FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87U-1247-01	1992	26	79

B.M.#3–City Standard Disc NE Cor. Bridge 16' Rt., Sta.24+30 El.1304.44

B.M.#4–"M" in Mueller on Fire Hydrant 35.4'Lt., Sta.31+23 El.1305.12

Sta.24+00 Sta.25+00 Sta.26+00 Sta.27+00

193'–8" End to End of Wearing Surface

1'–10" | 60'–0" | 70'–0" | 60'–0" | 1'–10"

E.W.S. Sta.24+78.17 Cr.Gr. 1303.50

℄ Abutment #1 Sta.24+80.00 Cr.Gr. 1303.50

Sta.25+22 D.H.W. Clr.=5.2'

℄ Pier #1 Sta.25+40.00 Cr.Gr. 1303.50

℄ Pier #2 Sta.26+10.00 Cr.Gr. 1303.50

℄ Abutment #2 Sta.26+70.00 Cr.Gr. 1303.50

E.W.S. Sta.26+71.83 Cr.Gr. 1303.50

D.H.W.El. 1293.4 (Q100)

Top of Gr. 1302.2

Top of Gr. 1302.7

Proposed Profile Grade

Existing Profile

Fill: Sandy, Silty Lean Clay

Fill: Fat Clay

Lean to Fat Clay

Silt

Lean Clay, Trace Sand

Clayey Medium to Coarse Sand

Lean to Fat Clay

Fill: Sandy Lean to Fat Clay, Trace Gravel

Silty Lean Clay

Lean to Fat Clay

Lean Clay, Trace Sand

Fat Clay, Trace Sand

Highly Weathered Shale

El. 1301.8
El. 1298.8
El. 1295.3
El. 1284.8
El. 1279.8
El. 1278.3
El. 1265.3
El. 1249.8
Bot. of Boring

El. 1292.7
El. 1287.7
El. 1280.7
El. 1277.7
El. 1270.7
El. 1250.3
Bot. of Boring

2.5:1

Berm El. 1298.5

El. 1284.0

Exc. Bndry. Plane El. 1281.5

Cl. I

Cl. II

W.S. El. 1280.0

Silt
El. 1292.7
Lean to Fat Clay
El. 1284.0
El. 1282.2
Fat Clay
El. 1274.2
Lean to Fat Clay
El. 1265.2
Highly Weathered Shale
El. 1250.0
Bot. of Boring

Berm El. 1296.5

* 9–50' Pilings (Vert.)
1–55' Piling (Vert.) (Test)

Design Channel Bottom El.1279.0

ELEVATION

60'–70'–60' Continuous Prestressed Concrete Girder Spans, Pile Bent Type Abutments and, Drilled Shaft Type Piers. 48'–0" Roadway, 35°Skew Rt. 2–6' Walkways.

* For bidding purposes only ; actual length in field may vary depending on test pile driving results.

All piles shall be Steel HP10x42.

+0.50% | 0.00% | −0.50%

P.V.I. Sta. 24+78 El.1303.50

P.V.I. Sta. 26+72 El.1303.50

BRIDGE PROFILE

SCALE 15' 0 15' 30'

℄ Abutment #1 Sta.24+80.00

℄ Pier #1 Sta.25+40.00

℄ Pier #2 Sta.26+10.00

℄ Abutment #2 Sta.26+70.00

60'–0" | 70'–0" | 60'–0"

CREEK

GYPSUM

℄ Channel

Survey ℄

℄ Project

Existing Structure

Test Pile

5'–0" Berm

Test Hole Sta. 24+78

Approx. Sta. 26+08

Heavy Timber

Exist.R/W 50'℄

Sta.25+75 ℄ Project = Sta.24+98.30 ℄ Channel

50'℄

6'–0" Walkway

48'–0" Roxy

24'–0"

2.5:1

1:1

4:1

35°

Exist.R/W 50'℄

℄ George Washington Blvd. = ℄ Project

Test Pile

5'–0" Berm

Approx. Sta. 26+08

Test Hole

Heavy Timber

24"R.C.P. Stub

30"R.C.P.

Exist. 30"R.C.P.

Exist. 30"R.C.P.

M.H.

PLAN

HYDRAULIC DATA:

* DRAINAGE AREA	= 18.0 SQ. MI.
* DESIGN DISCHARGE (100 YR)	= 8,700 CFS
WATERWAY REQ'D BELOW DHW	= 1,197 SQ. FT.
WATERWAY PROV'D BELOW DHW	= 1,197 SQ. FT.
TOTAL WATERWAY PROV'D	= 1,800 SQ. FT.

* SOURCE: FEMA
SEE "HYDRAULIC REPORT" FOR THIS PROJECT.

See Sheet 25 For Rock Embankment Detail.
See Sheet 24 For Notes.
See Sheet 28&29 For Approach Slab Details.

RAJA GOVINDASWAMY LICENSED 9300 KANSAS PROFESSIONAL ENGINEER

SURV. J.G./M.C. | PLOT CADD | DES. T.P./A.H. | DR. G.B./M.C. | TR. — | CKD. R.G. | APP. S.K.B.

K9331\CON SCALE: 1"=15'

CITY OF WICHITA

GEORGE WASHINGTON BLVD. BRIDGE OVER GYPSUM CREEK

CONSTRUCTION LAYOUT

CITY OF WICHITA PROJ. NO. 472-82156

Booker ASSOCIATES INC. OF KANSAS
Wichita Kansas

SCALE —— | DATE June, 1992 | DWG. NO. K9331