VRE OPERATIONS BOARD MEETING
SEPTEMBER 18TH 2020

Storage Capacity Update
STORAGE FACILITIES

- Broad Run Yard
- Ivy City Coach Yard
- L’Enfant Storage Tracks
- New York Ave. Yard

LEGEND
- VRE Routes
- VRE Stations
- Present
- Under Design
- Virginia Corridors of Statewide Significance I-86 / I-95 / I-395
# EXISTING AND FUTURE STORAGE

<table>
<thead>
<tr>
<th>Location</th>
<th>Existing Storage</th>
<th>Planned Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Consists</td>
<td>Locomotives</td>
</tr>
<tr>
<td>Ivy City Coach Yard</td>
<td>12</td>
<td>14</td>
</tr>
<tr>
<td>L'Enfant-North</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>L'Enfant-South</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>New York Ave.</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total Midday Storage</strong></td>
<td>15</td>
<td>17</td>
</tr>
<tr>
<td>Ivy City Coach Yard</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Broad Run</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>Crossroads</td>
<td>8</td>
<td>11</td>
</tr>
<tr>
<td><strong>Total Overnight Storage</strong></td>
<td>13</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>86</td>
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</table>

**Current Revenue Service**

**Near-Term Total Fleet**

## Notes / Assumptions
1. Values shown here account for current storage (not capacity) and future capacity.
2. Planned values shown for Crossroads are for capacity after completion of the LOU Facility project and Near-Term Expansion project.
3. Planned values shown for Broad Run are for capacity after completion of the Broad Run Expansion project.
4. Planned values shown for the NY Ave. MSRF are for capacity after of proposed Stage 2 construction but does not include storage at L'Enfant.
5. Values provided assume no additional locomotives or cab cars in the near-term.
6. Values assume no additional service, only longer (8-car) consists.
7. Storage at L'Enfant North and South is eliminated upon completion of proposed fourth track.
MIDDAY STORAGE – PHASE I

- Accommodates forecast near-term (2030) growth
- Promotes shared use with Amtrak
- Includes storage at four locations
- Schedule
  - Amtrak Design Review Agreement pending
  - Coach Yard Design 2021, Construction 2022
  - NY Ave. Yard Design 2021, Construction 2023-26
  - Property Acquisition 2021-2023
STAGE 1: COACH YARD PHASE 1
STAGE 2: NY AVE. PHASE 1
MIDDAY STORAGE – PHASE 2

- Accommodates forecast long-term growth (beyond 2030)
- Promotes continued shared use with Amtrak
- Includes storage at two locations
- Schedule
  - Property Acquisition 2021-2023 as part of Phase 1
  - Subsequent design and construction dependent on future demands and service
STAGE 3: COACH YARD PHASE 2
STAGE 4: NY AVE. PHASE 2

**LEGEND**
- Existing AMtrak / Yard Track
- Existing CSX Track
- Phase 2 Track Construction
- Access Road
- Clear Point
- Locomotive
- Passenger Car

**VIRGINIA RAILWAY EXPRESS**
### SUMMARY OF MIDDAY STORAGE CAPACITY

<table>
<thead>
<tr>
<th>STAGE</th>
<th>DESCRIPTION</th>
<th>CONSISTS</th>
<th>LOCOMOTIVES</th>
<th>PASSENGER CARS</th>
</tr>
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<tbody>
<tr>
<td>EXISTING</td>
<td>COACH YARD</td>
<td>12</td>
<td>14</td>
<td>77</td>
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<tr>
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<td>L'ENFANT STORAGE TRACK - NORTH</td>
<td>1</td>
<td>1</td>
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<tr>
<td></td>
<td>L'ENFANT STORAGE TRACK - SOUTH</td>
<td>0</td>
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<td>0</td>
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<td></td>
<td><strong>EXISTING TOTAL</strong></td>
<td><strong>13</strong></td>
<td><strong>15</strong></td>
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### STORAGE CAPACITY

<table>
<thead>
<tr>
<th>STAGE</th>
<th>DESCRIPTION</th>
<th>CONSISTS</th>
<th>LOCOMOTIVES</th>
<th>PASSENGER CARS</th>
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<tbody>
<tr>
<td>1</td>
<td>COACH YARD - PHASE 1</td>
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<td>L'ENFANT STORAGE TRACK - NORTH</td>
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<td>L'ENFANT STORAGE TRACK - SOUTH</td>
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<td></td>
<td><strong>STAGE 1 (SHORT-TERM) SUBTOTAL</strong></td>
<td><strong>16</strong></td>
<td><strong>17</strong></td>
<td><strong>121</strong></td>
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<td>2</td>
<td>NYA CONCEPT - PHASE 1</td>
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<td><strong>STAGE 2 (INTERMEDIATE) SUBTOTAL</strong></td>
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<td><strong>STAGE 3 (LONG-TERM) SUBTOTAL</strong></td>
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<td>NYA CONCEPT - PHASE 2</td>
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<td>112</td>
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<td><strong>FUTURE GRAND TOTAL</strong></td>
<td><strong>30</strong></td>
<td><strong>32</strong></td>
<td><strong>236</strong></td>
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CROSSROADS – NEAR-TERM EXPANSION

- Future AEW Building
- Planned Yard Expansion
- Proposed LOU Facility
CROSSROADS – NEAR-TERM EXPANSION

- Accommodates forecast near-term (2030) growth
- Schedule
  - LOU Construction set to begin, complete 2023
  - Real estate acquisition complete
  - Concept Design of expanded yard complete
  - Expansion Prel. Eng. est. complete 2021
- Construction complete prior to delivery of new equipment
- Future AEW Building concept design complete, Preliminary Engineering and Construction not yet funded
BROAD RUN – NEAR-TERM EXPANSION

EXISTING CONDITIONS

- No. Tracks: 8
- Revenue Trains Stored: 5
- Revenue Storage Requirement (Locomotive + Coach): 41
- Storage Capacity (Locomotive + Coach): 74

NEAR-TERM CAPACITY

- No. Tracks: 8
- Revenue Trains Stored: 5
- Revenue Storage Requirement (Locomotive + Coach): 45
- Storage Capacity (Locomotive + Coach): 84
BROAD RUN – NEAR-TERM EXPANSION

- Accommodates forecast near-term (2030) growth
- Preserves opportunities for future expansion of storage capacity
- Schedule
  - Preliminary Engineering complete
  - Real estate acquisition underway
  - Final Design est. complete 2022
  - Construction est. complete 2024
- Construction complete prior to delivery of new equipment
- Final design will be coordinated with Transforming Rail in Virginia service planning