

December 18, 2012

To: High Speed Rail Authority

Subject: **CALIFORNIA HIGH-SPEED TRAIN
DRAFT 30% FRESNO TO BAKERSFIELD
SIERRA SUBDIVISION
PROCUREMENT PACKAGE 1C**

City of Fresno Department of Public Utilities Wastewater Management Division Comments

Please review the following comments:

1. Any proposed change in direction of any sewer line must include a manhole at that location and the manhole must be in a location that has ready access for maintenance.
2. Drawing number UT-C4060 – Wastewater (WW) requires an additional steel casing in place next to each sewer crossing under the HSR on this page there are (2) an 18" and a 27" diameter sewer lines.
3. Drawings number UT-C4061, C4062, and C4078 – The relocation/rerouting of the new sewer down the existing alignment down S. Sarah St is not preferred unless permanent access is provided for sewer maintenance (the Vector truck access at minimum).
4. Drawing number UT-C4063 – At the UPRR crossing there are (4) sewer lines (30", 14", 10" and 8"). The 30" is proposed to be relocated along a similar alignment which is acceptable as long as an additional spare casing is provided under the UPRR and HSR lines. The 14" sewer is proposed to be removed, this is unacceptable this is a forced main which is critical for future plans by the WW division. The 14" line may be realigned and/or grade changes made, as long as the pipe is reinstalled to serve the existing connections. The Relocation of the 10" sewer line is acceptable. The 8" private sewer is not private. It is a City of Fresno forced main. The line is active from the UPRR to the West. There is a service connection between manhole shown just to the West of the HSR and the manhole just to the East of the HSR. This must be rerouted out of the HSR alignment and reconnected to the West side of the HSR. There must be access outside the HSR alignment.
5. Drawing number UT-C4066 Wastewater (WW) requires an additional steel casing in place next to each sewer crossing under the HSR on this page there is a 48" diameter sewer line.

6. Drawing number UT-C4068 There is a manhole shown between HSR line S1 and S2. This is unacceptable. All existing and/or new manholes must be outside the HSR and UPRR alignment to allow access for sewer maintenance.
7. Drawing number UT-C4069 Wastewater (WW) requires an additional steel casing in place next to each sewer crossing under the HSR on this page there is a 10" diameter sewer line.
8. Drawing number UT-C4070 – No sewer lines are shown on this plan. In North Avenue running under the proposed HSR are a 57" and 8" sewer line. Wastewater (WW) requires an additional steel casing in place next to each sewer crossing under the HSR.

Thank you,

Kevin Norgaard
Supervising Professional Engineer
City of Fresno-DPU Wastewater Management Division
5607 West Jensen Avenue
Fresno, CA 93706
Tel. 559-621-5297
Fax.559-498-1700