



COMMON RAILROAD SUBMITTAL ERRORS.. *AND HOW TO FIX THEM*

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BACKGROUND

- May 2007: Union Pacific RR & Burlington Northern, Santa Fe Railway jointly issue “GUIDELINES FOR RAILROAD GRADE SEPERATION PROJECTS”
- During 2007, submitted 4+ plan sets for structures. All rejected by UPRR
- UPRR developed “AZDOT Railroad Standard drawings for Overhead Bridge”
- UPRR Guidelines for Utilities



TYPICAL REJECTION REASONS for Grade Separation projects

- Didn't follow new Guideline
- Not providing minimum horizontal & vertical clearances
- Not providing for future rail operations
- Not providing top of rail survey
- Didn't reference/ show General notes on plan sheet
- Not incorporating fence
- Not addressing bridge drainage



TYPICAL REJECTION REASONS FOR UTILITY LICENSE

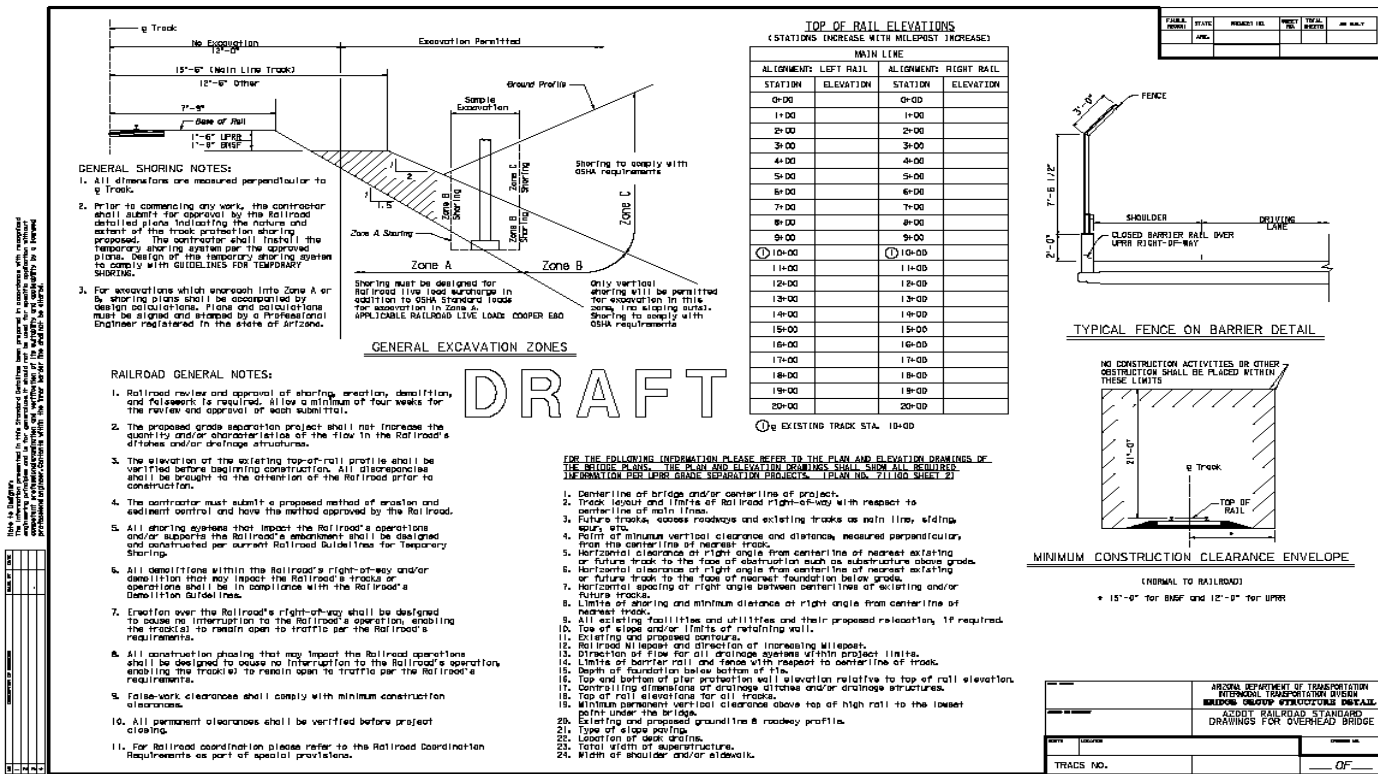
- Incomplete Exhibit A
- Non-standard methods
- Not calling UPRR fiber optic locate before submittal and not referencing information
- Not encasing utility (including fiber optic)



Solutions

- COMMUNICATION
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- Incorporate Railroad Standard Drawing for Overhead Bridge
- Include Railroad reference information on all submittals, communications
- Only provide relevant sheets to Railroad

Railroad Standard Drawing



UPRR Utility License Application

APPLICATION

1) Name of Licensee: State of Arizona by and through its Department of Transportation
(Name to be shown on license)

a) If a corporation _____
(Exact Name of Corporation)
a corporation of the State of _____
(State of Incorporation)

(NOTE: The corporate name of a company should be exactly as stated in its Articles of Incorporation. Type of Corporation, if other than a normal business corporation, MUST be shown:

(Municipal, quasi-municipal, body politic, etc.)

b) If an individual _____
(Name of Individual)
of _____
(City & State)

c) If an individual or corporation doing business under a trade name:

(Doing Business As or Trade Name)

d) If a partnership _____
(Name of Partnership)
a partnership consisting of _____
and _____
all of _____
(City & State)

2) Address of Licensee: Mr. Bruce Vana, Arizona Department of Transportation,
Utility and Railroad Section, 618E
205 South 17th Avenue, Phoenix, Arizona 85007

3) Name and mailing address of individual to whom instrument is to be sent for execution if different than shown in Item 2:

(Name & Address)

4) Billing address if different than shown in Item 2:

(Address)

5) Name and phone number of individual to contact in event of questions:
Mr. Bruce Vana (602) 712-8681
FAX # (602) 712-3229

6) a) Do you plan to utilize the right-of-way for a public use (for a utility crossing)? Yes No
b) Do you have authority to utilize the right-of-way for a public use by condemnation? Yes No
c) Will you initiate condemnation proceedings to acquire the subject property in the event negotiations are unsuccessful? Yes No

7) When do you expect construction to begin on the Railroad Company's property? January 2001

8) When do you need to receive this agreement from the Railroad Company? August 2000
(Please allow 30-60 days for reviews and 90-120 days for encroachments)

9) Permanent or Temporary Installation - Permanent
If Temporary, estimated term: _____

10) Location of Installation - City of Chandler, Maricopa County, Arizona
(City, County & State)
3850 _____ S. (N), (S), (E), or (W) of Sec. (N) (S), (E), (W) or (Center) line of Section 33
Township 15 (N) or (S) Range 4E (E) or (W)

11) New installation, relocation or modification of existing installation which is located on the Railroad Company's property or across track? New Installation

12) Do you have an existing agreement at this location with the Railroad Company which is to be affected by this request?
 No Yes, Railroad Company Contract Number: _____

13) Is installation located within a crossing? Yes No or encroachment _____ or both? _____
Yes, _____ records are records which identify and prove the dedication of such public way.

14) Is installation located within a dedicated public street? No Yes, _____ records are records which identify and prove the dedication of such public way.

15) Additional information pertinent to this installation:
Crossing is an 8" watermain within a 24" steel casing pipe, to be installed with dry boring and jacking techniques

16) If an encroachment, who will be served?

(Railroad, Railroad Tenant, General Public, etc.)

17) Did the Railroad Company's signage advertisement affect your decision to utilize the right-of-way for a utility crossing? Yes No. If no, did another medium impress your decision? Yes No.
If applicable, please advise other medium: _____

CONTRACTOR AND INSTALLATION INFORMATION

18) Will construction be by a Contractor? No Yes
If yes, Contractor will be: Not known at this time. It will be a public bid.
Address: _____
Corporate Status: _____
Name and Phone Number of individual to contact in the event of questions: _____

19) Describe in detail the method and manner of installation on the Railroad Company's property:
Dry bore & jack raising pipe from construction pits outside RR right-of-way.



QUESTIONS?????

- UPRR Website: UP.com
- For Guidelines & Specifications visit:
www.uprr.com/aboutup/operations/specs/index.shtml
- For Utility Exhibits and Guidelines visit:
www.uprr.com/reus/pipeline/index.shtml

- BNSF Website: Bnsf.com
- For Easements, permits. Etc.:
- <http://www.bnsf.com/markets/services/realestate/permitslicenses.html>

- Arizona DOT Utility & Railroad Website:
- <http://www.azdot.gov/Highways/Utilities/index.asp>