

STATE OF KANSAS
STATE HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT

54-87 U. 038-3(17)

TRAFFIC CENSUS 36000 VEHICLES PER DAY - SEE SKETCH

BRIDGE
CONCRETE PAVEMENT
ELECTRIC LIGHTING

INDEX OF SHEETS

SHEET NO.	TITLE SHEET
1	PAVING DETAILS & QUANTITIES
2	PLAN & PROFILE
3	CONCRETE PAVEMENT
4	SPECIAL CONCRETE PAVEMENT AT BRIDGE APPROACH
5	DOWELED EXPANSION JOINT & INSTALLING DEVICE FOR EXPANSION JOINTS
6	STEEL PLATE GUARD FENCE
7	ENGINEERING GEOLOGY
8	CONSTRUCTION LAYOUT - UNIT NO. 1
9-11	ABUTMENT DETAILS
12-13	PIER NO. 1 DETAILS
14-15	PIER NO. 2 DETAILS
16-17	PIER NO. 3 DETAILS
18	BONDING DIAGRAMS - SUPERSTRUCTURE
19	SLAB ELEVATIONS & COORDINATES
20	SUPERSTRUCTURE REINFORCING DETAILS
21	REINFORCING DETAILS - GIRDER WEB
22-23	GIRDER SECTIONS
24	BONDING DIAGRAMS - SUPERSTRUCTURE
25	EXPANSION DEVICE DETAILS
26	EXPANSION DEVICE DETAILS & BEARING DEVICE DETAILS
27	HANDRAIL & LIGHTING DETAILS
28	CONSTRUCTION LAYOUT - UNIT NO. 2
29	PIER NO. 4 & 5 DETAILS
30	PIER NO. 6, 7 & 8 DETAILS
31	PIER NO. 9 DETAILS
32	PIER REINFORCING DETAILS
33-34	SLAB & GIRDER REINFORCING
35	SLAB & GIRDER REINFORCING & BEARING DEVICES
36	WEB & DIAPHRAGM DETAILS
37	TYPICAL SECTIONS & ELEVATIONS
38	SUPERSTRUCTURE REINFORCING DETAILS
39	EXPANSION DEVICE DETAILS
40	HANDRAIL & LIGHTING DETAILS
41	ALTERNATE PILE DETAILS
42	BAR SUPPORTS & SPACERS
43	BRIDGE EXCAVATION

CONVENTIONAL SIGNS

COUNTY LINE	RETAINING WALL
CITY, VILLAGE OR BOROUGH	BASE OR SURVEY LINE
STATE OR NATIONAL LINE	LEVEE
TOWNSHIP LINE	QUVERTS
SECTION LINE	DROP INLETS
GRANT LINE	TROLLEY POLE
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	600.16	FT.
EXCEPTIONS	0.0	FT.
ADDITIONS	0	FT.
NET LENGTH OF PROJECT	600.16	FT. 0.13 MILES
NET LENGTH OF BRIDGES	600.16	FT. 0.13 MILES
NET LENGTH OF ROAD	0	FT. 0 MILES

SKETCH SHOWING
1975 TRAFFIC FORECAST

NOTE: TRAFFIC SHALL BE CARRIED THRU
CONSTRUCTION ON MCLEAN BLVD.

PLANS PREPARED BY
FINNEY & TURNIPSEED,
CONSULTING ENGINEERS
TOPEKA, KANSAS

DATE 19

APPROVED

CITY ENGINEER

DATE 18

RECOMMENDATION FOR APPROVAL DATE

ENGINEER OF DESIGN
STATE HIGHWAY COMMISSION OF KANSAS

APPROVED DATE

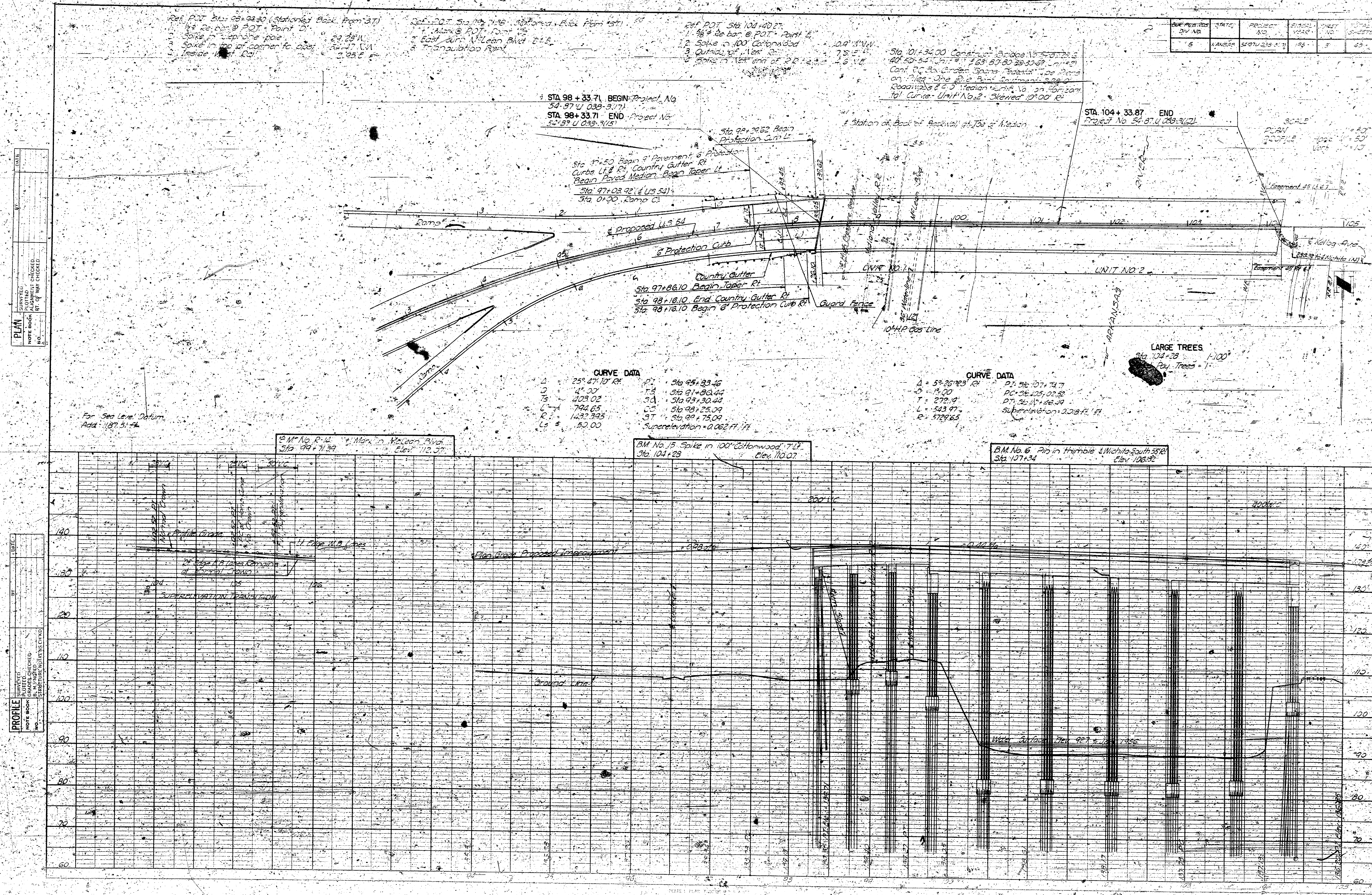
STATE HIGHWAY ENGINEER
STATE HIGHWAY COMMISSION OF KANSAS

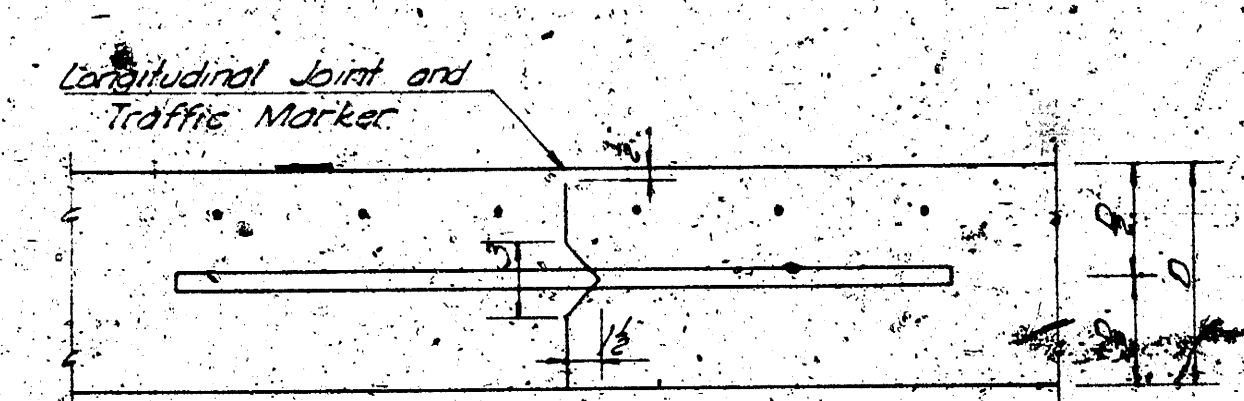
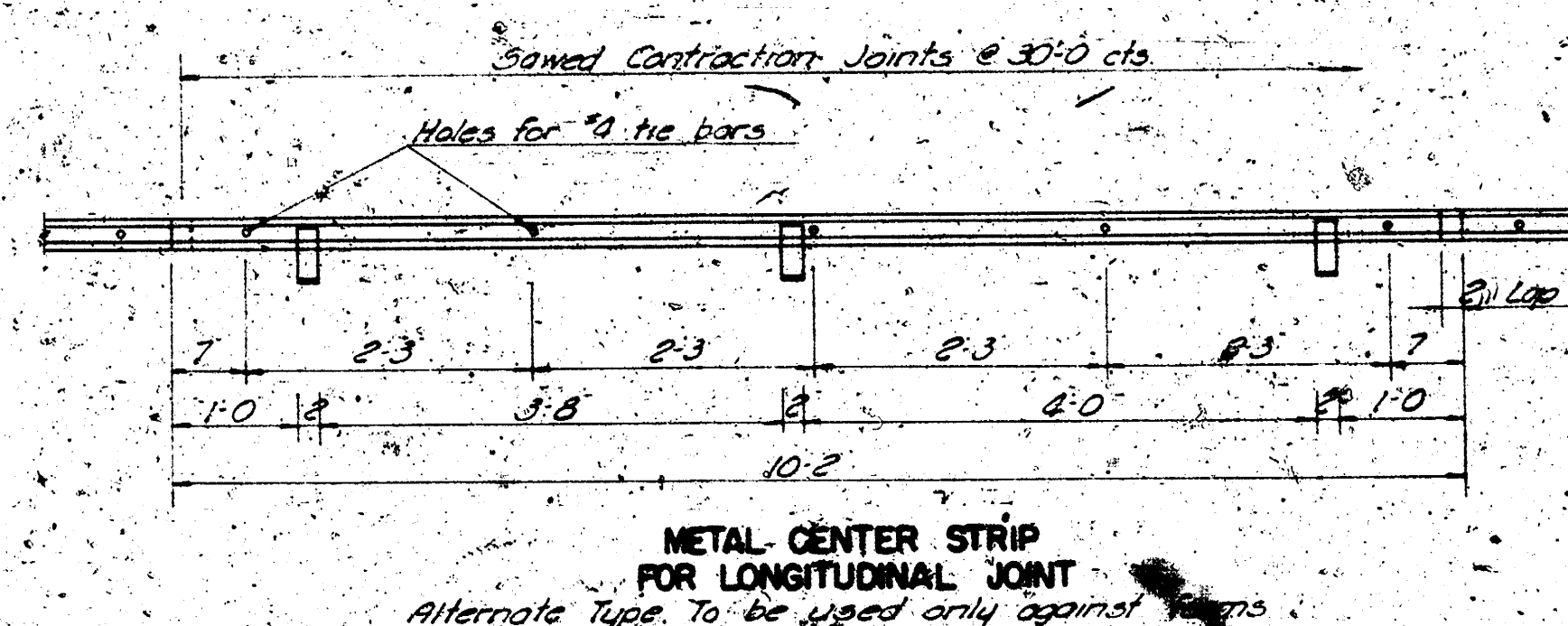
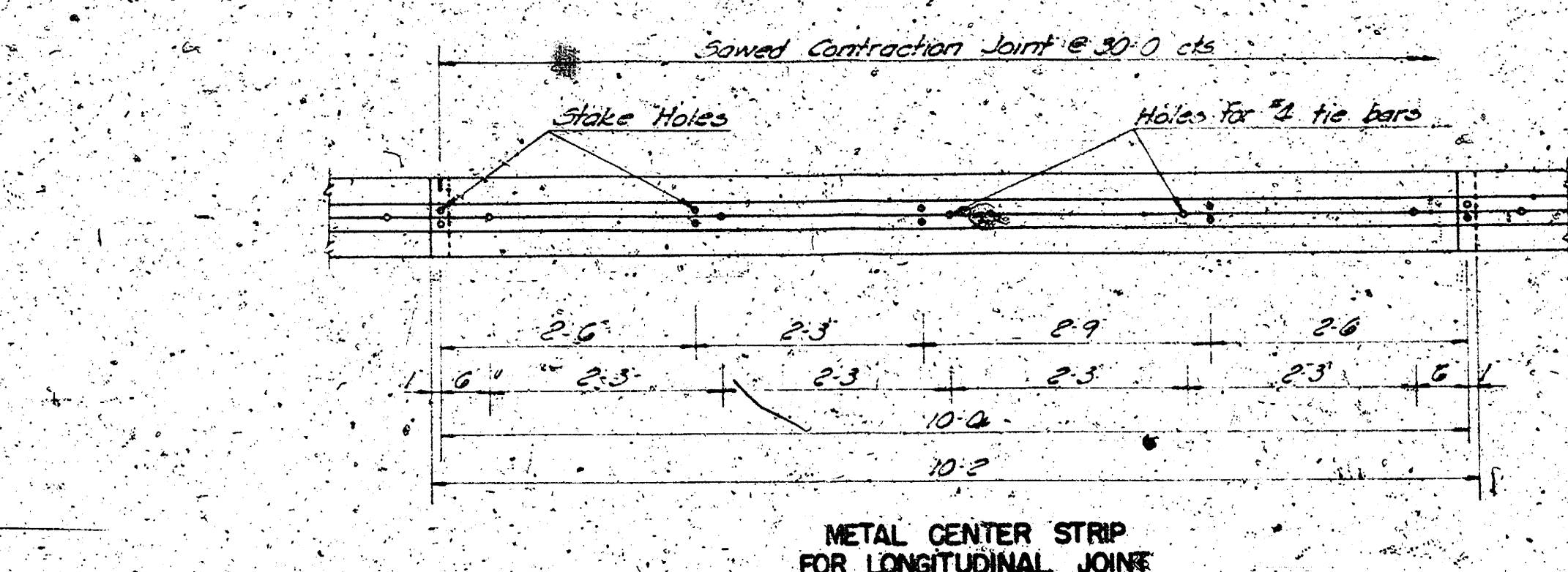
RECOMMENDATION FOR APPROVAL DATE

ENGINEER
BUREAU OF PUBLIC ROADS
DEPARTMENT OF COMMERCE

APPROVED

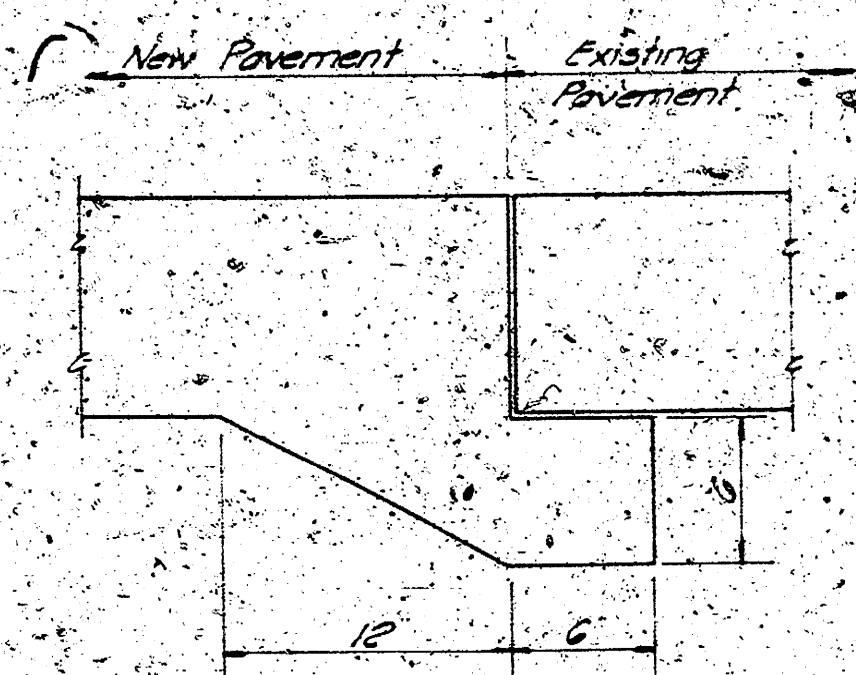
ENGINEER
BUREAU OF PUBLIC ROADS
DEPARTMENT OF COMMERCE



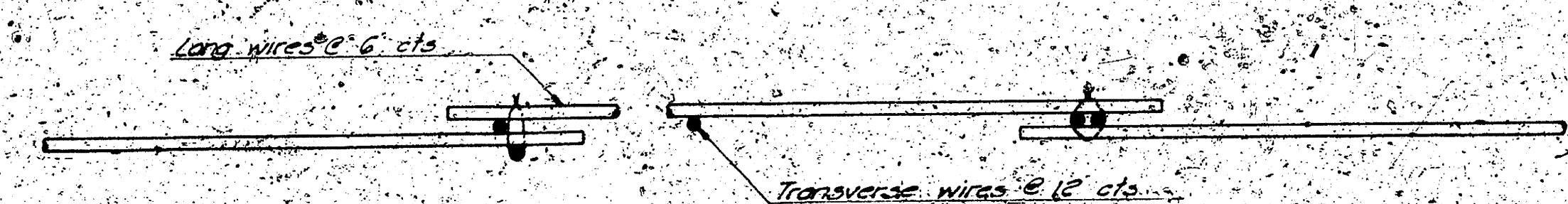


LONGITUDINAL JOINT AND TRAFFIC MARKER

Note: Only metal center strip may be used, except that if the contractor's option, metal strip may be omitted and the joint formed by sawing 2" deep and poured as specified for contraction joints.

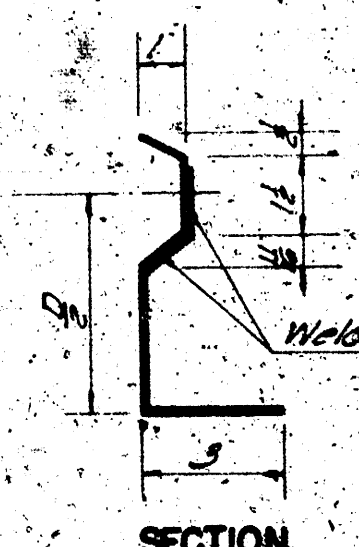


DETAIL FOR UNDERPINNING CONCRETE PAVEMENT

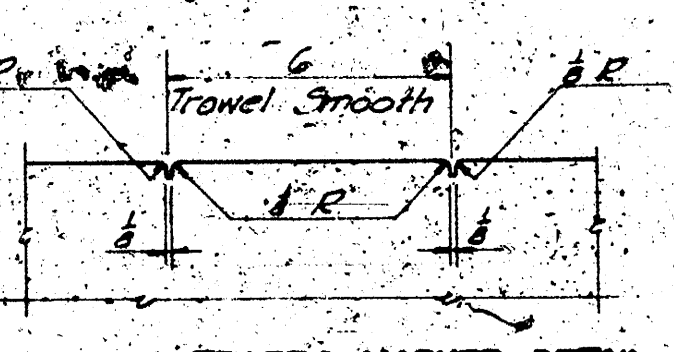


DETAIL OF LAP FOR WIRE MESH

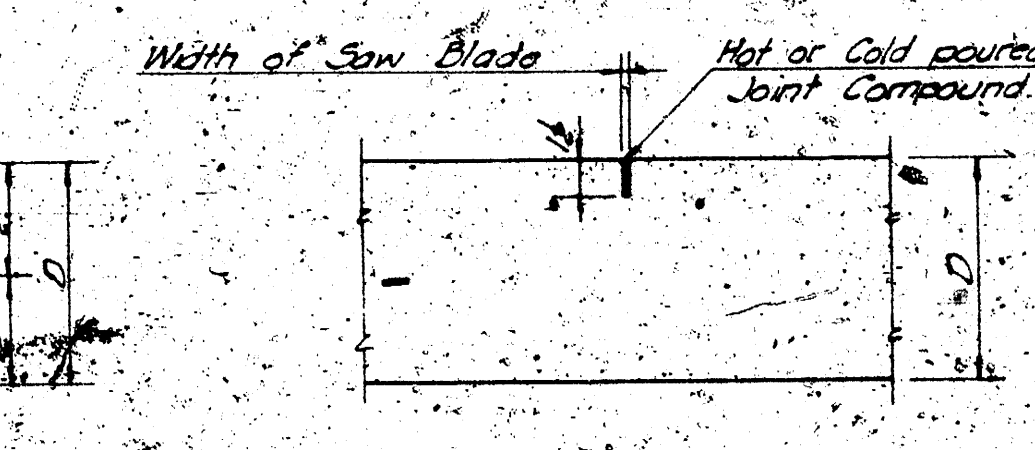
Note: The lap shall extend beyond the first transverse wire of each sheet. The sheet shall be wired securely at the edges and at intervals not to exceed 2'-6" for the full width of the sheet. Approximate weight of wire mesh: 40 lbs per 100 sq feet.



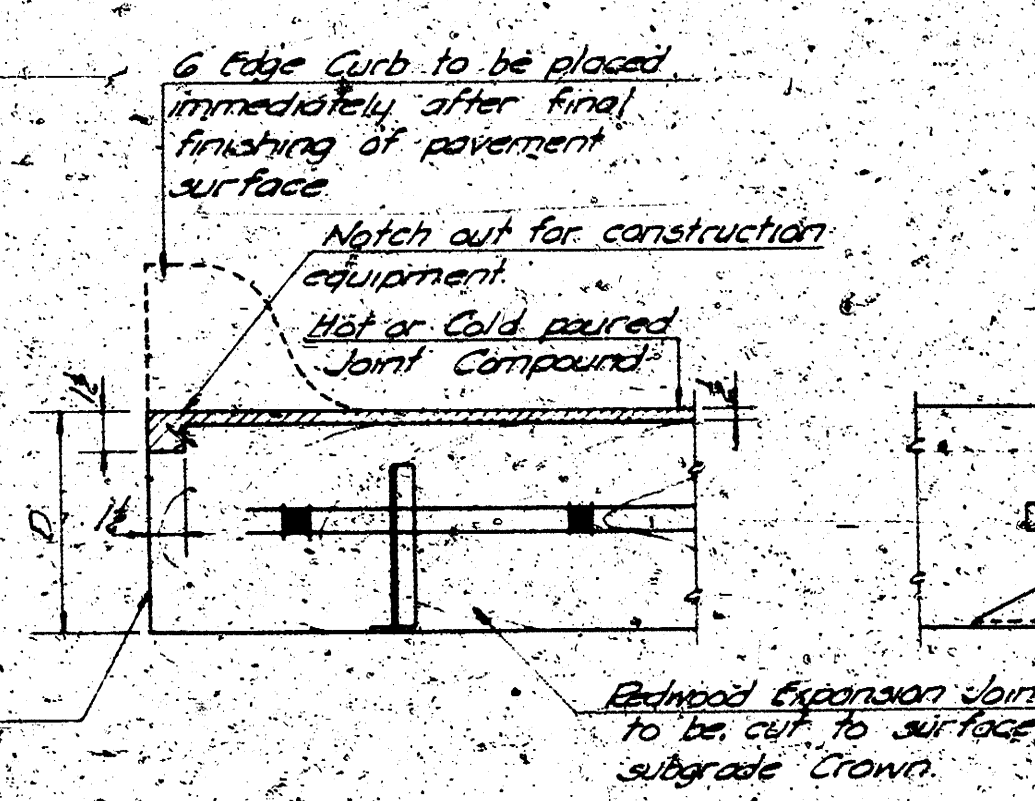
SECTION



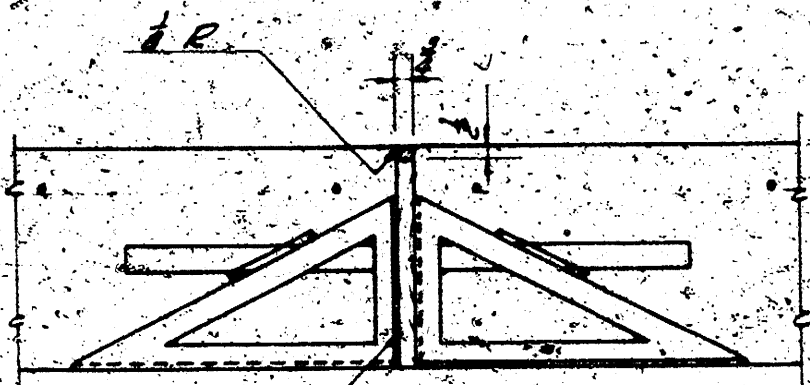
TROWELED TRAFFIC MARKER DETAIL



SAWED CONTRACTION JOINT DETAIL



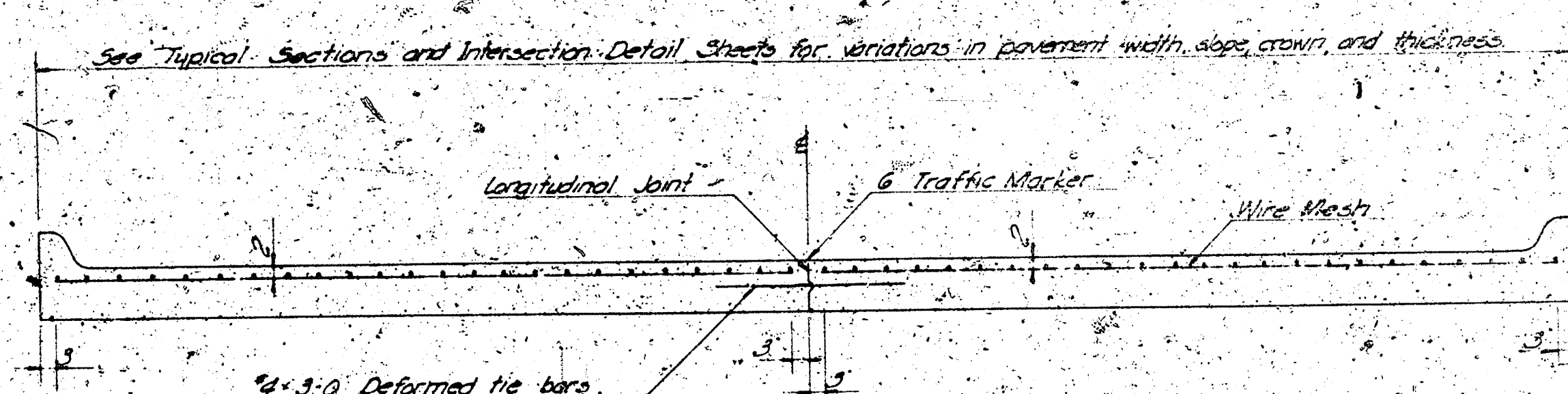
PART LONGITUDINAL SECTION



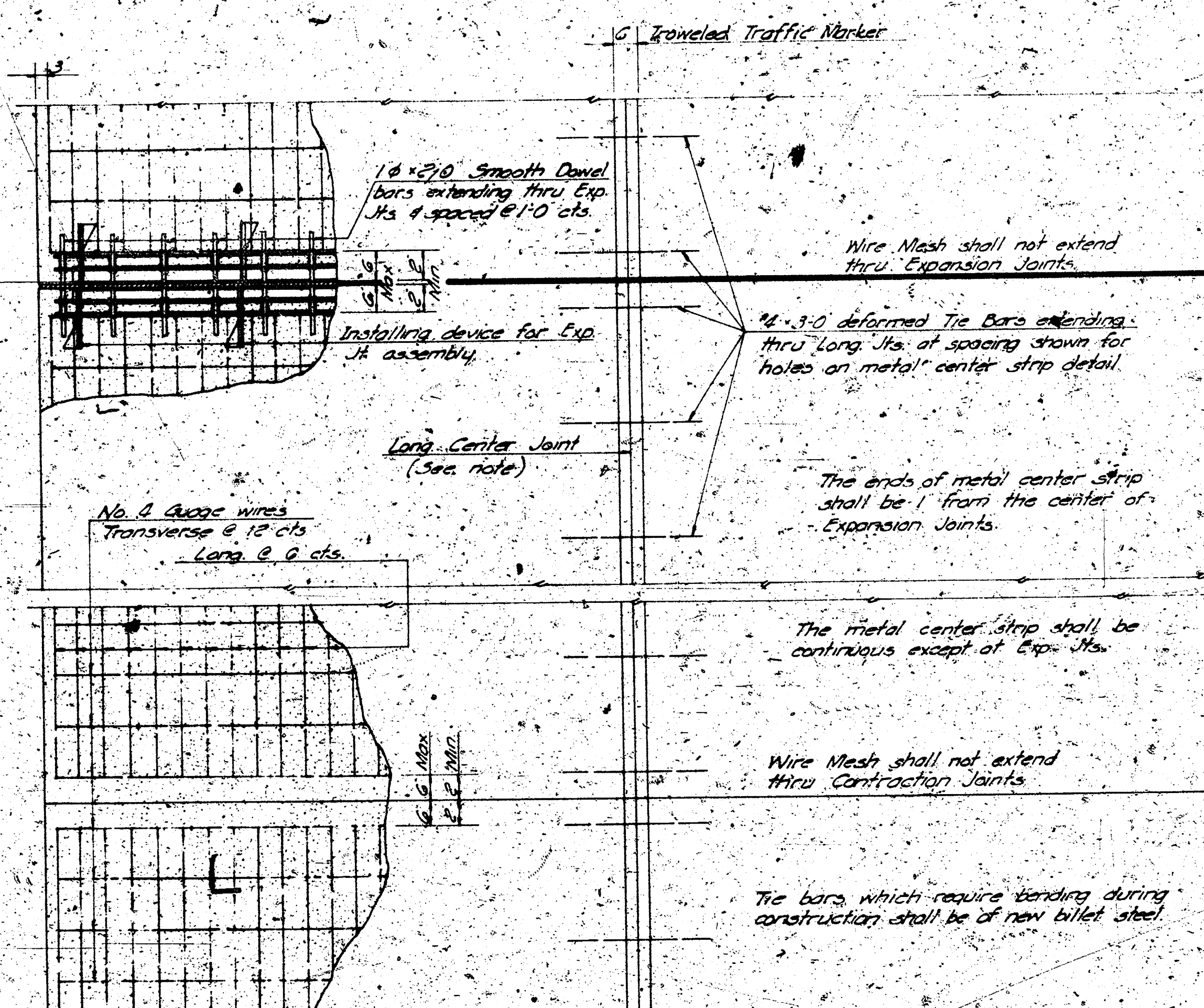
TRANSVERSE SECTION

EXPANSION JOINT DETAIL

Note: An Expansion Joint (without load transfer devices) shall be placed at the ends of the pavement slab where the new pavement meets the ends of bridges or other rigid structures.



TYPICAL TRANSVERSE SECTION



PLAN

CONCRETE PAVEMENT
U.S. 54 THRU WICHITA
PROJ. NO. 54-87 U038-3 (17) SEDGWICK COUNTY
FINNEY & TURNER
CONSULTING ENGINEERS
TULSA, OKLAHOMA

