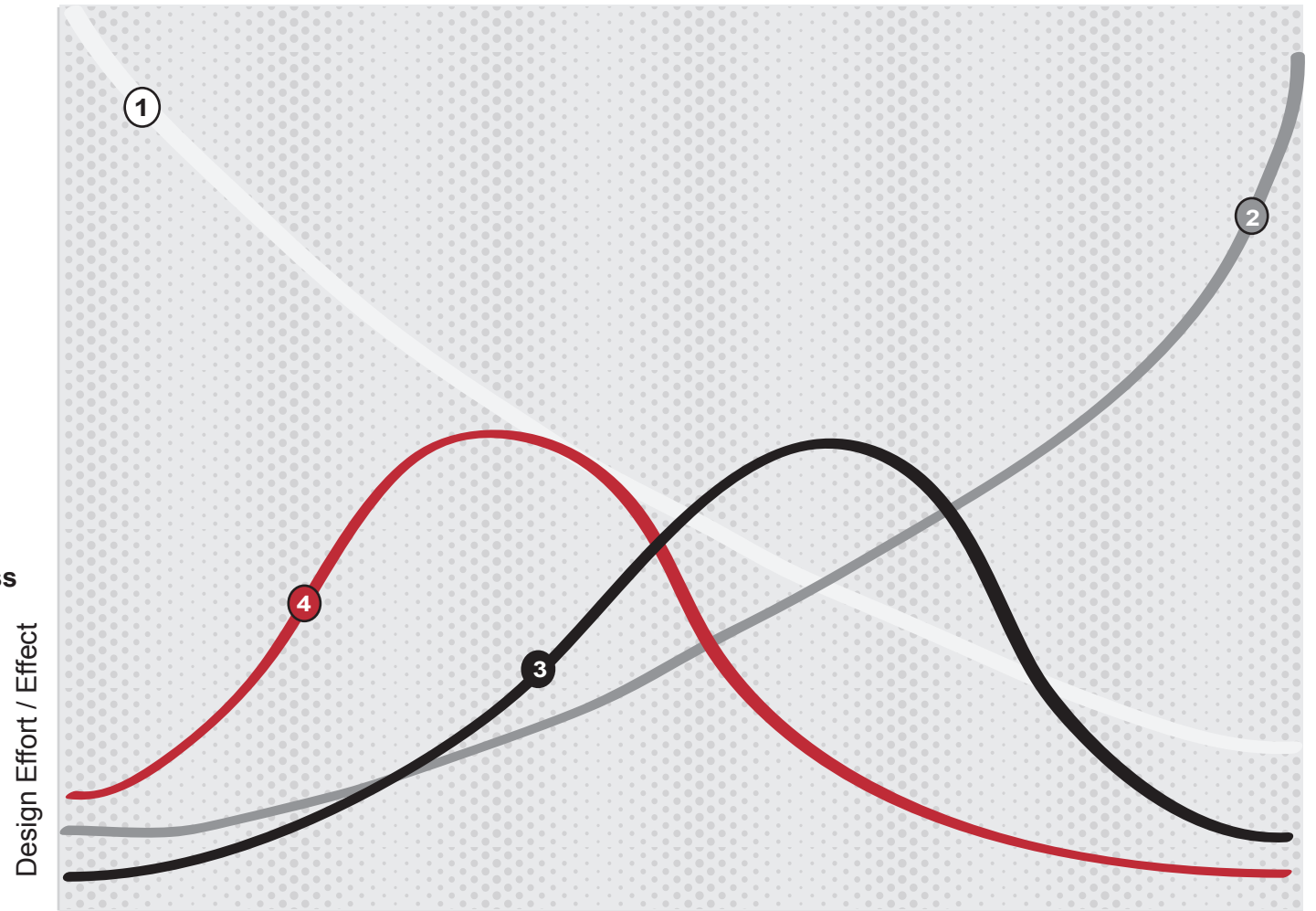


## MacLeamy Curve

Time / Schedule

- ① ability to impact cost and functional capabilities
- ② cost of design changes
- ③ traditional design process
- ④ Integrated Project Delivery Process



traditional

Predesign

Schematic Design

Design Development

Construction Documents

Agency Permit/  
Bidding

Construction

Integrated

Conceptualization

Criteria Design

Detailed Design

Implementation Documents

Agency Coord/  
Final Buyout

Construction

Introduced in the Construction Users Roundtable's "Collaboration, Integrated Information, and the Project Lifecycle in Building Design and Construction and Operation" (WP-1202, August, 2004)", the "MacLeamy Curve" illustrates the advantages of Integrated Project Delivery.