

Major Revisions in the July 2025 Edition of the HRSD Design and Construction Standards

Section	Title	Revision Summary
4	Monthly Project Status Reporting	An invoice template was added as Attachment A and a Diversity Procurement statement template was added as Attachment B.
5	Capital Project Cost, Schedule, and Risk Reporting	This section has been updated extensively and warrants a careful review for new, changed, and deleted requirements.
8	PER, Design, and Construction Submittal Requirements	This section has been updated extensively and warrants a careful review for new, changed, and deleted requirements.
11	Public Communication Program	Additional Notices: The requirement to provide notices 24 hours prior, the morning of work, and once completed, as directed by HRSD has been deleted. Traffic Advisories/Media Releases: Traffic advisories for larger traffic detours will be distributed seven days ahead. Several attachments were added, deleted, or revised – please review this section carefully at the start of each project.
12	Preconstruction Assessment and Damage Mitigation Procedures	This section has been updated extensively and warrants a careful review for new, changed, and deleted requirements.

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18	CA and CI Expectations	Several CA/CI expectations have been added: • CA: Prepare emergency contact list for all involved parties • CA: Send any submitted “or equal” equipment/manufacturers to HRSD for review. • CA: Provide a final submittal list from the Contractor to HRSD to determine what submittals must be reviewed by HRSD. • CA: Davis Bacon wage classification verification by the FIRM will not be required on all <u>FUTURE</u> VCWRLF projects – FIRM shall check with the HRSD Project Manager or the Engineering Compliance Manager when scoping CA/CI services for any active projects to verify if these services are needed. • CA/CI: Work change directors, change orders, etc., must be approved by the Project Manager and uploaded to and approved in Unifier before any related work is performed in the field. • CA/CI: Enhance vendor-provided equipment training that is unique to the design and coordinate comprehensive system training for information/functionality covered in the functional description. • CI: NACE Level 2 certification is required for all inspectors overseeing coating and lining work at treatment plants and pump stations when a manufacturer dictates a specific profile is needed for proper adhesion. • CI: Inspectors will have NASSCO ITCP for CIPP rehabilitation project work.

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24	Pipelines and Appurtenances	III.B – Updated to indicate X,Y,Z coordinates spreadsheet shall be updated monthly and attached to each contractor payment application. A new as built X,Y,Z template was provided in Attachment B. IV.A.10.a – Force main valve spacing shall be as approved by HRSD Operations. IV.A.22 – Beads on HDPE pipe shall only be removed in gravity sewer applications. V. B - Design Submittals – At the 90% design submittal or before, the designer of the line stop and bypass system shall request the dry weather minimum, dry weather maximum, and wet weather maximum flow values from HRSD. The designer shall provide an estimated duration of bypass operations and headloss calculations for the various bypass pipe size considerations under the three flow scenarios provided (dry weather minimum, dry weather maximum, and wet weather maximum). IX.A and B – This section, related to the disposition of inline and branch valves to be taken out of service, was rewritten. X.D – For manholes on lines 12-inch and larger, at force main discharge manholes, and at heavily traversed or difficult operating locations, manholes shall be made of corrosion-proof materials for manholes, frames and covers.
27	Trenchless Crossing Installations	This section has been updated extensively and warrants a careful review for new, changed, and deleted requirements.
32	Treatment Plants	This section has been updated extensively and warrants a careful review for new, changed, and deleted requirements.
33	Electrical and Instrumentation	This section has been updated extensively and warrants a careful review for new, changed, and deleted requirements.
34	IT Infrastructure Hardware and Third-Party System Integration	This section has been renamed and reorganized to guide FIRMs via the attached IT Division guidelines.
37	Standard Details	Note that the new HRSD logo has been inserted into the standard details.
39	Front End Documents	Approved plans and technical specifications will be provided by the FIRM to the HRSD Project Manager, instead of the Contract Specialist, for incorporation into the front end documents. For lump sum bids, mobilization shall be an incidental item and not included as a line item.
41	Master Specifications	Multiple master specifications have been updated extensively and thus all warrant a careful review for new, changed, and deleted requirements.

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42	VDEQ Project Funding	This section has been updated extensively and warrants a careful review for new, changed, and deleted requirements.