400	5	04	0					10	1.043	41.72	lbs
5	0211	5	02	11					6	1.043	18.25	lbs
D 7	080	7	08	0					8	2.044	130.82	lbs
D 7	076	7	07	6					24	2.044	367.92	lbs
D 5	132	5	13	2					16	1.043	219.73	lbs
D 5	130	5	13	0					54	1.043	732.19	lbs
D 5	110	5	11	0					54	1.043	619.54	lbs
D 5	090	5	09	0					24	1.043	225.29	lbs
D 5	082	5	08	2					24	1.043	204.43	lbs
D 5	076	5	07	6					24	1.043	187.74	lbs
D 5	066	5	06	6					54	1.043	366.09	lbs
D 5	065	5	06	5					24	1.043	160.62	lbs
D 5	032	5	03	2					70	1.043	231.20	lbs
D 5	386	5	38	6					8	1.043	321.24	lbs
1	Set	5	586	To	5	383	8	Bars/Set	1.043		403.64	lbs
2	Sets	5	052	To	5	035	5	Bars/Set	1.043		44.76	lbs
								Reinforcing steel			6066.65	lbs
								Class A Concrete (Modified Major)			47.00	CUYD

Approach Slab 1

Mark		Size	Length ft	Length in	No. Bars	Wt. lb/ft	Mass	
7	238	7	23	8	128	2.044	6191.96	lbs
5	036	5	03	6	94	1.043	343.15	lbs
4	600	4	60	0	73	0.668	2925.84	lbs
4	238	4	23	8	83	0.668	1312.17	lbs
4	056	4	05	6	73	0.668	268.20	lbs
4	030	4	03	0	48	0.668	96.19	lbs
AS 5	030	5	03	0	256	1.043	801.02	lbs
AS 4	37	4	3	7	48	0.668	114.90	lbs
					Reinforcing steel		12053.43	lbs
					Class A Concrete (Modified Major)		59.11	CUYD

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REVISIONS

NO.	DATE:	DESCRIPTION	APP'D

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DESIGN SECTION

CITY ENGINEER: JORGE CERVANTES, P.E.
PROGRAM MANAGER: MARK SORENSEN, P.E.

DESIGNED BY: MA
DRAWN BY: CG
CHECKED BY: CG

HDR Engineering, Inc.

HORIZONTAL SCALE: N/A
VERTICAL SCALE: N/A
DATE: 10/2007

TITLE: TENAYA WAY OVERPASS AT SUMMERLIN PKWY H-2858

SHEET: BILL OF MATERIALS - 2

PROFESSIONAL ENGINEER MANAS ASTHANA Exp. 12-31-08 CIVIL No.016952 STATE OF NEVADA 11-2-07

Sheet B-33
76 of 96

DRAWING NO. 10774452