The Chesapeake and Potomac Telephone Company owns and operates an underground duct system which carries their communications cables. This system covers most of the City and is located generally under the sidewalks. Their overhead service lines are mostly in the alleys. The facilities of the American Telephone and Telegraph Company are maintained by the Chesapeake and Potomac Telephone Company and are in this same duct system.

Although they are not public utilities, two other facilities have been included in this category because they occupy city streets by easement. They are the internal plant piping between tank farms of the Standard Oil Company located along Boston Street, and the two 6 inch petroleum products lines running from the Sun Oil Company's unloading dock to their bulk storage plant along Russell Street.

The Pennsylvania Railroad's electric catenary on its main line will require adjustment at several locations.

The extent of adjustment to facilities of the various utilities was developed from plans, maps, and records made available at the offices of the Bureau of Sewers and the Bureau of Water Supply, and from plans of the gas and electrical distribution systems furnished by the Baltimore Gas and Electric Company. The extent of telephone facility adjustment was developed through the use of the telephone company's private records which were made accessible for this purpose. The extent of other facility adjustments was determined from plans supplied by the company involved or from field observation. From these data the facilities were plotted on prints of the plans for each Study Location. Then, with the aid of roadway plans, profiles, and structure drawings, the amount of adjustment necessary to relocate or protect the facilities was determined.

Utility adjustment costs were developed from prices supplied by the utility companies or the City department or bureau involved. All prices furnished were reviewed by the Consulting Engineers and, if found necessary, were adjusted after discussion with the respective company, department or bureau. Where considerable expense was apparent on some of the major interferences, such as substations and generating plants, the interested utility company was requested to submit a cost estimate for the removal or relocation of that particular facility and, after review by the Consulting Engineers, this estimated price was used in the cost estimate.

CONSTRUCTION COSTS

Estimates of quantities for construction items include all work which can be anticipated at this time necessary to construct an expressway conforming to the design criteria presented previously in this Report. The roadway cross section consists of eight-twelve foot wide through traffic lanes with a twenty foot wide median and two-twelve foot wide outside shoulders. The median provides eight foot wide paved shoulders adjacent to the travel lanes and a four foot wide barrier curb with continuous barrier fence. The outside shoulders include two foot wide gutter sections with mountable curbs, and ten foot wide paved areas.