Achieving 21st Century Project Outcomes using AWP

An Industry Panel Discussion

Mike Pappas, CII; Martin Swaine, Shell UK; Antonio Monteiro, Worley Parsons; Rick Dunlap, BrandSafway
Introducing the Topic

• How does AWP improve project delivery?
• What does it take to successfully implement AWP?
Format

• Welcome and Introductions
• Moderator questions to panel
• Q&A
• Closing question
Introducing Today’s Panelists & Facilitator

Mike Pappas  
Associate Director  
CII

Martin Swaine  
4D/5D Global Delivery Manager  
Shell UK

Antonio Romero-Monteiro  
VP of Project Delivery Maintenance & Turnarounds  
Worley

Rick Dunlap  
VP Technical Services  
BrandSafway
How does AWP improve project delivery?
Advanced Work Packaging (AWP) vs. Workface Planning (WFP)
What methods do you use to reduce project delivery risk?

Join at

slido.com

#awplondon
What are your projects’ biggest challenges?

Join at

slido.com

#awplondon
- Ad hoc process...
- Flat files...
- Siloed planning efforts

**Typical**

10 Scaffolds in an area....

<table>
<thead>
<tr>
<th>Item</th>
<th>%</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool Time</td>
<td>50%</td>
<td>75.0</td>
</tr>
<tr>
<td>Travel</td>
<td>10%</td>
<td>15.0</td>
</tr>
<tr>
<td>Logistics</td>
<td>20%</td>
<td>30.0</td>
</tr>
<tr>
<td>Safety</td>
<td>10%</td>
<td>15.0</td>
</tr>
<tr>
<td>All Other</td>
<td>10%</td>
<td>15.0</td>
</tr>
<tr>
<td><strong>Total Time</strong></td>
<td><strong>100%</strong></td>
<td><strong>150.0</strong></td>
</tr>
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</table>

**WFP Approach**

5 Scaffolds optimized...

<table>
<thead>
<tr>
<th>Item</th>
<th>%</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>Tool Time</td>
<td>65%</td>
<td>73.1</td>
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<tr>
<td>Travel</td>
<td>8%</td>
<td>9.0</td>
</tr>
<tr>
<td>Logistics</td>
<td>15%</td>
<td>16.9</td>
</tr>
<tr>
<td>Safety</td>
<td>7%</td>
<td>7.9</td>
</tr>
<tr>
<td>All Other</td>
<td>5%</td>
<td>5.6</td>
</tr>
<tr>
<td><strong>Total Time</strong></td>
<td><strong>100%</strong></td>
<td><strong>112.5</strong></td>
</tr>
</tbody>
</table>

**Perfect Job**

3 Scaffolds...perfect alignment

<table>
<thead>
<tr>
<th>Item</th>
<th>%</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool Time</td>
<td>75%</td>
<td>67.5</td>
</tr>
<tr>
<td>Travel</td>
<td>5%</td>
<td>4.5</td>
</tr>
<tr>
<td>Logistics</td>
<td>10%</td>
<td>9.0</td>
</tr>
<tr>
<td>Safety</td>
<td>5%</td>
<td>4.5</td>
</tr>
<tr>
<td>All Other</td>
<td>5%</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total Time</strong></td>
<td><strong>100%</strong></td>
<td><strong>90.0</strong></td>
</tr>
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</table>

- Consistent AWP/WFP processes
- Capable access provider
- 3D space, models, BIM

- Zero waste
- Perfect alignment
- Perfect timing

- Ad hoc process...
- Flat files...
- Siloed planning efforts

**Activity by Activity**

Hrs. Each 15
Scaffolds 10
Ttl Hrs. 150

**WFP Approach**

Hrs. Each 22.5
Scaffolds 5
Ttl Hrs. 112.5

- Consistent AWP/WFP processes
- Capable access provider
- 3D space, models, BIM

- Zero waste
- Perfect alignment
- Perfect timing

- Ad hoc process...
- Flat files...
- Siloed planning efforts

**Perfect Job**

Hrs. Each 30
Scaffolds 3
Ttl Hrs. 90

- Consistent AWP/WFP processes
- Capable access provider
- 3D space, models, BIM

- Zero waste
- Perfect alignment
- Perfect timing

- Ad hoc process...
- Flat files...
- Siloed planning efforts
What does it take to successfully implement AWP?
Q & A

Question and Answer Period
Thank You!