



BILL OF QUANTITIES

NAME OF PROJECT: REHABILITATION OF CONCRETE BRIDGE NEAR NCRDEC AND PINK DORMITORY					
ABC: ₱ 4,109,576.99			Bill of Quantities		
COLLEGE/UNIT/CAMPUS: MAIN CAMPUS					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	Earthworks (Pesos _____ _____ and _____ centavos)				
II	Concrete and Masonry Works (Pesos _____ _____ and _____ centavos)				
III	Carpentry and Miscellaneous Works (Pesos _____ _____ and _____ centavos)				
GRAND TOTAL					_____
Write grand total in words		_____			

Submitted by: _____ Date: _____

Name of Bidder/Bidder's Representative: _____
 (Signature over Printed Name)

Position: _____

Construction Company/Contractor: _____

CAVITSE STATE UNIVERSITY

SCOPE OF WORKS:

A. REHABILITATION OF CONCRETE BRIDGE NEAR NCRDEC AND PINK DORMITORY

1. The project should be finished for 180 calendar days.
2. Actual site inspection is a must to verify existing structure.
3. The area should be cleared/cleaned before and after the construction work. Unusable used formworks, excessive soil fill and all other unwanted debris of construction works should be disposed properly.
4. Cleaning up of site, clearing, hauling and disposal of waste and construction debris. Restoration of any damages shall also be done before exiting the area.

B. Technical Description

I. Earthworks

1. Dismantling of existing slab, side walk and bridge railings.
2. This work includes excavation for concrete pavement.
3. Provide heavy equipment for dismantling, excavation and hauling.

II. Concrete and Masonry Works

A. Cast-in-place concrete

1. Use ready-mix concrete.
2. Concrete works include beams, slab, concrete railings, side walk, gutter and all other concrete components needed to complete the structure.
3. Concrete mix should be 3500 psi at 28 days.
4. Concrete railings should be plastered plain cement finished.
5. Deformed bar to be used shall be grade 40. See plan for the sizes of bar to be used.
6. Provide necessary tools and equipment needed to complete concrete works.
7. Reasonable number of tests on the concrete is required by the implementing agency during the progress of the work. Not less than two (2) cylindrical specimens shall be reserved for the 28th day test. The Contractor shall pay for the cost of material testing.
8. Compression and slump tests shall be made for every batch of concrete. 1 set of tests shall be made from any one batch of concrete and all 3 tests shall be made from the same batch.
9. The contractor shall furnish 2 copies of the manufacturer's certificate of mill tests of all reinforcing steel. The contractor shall at his own expense employ an approved testing laboratory which shall conduct testing of all reinforcement sizes of each bulk under the supervision of the project inspector.

III. Carpentry and Miscellaneous Works

1. Provide necessary form lumber and scaffolding needed for the completion of the project.
2. Provide 8 units 4" weep holes.
3. Apply REFLECTORIZED PAINT for the whole concrete railings and gutter

Note: Color of paint will depend upon the preference of the end-user. Paints and its accessories should be BOYSEN or approved equal.

- A. For color/types of any fixtures or materials to be used on site, consult the end-user and the inspector for approval. Consult the plan and the scope of work for the extent of tasks of the contract. If possible, let the end-user sign your sample as proof of approval.
- B. The plans, detailed drawings and these specifications shall be considered as complementing each other, so that what is mentioned or shown in one, although not mentioned or shown in the other, shall be considered as appearing on both. **In case of conflict between the two, generally, the scope of work prevails.**
- C. Resident site engineer is a must for the projects to be undertaken by the contractor of the university. Safety engineer is a must as per DOLE requirement. **Note: All key personnel should be included in the list of personnel for submission.**
- D. In cases of participation in two or more projects, the set of workers and foreman shall be different per project, however, the set of engineers and equipment may be reused.
- E. Construction safety and health program as well as construction schedule (PERT/CPM/S-Curve) shall be provided by the winning bidder.
- F. All public utilities used by the winning contractor in the construction of the project, such as

- electricity, water, telephone, etc., shall be for the sole account of the contractor.
- G.** See plans/consult the end-user and project inspector for details and extent of work. The silence of specifications, plans, special provisions and supplementary specifications as to any detail, or the apparent omission therein of detailed description or definition of the quality of materials and workmanship shall be regarded to mean that only materials and workmanship of first-class quality are to be used or employed.