

**Is Reuse Appropriate
for Your Project?**

Advantages

Design Issues

- Time savings
- Owner can visualize project
- Select design that fits educational needs
- Minor adjustments possible
- Equity between sites
- Works well within district

Advantages

Construction Issues

- History of costs known
- Resolution of previous CO's and RFI's
- Consistent project team can improve results
- Reuse on multiple sites

Disadvantages

Design Issues

- May not meet educational needs/standards
- Design may not work on new site
- Site requirements will impact design
- Compatibility with new products/district standards
- Code updates
- Lack of school identity/uniqueness

Disadvantages

Construction Issues

- Previous problems addressed
- Modifications may result in new problems
- Program changes may not fit
- Reuse timing – finish first project first
- New site challenges
- New contractors/subcontractors

Design Considerations

General Design

- Does the design fit the education program?
- Orientation of buildings
- Changes in site topography
- Updated products, materials and equipment
- Changes required
- Mirroring of plans

Design Considerations

Civil Engineering

- Off-site design
- Site configuration may cause changes to street access, parking, hardcourt, and playfields
- Changes to site drainage
- Storm water regulations

Design Considerations

Structural Systems

- Changes to soils conditions
- Changes to seismic zones
- Changes to snow loads
- Economics of structural system

Design Considerations

Mechanical Systems

- New energy calculations may be required
- More efficient systems may be desired
- Changes in available utilities
- New products and equipment
- Impact of change in space usage

Design Considerations

Electrical Systems

- Orientation - daylighting
- More efficient systems
- Changes in loads
- Available service
- New products and equipment
- Technology

Recommendations

- Reuse within a district works best
- Evaluate designs for educational adequacy
- Keep changes to a minimum
- Use the same design team
- Elementary schools work best
Middle schools more difficult
High schools most difficult
- Review reuse project with DSA early
- Constructability review
