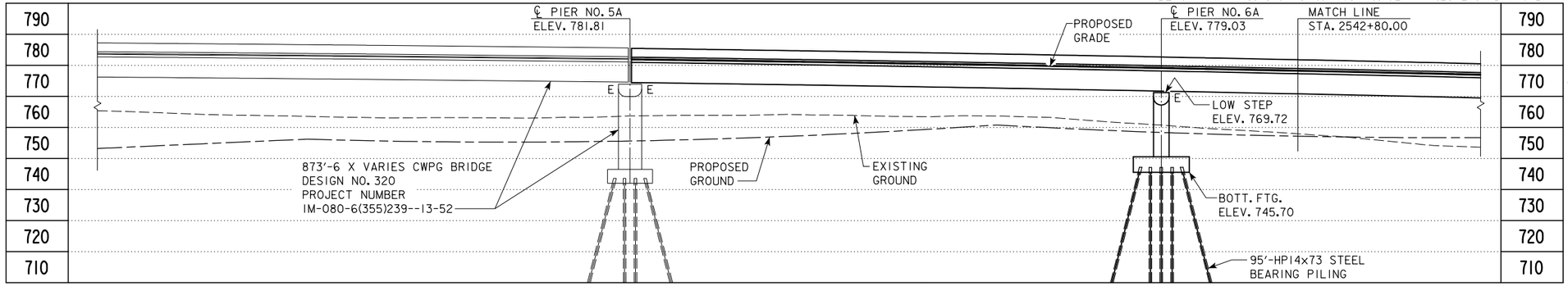
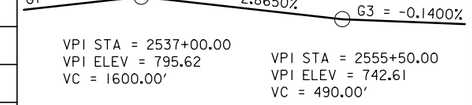
BENCH MARK No. 519 Sta.11165+48.102 77.23 Lt. FD\IHC-BM-NW-WING-S-BOUND I-380 BRIDGE OVER I-80-------- 737.910



LONGITUDINAL SECTION ALONG ℄ RAMP B



PROPOSED PROFILE GRADE RAMP B

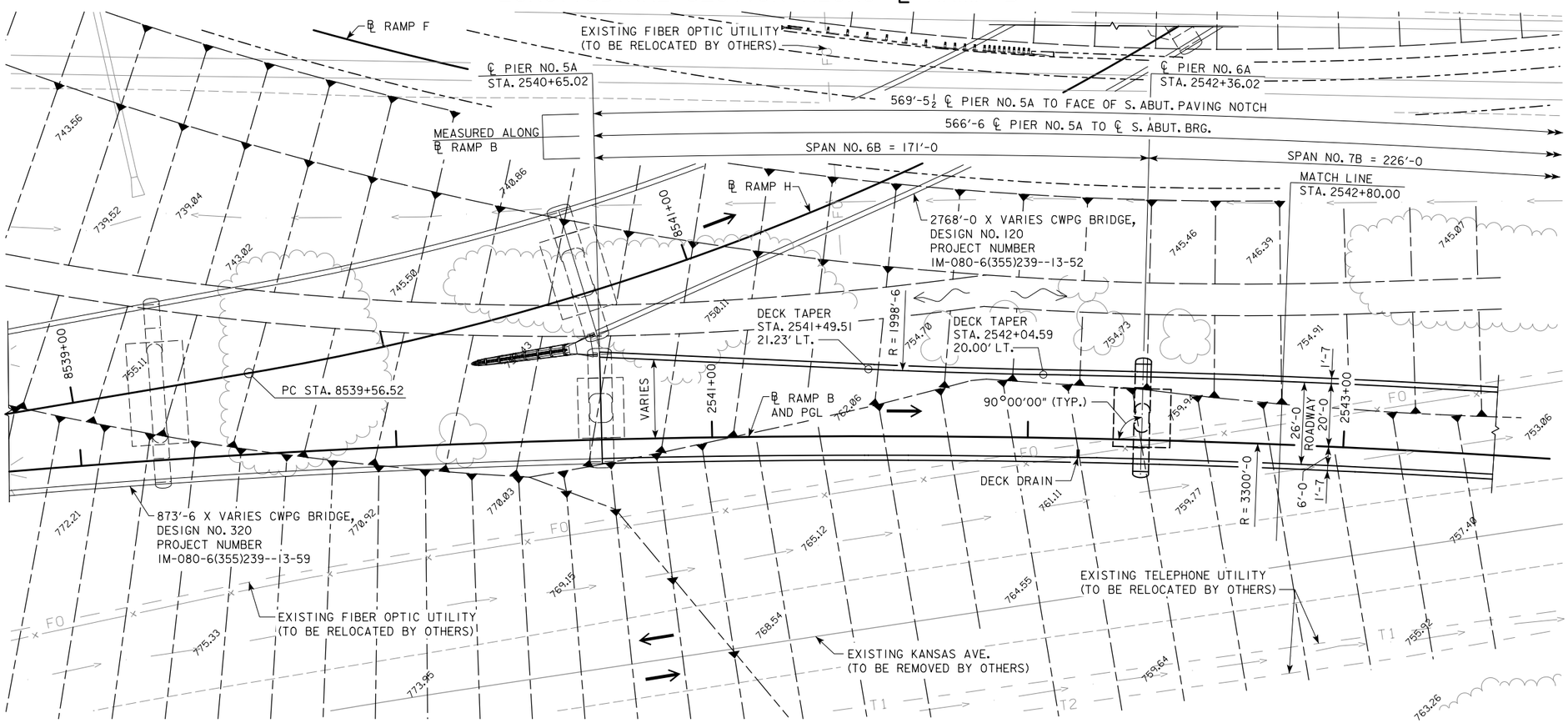
CURVE DATA

RAMP B
PI STA. 2549+45.93
Δ = 41° 10' 12.77" (RT)
T = 1,239.41'
L = 2,371.23'
E = 225.07'
R = 3,300.00'
PC STA. 2537+06.52
PT STA. 2560+77.75

TRAFFIC ESTIMATE

RAMP B

2020	AADT	3,530	V.P.D.
2040	AADT	5,080	V.P.D.
TRUCKS		14	%



SITUATION PLAN

LOCATION

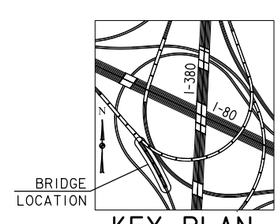
I-80 / I-380 SYSTEM INTERCHANGE
EB-SB CONNECTOR (RAMP B)
T-80N R-7W
SECTION 34
CLEAR CREEK TOWNSHIP
JOHNSON COUNTY
FHWA NO. 700725
LATITUDE 41.692075°
LONGITUDE -91.639314°

NOTES:
ALL UNITS ARE IN FEET UNLESS NOTED OTHERWISE.
FOR SUPERELEVATION INFORMATION AND ADDITIONAL DECK GEOMETRY CONTROL, SEE DESIGN SHEET 21.
FOR DECK DRAIN LOCATION, SEE DESIGN SHEET 7.

LOW STEP ELEVATIONS DEPEND ON FINAL BEARING HEIGHTS. FINAL BEARING HEIGHTS AND PEDESTAL ELEVATIONS SHALL BE DETERMINED BY BEARING MANUFACTURER AND CONTRACTOR.

UTILITIES LEGEND:

FO - FIBER OPTIC - STATE OF IOWA (ICN)
EI - ELECTRIC - LINN CO. REC
TI - TELEPHONE - IOWA TELCOM
T2 - TELEPHONE - SOUTH SLOPE COOP. TEL. CO.



KEY PLAN

DESIGN FOR 0° SKEW ON 3,300' RADIUS CURVE

566'-6 X VARIES CONTINUOUS WELDED GIRDER BRIDGE

171'-0, 226'-0, 169'-6 SPANS

SITUATION PLAN

STA. 2543+48.27 (℄ RAMP B) APRIL 2018

JOHNSON COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. 8 OF 31 FILE NO. 30864 DESIGN NO. 420

DESIGN TEAM HDR | JOHNSON COUNTY | PROJECT NUMBER IM-080-6(355)239--13-52 | SHEET NUMBER 250