

The diagram illustrates the proposed bridge structure with the following details:

- Vertical Axis (Elevation):** Ranges from 450 to 520 feet.
- Horizontal Axis (Stationing):** Ranges from 277+50 to 279+00.
- Bridge Length:** TOTAL LENGTH OF BRIDGES = 106'-4 1/4" ALONG F.G.L.
- Begin Bridge:** STA. 277+54.99, F.G. EL. 496.88.
- End Bridge:** STA. 278+61.46, F.G. EL. 494.96.
- Groundline:** APPROX. EXISTING GROUNDLINE is shown as a dashed line.
- Foundation:** MICROPILES (TYP.) are shown at the base of the bridge piers.
- Structure:** The bridge structure is shown as a solid line with a dashed line indicating the internal structure.
- Notes:** NOTE: FOUNDATION TYPE MAY VARY. POSSIBLE TYPES MAY INCLUDE FOOTING ON PILES/MICROPILES OR SPREAD FOOTING ON ROCK.

Diagram illustrating the cross-section of a bridge deck with the following dimensions and components:

- Overall Width:** 47'-0" OUT-TO-OUT
- Travel Lanes:** TWO 12'-0" TRAVEL LANES = 24'-0"
- Shoulders:** 6'-0" SHLD. (left), 12'-0" SHOULDER (right)
- Rail Dimensions:** 7½" RAIL (left), 7½" RAIL (right)
- Bridge Components:**
 - STD-1-1SS BRIDGE RAIL (TYP.)
 - WELDED PLATE GIRDER (30" WEB) (TYP.)
 - CLOSURE POUR (TYP.)
 - SURVEY F.G.L.
 - BRIDGE
- Other Dimensions:**
 - 8½" SLAB
 - 2'-10½" (left end)
 - 5 SPA. @ 8'-3" (spacing between girders)
 - 2'-10½" (right end)

[illegible]

DESIGNED BY	<u>BENESCH</u>	DATE	<u>04/2025</u>
DRAWN BY	<u>REBECCA WITHERSPOON, E.I.</u>	DATE	<u>04/2025</u>
SUPERVISED BY	<u>DANIEL RIKLI, P.E.</u>	DATE	<u>04/2025</u>
CHECKED BY	<u>KATIE LEWIS, P.E.</u>	DATE	<u>04/2025</u>



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE 76 CONCEPTUAL LAYOUT
INTERSTATE 65 N.B.
OVER 8TH AVE.
BRIDGE NO. 19100650311
STATION 278+09.56
DAVIDSON, COUNTY
2025

The diagram illustrates the proposed bridge structure with the following details:

- Vertical Axis (Elevation):** Ranges from 460 to 535 feet.
- Horizontal Axis (Stationing):** Ranges from 265+50.00 to 267+00.00.
- Bridge Length:** TOTAL LENGTH OF BRIDGE = 106'-7 1/8" ALONG F.G.L.
- Begin Bridge:** STA. 265+56.02, F.G. EL. 507.83.
- End Bridge:** STA. 266+66.93, F.G. EL. 511.61.
- Approx. Existing Groundline:** Indicated by a dashed line.
- Foundation:** MICROPILES (TYP.) are shown at the base of the bridge structure.
- Note:** FOUNDATION TYPE MAY VARY. POSSIBLE TYPES MAY INCLUDE FOOTING ON PILES/MICROPILES OR SPREAD FOOTING ON ROCK.

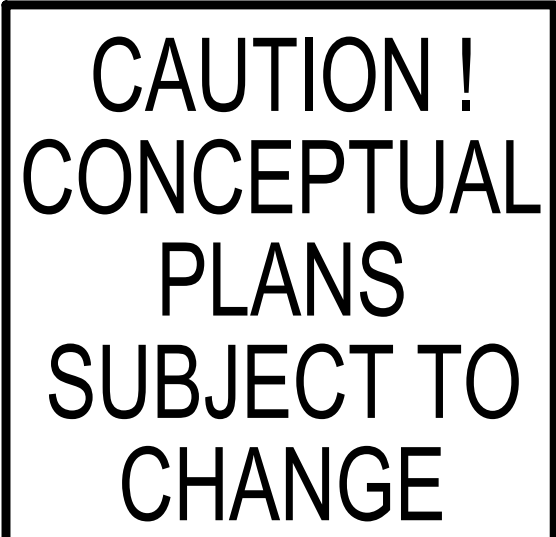
Diagram illustrating the cross-section of a bridge deck with the following dimensions and components:

- Overall Width:** 47'-0" OUT-TO-OUT
- Top Deck Components (from left to right):**
 - VARIES (Left side)
 - 7 1/2" RAIL
 - 6'-0" SHLD. (Shoulder)
 - TWO 12'-0" TRAVEL LANES = 24'-0"
 - 12'-0" SHOULDER
 - 7 1/2" RAIL
 - VARIES (Right side)
- Bottom Deck Components (from left to right):**
 - 8 1/4" SLAB
 - 0.10 FT/FT (Slope)
 - € BRIDGE (Centerline)
 - VARIES (Distance to Survey F.G.L.)
 - 12'-1" (Distance to Survey F.G.L.)
 - € SURVEY F.G.L. (Finished Ground Line)
 - STD-1-1SS BRIDGE RAIL (TYP.) (Typical Bridge Rail)
- Structural Details:**
 - CLOSURE POUR (TYP.) (Typical Closure Pour)
 - € WELDED PLATE GIRDER (30" WEB) (TYP.) (Typical Welded Plate Girder)
- Span Configuration:** 5 SPA. @ 8'-3" = 41'-3"
- End Dimensions:** 2'-10 1/2" (Left end), 2'-10 1/2" (Right end)

Plan view of the proposed bridge structure. The diagram shows a cross-section of the bridge with a central roadway and sidewalks. Key dimensions and labels include:

- ROADWAY:** 26'-0" wide.
- SDWK. (Sidewalk):** 8'-0" wide on both sides.
- RAIL:** 7 1/2" wide on both sides.
- SHLD. (Shoulder):** 12'-0" wide on both sides.
- TRAVEL LANE:** 12'-0" wide.
- SHLD. (Shoulder):** 6'-0" wide.
- OUT-TO-OUT:** 47'-0" dimension across the top.
- EXISTING BRIDGE TO BE REMOVED:** Indicated by dashed lines.
- END BRIDGE:** STA. 266+66.93.
- BEGIN BRIDGE:** STA. 265+56.02.
- CL SURVEY 8TH AVE.** and **CL SURVEY & F.G.L I-65 S.B.** are shown as dashed lines.
- STA. 266+11.70 I-65 S.B.** and **STA. 6+77.67 8TH AVE.** are marked on the survey lines.
- ANGLES:** 64°59'53" and 125°4'38" are indicated at the bridge ends.
- "A"** is a label for the survey line.

DESIGNED BY	<u>BENESCH</u>	DATE	<u>04/2025</u>
DRAWN BY	<u>REBECCA WITHERSPOON, E.I.</u>	DATE	<u>04/2025</u>
SUPERVISED BY	<u>DANIEL RIKLI, P.E.</u>	DATE	<u>04/2025</u>
CHECKED BY	<u>KATIE LEWIS, P.E.</u>	DATE	<u>04/2025</u>



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE 78 CONCEPTUAL LAYOUT
INTERSTATE 65 S.B.
OVER 8TH AVE.
BRIDGE NO. 19I00400317
STATION 266+11.70
DAVIDSON, COUNTY
2025