

23-64-120

DEPARTMENT OF HIGHWAYS ONTARIO

MEMORANDUM

TO: Mr. A. Stermac  
Principal Foundation Engineer,  
Room 107, Lab. Bldg.,

FROM: F. DeVisser

Bridge Division,  
DATE: January 8, 1963.

OUR FILE REF.

IN REPLY TO

SUBJECT: W.P. #204-62, Site #11-145,  
Widening of Hwy 25 Underpass,  
Q.E.W., District #4.

62-F-136

55-86

Attached is one print of our preliminary plan D5150-P1  
for the subject structure.

If you have any comments, please let us know.

F. DeVisser,

FDeV:dm

F. DeVisser,  
Bridge Location Engineer.

*Investigation done in 1955 or 1956 and report not in  
our files. Frank DeVisser will find the report in the  
Bridge Office and let us know. Drawing also does  
not show footings.  
Jan 14th 1963. astmura*

Note  
Discussion with Lamas Smith & Assoc  
Jan 14<sup>th</sup> 1963.

Existing bridge shows no signs of trouble or damage.

Extension will basically use same pressures: 6,000  $\text{lb/sqft}$  for abutment footings, 5,000  $\text{lb/sqft}$  for retaining wall footings.

Subsoil is basically clay and therefore some settlements have to be expected.

The designer intends to key in the upper portion of the structure, at the deck.

If differential settlements are going to take place this key would break and should be repaired. This would involve little work and it is therefore considered that no expensive precautions be made at this stage. The settlement problem can only be considered qualitatively, not quantitatively.

Soil investigation was carried out in 1955 and the information is very scarce.

Agstomura,

Jan 15, 1963

ES Frank DeWiser was advised of the above

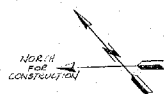
#62-F-136

W.P. #204-62

Q.E.W. E'

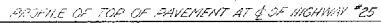
Hwy. #25

UNDERPASS



ELEVATION  
SCALE 1/4" = 1'-0"

Bottom of  
DESIGNS EL. 342.0  
6 K/ft<sup>2</sup> ABOUT  
5 K/ft<sup>2</sup> RETAINING WALLS

[illegible]

REVISIONS		DATE	BY	DESCRIPTION
1	REC'D	10/10/80	RECEIVED AS PER APPROVED AS NOTED DRAWING 05-50-FRM-BL-00	

DEPARTMENT OF HIGHWAYS ONTARIO									
BRIDGE DIVISION									
WIDENING OF									
HWY. 25 UNDERPASS									
KING'S HIGHWAY No. Q. F. W. _____					DIST. No. 4				
CO. HALTON									
TOWN OF KIRKINCOTTON					LOT		CON.		
PRELIMINARY GENERAL ARRANGEMENT									
APPROVED _____					SITE No. 11-145		W.P. No. 204-52		
DESIGNED BY _____									
DESIGN	S.P.D.	CHECK	CHECK	CONSTRUCT					
DRAWING	S.P.D.	CHECK	G.R.T.	CONSTRUCT					
DATE	DESIGNED	LOADING	W.P. NO.	DRAWING					
	1962				DS150-PI				