

PART V

COST ESTIMATE AND PREPARATION OF (DRAFT) TENDER DOCUMENTS

CHAPTER 12

CONTRACT PACKAGING

12.1 Principles for Contract Packaging

Division of the Project into contract packages was considered with the following factors:

- Construction period
- Construction cost
- Type of work
- Material hauling route

(1) Construction Period

Completion of the Project is urgently needed, therefore, construction period should be as short as possible. The construction period of 3.0 years (36 months) for the biggest amount of package is planned. Each contract package was planned to be completed within 36 months.

(2) Construction Cost

Construction cost of a contract package should be within an appropriate range.

(3) Type of Work

The Project involves two long bridges, namely Angat River Bridge and Pampanga River Bridge, each of which should form one contract. The Contractor who has enough experience in bridge construction should be selected for the said contract packages.

(4) Material Hauling Route

Major work of this Project is embankment from borrow pits. In order to avoid work activity conflict between adjacent contractors, each contract package should have at least one material hauling route. This should be considered in contract packaging.

12.2 Proposed Contract Packages

In due consideration of above factors, contract packages for the initial stage are proposed as shown in Table 12.2-1 and shown in Figure 12.2-1 for Plaridel Bypass and Figure 12.2-2 for Cabanatuan Bypass.

TABLE 12.2-1 CONTRACT PACKAGE OF CIVIL WORK FOR THE INITIAL STAGE

Bypass Name	Contract Package No.	Section	Distance (km)	Major Work
Plaridel Bypass	No. 1	Sta.33+025(NLE)~Sta.39+625	6.60	<ul style="list-style-type: none"> • Interchange • With short frontage road section
	No. 2	Sta. 39+625~Sta. 47+400	7.78	<ul style="list-style-type: none"> • Without frontage road section
	No. 3	Sta. 47+400~Sta. 49+625	2.22	<ul style="list-style-type: none"> • Angat River Bridge
	No. 4	Sta. 49+625~Sta.55+672	6.05	<ul style="list-style-type: none"> • With frontage road section
	Total		22.65	
Cabanatuan Bypass	No. 1	Sta.100+480~Sta.109+920	9.44	<ul style="list-style-type: none"> • Without frontage road section
	No. 2	Sta. 109+920~Sta.119+000	9.08	<ul style="list-style-type: none"> • With frontage road section
	No. 3	Sta.119+000~Sta.121+600	2.60	<ul style="list-style-type: none"> • Pampanga River Bridge
	No. 4	Sta.121+600~Sta.134+731	13.13	<ul style="list-style-type: none"> • Without frontage road Talavera River Bridge
	Total		34.25	
San Jose Bypass	No. 1	Sta. 155+828~Sta.163+808	7.98	<ul style="list-style-type: none"> • With Bicycle Road Section

12-3

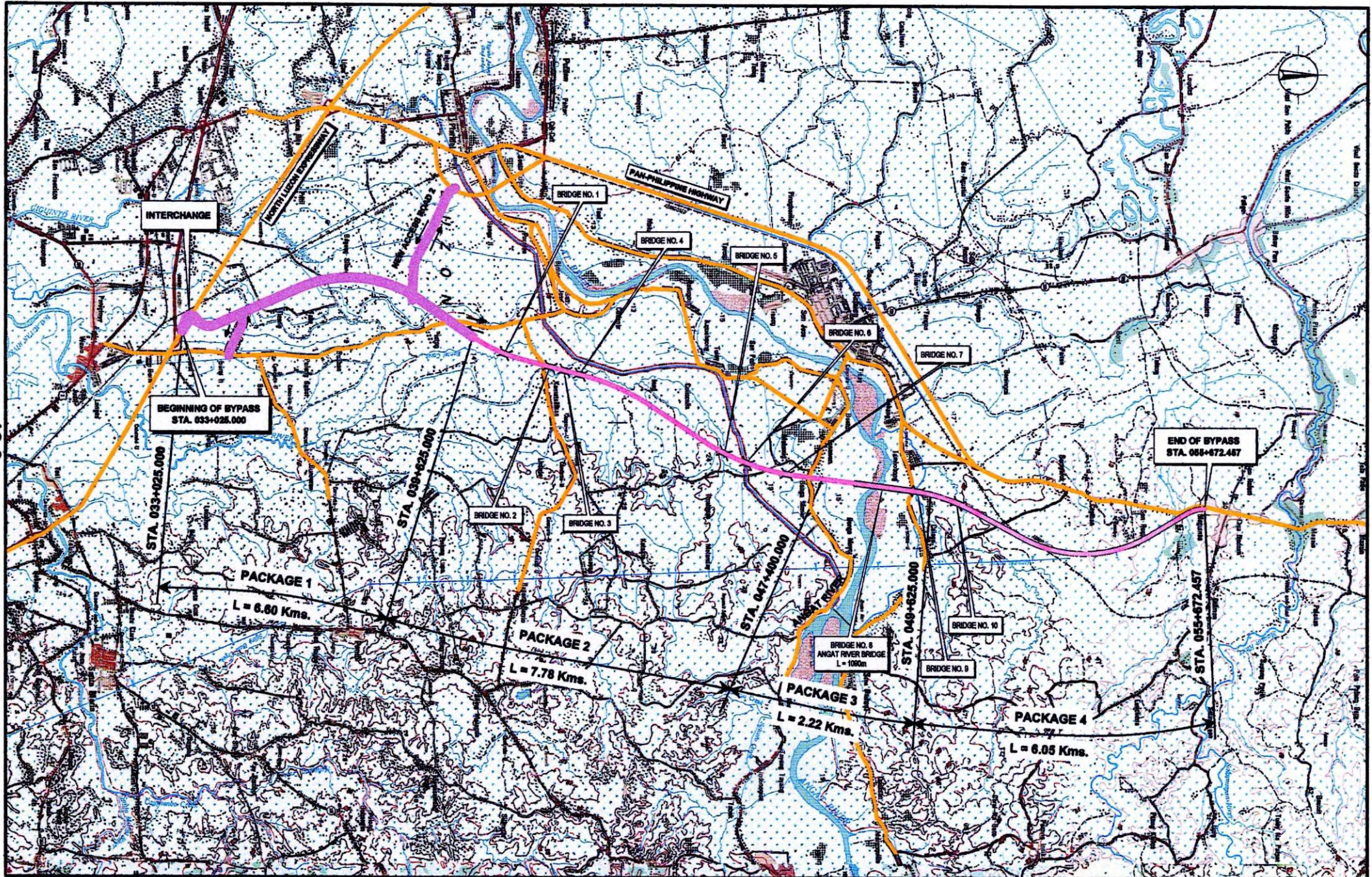


FIGURE 12.2-1 CONTRACT PACKAGES OF PLARIDEL BYPASS

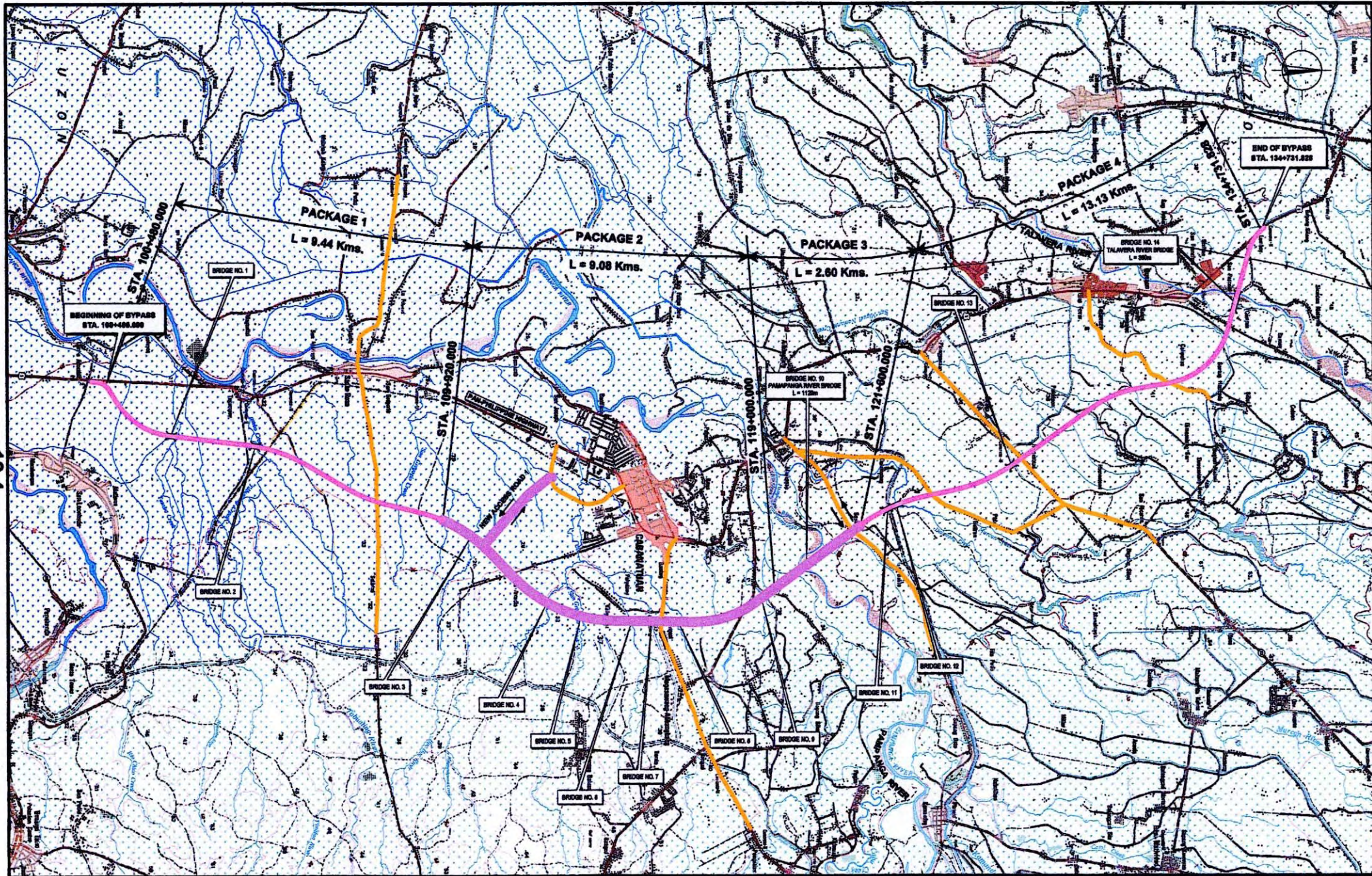


FIGURE 12.2-2 CONTRACT PACKAGES OF CABANATUAN BYPASS