CRINKLE COMMONS
Group: Adjacent to Park

- Title for Design Concept: **Crinkle Commons**
- Brief Description of the Design Concept:
  - For restaurants adjacent to a public park, Crinkle Commons is a new idea for temporary restaurant dining in a public park setting. An assumption is that the restaurant is adjacent to the park, ideally centered on an interpark sidewalk to allow for ADA accessibility with limited cost. The design centers on a zigzag wall that provides shelter from Colorado’s cold winter winds and freezing temperatures. To provide separation between each dining space the zigzag wall is augmented by additional panels as well as independent roofs to protect from precipitation. The multi-color palette is reminiscent of the vibrant and diverse community that we celebrate here in Colorado each and every day. Local electric radiant heaters and solar powered lighting will provide economical heating and lighting to each dining space. The heaters can simply be turned off between customers to save power (power availability will have to be assessed on a case-by-case basis). Most of the materials can be readily recycled or reused when the temporary dining space is closed. Perhaps the structure(s) could be kept intact and donated to a local organization that combats homelessness. Please refer to the following illustrations.

- List of Design Concept-specific Materials to be Used:
  - Concrete (post foundations)
  - Steel or wood posts
  - 2x4 framing
  - Panel materials:
    - Frosted/translucent plastic (acrylic or polycarbonate)
    - Chalkboard
    - Wood slats
    - Plywood (for painted panels)
  - Paint
  - Standalone commercially available heating devices and furniture

- Budget Range for the Design-to-Build Costs Associated with Design Concept
  - Final PDF attached?

- Budget Range for the Design-to-Build Operating/Maintenance Associated with Design Concept
  - This concept is intended to be low-maintenance and durable. Park space owners may have specific requirements on removing the posts and restoring the area to its original condition.
## Panel Budget - Plexi Glass

### First Cost of First Unit

<table>
<thead>
<tr>
<th>Foundations / Excavation</th>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>8 bags</td>
<td></td>
<td></td>
<td>$3</td>
<td>$24</td>
<td></td>
</tr>
<tr>
<td>Excavation</td>
<td>1 rental</td>
<td></td>
<td></td>
<td>$200</td>
<td>$200</td>
<td>Rental of Auger</td>
</tr>
<tr>
<td>Labor</td>
<td>8 hours</td>
<td></td>
<td></td>
<td>$70</td>
<td>$560</td>
<td></td>
</tr>
</tbody>
</table>

**Panel Posts**

- Steel/Wood (8')
  - 4 Per
  - $25
  - $100
  - Steel/ Wood 8' tall

**Panels**

- 2x4 Frame
  - 20 each
  - $6
  - $120
  - 10 per with 12' long and 8' tall
- Panel Material
  - 4 each
  - $250
  - $1,000
  - Figuring a frosted panel
- Paint
  - 1 gal
  - $60
  - $60
- Labor
  - 12 hours
  - $70
  - $840

**Total**

- $2,904

### Add Additional Units

**Back to Back Unit**

<table>
<thead>
<tr>
<th>Foundations / Excavation</th>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>4 bags</td>
<td></td>
<td></td>
<td>$3</td>
<td>$12</td>
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</tr>
<tr>
<td>Excavation</td>
<td>0 rental</td>
<td></td>
<td></td>
<td>$-</td>
<td>$-</td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td>4 hours</td>
<td></td>
<td></td>
<td>$70</td>
<td>$280</td>
<td></td>
</tr>
</tbody>
</table>

**Panel Posts**

- Steel/Wood (8')
  - 2 per
  - $25
  - $50

**Panels**

- 2x4 Frame
  - 10 each
  - $6
  - $60
- Panel Material
  - 2 each
  - $250
  - $500
- Paint
  - 1 gal
  - $60
  - $60
- Labor
  - 6 hours
  - $70
  - $420

**Total**

- $1,382

### Accessories

**Canopy**

<table>
<thead>
<tr>
<th>Foundations / Excavations</th>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>6 bags</td>
<td></td>
<td></td>
<td>$3</td>
<td>$18</td>
<td></td>
</tr>
<tr>
<td>Excavation</td>
<td>0 rental</td>
<td></td>
<td></td>
<td>$-</td>
<td>$-</td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td>4 hours</td>
<td></td>
<td></td>
<td>$70</td>
<td>$280</td>
<td></td>
</tr>
</tbody>
</table>

**Panel Posts**

- Steel/Wood (12')
  - 2 per
  - $30
  - $60

### Roof

<table>
<thead>
<tr>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2x4 Frame</td>
<td>10 each</td>
<td>$6</td>
<td>$60</td>
<td>$60</td>
<td></td>
</tr>
<tr>
<td>Panel Material</td>
<td>2 each</td>
<td>$33</td>
<td>$66</td>
<td>$66</td>
<td></td>
</tr>
<tr>
<td>Paint</td>
<td>1 gal</td>
<td>$60</td>
<td>$60</td>
<td>$60</td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td>6 hours</td>
<td>$70</td>
<td>$420</td>
<td>$420</td>
<td></td>
</tr>
</tbody>
</table>

**Total**

- $964
<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
<th>Cost per Item</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table</td>
<td>1 each</td>
<td>$2,700</td>
<td>$2,700</td>
</tr>
<tr>
<td>Fuel</td>
<td>2 bottles</td>
<td>$25</td>
<td>$50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$2,750</td>
</tr>
<tr>
<td><strong>Maintenance</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propane</td>
<td>2 bottles</td>
<td>$25</td>
<td>$50</td>
</tr>
<tr>
<td></td>
<td>2 week swap</td>
<td>2</td>
<td>$100</td>
</tr>
<tr>
<td></td>
<td>Times per season</td>
<td>3</td>
<td>$300</td>
</tr>
</tbody>
</table>
## Panel Budget - Chaulk Board

### First Cost of First Unit

#### Foundations / Excavation

<table>
<thead>
<tr>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>8</td>
<td>bags</td>
<td>$3</td>
<td>$24</td>
<td></td>
</tr>
<tr>
<td>Excavation</td>
<td>1</td>
<td>rental</td>
<td>$200</td>
<td>$200</td>
<td>Rental of Auger</td>
</tr>
<tr>
<td>Labor</td>
<td>8</td>
<td>hours</td>
<td>$70</td>
<td>$560</td>
<td></td>
</tr>
</tbody>
</table>

#### Panel Posts

- Steel/Wood (8')
  - QTY: 4 Per
  - Unit: $25
  - Total: $100
  - Notes: Steel/ Wood 8' tall

#### Panels

- 2x4 Frame
  - QTY: 20 each
  - Unit: $6
  - Total: $120
  - Notes: 10 per with 12' long and 8' tall

- Panel Material
  - QTY: 4 each
  - Unit: $80
  - Total: $320
  - Notes: Figuring a Chaulk Board Material

- Paint
  - QTY: 1 gal
  - Unit: $60
  - Total: $60

- Labor
  - QTY: 12 hours
  - Unit: $70
  - Total: $840

**Total:** $2,224

### Add Additional Units

#### Back to Back Unit

#### Foundations / Excavation

- Concrete
  - QTY: 4 bags
  - Unit: $3
  - Total: $12

- Excavation
  - QTY: 0 rental
  - Unit: $-
  - Total: $-

- Labor
  - QTY: 4 hours
  - Unit: $70
  - Total: $280

#### Panel Posts

- Steel/Wood (8')
  - QTY: 2 per
  - Unit: $25
  - Total: $50

#### Panels

- 2x4 Frame
  - QTY: 10 each
  - Unit: $6
  - Total: $60

- Panel Material
  - QTY: 2 each
  - Unit: $80
  - Total: $160

- Paint
  - QTY: 1 gal
  - Unit: $60
  - Total: $60

- Labor
  - QTY: 6 hours
  - Unit: $70
  - Total: $420

**Total:** $1,042

### Accessories

#### Canopy

#### Foundations / Excavations

- Concrete
  - QTY: 6 bags
  - Unit: $3
  - Total: $18

- Excavation
  - QTY: 0 rental
  - Unit: $-
  - Total: $-

- Labor
  - QTY: 4 hours
  - Unit: $70
  - Total: $280

#### Panel Posts

- Steel/Wood (12')
  - QTY: 2 per
  - Unit: $30
  - Total: $60

### Roof

- 2x4 Frame
  - QTY: 10 each
  - Unit: $6
  - Total: $60

- Panel Material
  - QTY: 2 each
  - Unit: $33
  - Total: $66

- Paint
  - QTY: 1 gal
  - Unit: $60
  - Total: $60

- Labor
  - QTY: 6 hours
  - Unit: $70
  - Total: $420

**Total:** $964
<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
<th>Quantity</th>
<th>Cost</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table</td>
<td>1 each</td>
<td>$2,700</td>
<td>$2,700</td>
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</tr>
<tr>
<td>Fuel</td>
<td>2 bottles</td>
<td>$25</td>
<td>$50</td>
<td>$2,750</td>
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</tbody>
</table>

**Maintenance**

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
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<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Propane</td>
<td>2 bottles</td>
<td>$25</td>
<td>$50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 week swap</td>
<td>2</td>
<td>$100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Times per season</td>
<td>3</td>
<td>$300</td>
<td></td>
</tr>
</tbody>
</table>
## Panel Budget - Wood Slats

### First Cost of First Unit

#### Foundations / Excavation

<table>
<thead>
<tr>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>8</td>
<td>bags</td>
<td>$3</td>
<td>$24</td>
</tr>
<tr>
<td>Excavation</td>
<td>1</td>
<td>rental</td>
<td>$200</td>
<td>$200</td>
</tr>
<tr>
<td>Labor</td>
<td>8</td>
<td>hours</td>
<td>$70</td>
<td>$560</td>
</tr>
</tbody>
</table>

**Notes:**
- Rental of Auger

#### Panel Posts

- **Steel/Wood (8')**
  - QTY: 4 Per
  - Cost: $25
  - Total: $100
  - Notes: Steel/ Wood 8' tall

#### Panels

- **2x4 Frame**
  - QTY: 20 each
  - Cost: $6
  - Total: $120
  - Notes: 10 per with 12' long and 8' tall
- **Panel Material**
  - QTY: 40 each
  - Cost: $3
  - Total: $120
  - Notes: Figuring a Slat Panel
- **Paint**
  - QTY: 1 gal
  - Cost: $60
  - Total: $60
- **Labor**
  - QTY: 12 hours
  - Cost: $70
  - Total: $840

**Total:** $2,024

### Add Additional Units

#### Back to Back Unit

#### Foundations / Excavation

<table>
<thead>
<tr>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>4</td>
<td>bags</td>
<td>$3</td>
<td>$12</td>
</tr>
<tr>
<td>Excavation</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td>4</td>
<td>hours</td>
<td>$70</td>
<td>$280</td>
</tr>
</tbody>
</table>

**Notes:**
- Rental of Auger

#### Panel Posts

- **Steel/Wood (8')**
  - QTY: 2 per
  - Cost: $25
  - Total: $50

#### Panels

- **2x4 Frame**
  - QTY: 10 each
  - Cost: $6
  - Total: $60
- **Panel Material**
  - QTY: 20 each
  - Cost: $3
  - Total: $60
- **Paint**
  - QTY: 1 gal
  - Cost: $60
  - Total: $60
- **Labor**
  - QTY: 6 hours
  - Cost: $70
  - Total: $420

**Total:** $942

### Accessories

#### Canopy

#### Foundations / Excavations

<table>
<thead>
<tr>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>6</td>
<td>bags</td>
<td>$3</td>
<td>$18</td>
</tr>
<tr>
<td>Excavation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td>4</td>
<td>hours</td>
<td>$70</td>
<td>$280</td>
</tr>
</tbody>
</table>

**Notes:**
- Rental of Auger

#### Panel Posts

- **Steel/Wood (12')**
  - QTY: 2 per
  - Cost: $30
  - Total: $60

#### Roof

<table>
<thead>
<tr>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2x4 Frame</td>
<td>10</td>
<td>each</td>
<td>$6</td>
<td>$60</td>
</tr>
<tr>
<td>Panel Material</td>
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<td>$33</td>
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<tr>
<td>Paint</td>
<td>1</td>
<td>gal</td>
<td>$60</td>
<td>$60</td>
</tr>
<tr>
<td>Labor</td>
<td>6</td>
<td>hours</td>
<td>$70</td>
<td>$420</td>
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**Total:** $964
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Quantity</th>
<th>Cost 1</th>
<th>Cost 2</th>
<th>Total</th>
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<td></td>
<td></td>
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<tr>
<td>Table</td>
<td>1 each</td>
<td>$2,700</td>
<td>$2,700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td>2 bottles</td>
<td>$25</td>
<td>$50</td>
<td></td>
<td>$2,750</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Maintenance</strong></td>
<td>Propane</td>
<td>2 bottles</td>
<td>$25</td>
<td>$50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 week swap</td>
<td>2</td>
<td>$100</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Times per season</td>
<td>3</td>
<td>$300</td>
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</tbody>
</table>
## Panel Budget - Roof Panels

### First Cost of First Unit

<table>
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<tr>
<th>Foundations / Excavation</th>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>Concrete</td>
<td>8 bags</td>
<td>$3</td>
<td>$12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excavation</td>
<td>1 rental</td>
<td>$200</td>
<td>$200</td>
<td></td>
<td></td>
<td>Rental of Auger</td>
</tr>
<tr>
<td>Labor</td>
<td>8 hours</td>
<td>$70</td>
<td>$560</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Panel Posts

- **Steel/Wood (8')**: 4 Per $25 $100 Steel/Wood 8' tall

### Panels

- **2x4 Frame**: 20 each $6 $120 10 per with 12' long and 8' tall
- **Panel Material**: 4 each $33 $132 Figuring a Translucent Panel
- **Paint**: 1 gal $60 $60
- **Labor**: 12 hours $70 $840

**Total**: $2,036

### Add Additional Units

#### Back to Back Unit

<table>
<thead>
<tr>
<th>Foundations / Excavation</th>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>4 bags</td>
<td>$3</td>
<td>$12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excavation</td>
<td>0 rental</td>
<td>$-</td>
<td>$-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td>4 hours</td>
<td>$70</td>
<td>$280</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Panel Posts

- **Steel/Wood (8')**: 2 per $25 $50

### Panels

- **2x4 Frame**: 10 each $6 $60
- **Panel Material**: 2 each $33 $66
- **Paint**: 1 gal $60 $60
- **Labor**: 6 hours $70 $420

**Total**: $948

### Accessories

#### Canopy

<table>
<thead>
<tr>
<th>Foundations / Excavations</th>
<th>Material</th>
<th>QTY</th>
<th>Unit</th>
<th>Cost per</th>
<th>Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>6 bags</td>
<td>$3</td>
<td>$18</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excavation</td>
<td>0 rental</td>
<td>$-</td>
<td>$-</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Labor</td>
<td>4 hours</td>
<td>$70</td>
<td>$280</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Panel Posts

- **Steel/Wood (12')**: 2 per $30 $60

### Roof

- **2x4 Frame**: 10 each $6 $60
- **Panel Material**: 2 each $33 $66
- **Paint**: 1 gal $60 $60
- **Labor**: 6 hours $70 $420

**Total**: $964
### Headed Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Cost 1</th>
<th>Cost 2</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table</strong></td>
<td>1 each</td>
<td>$2,700</td>
<td>$2,700</td>
<td></td>
</tr>
<tr>
<td><strong>Fuel</strong></td>
<td>2 bottles</td>
<td>$25</td>
<td>$50</td>
<td>$2,750</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Maintenance

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Cost 1</th>
<th>Cost 2</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Propane</strong></td>
<td>2 bottles</td>
<td>$25</td>
<td>$50</td>
<td></td>
</tr>
<tr>
<td>2 week swap</td>
<td>2</td>
<td>$100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Times per season</td>
<td>3</td>
<td>$300</td>
<td></td>
<td></td>
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</tbody>
</table>