TABLE OF SECTION DEPTHS				
SPAN NO.	BEAM NO.	"X" AT ℄ BRG	"Y" AT ℄ BRG	③ "Z" AT ℄ SPAN
3	ALL	10½"	5'-4½"	8½"
4	ALL	11¾"	5'-5¾"	8⅝"

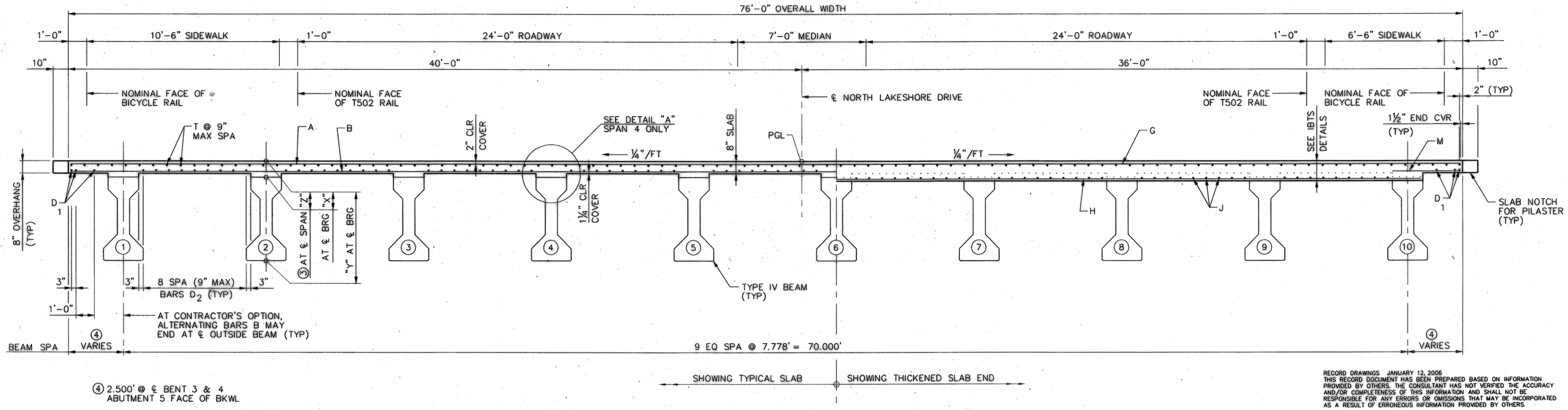
③ THEORETICAL DIMENSION

BAR TABLE	
BAR	SIZE
A	#5
B	#5
D	#5
G	#5
H	#5
J	#5
M	#5
P	#4
T	#4

TABLE OF ESTIMATED QUANTITIES				
SPAN	REINF CONCRETE SLAB 4000 PSI	① PRESTR CONCRETE BEAMS (TY IV)	CLASS "S" CONCRETE	② REINF STEEL
No.	SF	LF	CY	Lb
3	9141	1199.21	235.1	59,420
4	9141	1199.21	235.1	59,420
TOTAL	18,282	2398.42	470.2	118,840

① LENGTHS SHOWN ARE BOTTOM FLANGE LENGTHS WITH ADJUSTMENTS MADE FOR BEAM SLOPE. SEE BEAM LAYOUT FOR BEAM LENGTHS, BEAM SPACING, AND BEAM ANGLES.

② REINFORCING STEEL WEIGHT IS CALCULATED USING AN APPROXIMATE FACTOR OF 6.5 LBS/SF.



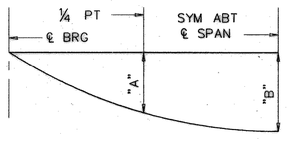
④ 2.500' @ ℄ BENT 3 & 4 ABUTMENT 5 FACE OF BKWL

RECORD DRAWINGS JANUARY 12, 2006
THIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

TYPICAL SECTION

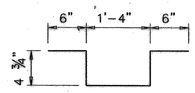
SCALE: ⅜"=1'-0"

SPAN NO.	BEAM NO.	"A"	"B"
3 & 4	ALL	0.181'	0.254'



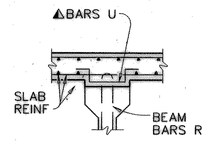
NOTE: DEFLECTIONS SHOWN ARE DUE TO CONCRETE SLAB ONLY. (E_C= 5 x 10^6 PSI) CALCULATED DEFLECTIONS SHOWN ARE THEORETICAL AND ACTUAL DIMENSIONS MAY BE LESS. DEFLECTIONS SHALL BE ADJUSTED BASED ON FIELD OBSERVATIONS.

DEAD LOAD DEFLECTION DIAGRAM



BARS U

▲ BARS U SHALL MATCH ALL BARS R IN ALL BEAMS IN SPAN 4.



DETAIL "A"

GENERAL NOTES:

DESIGNED ACCORDING TO AASHTO 2002 STANDARD AND CURRENT INTERIM SPECIFICATIONS.

CLASS "S" CONCRETE STRENGTH F'C = 4,000 PSI.

ALL REINFORCING STEEL SHALL BE GRADE 60.

SEE TXDOT IBTS STANDARD FOR THICKENED SLAB END DETAILS AND QUANTITY ADJUSTMENTS.

SEE TXDOT PCP(C) OR PMDF(C) STANDARDS FOR DETAILS AND QUANTITY ADJUSTMENTS IF EITHER OF THESE OPTIONS ARE USED.

SEE TXDOT SEALED EXPANSION JOINT STANDARD SHEET, SEJ-A, FOR ALL DETAILS AND LENGTHS.

BAR LAPS WHERE REQUIRED, SHALL BE AS FOLLOWS:

#4 = 1'-5"
#5 = 1'-9"

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHARLES E. QUADE, P.E. 69396 ON AUGUST 31, 2004

STATE OF TEXAS
CHARLES E. QUADE
69396
LICENSED
8/31/2004

SHEET 2 OF 2

NO.	DATE	REVISIONS	APPROVED

240.00' PRESTRESSED CONC. BEAM
UNIT 2

NORTH LAKESHORE DRIVE

NAPA DRIVE TO S.H. 205

HUITT-ZOLLARS
Huitt-Zollars, Inc. Dallas
3131 McKinney Avenue, Suite 600
Dallas, Texas 75204-2489
Phone (214) 871-3311 Fax (214) 871-0757

CITY OF ROCKWALL, TEXAS

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	CEQ	AS SHOWN	AUGUST 2004	01-3354-01	B-14

h:\proj\01335401\dgn\335401TBU04.DGN

BORDER, 335401GBDR1.DGN, 1-4,6,7,20-30,32,34-45,47-59,61,62
1/4 SCALE, 335401TBU04.DGN, 1-62
3 SCALE, 1987BR31.008, 1-62
3/8 SCALE, 335401TBU04.DGN, 1-62
1/2 SCALE, 335401TBU04.DGN, 1-62
3/4 SCALE, 1987BR31.008, 1-62
1 SCALE, 1987BR31.008, 1-62
1 1/2 SCALE, 1987BR31.008, 1-62
no ref logical, *no ref name*, *no ref levels*
theresa
SCALE=8.000021
PRF ROTATION=90.000000
f:\tbl\HZIFULL.TBL
h:\proj\01335401\dgn\335401TBU04.DGN
DATE: 1/10/2006
TIME: 09:37:26