

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-1103(20)	

7.97 MI. ± NORTH OF MAYFIELD HTS.
LAKE COUNTY
LAK-I-4.02

NOTE:
FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of borings and soil-sampling soundings made at the site. This sounding information may be inspected in the Bureau of Bridges in Columbus or in the Division Office, but the State does not guarantee the accuracy thereof.

⊙ Denotes Boring Location.

EXISTING STRUCTURE
TYPE: 2 Span Steel Truss.
SPAN: 2@85'
ROADWAY: 20'±
DATE BUILT:
CONDITION:

B.M. #40 El. 621.17
Bolt in base of 18" Maple
250' Lt. of Sta. 295+50

▲ Denotes Bridge Delineator

Drainage Area = 53 sq.mi.

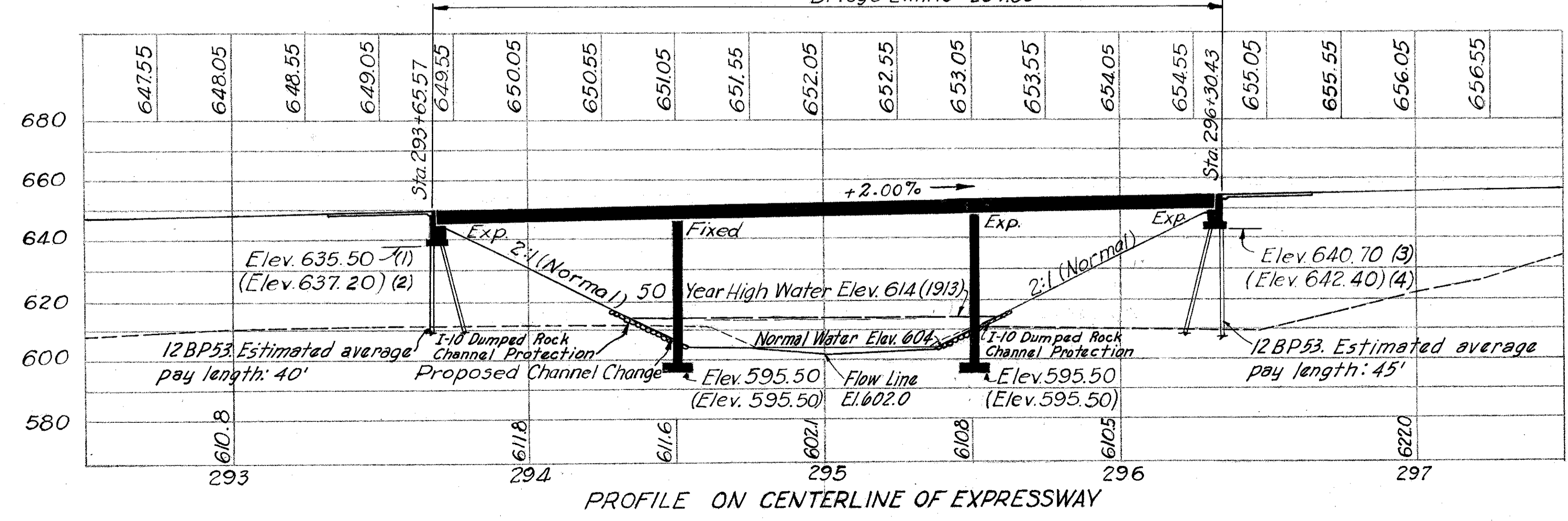
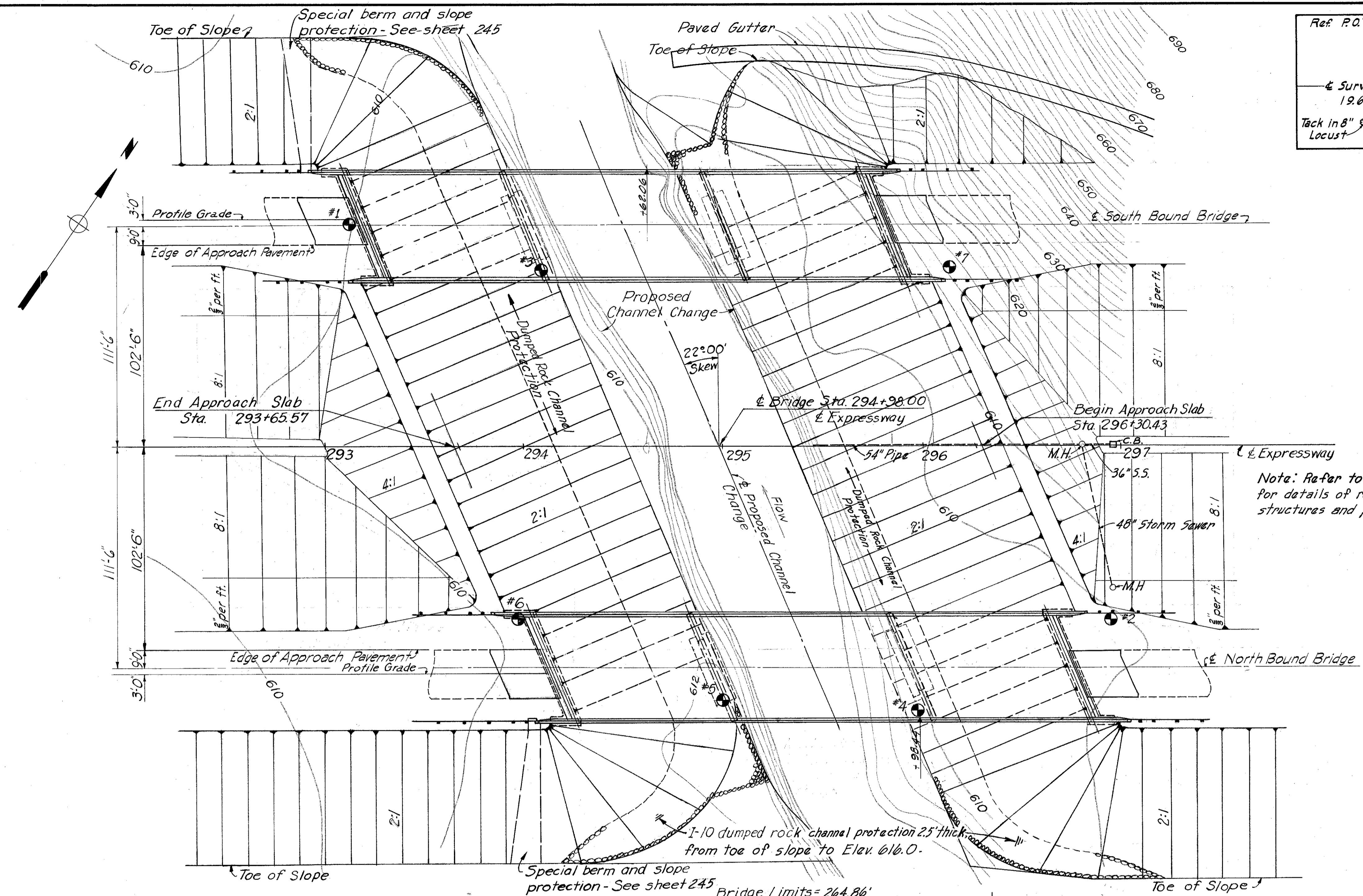
Preliminary Design
8-9-57 Y.G.

PROPOSED STRUCTURES
Type: Continuous steel girders with reinforced concrete deck & substructure.
SPANS: 80'-100'-80' % Bearings
ROADWAY: 54' f/f parapets
LOAD FREQUENCY: CF-2000 (51)
APPROACH SLAB: A 5-1-54 (25' Long)
SKEW: 22° 00' 00" R.F.
ALIGNMENT: Tangent
SUPERELEVATION: None
(Two Bridges)

MICHAEL BAKER, JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

SITE PLAN
BRIDGE NO. LAK-I-054I
OVER EAST BRANCH CHAGRIN RIVER
LAKE COUNTY
SCALE 1"=30'
STA. 294+98.00

PRESENT	TOPOGRAPHY	DESIGNED	PROPOSED	WORK
Surveyed	Drawn C.R.H. C.V.P.	Designed A.A.	Drawn C.M.C. C.V.P.	Checked D.W.S. Reviewed K.A. 11-57



Foundation Elevations shown thus () are for North bound Bridge.

⊙ Adequate for AASHTO alternate loading.