eFAPG

Federal-Aid Policy Guide

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Attachment 2

Non-Regulatory Supplement Attachment

OPI: HSA-10

EXAMPLE OF AN ESTIMATE OF COST FOR GRADE CROSSING WARNING DEVICES TO SUPPORT AN AUTHORIZATION TO PROCEED WITH CONSTRUCTION UNDER AN AGREEMENT PROVIDING FOR A LUMP SUM PAYMENT

a. Description of Improvement

Installation of two automatic gate units with cantilever mounted flashing light signal
controlled by motion sensor and other track circuit equipment at the crossing of
Road and a single main line track, replacing existing reflectorized crossbuck
signs.

b. Estimate of Cost

ITEM	QUANTITY	' UNIT	UNIT PRICE	AMOUNT
Preliminary Engineering		Man-Hrs.		
Construction Engineering		Man-Hrs.		
<u>Material</u>				
Automatic gate signals		Each		
Cantilever amounted flashing light signals		Each		
Relays, incl. housing		Each		
Motion Sensor		Each		
Batteries and housing		L. Sum		
Foundations		L. Sum		
Wire, cable and conduit		L. Sum		
Insulated Joints		L. Sum		
ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Miscellaneous items		L. Sum		
Total Material		L. Sum		
Transportation of Material		L. Sum		
Store expense		%		
<u>Equipment</u>				
Outfit cars		Days		
Trucks		Days		
Trencher		Days		
<u>Labor</u>				

Foreman	Hrs
Signalman	Hrs
Asst. Signalman	Hrs
Holidays	%
Vacation	%
Payroll taxes	%
Supplemental pension	%
Insurance	%
Meal and Lodging Allowance	Man-Hrs
Total Labor	Man-Hrs
(No contingencies allowed)	
ITEM Less Credit for material salvaged Net Total	QUANTITY UNIT UNIT PRICE AMOUNT

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