



Cost Estimating and Cost Management Project Elements of Total Project Cost Estimate

Base Estimate Elements

1. Pre-Letting Engineering: Internal—Mn/DOT
2. Pre-Letting Engineering: External—Consultants
3. Construction Engineering: Internal—Mn/DOT
4. Construction Engineering: External—Consultants
5. Project Construction Cost
 - Per Scoping Report (e.g., roads, bridges, approaches, and other structures)
 - Contractor Work (e.g., staking, creation of machine control, landscaping and retaining walls)
6. Detours and Haul Roads
7. Pre-Letting Traffic Management: Enforcement and Incident Mgt
8. Construction Traffic Management: Extraordinary Enforcement and Incident Mgt
9. Pre-Letting Communications/Public Information
10. Construction Communications/Public Information
11. Right of Way
12. Utilities
13. Railroads
14. Municipal/Local Issues
15. Turn-Backs: Before
16. Turn-Backs: After
17. Landscaping
18. Environmental Clean-Up/ Mitigation
19. Incentives (moves to Construction Contingency after Letting)

Contingency

Pre-Letting Contingency:

- Total for Base Estimate Elements

Post-Letting (Construction) Contingency:

- Supplemental Agreements
 - Change Orders
 - Cost Overruns
 - Incentives

Total Project Cost Estimate = Base Estimate + Contingency