PROJECT TIP NO. I- 597Z	
COUNTY JOHNSON COUNTY	
PROJECT ENGINEER PUSSELL BROADWELL	
PROJ. DESIGN ENGINEER	

EFF. 01-15-18 REV. 10-02-17

REVIEW LIST FOR FINAL CONSTRUCTION PLANS LET UNDER THE 2018 SPECIFICATIONS

CLICK THE RIGHT BOX TO APPLY "CHECK MARK" WHEN COMPLETED APPLICABLE ITEMS ON THIS REVIEW LIST. USE THE DROPDOWN ARROW TO PLACE "N/A" BY NON-APPLICABLE ITEMS
TITLE SHEET
(1) LOCATION OF PROJECT IS COMPLETE AND ACCURATE (2) COUNTY IS SHOWN
(3) TYPE OF WORK INCLUDES ALL ITEMS SHOWN ON CURRENT TENTATIVE LETTING LIST
(4) GRAPHIC SCALES ARE SHOWN FOR PLAN AND PROFILE SHEETS (5) DESIGN DATA IS SHOWN
(6) CONTROL OF ACCESS NOTE SHOWN (FULL OR PARTIAL)
(8) VICINITY MAP INCLUDES THE FOLLOWING:
(A) CITY AND CITY LIMITS (B) INTERSTATE, U.S. AND STATE ROUTES (C) NORTH ARROW
(D) BEGINNING AND END OF PROJECT (E) TITLE BLOCK
(F) A/A OFFSITE DETOURS
9) PROJECT LAYOUT ON NUMBERED SUPERIMPOSED SHEETS INCLUDES THE
FOLLOWING:
(A) PROJECT ALIGNMENT FOR ALL PROPOSED CONSTRUCTION, (-
L- LINES, -Y- LINES, SERVICE ROADS, DETOURS, ETC)
(B)EXISTING ROADS AND STREETS AFFECTED BY
CONSTRUCTION BUT NOT A PART OF THE PROJECT
(C) ROUTE NUMBERS, SURVEY LINE NUMBERS, STREET NAMES, ETC.
(D) SYMBOLS FOR PROPOSED BRIDGES AND CULVERTS 20% m
AND OVER WITH BEGINNING AND ENDING STATIONS
(E) N/A STREAMS AND RIVERS
(F) N/A RAILROADS
(G) CITY LIMITS
(H) N/A STATE AND COUNTY LIMITS
(I) BEGINNING AND ENDING STATIONS FOR EACH PROJECT
(J) BEGIN AND END CONSTRUCTION OUTSIDE PROJECT LIMITS
(K) DESTINATION POINTS AT BEGINNING AND ENDING OF
PROJECT
(L)NORTH ARROW

(10)	PROJECT NUMBER INFORMATION INCLUDES THE FOLLOWING: (A) PROJECT CONTRACT NUMBER AND T.I.P. NUMBER ON LEFT END OF SHEET P.E., R/W, UTILITY AND CONSTRUCTION F.A. PROJECT NUMBERS IN PROJECT IDENTIFICATION BLOCK (TOP RIGHT CORNER) P.E., R/W, UTILITY AND CONSTRUCTION WBS ELEMENTS IN PROJECT IDENTIFICATION BLOCK (TOP RIGHT CORNER)	Γ
	LENGTH OF PROJECT CORRECT (LENGTH SHOWN FOR ROADWAY, STRUCTURE AND TOTAL PROJECT) SHOWN PLANS PREPARED BY: RK & K	
$(13)_{-}$	MONTH, DAY AND YEAR OF R/W AND LETTING SHOWN	
$(14)_{-}$	AREAS NOT PART OF PROJECT NOTED	
$(15)_{-}$	REMOVE CLEARING METHOD NOTE	
(16)_	REMOVE NOTE FOR MUNICIPAL BOUNDARIES	
IND	EV OF CHEFTS OF MEDIA MOTES	
	EX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARDS	
(1) -	SUBMIT 8 ½" x 11" WORK SHEETS TO PLAN REVIEW (AFTER REVIEW RETURN WORKSHEETS AND COMPLETED SHEET 1-A TO PLAN REVIEW)	
	CAL SECTIONS	
(1)	PAVEMENT SCHEDULE CORRESPONDS WITH PAVEMENT DESIGN LETTER	
(2) _	PAVEMENT COMPOSITIONS LABELED TO CORRESPOND WITH PAVEMENT SCHEDULE	•
(3) -	DIMENSIONS SHOWN ON PAVEMENT SUBGRADES STADULTATION	
	SHOULDERS, DITCHES, SLOPES, CENTERLINE TO CENTERLINE, MEDIANS, SIDEWALKS, UTILITY STRIPS, CURB & GUTTER, ETC.	
(4)	SLOPES SHOWN ON PAVEMENT OF EVIDER DANGER OF THE PARTY OF	
` ′ =	SLOPES SHOWN ON PAVEMENT, FLEXIBLE PAVEMENT EDGE, SHOULDERS SUBGRADE, DITCHES, HINGE POINT GRADING, CUTS AND FILLS, RUMBLE STRIPS	;,
(5)	STATIONS ARE PROVEN FOR THE STATION SHOWN WITH CORRECT LINE REFERENCE	
(6) _	STATIONS ARE BROKEN FOR BRIDGES AND EQUALITIES	
(7)	GRADING LIMIT LINES SHOWN	
(8) —	GRADE POINT SHOWN ON EACH TYPICAL SECTION	
$^{(9)}$ –	INFORMATION RELATED TO FUTURE CONSTRUCTION SHOWN	
$\frac{(10)}{(11)}$	VARIABLE LIMITS SHOWN	
$\frac{(11)}{(12)}$ —	NECESSARY NOTES OF EXPLANATION SHOWN	
12)	TEMPORARY PAVEMENT REQUIRES A TEMPORARY PAVEMENT DESIGN	
	FROM THE PAVEMENT MANAGEMENT UNIT AND A TYPICAL SECTION	
DETA	ILS (WHERE APPLIED)	
(1)	N/A INTERSECTIONS AND ISLANDS	
(2)	LAYOUT OF SYMBOLS FOR TYPES OF CONCRETE PAVEMENT (THROUGH	
	ETTIES, ICAIMI S AND MISCELLANE()[IN]	
(3)	RIP RAP NOT SHOWN BY STANDARDS	
(4)	VA TEMPORARY SHORING	

(5) N/A BENCH SLOPES (6) _ M/A ROCK PLATING (7) SPECIAL DRAINAGE STRUCTURE OR ENDWALLS (8) SPECIAL DITCHES (9) A/A GUARDRAIL NOT COVERED BY STANDARDS (10) ASPHALT WEARING SURFACE ON CORED SLAB AND BOX BEAM BRIDGES PLAN SHEETS (1) ______ BEGINNING AND ENDING STATIONS ARE SHOWN ON FIRST AND LAST PLAN SHEET TO AGREE WITH TITLE SHEET AND TYPICAL SECTIONS (2) _____ EXISTING PAVEMENT WIDTH AND TYPE IS SHOWN (3) _____ GRADE LINES AND DESIGN CORRECT (4) _____ THE FOLLOWING ARE SHOWN ON EACH PLAN AND/OR PROFILE SHEET: (A) _____ NORTH ARROW (B) _____ BEARINGS (C) CURVE DATA WITH SUPERELEVATION AND RUNOFF (D) _____ CONSTRUCTION LIMITS, BERM DITCHES AND LATERAL **DITCHES** (E) _____ PROPERTY OWNERS, PROPERTY LINES AND PARCEL **NUMBERS** R/W, EASEMENT, CONTROL OF ACCESS BREAKS BY STATION AND DISTANCE AREAS TO REMAIN UNDISTURBED WITHIN THE RIGHT-OF-WAY ARE CLEARLY MARKED (H) ___ FENCE AND TYPE STREETS, ROADS AND DRIVEWAYS (I)___ (J) ONSITE DETOURS (SEPERATE DETAIL SHEETS) (K) _____ DISPOSITION OF OLD ROADS IF PROJECT IS A RELOCATION (L) _____DIMENSIONS OF PAVEMENT AND SHOULDERS IN RELATION TO PROPOSED BRIDGE WIDTH (SKETCH) (M) PROPOSED PAVEMENT AND RIGHT-OF-WAY WIDTHS AT THE BEGINNING AND END OF EACH SHEET (N) _____ SHOW LANE LINES AT INTERSECTIONS, TAPERS, AUXILIARY LANES, ETC. (O) ______ -Y- LINES WITH BEGINNING AND ENDING CONSTRUCTION STATIONS AND STATION TIES WITH MAIN LINE TRAFFIC DATA FOR INTERSECTIONS (Q) _____ LIMITS OF PAVED SHOULDERS AT INTERSECTIONS (R) ______NOTE WHERE SIGHT DISTANCE GRADING IS REQUIRED (S) BORROW AND/OR WASTE AREAS IF FURNISHED BY DOT (T) _____ REMOVAL OF EXISTING PIPES (U) _____ PIPES TO BE PLUGGED (V) CROSS REFERENCE NOTES CORRECT (W) _____ SYMBOL DENOTING PAVEMENT REMOVAL LOCATIONS (X) BEGINNING AND END STATION FOR BRIDGES AND CULVERTS (Y) UNDERCUT EXCAVATION ON PROFILE
(Z) STRUCTURAL SHEET NUMBERS, IF COMBINED BID (AA) HYDRAULIC DATA (DRAINAGE AREA, FREQUENCY, ETC.)

(CC) BENCH MARKS (PROFILES AND/OR SURVEY CONTROL SHEETS) (DD) LABEL QUANTITIES AT EACH LOCATION AS FOLLOWS: 1. RIP RAP 2. DRAINAGE DITCH EXCAVATION 3. GEOTEXTILE FOR DRAINAGE (FF) REMOVE BASELINE AND BASELINE STATIONS (GG) ENSURE BASELINE DATA IS SHOWN WITH POINT SYMBOL AND POINT NUMBER (HH) LABEL WELLS TO BE SEALED AND ABANDONED.
INTERCHANGE SHEETS
(1) INTERCHANGE SHEETS PROPERLY MATCHED WITH ADJACENT PLAN SHEET WITH NO OVERLAPPING COVERAGE, IF POSSIBLE STRUCTURES CHECKED FOR VERTICAL AND HORIZONTAL CLEARANCES (3) THE FOLLOWING INFORMATION SHOWN ON THE INTERCHANGE DETAILS AND PROFILES: (A) TRAFFIC DATA (B) BAR SCALE (C) ADDITIONAL ITEMS AS LISTED UNDER PLAN SHEETS (4) MO CONTOUR GRADING DETAIL SHOWN, IF REQUESTED BY THE DIVISION (5) N/A CROSS-SECTION LAYOUT DETAIL/SHEAR POINT DIAGRAM(NOT ALWAYS REQUIRED FOR DIAMOND INTERCHANGE)
INTERSECTION SHEETS
THE INFORMATION SHOWN ON THE INTERSECTION DETAILS SHALL BE RESTRICTED TO DESIGN DATA ONLY. THE FOLLOWING SHALL BE SHOWN: (1)//_A SHOW INFORMATION FOR CONSTRUCTING THREE CENTERED CURVES (2)//A ISLAND DETAILS (3)//A LEGEND FOR ISLANDS, SIDEWALKS, CURB RAMPS (4)//A ALIGNMENT (5)//A LANE MARKINGS (6)//A BAR SCALE (7)//A PROPOSED EDGES OF PAVEMENT (8)//A NORTH ARROWS (9)//A SUPERELEVATION RATES (10)//A PAVED SHOULDER WIDTHS (11)//A SUFFICIENT DIMENSIONS AND TIE POINTS FOR FIELD LOCATION
<u>CROSS-SECTIONS</u>
(1) SHOW EXISTING GROUND LINE, STATIONS AND ELEVATIONS (2) TEMPLATES SHOWING LABELED CUT AND FILL SLOPES, GUARDRAIL WIDENING, DITCHES, CHANNEL CHANGES, ETC. (3) GEOLOGY REPORT REVIEWED TO ASSURE CONFORMITY WITH PLANS

(4) _____ UNDERCUT EXCAVATION AND/ OR SHALLOW UNDERCUT SYMBOL IS SHOWN (5) NOTE ON CROSS-SECTION SUMMARY SHEET SHOULD INDICATE WHETHER OR NOT THE EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT (6) _____ EARTHWORK COMPUTATION SHEETS COMPLETE (7) ____ CROSS-SECTIONS CHECKED TO ASSURE ADEQUATE SIGHT DISTANCES AT BRIDGES AND INTERSECTIONS (8) NOTE SHOWN ON CROSS-SECTION SUMMARY SHEET SCALE SHOWN ON EACH SHEET GUARDRAIL DESIGN (1) _____ GUARDRAIL SHOWN FOR BRIDGE PIERS, CULVERTS, LARGE PIPE, SIGN SUPPORTS AND OTHER FIXED OBJECTS (2) _____ GUARDRAIL SHOWN FOR PONDS, RIVERS AND OTHER WATER RELATED **HAZARDS** (3) GUARDRAIL SHOWN ON PLANS
(4) GUARDRAIL SHOWN ON THE GUARDRAIL SUMMARY SHEET (5) K/A SPECIAL DETAILS SHOWN AS REQUIRED (6) ENSURE THAT THE STRUCTURE GUARDRAIL ANCHOR SHOWN ON THE PLANS ATTACHES TO THE BRIDGE BARRIER **SUMMARY OF QUANTITIES** (1) COMPUTATION SHEET TOTALS FOR EACH PAY ITEM CHECKED AGAINST ESTIMATE (2) ______ SUMMARY SHEETS INITIALED BY PERSON WHO WORKED AND CHECKED **SUMMARIES** (3) _____ REFERENCE PAVEMENT STRUCTURE VOLUME (WHEN APPLICABLE) BELOW EARTHWORK SUMMARY (4) _____ EARTHWORK SUMMARY (SHOW NOTE RELATED TO GEO-TECH DATA) (5) DRAINAGE SUMMARY (6) GUARDRAIL SUMMARY (7) SHOULDER DRAIN SUMMARY (8) PAVEMENT REMOVAL SUMMARY (9) N/A FENCE SUMMARY (URBAN PROJECTS) (10) GEOTECHNICAL SUMMARIES (SHEET 3G-1) (11) _____ MISCELLANEOUS SUMMARIES AS NECESSARY ESTIMATES \$ TO BE COMPLETED AFTER NCDOT 90% PLAN REVIEW (1) _____ ESTIMATE MADE FOR EACH WBS ELEMENT, FEDERAL PROJECT NUMBER, AND OTHER PARTS AS NECESSARY (2) _____ FINAL TRNS*PORT ESTIMATE CHECKED AGAINST THE QUANTITY **CALCULATIONS** (3) _____ DESCRIPTION NUMBER, SECTION NUMBER AND ITEM DESCRIPTION CHECKED AGAINST PAY ITEM LIST (4) _____ FORCE ACCOUNT ITEMS INCORPORATED INTO THE ESTIMATE ON F.A. **PROJECTS** TRNS*PORT ESTIMATE PLACED IN THE PROJECT FILE (5) (6) PROJECT LENGTH SHOWN ON ESTIMATE AGREES WITH TITLE SHEET

(ROADWAY'S LENGTH ONLY) COST BASED ESTIMATE QUANTITY BREAKDOWN SUMMARY SHEET COMPLETED INCLUDE ON ROADWAY ESTIMATE ANY STRUCTURE REMOVAL PAY ITEMS NOT INCLUDED ON THE STRUCTURE ESTIMATE GENERAL (1) _____ CHECK SUBSURFACE PLANS WITH GRADE LINE AND EARTHWORK BALANCE SHEET AGAINST FINAL ROADWAY PLANS ALL FILE FOLDERS IDENTIFIED BY CONSTRUCTION WBS ELEMENT, T.I.P. NUMBER, CONTRACT NUMBER AND COUNTY ALL QUANTITY CALCULATION SHEETS IDENTIFIED BY THE T.I.P. NUMBER. SHOW CONSTRUCTION WBS ELEMENT AND SIGNATURE ON SHEET NO. 1 (4) _____ EXCAVATION QUANTITIES AT CULVERTS HAVE BEEN COORDINATED WITH STRUCTURE MANAGEMENT REMOVE "PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION" NOTE FROM ALL SHEETS (6) N/A DESIGN EXCEPTION REQUESTED, APPROVED, AND NOTED ON PLANS RIGHT-OF-WAY REVISION NOTES REMOVED FROM THE PLANS T.I.P. NUMBER IS SHOWN ON ALL SHEETS (8) COORDINATE FINAL PLANS WITH PLANNING & ENVIRONMENTAL AND HYDRAULICS UNIT TO ENSURE COMPLIANCE WITH PERMIT (10) WA UTILITY ITEMS ARE INCLUDED LANDSCAPE AND EROSION CONTROL ITEMS ARE INCLUDED (11)(12) ____ SIGNING AND SIGNALIZATION ITEMS ARE INCLUDED (13)___ TRAFFIC CONTROL PLAN ITEMS ARE INCLUDED (14) SHOW RIGHT-OF-WAY PLAN SHEET NUMBER IN THE MARGIN ABOVE THE TITLE BLOCK IF DIFFERENT FROM CONSTRUCTION SHEET NUMBERS (EXAMPLE: R/W 12) COMPLETE CHECKLIST FOR COORDINATION OF ROADWAY AND STRUCTURE PLANS (CIRCLE TYPE OF APPROACH FILL SPECIFIED IN STRUCTURE PLANS ITEM #8) _ PLACE IMAGE OF PROFESSIONAL ENGINEER SEAL (MULTIPLE SEALS MAY BE REQUIRED ON A SINGLE SHEET) WITH ENGINEER'S NAME AND LICENSE NUMBER. ELECTRONIC SIGNATURES ARE NOT REQUIRED AT THE INITIAL TURN-IN TO PLAN REVIEW. N/A HAS PAVEMENT MANAGEMENT REVIEWED PLANS FOR SHOULDER DRAIN LOCATIONS? (18) _____ SUBMIT FULL SIZE CROSS-SECTION SHEET IF 30 SHEETS OR LESS. SUBMIT LEDGER CROSS-SECTION SHEETS IF 31 SHEETS OR MORE. ENSURE PLANS INCLUDE ANY "ENVIRONMENTAL COMMITMENTS". (19)* ALL INDIVIDUAL PDF SHEETS MUST BE SCALED 34" WIDE X 22" HIGH. (20) __ BIND PLANS WITH BINDER CLIPS. NO SCREWS, PLEASE. (21) PROJECT FILE CONTAINS CORRESPONDENCE RELATED TO STANDARD (22)SPECIFICATIONS SECTIONS 210 OR 215. INCLUDE PARCEL INDEX SHEET (FOR PROJECTS WITH 2 OR MORE PLAN SHEETS AS 3P-1.

