# Replacement of the Middlesex Therapeutic Community Residence

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March 18, 2021





# Impacts of Phased Construction

#### **Design and Construction**

- Higher complexity
- Longer overall construction duration
- Higher overall cost
- Risk of scope creep
- Greater risk of damage to existing infrastructure
- Decreased efficiency

#### **Continuity of Services**

- Disruption to DMH operations and residents
- Challenges with onsite logistics
- Additional health and safety measures



| Alternative                        | 16 Beds      | 16 Beds       | 8 Beds       |
|------------------------------------|--------------|---------------|--------------|
| Delivery Method                    | Typical      | Phased        | Typical      |
| Schedule (design and construction) | 22 months    | 36 months+(*) | 25 months    |
| Cost                               | \$16,100,000 | \$23,100,000  | \$14,700,000 |
| Cost Per Bed                       | \$1,006,250  | \$1,443,750   | \$1,837,500  |

(\*) 36-month duration for design and construction plus the duration between phases

## Alternatives Analysis



### Recommended Alternative

#### 16 beds with the typical delivery method:

- Most cost effective
- Shortest project duration
- Eliminates disruption to DMH operations and residents

