

Project Estimation

Bid Tabs Professional and webTransport

2012

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Edition 2, March 2012



Class Overview

This course is for MoDOT Users who need to create estimates, look up price data, and deliver the information to the customer. It presents many aspects Bid Tabs Professional and Bid Tabs Professional PLUS along with WebTrnsport. Participants need a basic familiarity with Windows Explorer and a basic understanding of project estimation.

- Manual broke out into two sections
 - Bid Tabs Professional
 - WebTrnsport (Design)
- Appendix 1
 - Convert Estimate 2000 files
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Design Bidding and Contract Services Stylesheet

- Improvements should be specific; locations should be more general.
 - Instead of “1 ¾” resurfacing” use “resurface (type of pavement treatment)”. Other examples to use include but are not limited to “Thin-lift overlay”, which includes all single lift non-SP treatments under 1 ¾”.
“Bridge painting”, “Replace Span Wire”, “Bridge Rehabilitation”, “Bridge Replacement”, “Bridge Redeck”, etc.
(See example sheet for a sampling of the many ways to describe an improvement and location.)
- Do not use all capital letters. Use **upper and lower case** letters.
- In Transport, never use a period at the end of the Improvement or Location. (These two statements combine to form one sentence on the proposal).
- Bridge numbers should always read X1212 (one letter, 4 digits; **do not use a hyphen** after the letter).
- It is acceptable to use **SB or WB** when describing the direction. If the direction is spelled out, then make it all **one word** in lower case. (Example: **northbound** as opposed to north bound or north-bound or Northbound).
- **Direction is always lower case**, (ex. use south as opposed to South), except when it’s part of the route designation (ex. Rte. 72 North).
- Do not repeat the project route in the location. It is already shown with the County and Job number.
- For project locations, indicate if a project is near a town. (ex. from Rte. X to Rte. Z in Springfield) Add creek or river names for bridge projects.
- For project location descriptions, use **e/o** instead of east of (ex. e/o Springfield)
- When locating a project, use **Jackson County line**. The word line is not capitalized but County is. Only abbreviate County if necessary and then it should be “Co.”.
- If mileage is less than 1, always **use a zero, ex. 0.1** and then the word **mile** as opposed to miles.
- If mileage is a whole number, **use a decimal**. Use 2.0 miles as opposed to 2 miles.
- Spell out the word **Road** unless there isn’t room, then use “Rd.”.
- Spell out the word **Street** unless there isn’t room, then use “St.”.
- Spell out the word **County** unless there isn’t room, then use “Co.”.
- Always use **Bus. Rte. 63** as opposed to Business Rte. 63. Use **Loop 70** as opposed to Lp 70.

- Always use **Rte.** as opposed to, Rt., rt. Do not use US or MO.
- Always use **County Road**. If there isn't room, use CR.
- Interstates should be **I-XX or I-XXX**.
- Use **Resurface** instead of Relay.
- For new System Expansion construction projects, it is acceptable to use "Grading, drainage, paving and bridge at....".
- Use the term **Widen lanes** and **Improve shoulders** in place of Capacity Improvements when needed.
- Do not use the word **Trail**. Instead use **Pedestrian Facility**.
- **On-call projects and Job Order Contracting follow this format: On-call + activity + location.**
 - Use a hyphen between the words "on" and "call"
 - "guardrail" is one word, "guard cable" and "work zone" are each two words
 - Do not put the SFY in the project description
- Alternate Pavement projects follow this format:
 - Alternate paving (PCCP or SP) (use alt. if not enough room)
- Optional Pavement projects follow this format:
 - Optional Paving (HIR, SP, or Mill & Fill) (use Opt. if not enough room)
- Add Alternate projects follow this format:
 - Add Alternate thin-lift overlay (SL) (use alt. if not enough room)
- Alternate design projects (i.e. alternate structures) follow this format:
 - Alternate Re-deck or New Superstructure (use alt. if not enough room)

Misc. project examples with location descriptions:

Pavement repair and resurface (UBAWS) from west of Rte. 141 to Schenk Road near Arnold

Thin lift overlay (BP-2) from old Rte. O to Rte. O near Robertsville

Thin lift overlay (BP-2), shoulders, w/2 add alts. from Rte. A to Cole County line near Enon

Thin lift overlay (SL) w/ 1 add alt on various routes in Platte and Clay Counties

Thin-lift overlay (BP-2), w/1 add alt pavement repair from Rte. 24 to Lexington City Limits

Thin lift overlay (BP-2) & A3 shoulders from Shelbyville to Palmyra & s/o Maywood to Rte. 61

Install signals and lighting at the Clinton Road intersection in Seymour

Resurface (UBAWS) from Moreland School Road to Wyatt e/o McGirk

Resurface (SP & BP-1) from Rte. P to Rte. 14 near Pomona

Grading, alternate paving (SP or PCCP) and bridges at the Rte. BB & Rte. DD intersections near Milo

Grading, paving and bridge at the Rte. D interchange near Horton

Alternate paving (PCCP or SP) to widen to 6 lanes from South Ave. to Plainview Rd. in Springfield

Alternate signals (mast arm or steel span-wire) at Comet Dr. & Berwin Dr. near Jennings

Dowel bar retrofit & resurface (BP-1 & SP) from the Phelps County line to w/o Rte. H near Cuba

Guard cable, guardrail and culvert replacement from s/o 128th St. to s/o Briarcliff Parkway

Redeck and widen bridge to 5 lanes at the Rte. 185 interchange in Sullivan

ADA and signal improvements from McCausland Ave. to 4th St. in St Louis City

Signal replacement and ADA improvements at the Bayless Ave. interchange near Bella Villa

Removal of trees in the clear zone on various routes and counties in SW District

Stream bank stabilization over Schultz Creek n/o Rte. Z near Pleasant Hope

Job order contracting – guard cable repair at various locations between Route I-55 and Route E

Job order contracting - bridge maintenance on various bridges in SW District

Job order contracting - asphalt pavement repair from Iowa State line to Rte. 6 in Daviess County

Job order contracting - non-interstate asphalt repair on non-interstate MoDOT maintained roads in SL District

On-call replacement of traffic signal loop detectors on various routes in SL District

On-call guardrail and guard cable maintenance on all routes in SE District

Misc. Project examples:

Thin lift overlay (BP-2), shoulders, w/ 2 add alts
Thin lift overlay (BP-1) w/ 1 add alt pavement repair
Thin lift overlay (SL)

Installation of ITS
ITS relocation
Install 5 wireless detection systems

ADA improvements
ADA & signal improvements
ADA improvements w/ 1 add alt & signals
Intersection improvements
Intersection & ADA improvements, widening

Coldmill, resurface (SP)
Coldmill, resurface (SP), w/ 1 add alt., optional pavement
Coldmill, resurface (SP), shoulders (BP-2)
Diamond grinding
Resurface (SP & UBAWS)
Resurface (SP), coldmilling
Resurface (SP), widening for additional lanes
Resurface (SP), shoulders (BP-2, fog seal)
Resurface (SP & BP-1), improve shoulders
Pavement repair and resurfacing (UBAWS)

Grading, drainage, alternate pavement & bridges
Grading, drainage, paving, & bridge replacement
Grading, paving, & drainage for J-Turns
Grading, drainage, & optional paving (SP or PCCP)
Grading, add shoulders, resurface (BP-2)
Grading & alternate paving (SP or PCCP)

Job order contracting – guardrail & guard cable repair
Job order contracting – bridge maintenance

Job order contracting – concrete pavement repair
Job order contracting – non-interstate concrete repair
Job order contracting – asphalt pavement repair
On-call replacement of traffic signal loop detectors
On-call snow and ice removal

Bridge rehabilitation (SB), add alt. painting
Bridge replacement (NB), optional paving (SP or PCCP)
2 Bridge deck replacements
Redeck 2 bridges
Bridge replacement
3 Bridge rehabilitation & painting
Bridge deck rehabilitation
Bridge painting
Bridge rehabilitation on 3 bridges
Bridge deck replacements
Bridge rehabilitation and ADA improvements (4 bridges)

Construct overpass
Optional paving (SP or PCCP), add turn lanes & signals
Contract mowing
Construct diverging diamond interchange
Warranty work for asphalt crack seal & popout repair
Crack filling w/ 2 add alternates
Stream bank stabilization
Replace low water crossing (stream mitigation)
Slide repair
Seal coat
Add shoulders & rumble strips