

## Appendix D

### Example Project

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<b>Project Type:</b>	Dormitory-Student Housing Project
<b>Facility Uses:</b>	Lodging, food service, meeting rooms, computer facility
<b>Budget:</b>	Approximately \$52 million
<b>Scheduled Completion:</b>	December 2000
<b>Date Scored:</b>	November 11, 1998, 2:40 p.m. – 4:50 p.m.
<b>Objectives of the Meeting:</b>	Define potential problems using the PDRI Define current project status
<b>Methodology:</b>	Individuals evaluated each element Discussed each element as a group Reached a common (consensus) definition level for each element
<b>Project Status:</b>	100% complete with Programming 30% complete with Schematic Design Scoring session took place at the kickoff meeting of the design/build project team — five attendees.
<b>Major Findings/Areas for Further Study:</b>	Problems with site analysis (Category D-project was sited in a flood plain and other site problems); existing facilities not evaluated (C3); confusion over facility capacity (A5); no owner approval process (L2);

**SECTION I — BASIS OF PROJECT DECISION**

CATEGORY Element	Definition Level						Score	
	0	1	2	3	4	5		
<b>A. BUSINESS STRATEGY (Maximum = 214)</b>								
A1. Building Use	0	1	12	23	33	44	1	
A2. Business Justification	0	1	8	14	21	27	8	
A3. Business Plan	0	2	8	14	20	26	2	
A4. Economic Analysis	0	2	6	11	16	21	11	
A5. Facility Requirements	0	2	9	16	23	31	9	
A6. Future Expansion/Alteration Considerations	0	1	7	12	17	22	1	
A7. Site Selection Considerations	0	1	8	15	21	28	8	
A8. Project Objectives Statement	0	1	4	8	11	15	1	
<b>CATEGORY A TOTAL</b>							<b>41</b>	
<b>B. OWNER PHILOSOPHIES (Maximum = 68)</b>								
B1. Reliability Philosophy	0	1	5	10	14	18	5	
B2. Maintenance Philosophy	0	1	5	9	12	16	1	
B3. Operating Philosophy	0	1	5	8	12	15	1	
B4. Design Philosophy	0	1	6	10	14	19	14	
<b>CATEGORY B TOTAL</b>							<b>21</b>	
<b>C. PROJECT REQUIREMENTS (Maximum = 131)</b>								
C1. Value-Analysis Process	0	1	6	10	14	19	1	
C2. Project Design Criteria	0	1	7	13	18	24	18	
C3. Evaluation of Existing Facilities	0	2	7	13	19	24	19	
C4. Scope of Work Overview	0	1	5	9	13	17	5	
C5. Project Schedule	0	2	6	11	15	20	11	
C6. Project Cost Estimate	0	2	8	15	21	27	15	
<b>CATEGORY C TOTAL</b>							<b>69</b>	
<b>Section I Maximum Score = 413</b>							<b>SECTION I TOTAL</b>	<b>131</b>

**Definition Levels**

0 = Not Applicable      2 = Minor Deficiencies      4 = Major Deficiencies  
 1 = Complete Definition      3 = Some Deficiencies      5 = Incomplete or Poor Definition

## SECTION II — BASIS OF DESIGN

CATEGORY Element	Definition Level						Score
	0	1	2	3	4	5	
<b>D. SITE INFORMATION (Maximum = 108)</b>							
D1. Site Layout	0	1	4	7	10	14	4
D2. Site Surveys	0	1	4	8	11	14	14
D3. Civil/Geotechnical Information	0	2	6	10	14	19	19
D4. Governing Regulatory Requirements	0	1	4	8	11	14	4
D5. Environmental Assessment	0	1	5	9	12	16	12
D6. Utility Sources with Supply Conditions	0	1	4	7	10	13	10
D7. Site Life Safety Considerations	0	1	2	4	6	8	2
D8. Special Water and Waste Treatment Req'mts	0	1	3	6	8	11	6
<b>CATEGORY D TOTAL</b>							<b>71</b>
<b>E. BUILDING PROGRAMMING (Maximum = 162)</b>							
E1. Program Statement	0	1	5	9	12	16	1
E2. Building Summary Space List	0	1	6	11	16	21	1
E3. Overall Adjacency Diagrams	0	1	3	6	8	10	1
E4. Stacking Diagrams	0	1	4	7	10	13	1
E5. Growth and Phased Development	0	1	5	8	12	15	1
E6. Circulation and Open Space Requirements	0	1	4	7	10	13	4
E7. Functional Relationship Diagrams/Room by Rm.	0	1	3	5	8	10	1
E8. Loading/Unloading/Storage Facilities Req'mts	0	1	2	4	6	8	1
E9. Transportation Requirements	0	1	3	5	7	9	3
E10. Building Finishes	0	1	5	8	12	15	1
E11. Room Data Sheets	0	1	4	7	10	13	1
E12. Furnishings, Equipment, and Built-Ins	0	1	4	8	11	14	4
E13. Window Treatment	0	0	2	3	4	5	0
<b>CATEGORY E TOTAL</b>							<b>20</b>

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**SECTION II — BASIS OF DESIGN** (continued)

CATEGORY Element	Definition Level						Score	
	0	1	2	3	4	5		
<b>F. BUILDING/PROJECT DESIGN PARAMETERS</b> (Maximum = 122)								
F1. Civil/Site Design	0	1	4	7	11	14	11	
F2. Architectural Design	0	1	7	12	17	22	12	
F3. Structural Design	0	1	5	9	14	18	1	
F4. Mechanical Design	0	2	6	11	15	20	2	
F5. Electrical Design	0	1	5	8	12	15	5	
F6. Building Life Safety Requirements	0	1	3	5	8	10	3	
F7. Constructability Analysis	0	1	4	8	11	14	1	
F8. Technological Sophistication	0	1	3	5	7	9	1	
<b>CATEGORY F TOTAL</b>							<b>36</b>	
<b>G. EQUIPMENT</b> (Maximum = 36)								
G1. Equipment List	0	1	5	8	12	15	1	
G2. Equipment Location Drawings	0	1	3	5	8	10	1	
G3. Equipment Utility Requirements	0	1	4	6	9	11	1	
<b>CATEGORY G TOTAL</b>							<b>3</b>	
<b>Section II Maximum Score = 428</b>							<b>SECTION II TOTAL</b>	<b>130</b>

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**SECTION III — EXECUTION APPROACH**

CATEGORY Element	Definition Level						Score	
	0	1	2	3	4	5		
<b>H. PROCUREMENT STRATEGY (Maximum = 25)</b>								
H1. Identify Long-lead/Critical Equip. and Materials	0	1	4	7	10	14	1	
H2. Procurement Procedures and Plans	0	1	3	6	9	11	1	
<b>CATEGORY H TOTAL</b>							<b>2</b>	
<b>J. DELIVERABLES (Maximum = 11)</b>								
J1. CADD/Model Requirements	0	0	1	2	3	4	1	
J2. Documentation/Deliverables	0	1	2	4	6	7	2	
<b>CATEGORY J TOTAL</b>							<b>3</b>	
<b>K. PROJECT CONTROL (Maximum = 63)</b>								
K1. Project Quality Assurance and Control	0	1	3	4	6	8	1	
K2. Project Cost Control	0	1	4	7	10	13	1	
K3. Project Schedule Control	0	1	4	8	11	14	4	
K4. Risk Management	0	1	6	10	14	18	10	
K5. Safety Procedures	0	1	3	5	7	9	1	
<b>CATEGORY K TOTAL</b>							<b>17</b>	
<b>L. PROJECT EXECUTION PLAN (Maximum = 60)</b>								
L1. Project Organization	0	1	3	5	8	10	5	
L2. Owner Approval Requirements	0	1	4	6	9	11	9	
L3. Project Delivery Method	0	1	5	8	12	15	1	
L4. Design/Construction Plan and Approach	0	1	4	8	11	15	1	
L5. Substantial Completion Requirements	0	1	3	5	7	9	1	
<b>CATEGORY L TOTAL</b>							<b>17</b>	
<b>Section III Maximum Score = 159</b>							<b>SECTION III TOTAL</b>	<b>39</b>
<b>PDRI Maximum Score = 1000</b>							<b>PDRI TOTAL SCORE</b>	<b>300</b>

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