APPENDIX A

Draft Technical Specifications

For

City of Placerville

City Project No.: 40708

PLACERVILLE STATION PHASE II
PARK-N-BUS IMPROVEMENT PLANS

March 2020

The special provisions contained herein have been prepared by or under the direction of the following registered persons and are supplemental to the Caltrans 2018 Standard Specifications.

For Roadway Items:

Daniel Kehrer, RCE 82663
GHD Inc.

Date:

For Landscape Items:

Scott A. Robertson, LLA 4271
GHD Inc.

Date:
SPECIAL NOTICES

- See sections 2 and 3 for contractors' registration requirements.
- The schedules for the submittal of DBE forms have been revised. See section 2-1.33 for the submittal schedules.
- See section 2-1.04 for mandatory prebid meeting requirements.

STANDARD PLANS LIST

The standard plan sheets applicable to this Contract include those listed below. The applicable revised standard plans (RSPs) listed below are included in the project plans.

ABBREVIATIONS, LINES, SYMBOLS, AND LEGEND
A3A Abbreviations (Sheet 1 of 3)
A3B Abbreviations (Sheet 2 of 3)
A3C Abbreviations (Sheet 3 of 3)
A10A Legend - Lines and Symbols (Sheet 1 of 5)
A10B Legend - Lines and Symbols (Sheet 2 of 5)
A10C Legend - Lines and Symbols (Sheet 3 of 5)
A10D Legend - Lines and Symbols (Sheet 4 of 5)
A10E Legend - Lines and Symbols (Sheet 5 of 5)

PAVEMENT MARKERS, TRAFFIC LINES, AND PAVEMENT MARKINGS
A20A Pavement Markers and Traffic Lines - Typical Details
RSP A20B Pavement Markers and Traffic Lines - Typical Details
RSP A20C Pavement Markers and Traffic Lines - Typical Details
RSP A20D Pavement Markers and Traffic Lines - Typical Details
RSP A20E Pavement Markers and Traffic Lines - Typical Detail for Contrast Striping

PAVEMENT MARKINGS
A24A Pavement Markings - Arrows
A24B Pavement Markings - Arrows and Symbols
A24C Pavement Markings - Symbols and Numerals
A24D Pavement Markings - Words
RSP A24E Pavement Markings - Words

EXCAVATION AND BACKFILL
A62A Excavation and Backfill - Miscellaneous Details
A62D Excavation and Backfill - Concrete Pipe Culverts
A62DA Excavation and Backfill - Concrete Pipe Culverts - Indirect Design Method
A62F Excavation and Backfill - Metal and Plastic Culverts

SURVEY MONUMENTS
A74 Survey Monuments

CURBS, DRIVEWAYS, DIKES, CURB RAMPS, AND ACCESSIBLE PARKING
A87A Curbs and Driveways
A87B Hot Mix Asphalt Dikes
A88A  Curb Ramp Details
A88B  Curb Ramp and Island Passageway Details
A90A  Accessible Parking Off-Street

PAVEMENTS
P75  Pavement Edge Treatments - Overlays

DRAINAGE INLETS, PIPE INLETS AND GRATES
D72B  CIP Drainage Inlets - Types G1, G2, G3, G4, G5 and G6
D72C  CIP Drainage Inlets - Types G1, G2, G3, G4, G5 and G6
D72F  CIP Drainage Inlet Notes
D72G  CIP Drainage Inlet Tables
D73B  Precast Drainage Inlets - Types G1, G2, G3, G4, G5 and G6
D73C  Precast Drainage Inlets - Types G1, G2, G3, G4, G5 and G6
D73F  Precast Drainage Inlet Notes
D73G  Precast Drainage Inlet Tables
D74  Drainage Inlet Details
D77A  Grate Details No. 1
D77B  Grate Details No. 2

GUTTER AND INLET DEPRESSIONS
D78A  Gutter Depressions

CONSTRUCTION LOADS ON CULVERTS AND STRUT DETAILS
D88  Construction Loads on Culverts

FLARED END SECTIONS
D94A  Metal and Plastic Flared End Sections
D94B  Concrete Flared End Sections

PIPE COUPLING AND JOINT DETAILS
D97H  Reinforced Concrete Pipe or Non-Reinforced Concrete Pipe - Standard and Positive Joints

TEMPORARY WATER POLLUTION CONTROL
T56  Temporary Water Pollution Control Details (Temporary Fiber Roll)
T57  Temporary Water Pollution Control Details (Temporary Check Dam)
T58  Temporary Water Pollution Control Details (Temporary Construction Entrance)
T61  Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T62  Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T63  Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T64  Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)

ROADSIDE SIGNS
RS1  Roadside Signs - Typical Installation Details No. 1
RS2  Roadside Signs - Wood Post - Typical Installation Details No. 2
RS4  Roadside Signs - Typical Installation Details No. 4
CANCELED STANDARD PLANS LIST

The standard plan sheets listed below are canceled and not applicable to this contract.

<table>
<thead>
<tr>
<th>Plan No.</th>
<th>Date Canceled</th>
</tr>
</thead>
<tbody>
<tr>
<td>P31B</td>
<td>10-18-19</td>
</tr>
<tr>
<td>P32A</td>
<td>10-18-19</td>
</tr>
<tr>
<td>P32B</td>
<td>10-18-19</td>
</tr>
<tr>
<td>C7A</td>
<td>10-19-18</td>
</tr>
<tr>
<td>C7B</td>
<td>10-19-18</td>
</tr>
<tr>
<td>C7C</td>
<td>10-19-18</td>
</tr>
<tr>
<td>D89</td>
<td>10-18-19</td>
</tr>
<tr>
<td>B11-55</td>
<td>04-19-19</td>
</tr>
<tr>
<td>B11-56</td>
<td>10-19-18</td>
</tr>
<tr>
<td>B11-57</td>
<td>10-19-18</td>
</tr>
<tr>
<td>ES-2C</td>
<td>10-19-18</td>
</tr>
</tbody>
</table>

Add to section 1-1.01:

Bid Items and Applicable Sections

<table>
<thead>
<tr>
<th>Item code</th>
<th>Item description</th>
<th>Applicable section</th>
</tr>
</thead>
<tbody>
<tr>
<td>995100</td>
<td>WATER METER CHARGES</td>
<td>5</td>
</tr>
<tr>
<td>130100A</td>
<td>JOB SITE MANAGEMENT</td>
<td>1</td>
</tr>
<tr>
<td>204000A</td>
<td>PLANTING</td>
<td>20</td>
</tr>
<tr>
<td>205000A</td>
<td>IRRIGATION SYSTEM</td>
<td>20</td>
</tr>
<tr>
<td>710000A</td>
<td>REMOVE FIRE HYDRANT</td>
<td>71</td>
</tr>
<tr>
<td>710001A</td>
<td>ABANDON EXISTING WATERLINE</td>
<td>71</td>
</tr>
<tr>
<td>710002A</td>
<td>ABANDON EXISTING SEWER LINE</td>
<td>71</td>
</tr>
<tr>
<td>710003A</td>
<td>ABANDON EXISTING SEWER MANHOLE</td>
<td>71</td>
</tr>
<tr>
<td>710005A</td>
<td>FIRE HYDRANT</td>
<td>71</td>
</tr>
<tr>
<td>710006A</td>
<td>WATER METER</td>
<td>71</td>
</tr>
<tr>
<td>710007A</td>
<td>6&quot; PLASTIC SEWER PIPE (SDR-26)</td>
<td>71</td>
</tr>
<tr>
<td>710008A</td>
<td>12&quot; PLASTIC SEWER PIPE (SDR-26)</td>
<td>71</td>
</tr>
<tr>
<td>710009A</td>
<td>48&quot; SEWER MANHOLE</td>
<td>71</td>
</tr>
<tr>
<td>710010A</td>
<td>60&quot; SEWER MANHOLE</td>
<td>71</td>
</tr>
<tr>
<td>710011A</td>
<td>2&quot; SERVICE LINE (AWWA C901)</td>
<td>71</td>
</tr>
<tr>
<td>710012A</td>
<td>8&quot; DUCTILE IRON PIPE (CLASS 350) (WATERLINE)</td>
<td>71</td>
</tr>
<tr>
<td>750001A</td>
<td>BIKE RACK</td>
<td>75</td>
</tr>
<tr>
<td>750002A</td>
<td>BIKE LOCKERS</td>
<td>75</td>
</tr>
<tr>
<td>770202A</td>
<td>8&quot; DUCTILE IRON PIPE (CLASS 350) (WATERLINE)</td>
<td>77</td>
</tr>
<tr>
<td>840505A</td>
<td>4&quot; THERMOPLASTIC TRAFFIC STRIPE (PARKING STALL)</td>
<td>84</td>
</tr>
</tbody>
</table>

Add to section 1-1.09:

This project is in a freeze-thaw area.
2 BIDDING

Add between the 1st and 2nd paragraphs of section 2-1.06B:
The Department makes the following supplemental project information available:

Supplemental Project Information

<table>
<thead>
<tr>
<th>Means</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Included in the Information Handout</td>
<td>1. Maximum Applied Water Allowance Calculations for New and Rehabilitated Landscapes</td>
</tr>
</tbody>
</table>

3 CONTRACT AWARD AND EXECUTION

Replace the 2nd paragraph of section 3-1.04 with:
If the Department awards the contract, the award is made to the lowest responsible bidder within 60 days after bid opening.

5 CONTROL OF WORK

Add to the end of section 5-1.20A:
During the progress of the work under this Contract, work under the following contracts may be in progress at or near the job site of this Contract:

Coincident or Adjacent Contracts

<table>
<thead>
<tr>
<th>Contract no.</th>
<th>County–Route–Post Mile</th>
<th>Location</th>
<th>Type of work</th>
</tr>
</thead>
<tbody>
<tr>
<td>4E620</td>
<td>03 – US50</td>
<td>Placerville</td>
<td>Safety Improvements</td>
</tr>
</tbody>
</table>

Replace section 5-1.20E of the RSS with:

1.1.1 5-1.20E Water Meter Charges
Section 5-1.20E applies if a bid item for water meter charges is shown on the Bid Item List.
The local water authority is El Dorado Irrigation District.
The local water authority will install the water meters.
The charges are as shown in the following table:

Water Meter Charges

<table>
<thead>
<tr>
<th>Meter size is based on proposed demands</th>
<th>Quantity</th>
<th>Charge per meter ($)</th>
</tr>
</thead>
</table>

The charges by the local water authority include:
1. Furnishing and installing each water meter
2. Connecting to the local water authority's main water line, including any required hot tap or tee
3. Furnishing and installing an extension pipe from the main water line to the water meter
4. Sterilizing the extension pipe

Make arrangements and pay the charges for installation of the water meters.
If the charge is changed at the time of installation, the Department adjusts the lump sum price based on the difference between the specified charges and the changed charges.
Add between the 2nd and 3rd paragraphs of the RSS for section 5-1.36C(3):

Installation of the utilities shown in the following table requires coordination with your activities. Make the necessary arrangements with the utility company through the Engineer and submit a schedule:
1. Verified by a representative of the utility company
2. Allowing at least the time shown for the utility owner to complete its work

### Utility Relocation and Contractor-Arranged Time for the Relocation

<table>
<thead>
<tr>
<th>Utility</th>
<th>Utility address</th>
<th>Location</th>
<th>Working days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>2890 Mosquito Rd, Placerville, CA 95667</td>
<td>Mosquito Road</td>
<td>10</td>
</tr>
<tr>
<td>Sewer</td>
<td>2890 Mosquito Rd, Placerville, CA 95667</td>
<td>Mosquito Road</td>
<td>10</td>
</tr>
</tbody>
</table>

Add to section 6-1:

Prepare and submit a detailed Health and Safety Plan, signed by a CIH, for site personnel that identifies potential health and safety hazards associated with work involving Type PC soil and specifies work practices that will be used to protect workers from those hazards in conformance with 22 CA Code ofRegs and 8 CA Code of Regs. The Health and Safety Plan must:

1. Identify key site safety personnel
2. Describe risks associated with the work,
3. Specify training requirements,
4. Specify appropriate personal protective equipment,
5. Specify site-specific medical surveillance requirements,
6. Specify air monitoring requirements,
7. Define appropriate site work zones and
8. Specify decontamination requirements.

Submit the Health and Safety Plan at least 20 days prior to beginning work for review and acceptance by the Engineer.

No materials are allowed to be stockpiled in the State Right of Way unless a written request is made to Caltrans in advance. The Contractor is responsible for maintaining and final cleaning after work and restoring the Right of Way to its original condition.

The Contractor shall provide a list of all hazardous materials to be used within the State Right of Way to Caltrans before materials are used.

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9 PAYMENT

Add to 9-1.02 MEASUREMENT:

1.2 9-1.02A(1) Payment
Bid items shown in the Engineer's Estimate will be paid for by the unit of measure as listed in the following bid item list.
<table>
<thead>
<tr>
<th>No.</th>
<th>ITEM CODE</th>
<th>ITEM DESCRIPTION</th>
<th>Unit of Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>130100A</td>
<td>Job Site Management</td>
<td>LS</td>
</tr>
<tr>
<td>2</td>
<td>120090</td>
<td>Construction Area Signs (Funding Sign)</td>
<td>LS</td>
</tr>
<tr>
<td>3</td>
<td>120100</td>
<td>Traffic Control System</td>
<td>LS</td>
</tr>
<tr>
<td>4</td>
<td>128652</td>
<td>Portable Changeable Message Sign</td>
<td>LS</td>
</tr>
<tr>
<td>5</td>
<td>130310</td>
<td>Rain Event Action Plan</td>
<td>EA</td>
</tr>
<tr>
<td>6</td>
<td>130320</td>
<td>Storm Water Sampling and Analysis Day</td>
<td>EA</td>
</tr>
<tr>
<td>7</td>
<td>130610</td>
<td>Cobble Rock Check Dam</td>
<td>LF</td>
</tr>
<tr>
<td>8</td>
<td>130620</td>
<td>Temporary Drainage Inlet Protection</td>
<td>EA</td>
</tr>
<tr>
<td>9</td>
<td>130640</td>
<td>Temporary Fiber Roll</td>
<td>LF</td>
</tr>
<tr>
<td>10</td>
<td>130710</td>
<td>Temporary Construction Entrance</td>
<td>EA</td>
</tr>
<tr>
<td>11</td>
<td>131105</td>
<td>Storm Water Annual Report</td>
<td>LS</td>
</tr>
<tr>
<td>12</td>
<td>141120</td>
<td>Treated Wood Waste</td>
<td>LB</td>
</tr>
<tr>
<td>13</td>
<td>146002</td>
<td>Contractor Supplied Biologist</td>
<td>LS</td>
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<tr>
<td>14</td>
<td>170103</td>
<td>Clearing and Grubbing (LS)</td>
<td>LS</td>
</tr>
<tr>
<td>15</td>
<td>190101</td>
<td>Roadway Excavation</td>
<td>CY</td>
</tr>
<tr>
<td>16</td>
<td>200113</td>
<td>Rock Mulch</td>
<td>SQFT</td>
</tr>
<tr>
<td>17</td>
<td>204000A</td>
<td>Planting</td>
<td>LS</td>
</tr>
<tr>
<td>18</td>
<td>206000A</td>
<td>Irrigation System</td>
<td>LS</td>
</tr>
<tr>
<td>19</td>
<td>260203</td>
<td>Class 2 Aggregate Base (CY)</td>
<td>CY</td>
</tr>
<tr>
<td>20</td>
<td>280591</td>
<td>8” Gate Valve</td>
<td>EA</td>
</tr>
<tr>
<td>21</td>
<td>390100</td>
<td>Prime Coat</td>
<td>TON</td>
</tr>
<tr>
<td>22</td>
<td>390132</td>
<td>Hot Mix Asphalt (Type A)</td>
<td>TON</td>
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<tr>
<td>23</td>
<td>394073</td>
<td>Place Hot Mix Asphalt Dike (Type A)</td>
<td>LF</td>
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<tr>
<td>24</td>
<td>397005</td>
<td>Tack Coat</td>
<td>TON</td>
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<tr>
<td>25</td>
<td>398200</td>
<td>Cold Plane Asphalt Concrete Pavement</td>
<td>SQYD</td>
</tr>
<tr>
<td>26</td>
<td>F 510994</td>
<td>Structural Concrete, Drainage Inlet</td>
<td>CY</td>
</tr>
<tr>
<td>27</td>
<td>P 610103</td>
<td>12” Alternative Pipe Culvert</td>
<td>LF</td>
</tr>
<tr>
<td>28</td>
<td>P 610111</td>
<td>21” Alternative Pipe Culvert</td>
<td>LF</td>
</tr>
<tr>
<td>29</td>
<td>F 700617</td>
<td>Drainage Inlet Marker</td>
<td>EA</td>
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<tr>
<td>30</td>
<td>705307</td>
<td>12” Alternative Flared End Section</td>
<td>EA</td>
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<tr>
<td>31</td>
<td>710000A</td>
<td>Remove Fire Hydrant</td>
<td>EA</td>
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<tr>
<td>32</td>
<td>710154</td>
<td>Remove Sewer Manhole</td>
<td>EA</td>
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<tr>
<td>33</td>
<td>710001A</td>
<td>Abandon Existing Waterline</td>
<td>LF</td>
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<td>34</td>
<td>710002A</td>
<td>Abandon Existing Sewer Line</td>
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<td>35</td>
<td>710003A</td>
<td>Abandon Existing Sewer Manhole</td>
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<td>36</td>
<td>710005A</td>
<td>Fire Hydrant</td>
<td>EA</td>
</tr>
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<td>37</td>
<td>710006A</td>
<td>Water Meter</td>
<td>EA</td>
</tr>
<tr>
<td>38</td>
<td>P 710007A</td>
<td>6” Plastic Sewer Pipe (SDR-26)</td>
<td>LF</td>
</tr>
<tr>
<td>39</td>
<td>P 710008A</td>
<td>12” Plastic Sewer Pipe (SR-26)</td>
<td>LF</td>
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<td>No.</td>
<td>ITEM CODE</td>
<td>ITEM DESCRIPTION</td>
<td>Unit of Measure</td>
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<td>-----------</td>
<td>-------------------------------------------------------</td>
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<tr>
<td>40</td>
<td>710009A</td>
<td>48” Sewer Manhole</td>
<td>EA</td>
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<tr>
<td>41</td>
<td>710010A</td>
<td>60” Sewer Manhole</td>
<td>EA</td>
</tr>
<tr>
<td>42</td>
<td>710011A</td>
<td>2” Service Line (AWWA C901)</td>
<td>LF</td>
</tr>
<tr>
<td>43</td>
<td>710012A</td>
<td>8” Ductile Iron Pipe (Class 350) (Waterline)</td>
<td>LF</td>
</tr>
<tr>
<td>44</td>
<td>730020</td>
<td>Minor Concrete (Curb) (CY)</td>
<td>CY</td>
</tr>
<tr>
<td>45</td>
<td>730070</td>
<td>Detectable Warning Surface</td>
<td>SQFT</td>
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<tr>
<td>46</td>
<td>731504</td>
<td>Minor Concrete (Curb and Gutter)</td>
<td>CY</td>
</tr>
<tr>
<td>47</td>
<td>731530</td>
<td>Minor Concrete (Textured Paving)</td>
<td>SQFT</td>
</tr>
<tr>
<td>48</td>
<td>731623</td>
<td>Minor Concrete (Curb Ramp)</td>
<td>CY</td>
</tr>
<tr>
<td>49</td>
<td>731710</td>
<td>Remove Concrete Curb (LF)</td>
<td>LF</td>
</tr>
<tr>
<td>50</td>
<td>731860</td>
<td>Remove Concrete (Curb, Gutter, and Sidewalk) (LF)</td>
<td>LF</td>
</tr>
<tr>
<td>51</td>
<td>P-F</td>
<td>7500001 Miscellaneous Iron and Steel</td>
<td>LB</td>
</tr>
<tr>
<td>52</td>
<td>75001A</td>
<td>Bike Rack</td>
<td>LS</td>
</tr>
<tr>
<td>53</td>
<td>75002A</td>
<td>Bike Lockers</td>
<td>LS</td>
</tr>
<tr>
<td>54</td>
<td>780230</td>
<td>Survey Monument (Type D)</td>
<td>EA</td>
</tr>
<tr>
<td>55</td>
<td>800360</td>
<td>Chain Link Fence (Type CL-6)</td>
<td>LF</td>
</tr>
<tr>
<td>56</td>
<td>803050</td>
<td>Remove Chain Link Fence</td>
<td>LF</td>
</tr>
<tr>
<td>57</td>
<td>820250</td>
<td>Remove Roadside Sign</td>
<td>EA</td>
</tr>
<tr>
<td>58</td>
<td>820590</td>
<td>Relocate Roadside Sign-One Post</td>
<td>EA</td>
</tr>
<tr>
<td>59</td>
<td>820600</td>
<td>Relocate Roadside Sign-Two Post</td>
<td>EA</td>
</tr>
<tr>
<td>60</td>
<td>820750</td>
<td>Furnish Single Sheet Aluminum Sign (0.063”-Unframed)</td>
<td>SQFT</td>
</tr>
<tr>
<td>61</td>
<td>820780</td>
<td>Furnish Single Sheet Aluminum Sign (0.063”-Framed)</td>
<td>SQFT</td>
</tr>
<tr>
<td>62</td>
<td>820840</td>
<td>Roadside Sign – One Post</td>
<td>EA</td>
</tr>
<tr>
<td>63</td>
<td>820850</td>
<td>Roadside Sign – Two Post</td>
<td>EA</td>
</tr>
<tr>
<td>64</td>
<td>840505A</td>
<td>4” Thermoplastic Traffic Stripe (Parking Stall)</td>
<td>LF</td>
</tr>
<tr>
<td>65</td>
<td>840505</td>
<td>6” Thermoplastic Traffic Stripe</td>
<td>LF</td>
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<tr>
<td>66</td>
<td>840506</td>
<td>8” Thermoplastic Traffic Stripe</td>
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<tr>
<td>67</td>
<td>840515</td>
<td>Thermoplastic Pavement Marking</td>
<td>SQFT</td>
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<tr>
<td>68</td>
<td>846030</td>
<td>Remove Thermoplastic Traffic Stripe</td>
<td>LF</td>
</tr>
<tr>
<td>69</td>
<td>P</td>
<td>870800 Pedestrian Hybrid Beacon Systems</td>
<td>EA</td>
</tr>
<tr>
<td>70</td>
<td>872130</td>
<td>Modifying Existing Electrical System</td>
<td>LS</td>
</tr>
<tr>
<td>71</td>
<td>872130</td>
<td>Modifying Existing Electrical System (Directional Drilling)</td>
<td>LS</td>
</tr>
<tr>
<td>72</td>
<td>995100</td>
<td>Water Meter Charges</td>
<td>EA</td>
</tr>
<tr>
<td>73</td>
<td>999990</td>
<td>Mobilization (10%)</td>
<td>LS</td>
</tr>
</tbody>
</table>

**Add to the end of section 9-1.16C:**

The following items are eligible for progress payment even if they are not incorporated into the work:

1. **12” Alternative Pipe Culvert**
2. **21” Alternative Pipe Culvert**
3. **6” Plastic Sewer Pipe (SDR-26)**
4. **12” Plastic Sewer Pipe (SDR-26)**
5. **Miscellaneous Iron and Steel**
6. Pedestrian Hybrid Beacon System

12 TEMPORARY TRAFFIC CONTROL

Add to the beginning of the RSS for section 12-3.32C:
Place PCMSs at the locations shown and in advance of the 1st warning sign for each:

1. Speed reduction zone
2. Construction Area Sign
   - 500' east from the WB Hwy 50 off ramp
   - 500' south from the Mosquito Rd undercrossing

Add between the 9th and 10th paragraphs of the RSS for section 12-3.32C:

Add to section 12-4.01C:
Do not perform work that would require a closure.

Add between the 1st and 2nd paragraphs of section 12-4.04C:
Concurrent pedestrian facility closures on the same side of the highway must be spaced at least 2 blocks apart.
For an intersection with 4 quadrants, close the side serving the 2 quadrants in the same direction of travel.

13 WATER POLLUTION CONTROL

Add to the end of section 13-3.01A:
This project's risk level is 1.

Add between the 4th and 5th paragraphs of section 13-3.01C(2)(a):
The following RWQCBs will review the authorized SWPPP:
1. Central Valley Regional Water Quality Control Board

Replace 13-4.03H with:
The Contractor will supply the City with two (2) Microsoft Surface Pro 7 laptops, or equivalent, with Wifi capabilities, protective cases, and detachable keyboards. The laptops shall, at a minimum, have Microsoft 365, Adobe Acrobat Pro, and Autocad Lite installed. The laptops shall become the property of the City at the end of the construction contract.
14 ENVIRONMENTAL STEWARDSHIP

Add to the end of section 14-11.02D Stockpiling:
Do not stockpile material containing hazardous waste or contamination unless ordered by the Engineer. Place stockpiles on pavement areas. If a pavement area of sufficient size to extend a minimum of 3 ft beyond the edge of the stockpile is not available use a liner under 14-11.02D (1). Stockpiles of material containing hazardous waste or contamination must not be placed where affected by surface run-on or run-off. Cover stockpiles with 12 mils minimum thickness of plastic sheeting. Do not place stockpiles in environmentally sensitive areas. Stockpiled material must not enter storm drains, inlets, or waters of the State.

Add to the end of section 14-11.03 Hazardous Waste Management:
Existing 8” and 12” asbestos cement pipe removals shall conform to the provisions set forth in the detailed Health and Safety Plan described in Section 6.

Add to the 1st paragraph of section 14-11.14A:
Wood removed from roadside signs is treated wood waste.

19 EARTHWORK

Replace the 2nd, 3rd, and 4th paragraphs of section 19-2.03B with:
Dispose of surplus material. Ensure enough material is available to complete the embankments before disposing of it.

20 LANDSCAPE
Add to section 20-2.01B(7):
Remote control valves must be labeled with a polyurethane tag. Attach the tag tightly with a nylon tie to the conductor wire. The tag must be stamped on both sides with the appropriate letters and numbers at least 1 inch high showing the valve’s controller and station.

Add to section 20-2.05B:
Flow sensor cable must be rated 600V and 194 degree F, be UL listed as Type TC, comply with specifications of ICEA/NEMA and:
1. Consist of 2 no. 16 AWG minimum stranded copper conductors. Insulated conductor must be color coded with a PVC or nylon jacket.
2. Include a tinned cooper braid or aluminized polyester film shield. Where the film is used, a no. 18 or larger, stranded or no. 16 solid, tinned, copper drain wire must be placed between the insulated conductors and the shield and in contact with the conductive surface of the shield.
3. Include a black PVC jacket with a minimum nominal thickness of either 50 mils or 48 mils where capacitance of conductors to other conductors and the shield is 87 pF/ft or better. The cable jacket must be marked with the insulation type designation, conductor size, and voltage and temperature ratings.
4. Have an outside diameter of 0.29 to 0.35 inch.
5. Be UV resistant and direct burial type.
6. Have no splices between components except where shown.

Add to section 20-3.01B(3)(a) of the RSS for section 20-3.01B(3):
Soil amendment must comply with the provisions in the Food & Agr Code. Soil amendment must be one or a combination of the following:
1. Sphagnum peat moss
2. Nitrolized fir bark
3. Vermiculie
4. Perlite

Add to section 20-4.01A:
This project has a Type 2 plant establishment period.

Replace the paragraphs in section 20-5.03D(1)(d) with:
Not Used
Add to section 20-5.03D(2)(a):

Replace the paragraph in section 20-5.03D(2)(b) with:

Not Used

Delete the 2nd and 4th paragraphs of section 20-5.03D(3).

Replace the RSS for section 20-5.03E with:

1.2.1 20-5.03E Rock Mulch

1.2.1.1 20-5.03E(1) General

20-5.03E(1)(a) Summary
Section 20-5.03E includes specifications for placing rock mulch.

20-5.03E(1)(b) Definitions
Not Used

20-5.03E(1)(c) Submittals
Submit a 1 sq yd sample with rock of various sizes at least 5 business days before delivery to job site.

20-5.03E(1)(d) Quality Assurance
Not Used

1.2.1.2 20-5.03E(2) Materials
Do not use:
1. Filter fabric
2. Soil sterilant

Rock mulch must be gray and uniform in color.
Rock mulch must be clean, obtained from a single source, and comply with the requirements shown in the following table:

<table>
<thead>
<tr>
<th>Screen size (inches)</th>
<th>Percentage passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>8</td>
<td>20-50</td>
</tr>
<tr>
<td>6</td>
<td>0-20</td>
</tr>
</tbody>
</table>

1.2.1.3 20-5.03E(3) Construction
Place the rock such that no soil areas are exposed. You may use rock with superficial chipping or jagged edges if the rock is placed such that the chipped areas and jagged edges are not visible on the finished surface.

1.2.1.4 20-5.03E(4) Payment
The payment quantity for rock mulch is the area measured parallel to the surface of rock mulch.
DIVISION V  SURFACINGS AND PAVEMENTS
37  BITUMINOUS SEALS

Add to section 37-3.01B(2) of the RSS for section 37:
Aggregate for slurry seal must be Type III.

Add to section 37-6.02B of the RSS for section 37:
Crack treatment material must be Type 4.
Crack treatment must be hot-applied.

Add to section 37-6.03 of the RSS for section 37:
Replace the 2nd sentence of the 8th paragraph of section 37-6.03 of the RSS for section 37 with:
Fill the crack recessed 1/4 inch.

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39  ASPHALT CONCRETE

Replace section 39-2.01C(3)(c) with:

1.2.1.5  39-2.01C(3)(c) Prime Coat
Apply a slow-setting asphaltic emulsion as a prime coat to AB areas designated by the Engineer and at a spread rate from 0.15 to 0.40 gal/sq yd. Do not apply more prime coat than can be absorbed completely by the AB in 24 hours.
You may modify the prime coat application rates if authorized.
Close areas receiving prime coat to traffic. Do not allow tracking the prime coat onto pavement surfaces beyond the job site.

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DIVISION VII  DRAINAGE FACILITIES

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65  CONCRETE PIPE

Replace Reserved in section 65-4 with:

1.3  65-4  21” REINFORCED CONCRETE PIPE (CLASS IV)

1.3.1  65-4.01 General
21” Reinforced Concrete Pipe (Class IV) is to comply with Section 65 of the Standard Specifications.
1.3.1.1 65-4.02 Materials
Not used.

1.3.1.2 65-4.03 Construction
Not used.

1.3.1.3 65-4.04 Payment
Not used.

71 EXISTING DRAINAGE FACILITIES

Replace the 2nd paragraph in section 71-7.01 with:
Salvage the following:
1. Abandon sewer manholes’ lid. Coordinate with City of Placerville Public works for pick-up of salvaged items.

Replace Reserved in section 71-8 with:

1.4 71-8 WATER FACILITIES

1.4.1 71-8.01A General

1.4.1.1 71-8.01A(1) Summary
Section 71-8 includes specifications for constructing, installing, removing, and abandoning water pipes, water valves, fire hydrants, and water meters.
Water facilities must comply with the El Dorado Irrigation District Water, Sewer and Recycled Water Design & Construction Standards, the El Dorado Irrigation District Standard Detail Drawings, and the El Dorado Irrigation District Technical Specifications.

1.4.1.2 71-8.01A(2) Definitions
EID: El Dorado Irrigation District
EDSD: El Dorado Irrigation District Standard Detail Drawings
EDTS: El Dorado Irrigation District Technical Specifications
IDD&C: El Dorado Irrigation District Water, Sewer and Recycled Water Design & Construction Standards.

1.4.1.3 71-8.01A(3) Quality Assurance
Work to be accomplished under the approval, inspection and to the satisfaction of the EID. Revisions to the project drawings must be approved in writing by the EID.
Contractor is responsible for locating and protecting all underground facilities affected by the work and shall contact Underground Service Alert (USA) 48 hours prior to any excavation work for determination and location of underground utilities.
Contractor must schedule a preconstruction conference with EID Inspection five (5) working days in advance of doing work within their jurisdiction. Construction must start no later than five (5) days after the preconstruction conference. The Contractor is to notify EID Inspection 48 hours prior to start or restart of work. Contractor is to have a copy of the IDD&C on the job.
Contractor is responsible for notifying utility customers and companies of any outage 48 hours in advance of distribution in service. Work to be completed in a manner that shutdowns in service do not exceed 4 hours. Customers and providers are to be notified when utility is back in service.
1.4.1.4 71-8.01B Materials  
Materials are to comply with the Water IDD&C, the EDTS, and the EDSD. Water meters are to be ¾ inch positive-displacement meters.

1.4.1.5 71-8.01C Construction  
Constructing, installing, removing, abandoning, and testing must comply with the Water IDD&C, the EDTS and the EDSD. Fire hydrants are to be constructed where shown on the project plans.

1.4.1.6 71-8.01D Payment  
Payment of the water line and appurtenances are to be paid by the unit of measurement as listed in the Engineer’s Estimate. Unit of measurement includes payment for furnishing all labor, tools, equipment, all materials required per the IDD&C, EDTS, and EDSD, and incidentals for doing all the work involved with the bid item.

Replace Reserved in section 71-9 with:

1.5 71-9 SEWER FACILITIES

1.5.1 71-9.01A General

1.5.1.1 71-9.01A(1) Summary
Section 71-9 includes specifications for constructing, installing, removing, and abandoning sewer pipes and sewer manholes. Sewer facilities must comply with the El Dorado Irrigation District Water, Sewer and Recycled Water Design & Construction Standards, the El Dorado Irrigation District Standard Detail Drawings, and the El Dorado Irrigation District Technical Specifications.

1.5.1.2 71-9.01A(2) Definitions
EID: El Dorado Irrigation District  
EDSD: El Dorado Irrigation District Standard Detail Drawings  
EDTS: El Dorado Irrigation District Technical Specifications  
IDD&C: El Dorado Irrigation District Water, Sewer and Recycled Water Design & Construction Standards.

1.5.1.3 71-9.01A(3) Quality Assurance
Work to be accomplished under the approval, inspection and to the satisfaction of the EID. Revisions to the project drawings must be approved in writing by the EID. Contractor is responsible for locating and protecting all underground facilities affected by the work and shall contact Underground Service Alert (USA) 48 hours prior to any excavation work for determination and location of underground utilities. Contractor must schedule a preconstruction conference with EID Inspection five (5) working days in advance of doing work within their jurisdiction. Construction must start no later than five (5) days after the preconstruction conference. The Contractor is to notify EID Inspection 48 hours prior to start or restart of work. Contractor is to have a copy of the IDD&C on the job.

1.5.1.4 71-9.01B Materials
Materials are to comply with the Sewer IDD&C, the EDTS, and the EDSD.

1.5.1.5 71-9.01C Construction
Constructing, installing, removing, abandoning, and testing must comply with the Sewer IDD&C, the EDTS and the EDSD.
1.5.1.6 71-9.01D Payment
Payment of the sewer line and appurtenances are to be paid by the unit of measurement as listed in the Engineer’s Estimate. Unit of measurement includes payment for furnishing all labor, tools, equipment, all materials required per the IDD&C, EDTS, and EDSD, and incidentals for doing all the work involved with the bid item.

DIVISION VIII MISCELLANEOUS CONSTRUCTION
73 CONCRETE CURBS AND SIDEWALKS

Add to section 73-1.02A:
Concrete must be minor concrete complying with section 90-2 and may contain returned plastic concrete complying with section 90-9.

84 MARKINGS
Replace Reserved in section 84-10 with:

1.6 84-10 4” THERMOPLASTIC TRAFFIC STRIPE (PARKING STALL)

1.6.1 84-10 General
4” Thermoplastic Traffic Stripe (Parking Stall) is to comply with Section 84 of the Standard Specifications.

1.6.1.1 84-10 Materials
Stripe is to be thermoplastic, four (4) inches in width, and white as defined in Section 84 of the Standard Specifications.

1.6.1.2 84-10 Construction
Place stripe where shown on the Project Plans.

1.6.1.3 84-10 Payment
Not used.

DIVISION X ELECTRICAL WORK
86–88 RESERVED

Replace the 21st paragraph of the RSS for section 87-1.03A with:
The Department places identification characters on the electrical equipment.
Add to the end of the RSS for section 87-1.03L(2)(b):
Install a Type III service equipment enclosure for irrigation controllers.
For irrigation controllers, install a single-pole, 15 A circuit breaker in the existing service equipment enclosure. The circuit breaker must be of the same manufacturer, model, and interrupting capacity as the existing circuit breakers.

Add between the 1st and 2nd paragraphs of the RSS for section 87-1.03N:
If the pull box is tamper resistant, install a 10 A fuse in the pull box and an additional fuse splice connector with a 5 A fuse in the handhole.

Add to the end of section 87-21.03C of the RSS for section 87:
Modifying a lighting system includes removing, adjusting, or adding:
1. Foundations
2. Pull boxes
3. Conduit
4. Conductors
5. Standards
6. Luminaires
7. Service equipment enclosure
8. Photoelectric control
9. Fuse splice connectors
10. High mast lighting assemblies