

Checklist for Industry Track Submittals

Industry Name

Project Location

UPRR FES Number

Checklist Color Codes	
Drawing Required	
Switch	
Signal	
Drainage/Structures	
Roads	
Clearances	
Profiles	
Not Required	
Do Not Include	

Recent Revisions	
Date	Description
2/26/2020	Checklist reformatted, 10% submittal eliminated
3/6/2020	#2 include w/ 30% Plans and not w/ Exhibit A
5/21/2021	#9 Exemption Table w/ all submittals, #13 reference, #18 reference
1/17/2024	Removed 30% under Railroad Work
4/11/2024	Item 39 - added "including UP access roads"

Firm Name

Submitted By

Submittal Date

Item	Description of Items to be Shown on Submittals	Railroad Work			Non Railroad Work			No ITA Issued		References & Resources
		DevCon	Const. Plans	Exhibit "A"	DevCon	Const. Plans	Exhibit "A"	DevCon	Const. Plans	
1	CHECKLIST FOR INDUSTRY TRACK SUBMITTALS completed and signed									
2	On a separate sheet on the Construction drawing include a sheet titled "PTC Design" and list GPS coordinates (lat/long) and elevations for the PS of turnouts on UPRR tracks, PS of derail, 13ft clear point, end of UPRR mtc, and all other PS of turnouts and 13ft clear points for a minimum of 1,200 ft. into the industry facility past UPRR mtc sign. (Last sheet of the plan set) Submit .kmz file of project location saved in a zip file and upload to EDS under "PTC-KMZ" titled as "KMZ File"									Submit KMZ File under EDS category "PTC-KMZ" Reference: UPRR PTC Sample Design
3	Aerial Imagery: show in background in monotone (adjust aerial to approx. -50 contrast, 80 brightness)									
4	Show Disclaimer on each sheet (found within UPRR's "General.cel" CADD configuration file)									Section 2.00 of UPRR Industrial Track Specs
5	Future Tracks									Section 2.10 of UPRR Industrial Track Specs
6	Operating Plan									Section 2.10 of UPRR Industrial Track Specs
7	1:100 scale plans, 11"x17" sheets, UPRR border and CADD standards, printed in color using "UPRR_V8i_Pentable.tbl" (found within UPRR's CADD configuration files); submittals shall be a single PDF; dates on all plan sheets shall match; Exhibit "A" must be legible when printed on 8.5"x11" paper									UPRR Example Plans & Exhibits
8	Customer's name, project location (station, county, state), north arrow, scale bar, and timetable direction									
9	List all requested project exemptions using UPRR's Exemption Table; special approval will be required by UPRR; project exemptions shall be on a separate sheet with UPRR border (Sheet 2 of the plan set); all plan set submittals shall include the UPRR Exemption Table as Sheet 2									Section 1.70 of UPRR Industrial Track Specs UPRR Exemption Table
10	As applicable, label proposed sale or lease of UPRR owned track(s) or portion thereof. Identify with correct linestyle(s)									
11	Label existing tracks (using UPRR ZTS numbers) and proposed tracks with alpha-numeric names (Trk A, Trk B, etc.); if extending existing tracks, label track with existing UPRR ZTS numbers									ZTS numbers to be provided by UPRR
12	UPRR R/W with labeled width and perpendicular distance to adjacent track R/W is established from; note the source for depicted R/W information (ex. UPRR Val Maps)									UPRR Val Maps to be provided by UPRR
13	Label all track lengths, clear lengths, track centers, and 13 ft. clear points for all tracks where cars will be stored; number of cars stored on tracks shall only be labeled on DevCon									Section 3.00 of UPRR Industrial Track Specs
14	DevCon: show all existing and proposed track and signals; for all turnouts and derails include size/type (No. 11, No. 15, etc.), LH or RH, PO or HT; show all existing turnouts within 1,000 ft. of proposed turnouts Construction, Exhibit "A": in addition to all DevCon requirements, label proposed turnouts and derails with frog type, rail weight, tie material; label type of switch stand and headblock ties; specify EOT devices									Sections 3.20 and 3.30 of UPRR Industrial Track Specs
15	Stationing & MP locations (based on UPRR Val Maps for DevCon and survey information for Construction, and Exhibit "A") along existing and proposed tracks and at switchpoints for existing and proposed turnouts and derails; provide station equations for switch points of proposed industry track turnouts on UPRR tracks									UPRR Val Maps to be provided by UPRR
16	DevCon: label track alignment degree of curvature; depict cardinal point stationing and locations (PCs and PTs) Construction, Exhibit "A": in addition to all DevCon requirements, depict geometric curve data									Section 3.00 of UPRR Industrial Track Specs
17	Stationing at "End UPRR Ownership/Maintenance" signs and where proposed tracks cross UPRR R/W									
18	Scope of Work Matrix: using UPRR's Scope of Work Matrix, provide a <u>detailed list</u> of work responsibilities and quantities for UPRR and Contractor; Scope of Work Matrix shall be on a separate sheet(s) with UPRR border (beginning at sheet 3 of the plan set)									UPRR Scope of Work Matrix; not required for Shortline projects not involving UPRR labor and/or materials
19	Rail Weight: all existing and proposed track									Section 4.80 of UPRR Industrial Track Specs
20	Cross-sections at minimum 100 ft. intervals along entire project limits and a minimum 200 ft. beyond proposed turnouts on UPRR tracks; show/existing ground, proposed subgrade w/ offsets and elevations at grade breaks, track centerlines, T/R elevations, UPRR R/W, easements, walkways, and turnout pads									In addition to cross-sections at 100' intervals, include special sections at roadway crossings, utility crossings, drainage structures, bridge abutments,
21	End of RR Operations: label location "No RR Operations beyond this point", track stationing, and GPS coordinates (latitude/longitude of the centerline of track), include end of RR operations sign perpendicular to track from GPS coordinates.									
22	Description of point from which main track stationing was established and location/description of benchmark from which elevations are established; main track stationing from UPRR Val Map shall be marked during survey on field side of rail along the side of proposed construction									UPRR Val Maps, profiles, ZTS or other sources to be provided by UPRR
23	Typical Sections: show/existing ground, proposed subgrade and subballast, ditches, all dimensions (track centers, offsets, ditch widths/depths, T/R to top of subgrade at track CL, etc.), depths of ballast and subballast, and horizontal/vertical clearances									Section 4.10 of UPRR Industry Track Specs
24	Include location of track grounding details of any track used to load or unload flammable materials									Section 4.80 of UPRR Industrial Track Specs
25	Location and stationing of landing pads with turnaround area									UPRR Std. Dwg. 0309
26	Turnout construction pad location and dimensions (for work performed by UPRR forces)									Sections 1.60 and 4.10 of UPRR Industrial Track Specs
27	Begin new track alignments and stationing at switch points of turnouts where tracks diverge through turnouts; designate alignment stationing at point of switch as Sta. 0+00 on single-ended tracks; track stationing for double-ended tracks starts at Sta. 0+00 at switch point of turnout with the lowest UPRR MP									Section 3.00 of UPRR Industrial Track Specs
28	Within 1,000 ft. of proposed turnouts, show existing UPRR signal lines, masts, houses, cabins, bungalows, and cases, etc.; include dimensions, stationing, and DOT# found on crossing signal enclosures, block plates, and CP's.; provide stationing for existing insulated joints									
29	Show location and stationing of proposed signals and insulated joints									
30	Proposed industry tracks with required signal circuits must reference the end of each circuit; where mandatory, wood ties, CWR, and insulated materials must be used									
31	Show location of power supply for power operated switches, signals, wayside equipment, and/or overhead lighting									Section 2.20 of UPRR Industrial Track Specs
32	All track culverts: stationing of track centerline where culvert crosses track, MP location (UPRR Track), length, size/diameter, type, invert elevations, and any proposed modifications of an existing culvert; note on plans that culverts shall be marked with blue paint on ties over crossing per UPRR Std. Dwg. 0519									Sections 3.40 and 4.30 of UPRR Industrial Track Specs; Submit under EDS Category "Structures"
33	All track bridges: stationing at each backwall, MP location (UPRR Track), length, type, and any proposed modifications of an existing bridge									Sections 1.30, 3.40, 3.70, and 4.30 of UPRR Industrial Track Specs; Submit under EDS Category "Structures"
34	All other drainage structures (under roads, surface drains, etc.): location, size, length, and type									
35	Depict direction of existing and proposed runoff with directional flow arrows throughout project area									
36	Drainage Study: submit hydrologic and hydraulic design calculations for all drainage improvements or modifications									Section 3.40 of UPRR Industrial Track Specs; Submit under EDS Category "Structures"
37	Submit detailed plans for any proposed bridge or culvert (or modification of an existing) or any proposed under or over track structure									Sections 3.70 and 3.80 of UPRR Industrial Track Specs; Submit under EDS Category "Structures"
38	DevCon: show existing and proposed road crossings within 1,000 ft. of proposed turnouts Construction, Exhibit "A": in addition to all DevCon requirements, label length, type (public/private), material type, type of warning device, stationing, MP location (UPRR track), road name, and DOT#									Sections 1.40, 3.50, 3.80, and 4.95 of UPRR Industrial Track Specs
39	DevCon: all roads or road modifications affecting traffic crossing UPRR tracks shown on plans, including UP access roads; show the station and MP location of the centerline of all roads crossing UPRR tracks Construction: in addition to all DevCon requirements, label location, width, type of roadway surface material, estimated vehicle crossing counts, and percentage that will be truck traffic									
40	Roadway Plans: for all public roadway improvements crossing any tracks (UPRR or industry tracks) and/or all private roads crossing UPRR tracks, include existing and proposed profiles, roadway alignment geometry, pavement geometrics, pavement markings, and all warning devices									
41	DevCon: existing and proposed buildings adjacent to any track: location, dimensions, doors, docks, ramps, etc., and nearest perpendicular distance to track centerline Construction, Exhibit "A": in addition to all DevCon requirements, label stationing of start and end points of buildings and docks									Section 3.50 of UPRR Industrial Track Specs; Submit under EDS Category "Structures"
42	All utilities adjacent to any track (above or below ground): location (include poles if applicable), type of utility, clearances, distance from adjacent track CL, depth from proposed grading, voltage (if electrical), encasement details, and utility ownership information									Sections 1.20, 3.50, 3.60, and 4.90 of UPRR Industrial Track Specs; Submit under EDS Category "Structures"
43	Underground Crossings: stationing, distance below B/R, depth from proposed grading, and encasement details									
44	Overhead Crossings: stationing (include poles, supports, etc.), horizontal clearance (perpendicular from adjacent track CL), vertical clearance (from top of highest rail), and voltage (if electrical)									
45	All under and overhead track structures: label size, stationing, and clearances; description of any impaired clearances									
46	All car pulling or indexing devices: stationing and clearance									
47	All fences and gates: detailed drawings including stationing of any gate crossing, horizontal clearance with gate open, description of gate operation (power vs. hand), description of gate stop									Section 4.75 of UPRR Industrial Track Specs
48	Hazardous Materials: label perpendicular distance of track centerlines between hazmat storage/loadout/offload track centerline and nearest UPRR main track centerline, and/or nearest perpendicular distance from stored hazardous materials to any adjacent track centerlines									Section 3.50 and 4.70 of UPRR Industrial Track Specs
49	Verify state requirements are met; for projects located in California, refer to California PUC General Orders 26-D and 118-A for walkway/clearance requirements									
50	Existing track profile: T/R profile (100 ft. maximum interval) for a minimum 1,000 ft. each direction from proposed turnout(s) along UPRR ML tracks, 200 ft. each direction from proposed turnout(s) on any other track									Section 3.10 of UPRR Industrial Track Specs
51	Proposed track profile: T/R profile of each track at 100 ft. maximum interval, include stationing of vertical curve points (PVC, PVI, PVT), stationing and elevation of switch points, long tie location, length of vertical curve, V/L, special ditch profiles									

Please note: Situations may arise depending on individual project details where signal work is required even though there is no track or railroad work.