STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	TE-0284-01	2007	9	47

B.M. #1 - Chiseled Square on Sidewalk
NW Cor.of Existing Bridge.
℄ Sta. 9+99.27' Lt. El. 1311.27

B.M. #2 - Standard City Brass Disk
NE wing of Existing Bridge
℄ Sta. 12+60.37' Lt. El. 1311.33

10+00 11+00 12+00 13+00

253'-2 7/8" End to End of Wearing Surface

1'-1 7/16" | 32'-0" | 35'-0" | 38'-0" | 41'-0" | 38'-0" | 35'-0" | 32'-0" | 1'-1 7/16"

E.W.S. #1 Sta. 9+98.38 El. 1310.84
℄ Abut. #1 Sta. 9+99.50 El. 1310.85
℄ Pier #1 Sta. 10+31.50 El. 1311.07
℄ Pier #2 Sta. 10+66.50 El. 1311.24
℄ Pier #3 Sta. 11+04.50 El. 1311.34
℄ Pier #4 Sta. 11+45.50 El. 1311.34
℄ Pier #5 Sta. 11+83.50 El. 1311.24
℄ Pier #6 Sta. 12+18.50 El. 1311.07
℄ Abut. #2 Sta. 12+50.50 El. 1310.85
E.W.S. #2 Sta. 12+51.62 El. 1310.84

1320 1310 1300 1290 1280 1270

Existing Profile
Proposed Profile
Class I Excavation
Class II Excavation
Berm El. 1302.26
Excavation Boundary Plane El. = 1300.40
Ordinary High Water El. 1298.90
Existing Ground
Berm El. 1299.41

ELEVATION

32'-35'-38'-41'-38'-35'-32'
Continuous Prestressed Concrete Beam Spans
43'-4" Roadway, 6'-0" Sidewalk Lt. & Rt., 0° Skew

SCALE
15' 0 15' 30'

P.I. Sta. 9+82.75 El. 1310.72
+0.80% -0.80%
P.I. Sta. 12+67.75 El. 1310.71
-3.45% -.35%
Bridge
Match Existing P.C.C. Sta. 9+65.50 El. 1310.12
P.C.C. Sta. 10+00 El. 1310.85
P.I. Sta. 11+25 El. 1311.85
P.C.C. Sta. 12+50 El. 1310.85
P.T. Sta. 12+85.50 El. 1310.47
Match Existing
34.5' V.C.
250' V.C. SSD=800'
35.5' V.C.

PROPOSED PROFILE

(The proposed profile closely approximates existing profile)

Note:
Approach slab reinforcing tie bars shall be protected by the Contractor throughout construction. Tie bars inadequately protected and subsequently damaged will be replaced with similar bars drilled and grouted into place and installed at the Contractor's expense.

Remove existing retaining concrete at ends of Abutment Wingwalls NW & SW.

Note:
Dimensions are obtained from existing plans. Actual dimensions may vary. Adjust span lengths and other items as necessary to match existing conditions. Get Engineer's approval before implementing these changes.

APPROACH SLAB THERMAL MOVEMENT: Type C Expansion Joint only: (See "Expansion Joint Details", Sheet No. 5). The thermal movement at the abutment is ± 1/2 inches. "W" = 2"; See table below for adjusted "W" values. "W" is the formed gap. The temperatures in the table below are the average ambient temperature over the last 24 hours (See Sheets #2 & #3).

THERMAL MOVEMENT OF APPROACH SLAB							
Temp., (F°)	30°	40°	50°	60°	70°	80°	90°
"W". (in.)	2 1/4	2 1/8	2 1/8	2	1 7/8	1 7/8	1 3/4

Little Arkansas River

MSE Wall and Handrail
Abut. #1 Sta. 9+99.50
Pier #1 Sta. 10+31.50
Pier #2 Sta. 10+66.50
Pier #3 Sta. 11+04.50
Pier #4 Sta. 11+45.50
Pier #5 Sta. 11+83.50
Pier #6 Sta. 12+18.50
Abut. #2 Sta. 12+50.50
Const. Limits
6'-0" Sidewalk
Protect Telephone Lines during construction
MSE Wall and Handrail
Relocate Power Pole by Owner
Storm Sewer
Exist. R/W
Remove and Replace Bollards
Sta.9+65.5 Match Existing
2" Exp. Jt.
CAUTION!!! Overhead electric line. Relocate by Owner
Remove existing handrail
47'-6" Bk-Bk Curb (Existing)
40' Face-Face Curb (Existing)
20' (Existing)
29'-9"
59'-6"
2" Concrete Curb & Gutter
21'-8"
43'-4" Face-Face Curb (Proposed)
℄ Proposed Improvement
10+00 11+00 12+00 13+00
℄ 13th Street North
30'-0"
49'-0" Bk-Bk Curb (Existing)
9'-8 9/16" 10' 13' 13' 10' 10'-8 3/4"
Exist. R/W
Construct Sidewalk (6")(AE) (Typ. all 4 corners). Paid for as "Sidewalk Construction (6")(AE)".
Brick Paving
Preserve Trees (Typical)
MSE Wall and Handrail
CAUTION!!! Gas Line to be replaced during construction.
Repair any pavement destroyed in the construction of the approach slab and bridge approach slab footing (Typ.)
Slope Protection (Shot Rock) (Typ. in front of Retaining Wall)
Existing handrail to be replaced by owner
Existing Ret. Wall (Repair)
Sta.12+85.5 Match Existing
Remove handrail on cantilevered sidewalk and replace after sidewalk reconstruction
Remove fallen trees

PLAN

UTILITY OWNERS

TELEPHONE: (Suspended under N. Sidewalk
Southwestern Bell Telephone Co.
Contact: Jim Toben
154 N. Broadway, Room 460
Wichita, KS. 67202
Ph. 316-268-2759
Ph. 1-800-344-7233

GAS: (10" Gas Line Suspended under S. Sidewalk)
Aquila
Contact: Calvin Briggs
1611 Hoover Road
Wichita, KS. 67209
Ph. 316-941-1608
Emergency: 1-800-527-0357

ELECTRIC:
Westar Energy
Contact: Shane Price
1900 East Central
Wichita, KS. 67201
Ph. 316-261-6315

CABLE:
Cox Communications
Contact: Pat Ortiz
701 East Douglas
Wichita, KS 67202
Ph. 316-262-4270

CITY OF WICHITA
JAMES ARMOUR, P.E., CITY ENGINEER

13TH STREET BRIDGE OVER
LITTLE ARKANSAS RIVER

CONSTRUCTION LAYOUT

PARSONS BRINCKERHOFF
Wichita, Kansas

SCALE —— DATE 11/8/2007 DWG. NO. 35750A

K:\35750A\CADD\SHEETS\BRIDGE\13THCL.dgn
RG | APP. | BS | CKD. | TR. | GB | DR. | AH | DES. | CADD | PLOT | JG, CP | SURV.