

APPENDIX E

Forms for Weighted-Matrix Delivery Decision Approach (Tier 2)

Appendix E provides the blank matrix and the scoring scale table to be used in Tier 2. This approach is described in detail in Chapter 5. The reader is encouraged to review Appendix F for further discussion on how to weight the pertinent issues. The scoring table can be printed and used in the analysis.

Table E-1. Project Delivery Scoring Scale (adapted from Saaty 1990).

| SCORE | DEFINITION |
|-----------|---|
| 10 | The evidence that the delivery method positively aligns with the project objective or issue is of the highest possible order of affirmation. |
| 8 | The delivery method strongly aligns with the objective or issue and is demonstrated in practice. There is a slight risk that the objective or issue may not be beneficial. |
| 6 | Experience and judgment point to the delivery method strongly aligning with the objective or issue. There is a mild risk that the objective may not be beneficial. |
| 4 | Experience and judgment slightly points to the delivery method aligning with the objective or issue. There is a strong risk that the objective will be negatively affected. |
| 2 | There is little benefit to applying the delivery method for this goal or objective. There is a strong likelihood that the object will not be achieved. |
| 9,7,5,3,1 | Intermediate values between two adjacent judgments. |

Table E-2. Weighted-Matrix Template.

| | | PROJECT DELIVERY METHOD | | | | | | | |
|--------------------|---------------|-------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|
| | | DBB | | CMR | | DB | | DBOM | |
| Selection Factor | Factor Weight | Score | Weighted Score | Score | Weighted Score | Score | Weighted Score | Score | Weighted Score |
| Factor 1 | | | | | | | | | |
| Factor 2 | | | | | | | | | |
| Factor 3 | | | | | | | | | |
| Factor 4 | | | | | | | | | |
| Factor 5 | | | | | | | | | |
| Factor 6 | | | | | | | | | |
| Factor 7 | | | | | | | | | |
| Total Score | 100 | | | | | | | | |