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| COLORADO DEPARTMENT OF TRANSPORTATIONPLANS, SPECIFICATIONS & ESTIMATE CHECKLIST | | Project No. | | | Project Code | | | |
| Location | | | | | | |
| Region | | Date | | | | |
| Resident Engineer | Project Manager | | Checked By | | | | | |
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| RECEIVE FOR CHECKINGFINAL CDOT FORM 463 AND APPROVED CDOT FORM 128 OR ENVIRONMENTAL APPROVAL LETTERSCOPING MEMORANDUM (Design Scoping Review (DSR) minutes, if available)CDOT FORM 1048 COMPLETED TO DATEFINAL OFFICE REVIEW (F.O.R.) MINUTES AND THE CHECKED F.O.R. SETFINAL PAVEMENT DESIGN (STABILIZATION PLAN)CDOT FORM 859 (Project Control Data)PLAN SHEETS, SPECIAL PROVISIONS, SCHEDULE, ESTIMATE AND AD NOTICE Following is the recommended checking order, not the plan sheet order. Items are generally grouped by the organization in the regular plan sheets. Item locations in “write-up” plans, when applicable, are shown with [ ]. PLAN SHEETSTITLE SHEETTitle to include [Page 1]DEPARTMENT OF TRANSPORTATIONSTATE OF COLORADOHIGHWAY CONSTRUCTION BID PLANS OF PROPOSEDFederal-Aid or Colorado Project No.State Highway No.All counties listedProject Code No.FHWA oversight and National Highway System “yes” or “no” blocks checked [Page 1] per Stewardship AgreementOther project numbers and codes (e.g., R.O.W., or Utility Design [Page 1]“Index of Revisions” block present [Page 1]“Tabulation of Length and Design Data” [Page 5 – sometimes titled Project Log]Begin and End Stationing agrees with location map, plan and profile, and typical sectionsBOP and EOP definitions (with MP and ties to other projects) match wording shown on location map and plan and profilesRoadway (Net Length)Major Structure lengthProject Gross Length consistent with CDOT Form 463Equations (if any)No-Work sectionsDesign Data matches final CDOT Form 463Design Traffic Data (ADT, DHV, and % Trucks on title or applicable sheet except for “write-ups” or overlays where data is not used)Project location map [Page 2 (counties listed)]North arrow, range/township and alignmentBOP and EOP definitions (with MP and ties to other projects) match wording shown on location map and plan and profilesDetoursMajor equations and No-Work sectionsMajor structure numbers (both existing and proposed)Arrows to citiesDrawing (bar) scaleBeginning and ending stationing agrees with length and design data, plan and profile sheets and typical sectionsIndex of Sheets – Titles and sheet numbers agree with sheets [Page 1]Designer block/ID; e.g., Resident Engineer initials/Region [Page 1]Contract Information block [Page 1]Description of Project (not in “regular” plans) [Page 4] | | | | | |  |  |  |

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| ALL SHEETSProject No.As Constructed block (except for “Info Only” plan sheets)Sheet Numbers (no “total” numbers)Reference symbols only used once per sheetNote or detail for each symbol on each sheet where symbol is not defined in M-StdsBar scale for each detail or “Not to Scale”Sheets referenced from one plan sheet to another by sheet title, not sheet numberTYPICAL SECTION AND SECTION NOTE SHEETS [Page 6]Typical Sections agree with CDOT Form 463Typical Section detailsTypical sections comply with standardsPavement structure matches pavement design (stabilization plan) from Region materialsPrime, tack and seal coat locations dimensionedDimension widths and labels: Lanes, shoulders, median, “z” slope, etc.All dimensions measured to control lineCross SlopesTypical Section Notes from Design Aid 101Other typical section notes, as requiredCut and fill slopes shown, and comply with standardsStation limits of each typical section shown to hundredthsNo station breaks from BOP to EOPSTRUCTURE CROSS-SECTIONSStation, template and ground line (adjusted for skew)Structure designed per standardsQuantity for each item in Structure NoteStructure Notes transferred to Plan SheetsStructure Notes written as per Design AidROADWAY CROSS-SECTIONSBeginning and ending stations agree with those on plan typical section sheetsBridge beginning and ending stations agree with those in roadway/bridge plansEquations agree with those in roadway plansStation and ground elevation at control line are shown for each sectionAuxiliary lanes and detoursEarthwork quantities and template slopesEarthwork quantities transferred to Summary of EarthworkWORKSHEETSQuantities transferred from each tabulation or note to either the plans, tabulations or Summary of Approximate QuantitiesALL PLAN SHEETSScale and north arrowControl lines, stations and equationsLocation of existing features (topo) and structuresPay items noted only once or tabulated with other references noted as For Info OnlyPay items (item number, description, units and quantities) transferred correctly to tabulation or Summary of Approximate QuantitiesROADWAY PLANSSurvey alignment (dashed if separate from CL)Alignment equations at intersectionsCurve data, SSD, MDS, and eBeginning and ending stations, mile posts, and ties to adjoining projects on first and last roadway plan sheets match information on title sheetsNew structuresGuardrail offset, coverage, gaps and end treatmentGuardrail height above pavementStructure notes should match Structure Cross Section notesHydraulic data included with structure note for culverts > 24” in diameterCatch point plot coincides with structure locationsForest, county and urban limitsTravel lanes, auxiliary lanes and shoulders dimensioned and match typical sectionsR.O.W. and easement dimensioned to control lineUtility ownerships listed on first roadway plan sheetUtility locations shown on roadway plan sheetsHorizontal and vertical control reference pointsSection, range, and townships shownBearings shown on control line |  |  |  |

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| ROADWAY PROFILEBeginning and ending stations on first and last sheetsElevation and station reference numbers on abscissa and grid ordinateEquations and original ground linePercent grade with + or -: PI, PC, and PT elevationsVertical curve length with MDS (and SSD if on crest curve)Structure elevations and clearances (includes culverts >24” in diameter)Curb and gutter profilesSoil test number and soil profileSuperelevation and runout comply with the standardBRIDGE PLANSBridge vertical and horizontal alignment consistent with roadway alignmentBridge provides required clearance at minimum clearance pointBridge superelevation consistent with roadway superelevationOTHER PLAN SHEETSDetail sheetsPlan details for (Special) pay items (if not described in the Special Provisions)ADA provisions; e.g., curb rampsGeometric layoutSurvey controlIntersection turning movements with traffic dataIntersection spot elevations and slopes for field layoutInterchangeContour mapTraffic DiagramSpot elevations and slope for field layoutSpecial structures; e.g., retaining walls, special CBCsDetour plan and profileLightingStorm sewerLandscapingStormwater Management Plan, including seeding notesSpecial environmental details: e.g. wetlands, SB40, 404SignalizationSigning and pavement marking [Page 10]Traffic Control Plans [Page 10]UtilitiesRight-of-Way restrictionsOtherTYPICAL TABULATIONS (pay items, tabulations and summary of approximate quantities) [Page 9]Each pay item (description, unit and quantity) noted only once in the plan sheetsNotation if pay item carried to another tabulation or included for information onlyEach pay item carried to the summary of approximate quantities from the plan sheet details Tabulation column titles shown as location, pay item description, unit and quantityVerify totals in tabulations or summariesTabulation pay item descriptions agree with Summary of Approximate Quantities and Item Code Book Tabulation pay units agree with both Summary of Approximate Quantities and Special ProvisionsTotals from each tabulation for each pay item carried to Summary of Approximate QuantitiesCombined totals from tabulations agree with pay item total in Summary of Approximate QuantitiesTABULATION SUMMARIESStructure, storm sewerSummary of EarthworkSurfacingRemovals, resets and adjustmentsFencingDelineatorsGuardrailCurb and gutter, sidewalks, and curb rampsSurvey monumentsTraffic [Page 10]Survey tabulation sheet (when a 625 or 629 pay item is included)Other |  |  |  |

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| GENERAL NOTES [Page 7]Notes from Design Aid 101Project specific notesQuantities transferred to a tabulation or Summary of Approximate QuantitiesSUMMARY OF APPROXIMATE QUANTITIES [Page 8]Column headingsIndex, Contract Item No., Contract Item and UnitRoadway (with “Plan” and “As Constructed” subheadings)Structure number (with “Plan” and “As Constructed” subheadings)Use subheadings as required (work done by others; i.e., not the Contractor)Force accountUtilities (when Contactor does work)Right-of-Way (if charged to project)Furnished materialsReimbursable itemsBasis of payment for all pay item numbers, descriptions and units (pay items must be defined in either Standard Specifications, Standard Special Provisions, Project Special Provisions, Standard Plans, or a note in the plan sheets [order of preference])CDOT Form 859 quantities correct in the Summary of Approximate QuantitiesPay items (usually included on all projects)MobilizationForce account for minor contract revisionsForce account for On-the-Job Trainee PilotSTANDARD PLANS LIST SHEET [Page 3]Most up to date index usedStandard plan blocks or revisions checkedSPECIAL PROVISIONSSpecifications date agrees with the date on the Bid Schedule and Engineer’s EstimatePROJECT SPECIAL PROVISIONS Index [Page 1]Project number, project code and location agree with:CDOT Form 463SAPPlan title sheetBid scheduleProjects with 8 ½” x 11” plan sheets, add note [“YELLOW PLAN SHEETS FOLLOW SPECIAL PROVISIONS”]Index agrees with actual contentsSTANDARD SPECIAL PROVISIONS IndexAll required provisions includedCurrent Standard Special Provisions Index from Standards and Specifications websiteNOTICE TO BIDDERS (first page after Index)Proposal guaranty requirementProgram Engineer, Resident Engineer, and Project Engineer names and phone numbers correct and agree with CDOT Form 859Pre-bid conference informationCOMMENCEMENT AND COMPLETION OF WORK (second page after Index)Working, calendar days or completion date match CDOT Form 859Salient features match CDOT Form 859Other modifications to Special Provisions as specified by CDOT Form 859CONTRACT GOAL (third page after Index)UDBE percentage agrees with UDBE approval and ad noticeREVISION OF SECTION 102 – PROJECT PLANS AND OTHER DATACross-section and earthwork tabulationsRIGHT-OF-WAY WITH RESTRICTIONS OR SPECIAL REQUIREMENTSOTHER PROJECT SPECIAL PROVISIONSPAY ITEMS WITH (SPECIAL) IN THE DESCRIPTION DEFINED (typically in the Special Provisions)PAY ITEMS DEFINED IN THE SPECIAL PROVISIONS INCLUDED IN SUMMARY OF APPROXIMATE QUANTITIESFORCE ACCOUNT ITEMSOrder, title and cost match Summary of Approximate Quantities and Engineer’s EstimateCorrect F/A items are marked with asterisk per specification “Instruction to Designers”TRAFFIC CONTROL PLAN – GENERAL |  |  |  |

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| ESTIMATE, SCHEDULE AND AD NOTICECOST ESTIMATECorrect Project Code (with suffix of R, S, etc., for Re-ads) for both bid and non-bid projectsUnusual funding explained on the cover sheet“Ad” is in “Stat” column in detail estimate cost summaryCost estimate prices are present with no odd cents or 0’sCorrect funding breakdownCorrect construction type shown for Federal-AidConstruction type not showing on non-Federal-Aid project or non-Federally funded item (e.g., indirect)Stamped “Confidential”SCHEDULE OF ITEMSHeading of “Bid Items”Proposal line numbers in correct order with no gapsItem descriptions, quantities and units match Summary of Approximate QuantitiesUnit Price and Bid Amount columns blankForce account items are not listed in the scheduleAD NOTICEContract letting date is ad date plus ad periodJustification written to the project file for ad periods less than three weeksThe following agree with the Plans and Special ProvisionsDBE goals, proposal guaranty and working (or calendar) daysCountiesResident Engineer phone numberBid proposal cost appropriate for the size of the plan setContract descriptionColorado Project Number same as the one under projectsLocation and descriptionConsisting of “… (major construction type) which includes (selected major items) …”Ad boilerplateList of major items headed “Major Items”FINAL ACTIONS PRIOR TO ADCHECK DISCREPANCIES RESOLVEDREVIEW AD NOTICECOMPILE AND DELIVER THE AD PACKAGEReview ad package to ensure it includesCompleted CDOT Form 155Completed CDOT Form 644ScheduleSpecial ProvisionsOriginal plan sheetsCross-section sheetsReprinting Notice for Re-Ads (if appropriate)Ad package routed or delivered to Printing and Visual Communications Center |  |  |  |