

F.H.W.A. REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	67-4-0851-01	1984	1	5

**INDEX OF SHEETS**

1. Title Sheet
2. Profile Elevation and Deck Plan
3. North Deck Plan and Miscellaneous Details
4. South Deck Plan and Cross Section
5. Traffic Control Plan

STATE OF KANSAS

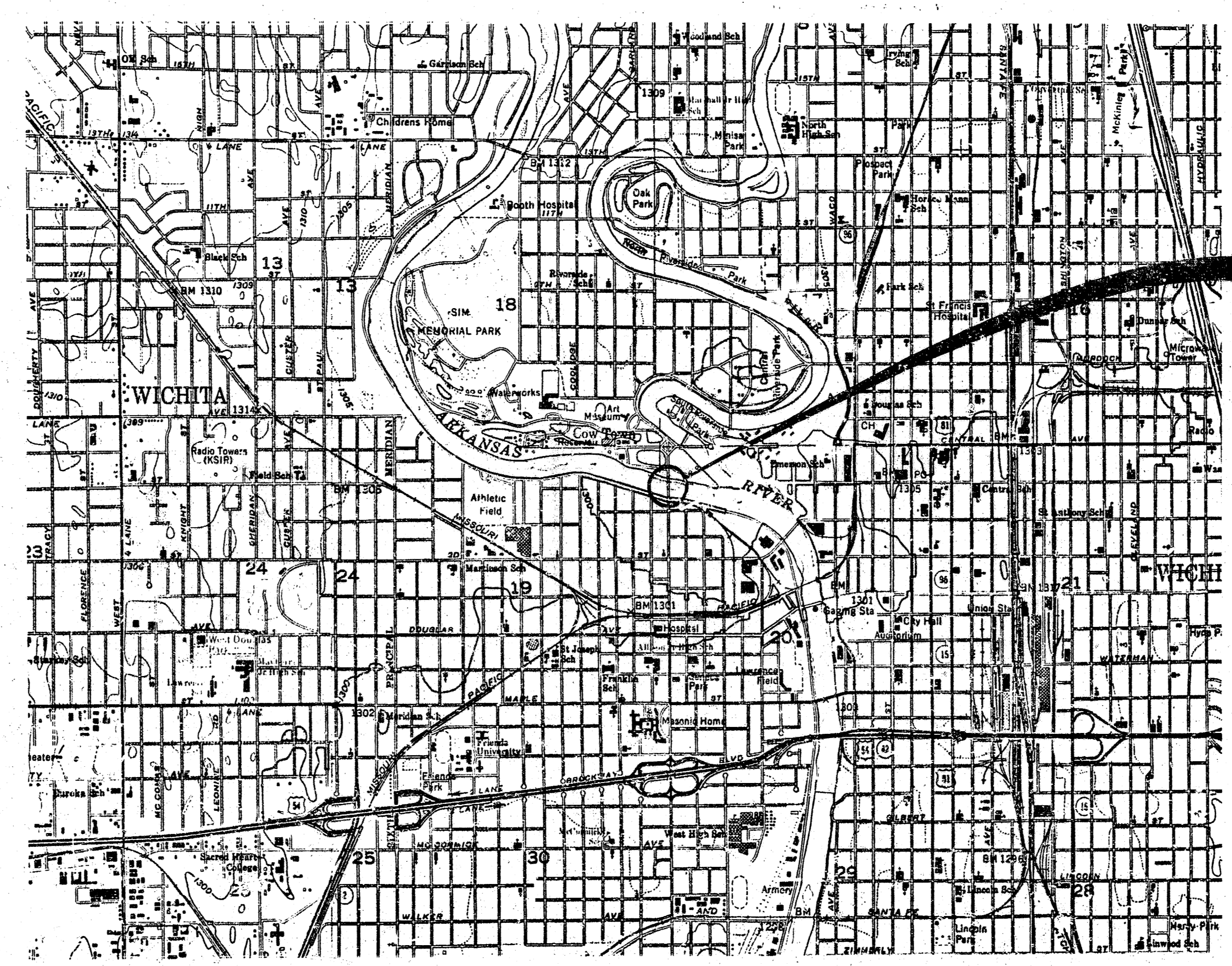
**DEPARTMENT OF TRANSPORTATION**

**SEDGWICK COUNTY**

PLAN AND PROFILE OF PROPOSED

**SENECA STREET BRIDGE REHABILITATION**

FEDERAL AID PROJECT  
BHM 6325 (002)  
WICHITA, KANSAS



PROJECT LOCATION

1" = 2000'

**DESIGN DESIGNATION**

**CONVENTIONAL SIGNS**

COUNTY LINE .....		RETAINING WALL .....	
CORPORATE LIMITS .....		BASE OR SURVEY LINE .....	
STATE OR NATIONAL LINE .....		LEVEE .....	
TOWNSHIP LINE .....		CULVERTS .....	
SECTION LINE .....		DROP INLETS .....	
GRANT LINE .....		ACCESS CONTROL .....	
FENCE LINE .....		POWER LINE .....	
GUARD FENCE .....		TELEPHONE OR TELEGRAPH LINE .....	
UNFENCED PROPERTY .....		MARSH .....	
RIGHT OF WAY LINE .....		HEDGE .....	
TRAVELLED WAY .....		TREES .....	
RAILROADS .....		GRADE ELEVATION .....	

GROSS LENGTH OF PROJECT FT.

EXCEPTIONS

ADDITIONS

NET LENGTH OF PROJECT FT. MILES

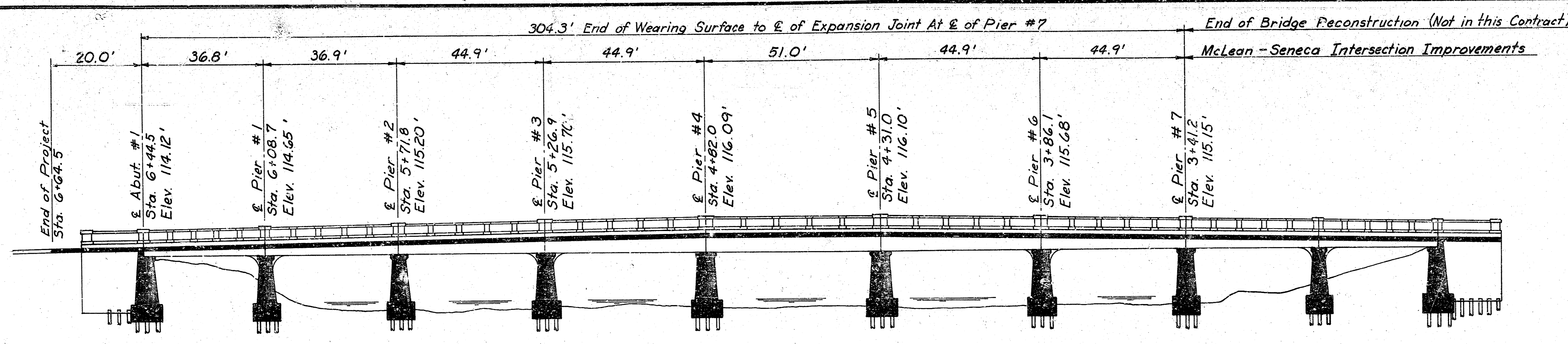
NET LENGTH OF BRIDGES FT. MILES

NET LENGTH OF ROAD FT. MILES

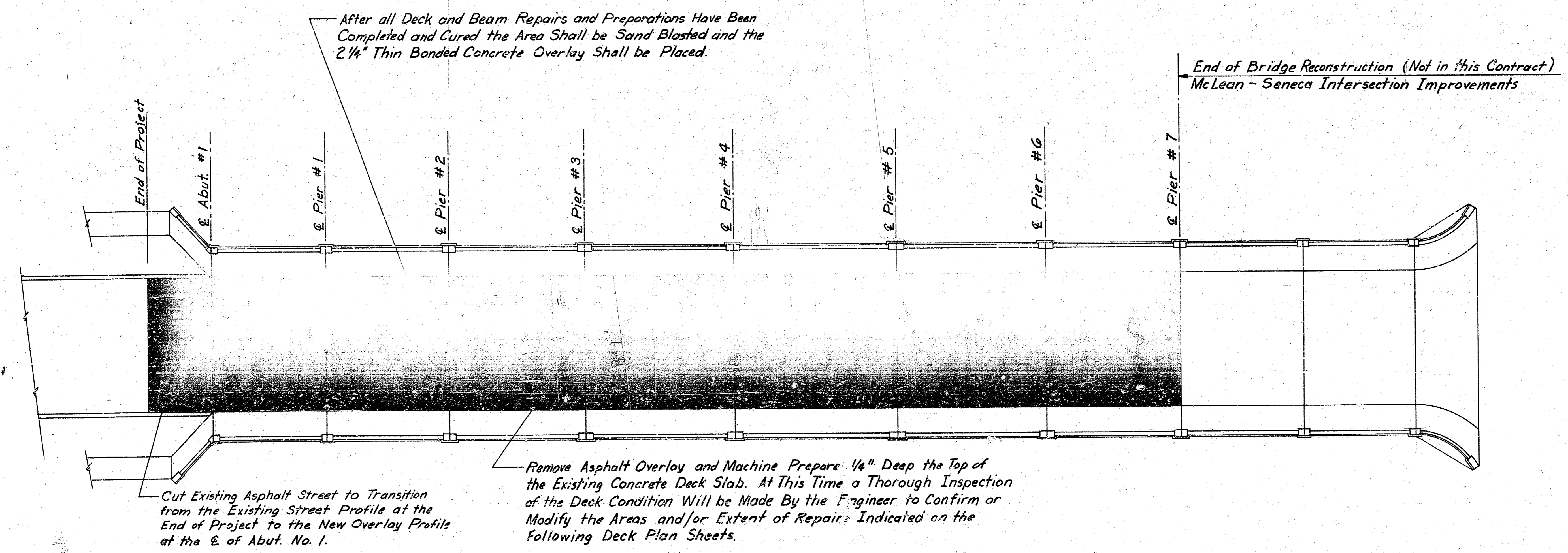
PLANS PREPARED BY  
**WILSON & COMPANY**  
ENGINEERS & ARCHITECTS  
SALINA - KANSAS

RECOM. FOR APPROVAL - DATE
ENGINEER OF DESIGN
APPROVED - DATE
STATE TRANSPORTATION ENGINEER KANSAS DEPARTMENT OF TRANSPORTATION

RECOM. FOR APPROVAL - DATE
ENGINEER FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION
APPROVED - DATE
DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION



**ELEVATION**  
 Profile Grade @  $\pm$  of Roadway  
 No Scale



**DECK PLAN**  
 No Scale

F H W A REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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**GENERAL NOTES**

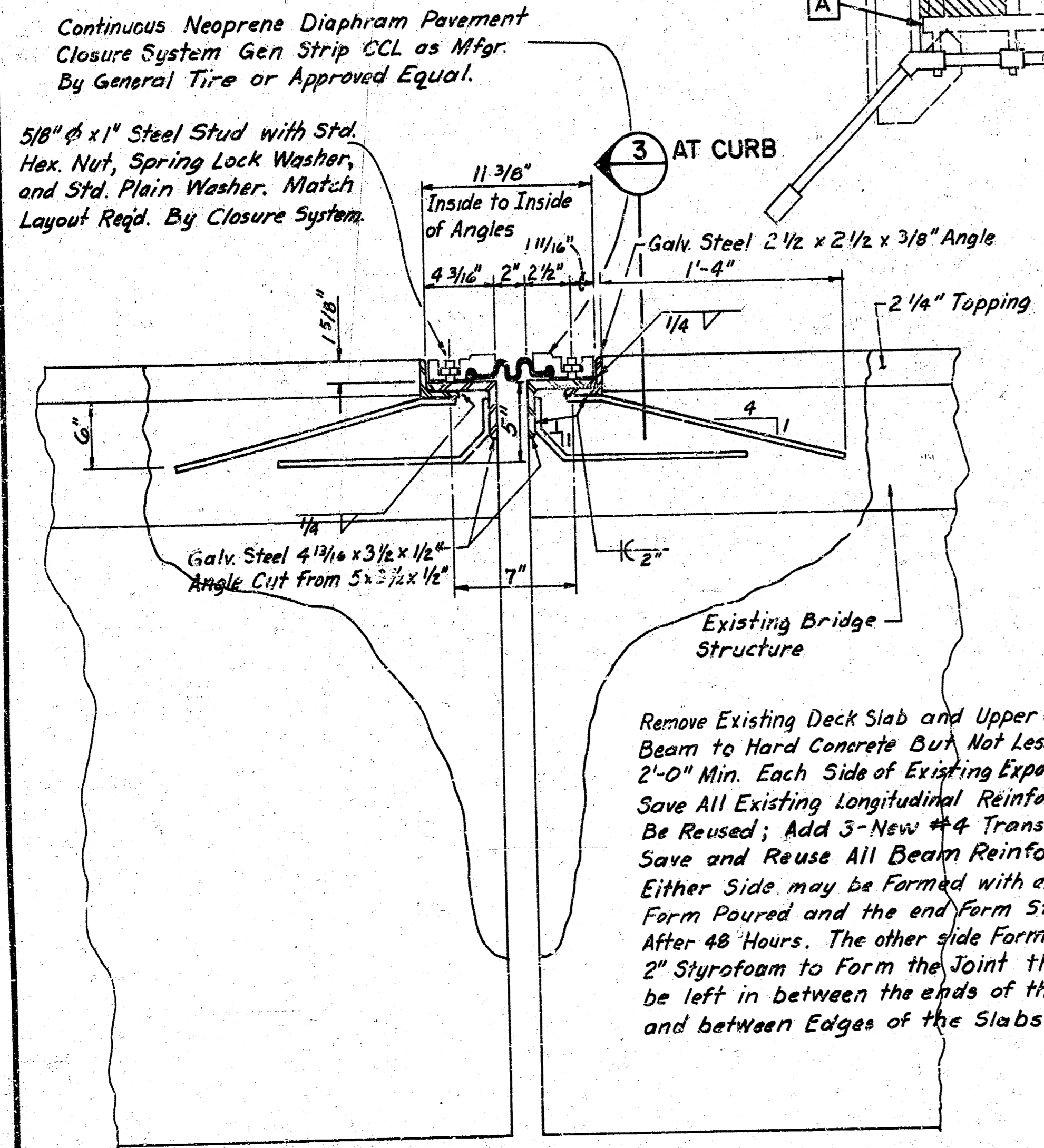
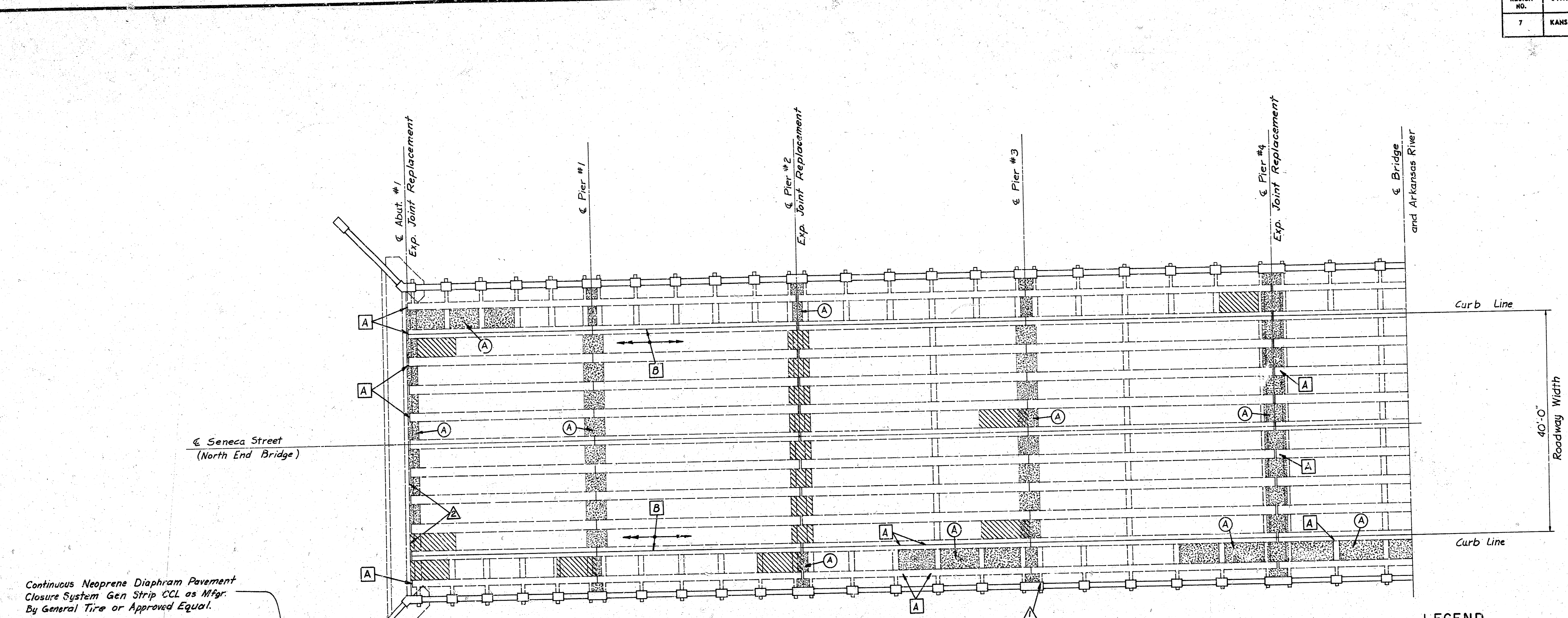
- DESIGN LOADING HS20-44 ASHTO SPECS. 1980 EDITION DESIGN DEAD LOAD INCLUDES 25 PSF FOR FUTURE WEARING SURFACE.
- UNIT STRESSES:  
 CONCRETE:  $f'c = 4,000$  PSI CLASS AAA(AE)  
 REINF. STEEL: (GR. 60):  $f_y = 60,000$  PSI
- CONSTRUCTION JOINTS: CONSTRUCTION JOINTS SHALL BE MADE ONLY AT PLACES SHOWN OR AT LOCATIONS APPROVED BY THE ENGINEER. JOINTS OF CONCRETE STRUCTURES SHALL BE CONSTRUCTED WITH A ROUGHENED SURFACE, UNLESS SPECIFIED OTHERWISE.
- ALL CONCRETE SHALL BE CLASS AAA-(AE). BEVEL ALL EXPOSED EDGES WITH 3/4" TRIANGULAR MOULDING. UNLESS OTHERWISE NOTED.
- REMOVAL OF FALSEWORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE FALSEWORK SHALL REMAIN IN PLACE FOR 15 DAYS OR UNTIL THE CONCRETE HAS ATTAINED 75% OF ITS DESIGN STRENGTH.
- REINFORCING STEEL: BAR BENDING AND DIMENSIONS SHALL BE AS SHOWN ON THE REINFORCEMENT DETAILS SHEETS. ALL PLACEMENT DIMENSIONS SHOWN IN THE PLANS REFER TO CENTER-LINE OF BARS, UNLESS SHOWN OTHERWISE.
- THE CONTRACTOR SHALL REMOVE THE EXISTING STRUCTURE AS DETAILED ON PLANS TO THE EXTENT AND LOCATIONS ADJUSTED BY THE FIELD INSPECTION IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR STATE ROAD AND BRIDGE CONSTRUCTION, KANSAS DEPARTMENT OF TRANSPORTATION, 1980 EDITION. ALL REMOVED MATERIALS SHALL BE DISPOSED OF BY THE CONTRACTOR AS APPROVED BY THE ENGINEER.

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

**KANSAS DEPARTMENT OF TRANSPORTATION**  
 SEDGWICK COUNTY  
 CITY OF WICHITA  
**PROFILE ELEVATION AND DECK PLAN**  
**WILSON & COMPANY**  
 ENGINEERS & ARCHITECTS  
 SALINA, KANSAS

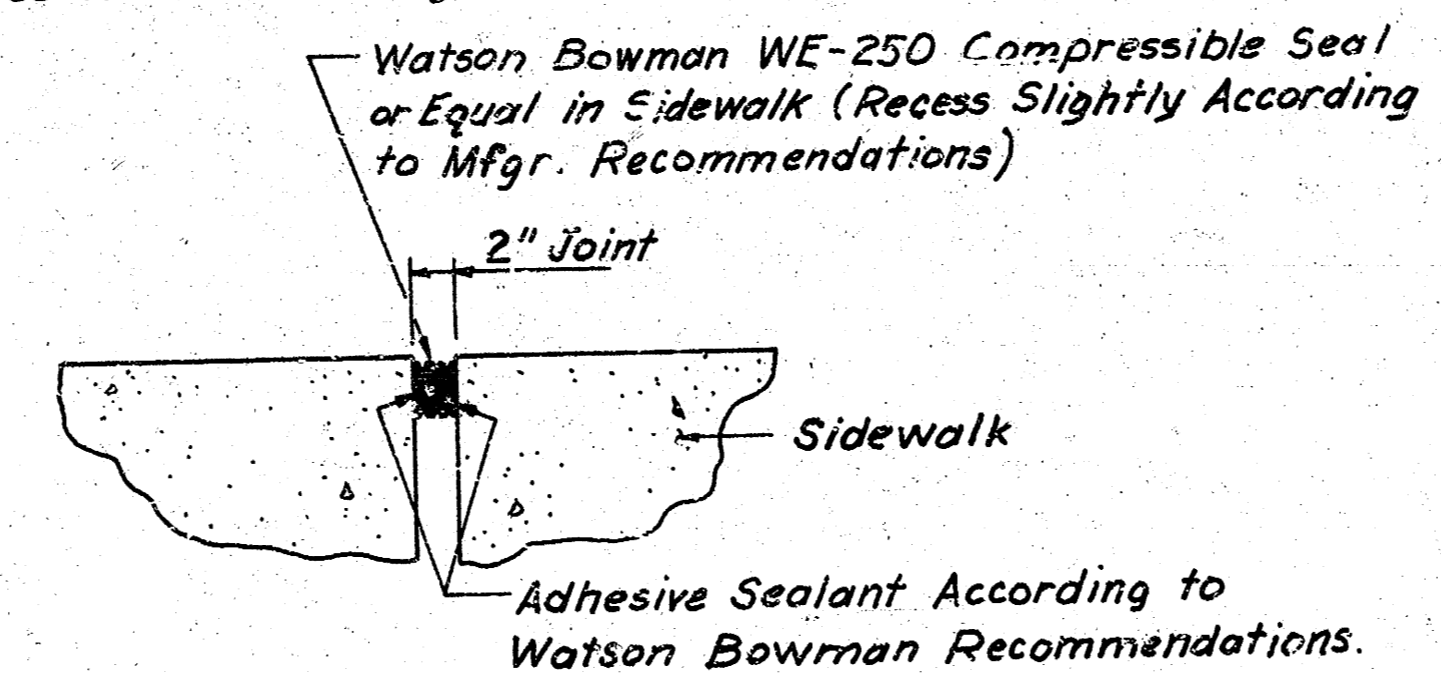
DESIGNED \_\_\_\_\_ TRACED \_\_\_\_\_ CHECKED \_\_\_\_\_

F.W.A. REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87-U-0851-01	1964	3	5



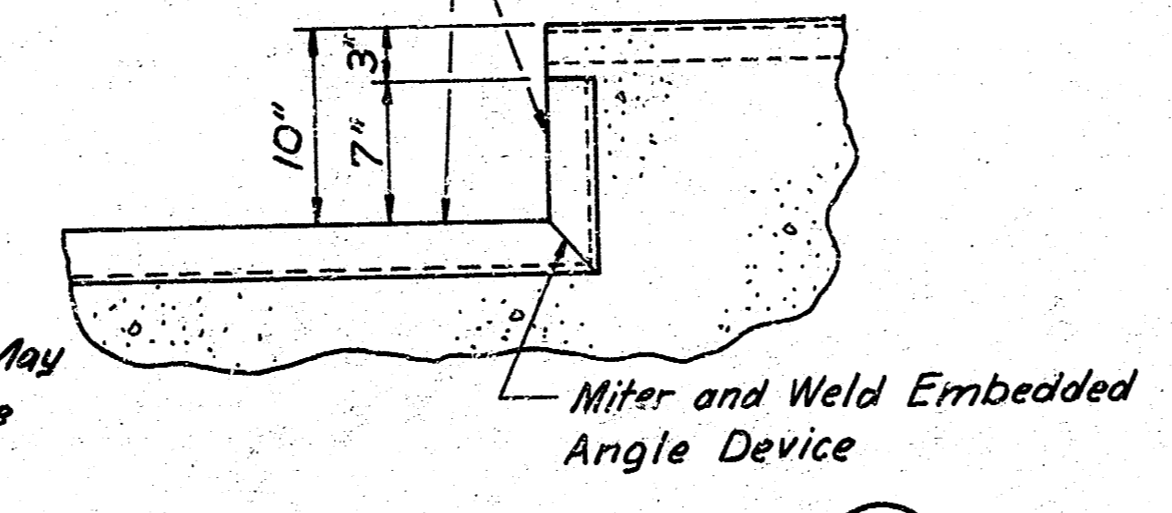
**EXPANSION DEVICE DETAIL**  
Not to Scale

Remove Existing Expansion Joint Angle and Anchors. Chip and Sand Blast all Deteriorated Concrete on both sides of Joint. If the Repairs did not take out a Large Section of the Sidewalk Slab, Repair with Low-Mod Gel and Sand. If Repairs Remove Large Sections of Sidewalk Slab, Reform and Pour Section to Provide a 2" Joint. Reuse or Replace All Reinforcing Steel Encountered.



**SIDEWALK EXPANSION JOINT (2)**  
Not to Scale  
Use a Continuous Elastomeric Curb and Gutter Unit at Each Side

Embedded Angle Device May be butted at  $\frac{1}{4}$  of Bridge Without Welding



**EXPANSION JOINT AT CURB (3)**

**NORTH DECK PLAN**  
1" = 10'-0"

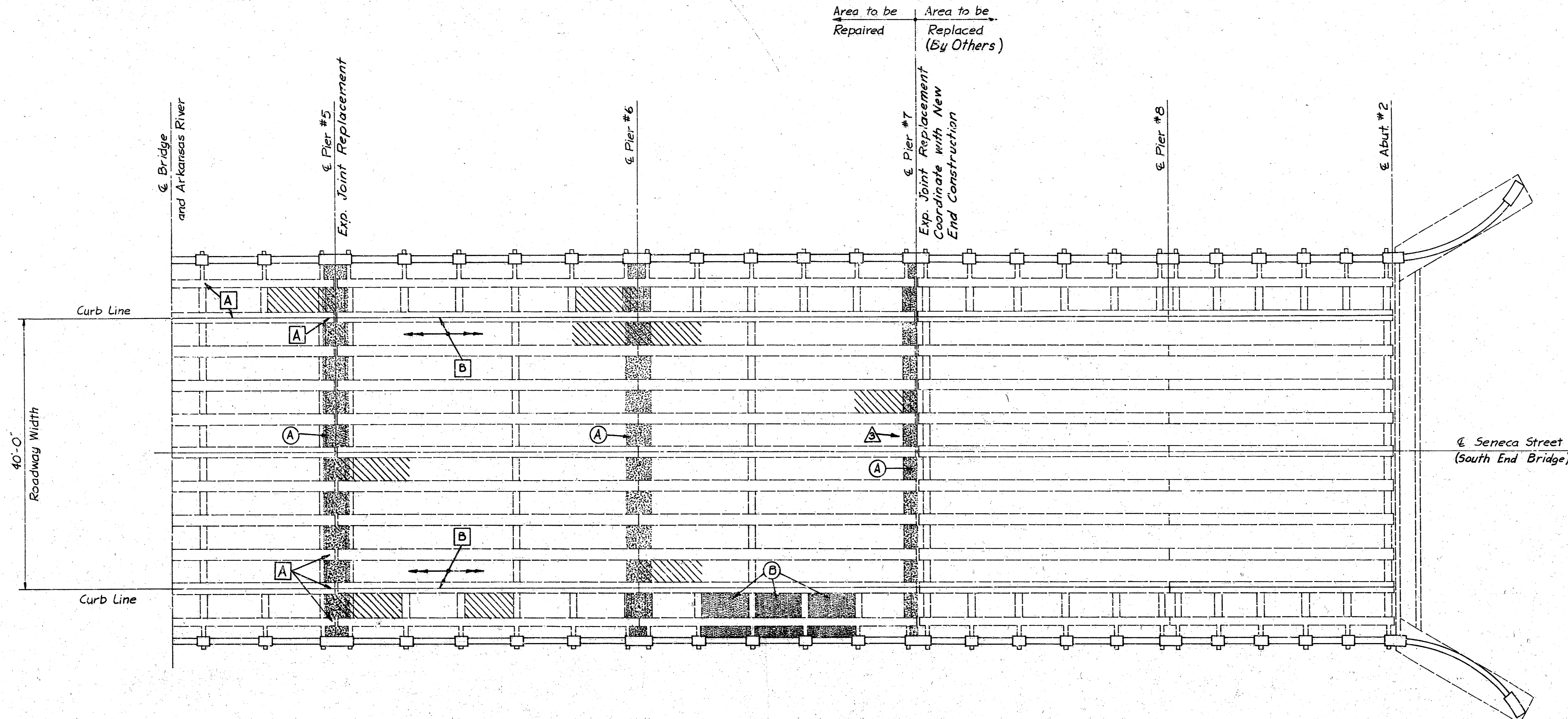
SYMBOL	DESCRIPTION
(A)	POROUS CONCRETE - BOTTOM OF DECK SLAB. CHIP ALL LOOSE CONCRETE OUT. SAND BLAST TO CLEAN AND REMOVE ALL LOOSE CONCRETE. REPAIR WITH LOW-MOD GEL AND SAND.
(B)	SPALLED CONCRETE WITH EXPOSED REBAR IN BOTTOM OF DECK SLAB. CHIP OUT ALL LOOSE CONCRETE. SAND BLAST TO CLEAN REBAR AND TO REMOVE ANY LOOSE SURFACE CONCRETE. IF THE DETERIORATION GOES THRU THE SLAB-FORM BOTTOM REPAIR THE DAMAGED AREA. IF THE DETERIORATION DOES NOT GO THRU THE SLAB REPAIR WITH LOW-MOD GEL AND SAND.
(C)	POROUS CONCRETE - TOP OF SIDEWALK SAND BLAST TO HARD CONCRETE AND REPAIR WITH SAND-CEMENT SURPLY.
(A)	HORIZONTAL CRACKING WITH SPALLED CONCRETE AND EXPOSED REINFORCEMENT IN THE BOTTOM OF THE GIRDERS. CHIP OUT ALL LOOSE CONCRETE, - SAND BLAST TO HARD CONCRETE AND CLEAN THE REINFORCING AND REPAIR WITH LOW-MOD GEL AND SAND.
(B)	HORIZONTAL CRACK WITH SPALLED CONCRETE IN THE CURB AREA. CHIP OUT ALL HOLLOW OR LOOSE CONCRETE AND REPAIR WITH LOW-MOD GEL AND SAND. REPAIR CRACKS WITH PRESSURE-INJECTED EPOXY.
(A, B, C, D)	VERTICAL CRACKS IN RAIL POST AND GIRDER - HORIZONTAL AND VERTICAL CRACKS IN PIERS AND ABUTMENT. REPAIR WITH PRESSURE-INJECTED EPOXY.

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

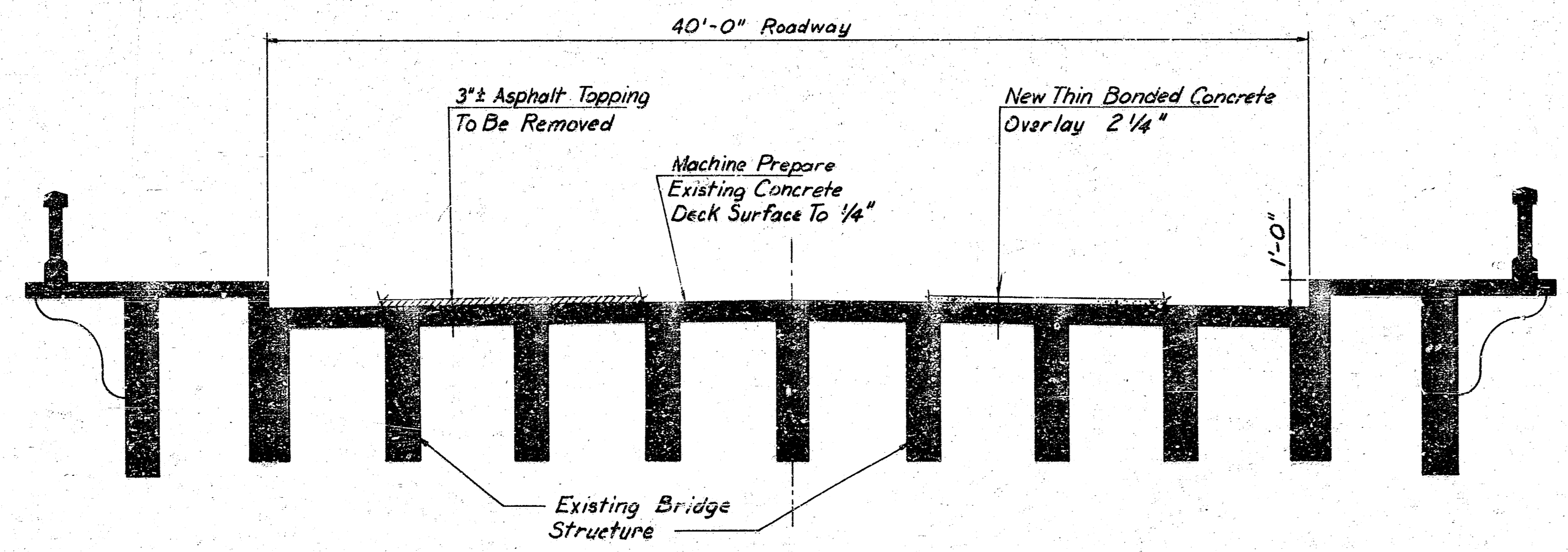
KANSAS DEPARTMENT OF TRANSPORTATION  
SEDGWICK COUNTY  
CITY OF WICHITA  
**NORTH DECK PLAN AND MISCELLANEOUS DETAILS**  
WILSON & COMPANY  
ENGINEERS & ARCHITECTS  
WICHITA, KANSAS

DESIGNED: \_\_\_\_\_ TRACED: \_\_\_\_\_ CHECKED: \_\_\_\_\_

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7	KANSAS	87-11-0851-01	1984	4	5



**SOUTH DECK PLAN**  
1" = 10'-0"



**BRIDGE CROSS SECTION**  
1" = 40'-0"

NO.	DATE	REVISIONS	BY	APP'D.
3				
2				
1				

**KANSAS DEPARTMENT OF TRANSPORTATION**  
 SEDGWICK COUNTY  
 CITY OF WICHITA  
**SOUTH DECK PLAN**  
**AND**  
**CROSS SECTION**  
 WILSON & COMPANY  
 ENGINEERS & ARCHITECTS  
 WICHITA, KANSAS

DESIGNED	TRACED	CHECKED
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