

TYPICAL SECTION
 (LOOKING AHEAD STATIONS)
 1 0 1 2 FEET

PRELIMINARY
NOT FOR CONSTRUCTION

DESIGN SPECIFICATIONS

- AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017, AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4, DECEMBER 2019 EDITION (INCLUDING REVISIONS).
- LIVE LOAD DISTRIBUTION TO BEAMS IS BASED ON DM-4 DISTRIBUTION FACTOR METHOD.
- DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.
- THE 42" VERTICAL WALL CONCRETE BARRIER IS DESIGNATED AS MASH TL-4 WHEN AN OVERLAY IS PLACED ON THE STRUCTURE AND REDUCES THE HEIGHT OF THE BARRIER BELOW 42".

DESIGN LIVE LOADS

- PHL-93, P-82 AND P2016-13.
- FATIGUE DESIGN IS BASED ON THE FOLLOWING:
ADTT 164 (2044) (ONE-DIRECTIONAL)
- MAXIMUM ALLOWABLE STRESS IN PRECOMPRESSED TENSILE ZONE:
0.0948v(f'c)

DEAD LOADS

- INCLUDES SURFACE AREA DENSITY OF 0.040 KSF FOR FUTURE WEARING SURFACE ON THE DECK SLAB.
- INCLUDES SURFACE AREA DENSITY OF 0.015 KSF FOR PERMANENT METAL DECK FORMS THAT TAKES INTO ACCOUNT THE WEIGHT OF THE FORM, PLUS THE WEIGHT OF THE CONCRETE IN THE VALLEYS OF THE FORMS.

STRUCTURE DATA

EXISTING STRUCTURE	PROPOSED STRUCTURE
STATION: 425+18.01	STATION: 425+18.01
TYPE: CONCRETE TEE BEAM	TYPE: SPREAD BOX BEAM
NORMAL CLEAR SPAN: 28'-0"	NORMAL CLEAR SPAN: 46'-0"
SKEW: 90°	SKEW: 90°
CURB-TO-CURB: 41'-3"	CURB-TO-CURB: 32'-0"
OUT-TO-OUT: 43'-0"	OUT-TO-OUT: 34'-0"
AVG. UNDERCLEARANCE: 5'-8"	AVG. UNDERCLEARANCE: 6'-0"

Mark	Description	By	Chk'd	Recm'd.	Date
REVISIONS					

S.R. 0062 PREVIOUSLY KNOWN AS L.R. 208
 BMS STR ID: 43006205301699 MPMS/ECMS PROJ: 88488

**COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION**

MERCER COUNTY
S.R. 0062, SEC. B08
 SEGMENT 0530, OFFSET 1699
 STA. 425+18.01
 OVER FOX RUN
1 SP SPREAD BOX BRIDGE ON INTEGRAL ABUTMENTS
TYPE, SIZE, & LOCATION PLAN

RECOMMENDED	3/1/2023	SHEET	2	OF	2
					S - 41445

PLOTTED: 20-MAR-2023 11:13

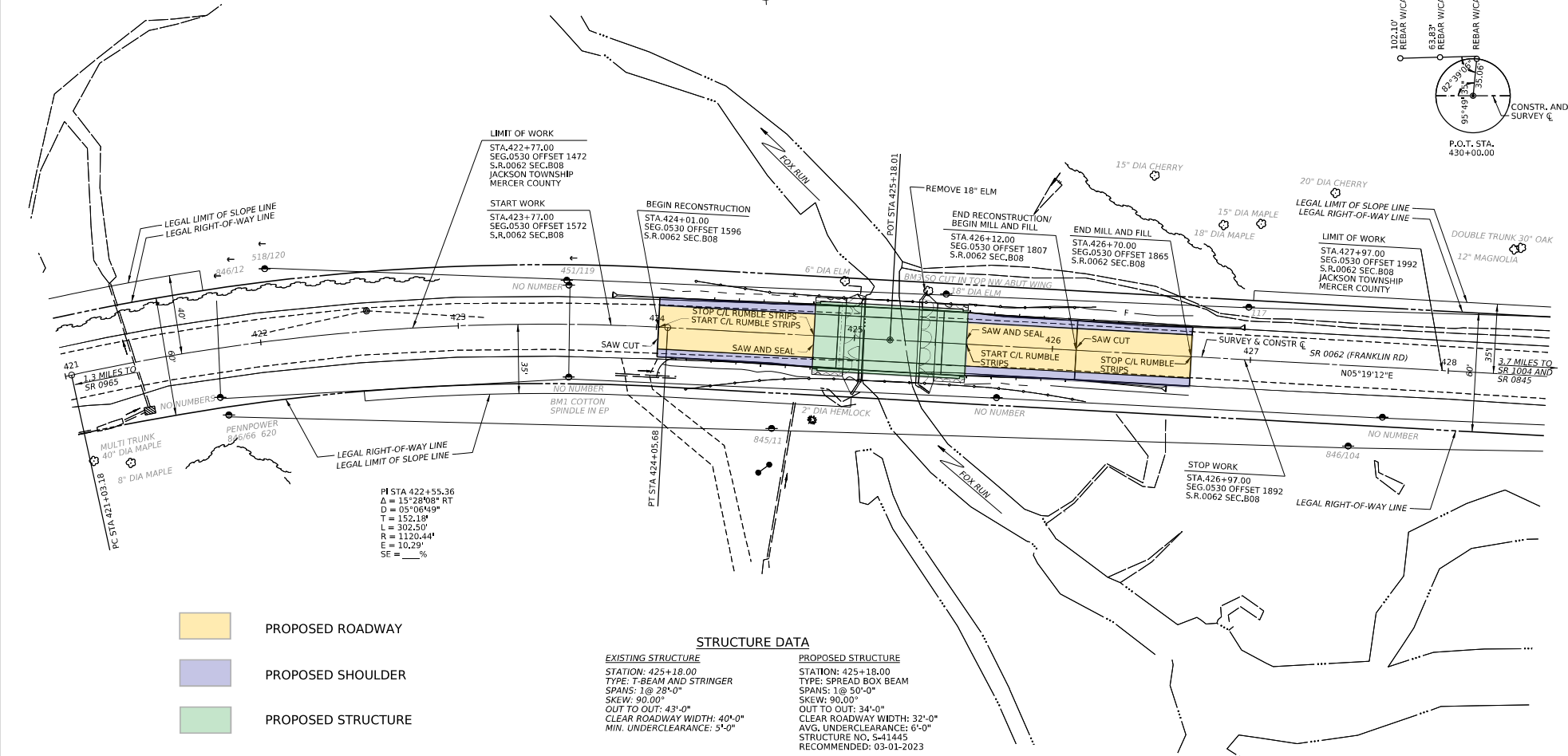
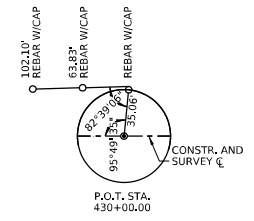
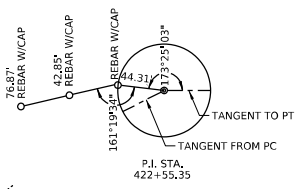
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	MERCER	0062	B08	7 OF 8
JACKSON TOWNSHIP				
REV NO	REVISIONS	DATE	BY	APPD

BM #1 ELEVATION 1325.50
26' RT STA. 423+57
COTTON SPINDLE IN EP # NO#

BM #3 ELEVATION 1321.83
20' LI STA. 425+32
SQ CUT IN TOP AW IN NW CORNER OF BRIDGE

BM #2 ELEVATION 1325.47
24' RT STA. 429+42
MAG SPIKE IN EP #846/103



- PROPOSED ROADWAY
- PROPOSED SHOULDER
- PROPOSED STRUCTURE

STRUCTURE DATA

EXISTING STRUCTURE	PROPOSED STRUCTURE
STATION: 425+18.00	STATION: 425+18.00
TYPE: T-BEAM AND STRINGER	TYPE: SPREAD BOX BEAM
SPANS: 1 @ 28'-0"	SPANS: 1 @ 50'-0"
SKEW: 90.00°	SKEW: 90.00°
OUT TO OUT: 43'-0"	OUT TO OUT: 34'-0"
CLEAR ROADWAY WIDTH: 40'-0"	CLEAR ROADWAY WIDTH: 32'-0"
MIN. UNDERCLEARANCE: 5'-0"	AVG. UNDERCLEARANCE: 6'-0"
	STRUCTURE NO. S-41445
	RECOMMENDED: 03-01-2023

PRELIMINARY
NOT FOR CONSTRUCTION

