

Workflow 7: Subexcavation Data Input

1. Select the "Subexcavation" worksheet. Subexcavation quantities may be calculated either by GEOPAK or by the user. Input the appropriate station range in columns F and H.
2. If GEOPAK calculated the subexcavation quantities, complete the following steps:
 - a. Input the "XSData" worksheet row number of the subexcavation beginning and ending stations in Columns A and B (yellow columns).
 - b. Input the subexcavation volumes that are either available for fill or unavailable for fill in Columns I and J.
 - c. Select the "XSData" worksheet tab. Copy the quantities of subexcavation material unavailable for fill (Column J) to the corresponding mainline station in Column "J" in the XSData worksheet.

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											

SUBEXCAVATION SUMMARY			
Item Number ->	For info only	For info only	20402-0000
Station to Station	Subexcavation Material Available for Fill	Subexcavation Material Unavailable for Fill	SUBEXCAVATION
	CUYD	CUYD	CUYD
117+00 - 118+00	29		29
119+50 - 120+00		221	221

Fig. 12.7-1: Subexcavation Quantities Calculated By GEOPAK

3. If the subexcavation quantities were calculated by hand, complete the following steps:
 - a. Input the mainline station nearest to the subexcavation in Column D. This should be the same as the station used in the "XSData" worksheet.
 - b. Input the subexcavation volumes that are either available for fill or unavailable for fill in Columns I and J.
 - c. Input the total volume of subexcavation for each station range into Column K.

- d. Select the "XSData" worksheet tab. Copy the total volume of subexcavation (Column K) into Column G in the XSData worksheet. Copy the Subexcavation material Unavailable for Fill (Column J) into Column J of the XSData worksheet. Overwrite the formulas used in the XSData worksheet for the subexcavation quantities calculated by hand.

D	E	F	G	H	I	J	K
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USE THIS
COLUMN IF
SUBEX
CALCULATED
BY HAND ↓

Hand input by User

SUBEXCAVATION SUMMARY			
Item Number	For info only	For info only	20402-0000
Station to Station	Subexcavation Material Available for Fill	Subexcavation Material Unavailable for Fill	SUBEXCAVATION
	CUYD	CUYD	CUYD
100+00 - 100+50		1000	1,000

XS Data Station
100+00

Fig. 12.7-2: Subexcavation Quantities Calculated By Hand