Project Delivery Outlook

ODOT / AGC Annual Conference

David Kim
Statewide Project Delivery Manager

February 21, 2020
Average $340 M last three years

OTIA III peak

ARRA peak

JTA peak

$325,590,000 projected

OTIA III – Oregon Transportation Investment Act III (State)
ARRA – American Resource and Recovery Act 2009 (Federal)
JTA – Jobs in Transportation Act (State)
Contract Volumes

Based on 12-Month Contractor’s Schedule of Contract Lettings & Updated 2018-2021 STIP
As of February 2020

72 ODOT Projects Bidding
Forecasted Contract Value
$308 Million
## Forecasted ODOT Construction 2020 - 2023*

*Federal Fiscal Year (Oct 1 – Sep 30)

**Many are multiyear projects

Excluded:
47 local projects not included ➔ $113 million
ADA ramps ➔ $50 million contract value

### 2020 – 2023 Forecast ODOT Contract Volumes

<table>
<thead>
<tr>
<th>Year</th>
<th># of Projects</th>
<th>STIP Construction</th>
<th>Contract Value</th>
<th>Contract Payments**</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>72</td>
<td>$363M</td>
<td>$308M</td>
<td>$452M</td>
</tr>
<tr>
<td>2021</td>
<td>125</td>
<td>$814M</td>
<td>$692M</td>
<td>$585M</td>
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<tr>
<td>2022</td>
<td>50</td>
<td>$364M</td>
<td>$310M</td>
<td>$381M</td>
</tr>
<tr>
<td>2023</td>
<td>55</td>
<td>$268M</td>
<td>$228M</td>
<td>$330M</td>
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<tr>
<td>Totals</td>
<td>302</td>
<td>$1.81B</td>
<td>$1.54B</td>
<td>$437M / Year</td>
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</table>
# Highway Construction Breakdown

<table>
<thead>
<tr>
<th>Projects</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
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<tbody>
<tr>
<td>Bridge</td>
<td>$89 million</td>
<td>$225 million</td>
<td>$85 million</td>
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<tr>
<td>Preservation</td>
<td>$158 million</td>
<td>$234 million</td>
<td>$71 million</td>
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<tr>
<td>Enhance and Modernization</td>
<td>$22 million</td>
<td>$208 million</td>
<td>$26 million</td>
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</tbody>
</table>

- Total 2020: $269 million
- Total 2021: $667 million
- Total 2022: $182 million
Notable Projects for 2021

Large projects in 2021 projects include:

• Region 1: OR217: OR10 - OR99W (~$100+ million)
• Region 2: I-5: Aurora-Donald interchange, Phase 1 (~$35 million)
• Region 2: OR34: Van Buren Bridge (Corvallis) (~$60 million)
• Region 3: I-5: Garden Valley Blvd - Roberts Creek (~$20 million)
• Region 4: US97: Lower Bridge Way - NW 10th St (Terrebonne) (~$15 million)
• Region 5: I-84: Meacham-Kamela paving & Umatilla County signals (~$50 million)
Strengthening Project Delivery for Construction

Quality
- ODOT Quality Management
  - Quality
  - Risk Analysis
  - Change Order Analysis
  - Constructability Reviews

New Programs
- Construction to Design Feedback

New Technology
- AASHTOWare Doc Express

New Tools
- Portfolio Management
Construction to Design Feedback

Advertisement Period
• Request for Information / Letters of Clarification
• Bid Addenda / Postponements

Contract Administration
• Contract Change Orders
• Contractor Proposals / Value Engineering
• Constructability

Construction Closeout
• Claims
• Errors and Omissions
• Post Construction Narratives
Project Delivery and Contracting Options

- Design-Bid-Build
- A+B
- A+ Multi-Parameter
- CM/GC
- Design-Build
Alternative Project Delivery

**Design-Bid-Build**
- Agency
  - Engineer of Record
  - General Contractor
  - Vendor
  - Subcontractor

**Design-Build**
- Agency
  - Design-Build
  - Vendor
  - Subcontractor

**CM/GC**
- Agency
  - Program Manager (Optional)
  - Independent Cost Estimator
  - Engineer of Record
  - Construction Manager/General Contractor
  - Vendor
  - Subcontractor

**Multi-parameter (Price + Time or Price + C + D)**

1. **Design**
   - Price + Time
2. **Bid**
3. **Construction**
Technology

ODOT’s Baseline databases & workflow

AASHTO
Ware
Project
Bids

Info Tech
Mobile
Inspector

Info Tech
Field
Interviewer
ProjectWise Utilization

ODOT ProjectWise Users

ODOT ProjectWise Documents
Doc Express

- 57 **different** prime contractors
- 41 consultants + FHWA
- 455 ODOT staff and which includes the consultants
Cost Estimating

- Unbalanced bidding (material / mathematical)
- Risk based cost estimating

<table>
<thead>
<tr>
<th>CALL - CONTRACT COUNTY</th>
<th>DESCRIPTION</th>
<th>BIDDER NAME</th>
<th>BID AMOUNT</th>
<th>DIFFERENCE TO NEXT BIDDER</th>
<th>% DIFFERENCE TO NEXT BIDDER</th>
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<tbody>
<tr>
<td>001 - 35380</td>
<td>1-S: SOUTH UMPQUA RIVER (FORDS) AND YUKUN RD BRIDGES PROJECT</td>
<td>AMERICAN CIVIL CONSTRUCTORS WEST COAST LLC</td>
<td>$1,622,000.00</td>
<td>-</td>
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<tr>
<td>DOUGLAS</td>
<td>THE TRUESELL CORPORATION</td>
<td>$1,679,075.15</td>
<td>$57,075.15</td>
<td>3.46%</td>
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<td></td>
<td>HP CIVIL INC</td>
<td>$1,738,793.07</td>
<td>$60,793.07</td>
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<td>RIDGES CONSTRUCTION INC</td>
<td>$1,971,847.93</td>
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<td>CONWAY CONSTRUCTION CO</td>
<td>$2,052,132.75</td>
<td>$90,132.75</td>
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<td>002 - 35382</td>
<td>1-S: BRIDGES OVER LELAND ROAD</td>
<td>LEGACY CONTRACTING INC</td>
<td>$1,040,948.75</td>
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<td>JOSEPHINE</td>
<td>CASCADE CIVIL CORP</td>
<td>$1,050,871.77</td>
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<td>CARTER &amp; COMPANY INC</td>
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<td>OREGON STATE BRIDGE CONSTRUCTION INC</td>
<td>$1,090,095.00</td>
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<td>HP CIVIL INC</td>
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<td>CONWAY CONSTRUCTION CO</td>
<td>$1,145,464.00</td>
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<td>BENF LLC</td>
<td>$1,195,693.00</td>
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<td>4.19%</td>
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<td></td>
<td>STELLAR J CORPORATION</td>
<td>$1,200,730.50</td>
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<td>003 - 35383</td>
<td>OR37 OVER UPRR (COLD SPRINGS) PROJECT</td>
<td>HP CIVIL INC</td>
<td>$1,020,435.00</td>
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<tr>
<td>UMATILLA</td>
<td>STELLAR J CORPORATION</td>
<td>$1,081,683.00</td>
<td>$61,683.00</td>
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<td>OREGON STATE BRIDGE CONSTRUCTION INC</td>
<td>$1,130,797.00</td>
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<td>0.95%</td>
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<td>LEGACY CONTRACTING INC</td>
<td>$1,158,406.00</td>
<td>$28,406.00</td>
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<td>CONWAY CONSTRUCTION CO</td>
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<td>7.57%</td>
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<td></td>
<td>CARTER &amp; COMPANY INC</td>
<td>$1,282,196.63</td>
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<td>WILKISH STANDARD PAVING CO</td>
<td>$1,401,445.70</td>
<td>$20,445.70</td>
<td>1.50%</td>
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<td>RIDGES CONSTRUCTION INC</td>
<td>$1,403,107.25</td>
<td>$1,661.55</td>
<td>0.12%</td>
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</table>
Portfolio Management
2020-2021 ODOT Audits Work Plan

• Project Delivery
  • Addenda
  • Construction Contract Administration
  • Rose Quarter Project
  • Portfolio Management in STIP Project Selection
  • Project Delivery Initiative Implementation

• A&E Contract Development
• HB2017 Implementation
• Civil Rights
Thank You!