

GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
09-29-2020				6	ARK.			
10-08-2020						JOB NO. 090438	3	69

2 GOVERNING SPECIFICATIONS AND GENERAL NOTES



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NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
FHWA-1273	SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
FHWA-1273	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273	SUPPLEMENT - WAGE RATE DETERMINATION
100-3	CONTRACTOR'S LICENSE
100-4	DEPARTMENT NAME CHANGE
102-2	ISSUANCE OF PROPOSALS
108-1	LIQUIDATED DAMAGES
108-2	WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
110-1	PROTECTION OF WATER QUALITY AND WETLANDS
210-1	UNCLASSIFIED EXCAVATION
303-1	AGGREGATE BASE COURSE
306-1	QUALITY CONTROL AND ACCEPTANCE
400-1	TACK COATS
400-4	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
400-5	PERCENT AIR VOIDS FOR ACHM MIX DESIGNS
400-6	LIQUID ANTI-STRIP ADDITIVE
400-7	TRACKLESS TACK
404-3	DESIGN OF ASPHALT MIXTURES
410-1	CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
410-2	DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS
502-1	WELDED WIRE REINFORCEMENT
505-1	PORTLAND CEMENT CONCRETE DRIVEWAY
600-2	INCIDENTAL CONSTRUCTION
603-1	LANE CLOSURE NOTIFICATION
604-1	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
604-3	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES (MASH)
605-1	CONCRETE DITCH PAVING
606-1	PIPE CULVERTS FOR SIDE DRAINS
620-1	MULCH COVER
621-1	FILTER SOCKS
632-1	CONCRETE ISLAND
633-1	CONCRETE WALKS, CONCRETE STEPS, AND HAND RAILING
634-1	CURBING
700-2	TRAFFIC CONTROL FACILITIES
JOB 090438	ACTUATED CONTROLLER
JOB 090438	AIRPORT CLEARANCE REQUIREMENTS
JOB 090438	ANTENNA SUPPORT
JOB 090438	ARCHITECTURAL FINISH (CAST-IN PLACE RETAINING WALLS)
JOB 090438	ASSESSMENT OF WORKING DAYS - MAINTENANCE OF TRAFFIC
JOB 090438	BIDDING REQUIREMENTS AND CONDITIONS
JOB 090438	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB 090438	CABINET DRAWER ASSEMBLY
JOB 090438	CARGO PREFERENCE ACT REQUIREMENTS
JOB 090438	CONCRETE WALKS (TYPE SPECIAL)
JOB 090438	DELAY IN RIGHT OF WAY OCCUPANCY
JOB 090438	DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES
JOB 090438	EDGE CARD VIDEO PROCESSOR
JOB 090438	ELECTRICAL CONDUCTORS FOR LUMINAIRES
JOB 090438	ELECTRICAL CONDUCTORS-IN-CONDUIT
JOB 090438	ESTABLISHING CONTRACT TIME - WORKING DAY CONTRACT
JOB 090438	FLEXIBLE BEGINNING OF WORK
JOB 090438	GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
JOB 090438	LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
JOB 090438	LED LUMINAIRE ASSEMBLY (BUG UO TYPE)
JOB 090438	LED TRAFFIC SIGNAL HEAD
JOB 090438	MAINTENANCE OF TRAFFIC
JOB 090438	MANDATORY ELECTRONIC CONTRACT
JOB 090438	MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
JOB 090438	PRICE ADJUSTMENT FOR ASPHALT BINDER
JOB 090438	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT
JOB 090438	RETROREFLECTIVE BACKPLATES
JOB 090438	SERVICE POINT ASSEMBLY (TRAFFIC CONTROL DEVICES)
JOB 090438	SHORING FOR CULVERTS
JOB 090438	STORM WATER POLLUTION PREVENTION PLAN
JOB 090438	STREET NAME SIGN (MAST ARM MOUNTED)
JOB 090438	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 090438	SYSTEM LOCAL CONTROLLER
JOB 090438	TEXTURED COATING FINISH (CAST-IN PLACE RETAINING WALLS)
JOB 090438	THERMOPLASTIC PAVEMENT MARKING (YIELD LINE)
JOB 090438	UTILITY ADJUSTMENTS
JOB 090438	VIDEO DETECTOR (COLOR)
JOB 090438	WARM MIX ASPHALT

GENERAL NOTES

- GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
- ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U. S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
- ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- THE SEQUENCE AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS IS A GENERAL OUTLINE FOR THE CONSTRUCTION OF THIS PROJECT, AND IN NO WAY IS IT INTENDED TO COVER EVERY ITEM IN THE PROJECT. ITEMS NOT CRITICAL TO THE CONSTRUCTION SEQUENCE MAY BE CONSTRUCTED IN ANY STAGE AS APPROVED BY THE RESIDENT ENGINEER.
- ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
- THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- MATERIAL GENERATED FROM COLD MILLING OPERATIONS SHALL REMAIN THE PROPERTY OF THE DEPARTMENT AND SHALL BE TRANSPORTED TO AND STOCKPILED AT THE LOCATION SPECIFIED ON SHEET 25. NO DIRECT PAYMENT WILL BE MADE FOR LOADING, HAULING, AND STOCKPILING OF EXCESS MILLING MATERIAL; PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR COLD MILLING ASPHALT PAVEMENT. COLD MILLING SHALL BE STOCKPILED IN A TRAPEZOIDAL SHAPE, OR AS DIRECTED BY THE ENGINEER, WHICH CAN BE EASILY MEASURED.

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SUMMARY OF QUANTITIES (BOX 1 OF 2)

ITEM NUMBER	ITEM	QUANTITY	UNIT
201	CLEARING	2	STATION
201	GRUBBING	2	STATION
202	REMOVAL AND DISPOSAL OF CURB	1570	LIN. FT.
202	REMOVAL AND DISPOSAL OF CURB AND GUTTER	792	LIN. FT.
202	REMOVAL AND DISPOSAL OF ROCK WALLS	8	LIN. FT.
202	REMOVAL AND DISPOSAL OF CONCRETE PAVEMENT	287	SQ. YD.
202	REMOVAL AND DISPOSAL OF CONCRETE ISLANDS	107	SQ. YD.
202	REMOVAL AND DISPOSAL OF CONCRETE DRIVEWAYS	970	SQ. YD.
202	REMOVAL AND DISPOSAL OF WALKS	427	SQ. YD.
202	REMOVAL AND DISPOSAL OF SIGN FOUNDATIONS	11	EACH
202	REMOVAL AND DISPOSAL OF PIPE CULVERTS	1	EACH
202	REMOVAL AND DISPOSAL OF HEADWALLS	2	EACH
202	REMOVAL AND DISPOSAL OF CONCRETE DITCH PAVING	4	SQ. YD.
202	REMOVAL AND DISPOSAL OF LUMINAIRE POLE AND FOUNDATION	2	EACH
202	REMOVAL AND DISPOSAL OF SIGNS	14	EACH
202	REMOVAL AND DISPOSAL OF PLANTERS	3	EACH
202	REMOVAL AND DISPOSAL OF SPRINKLER SYSTEM	2	EACH
SS & 210	UNCLASSIFIED EXCAVATION	1712	CU. YD.
210	COMPACTED EMBANKMENT	1413	CU. YD.
SS & 303	AGGREGATE BASE COURSE (CLASS 7)	715	TON
SS & 309	PORTLAND CEMENT CONCRETE BASE (5" UNIFORM THICKNESS)	1121	SQ. YD.
SS & 401	TACK COAT	1782	GAL.
SP, SS, & 405	MINERAL AGGREGATE IN ACHM BASE COURSE (1 1/2")	679	TON
SP, SS, & 405	ASPHALT BINDER (PG 64-22) IN ACHM BASE COURSE (1 1/2")	28	TON
SP, SS, & 406	MINERAL AGGREGATE IN ACHM BINDER COURSE (1")	466	TON
SP, SS, & 406	ASPHALT BINDER (PG 64-22) IN ACHM BINDER COURSE (1")	20	TON
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	1686	TON
SP, SS, & 407	ASPHALT BINDER (PG 64-22) IN ACHM SURFACE COURSE (1/2")	6	TON
SP, SS, & 407	ASPHALT BINDER (PG 70-22) IN ACHM SURFACE COURSE (1/2")	88	TON
412	COLD MILLING ASPHALT PAVEMENT	4179	SQ. YD.
SP, SS, & 414	ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC	11	TON
SP, SS, & 415	ACHM PATCHING OF EXISTING ROADWAY	25	TON
SS & 505	PORTLAND CEMENT CONCRETE DRIVEWAY	1572.21	SQ. YD.
601	MOBILIZATION	1.00	LUMP SUM
SP, SS, & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
SS & 604	SIGNS	321	SQ. FT.
SS & 604	TRAFFIC DRUMS	27	EACH
SS & 604	TRAFFIC CONE	42	EACH
604	CONSTRUCTION PAVEMENT MARKINGS	8961	LIN. FT.
604	CONSTRUCTION PAVEMENT MARKINGS (WORDS)	3	EACH
604	CONSTRUCTION PAVEMENT MARKINGS (ARROWS)	11	EACH
SS & 605	CONCRETE DITCH PAVING (TYPE B)	3	SQ. YD.
606	18" REINFORCED CONCRETE PIPE CULVERTS (CLASS III)	134	LIN. FT.
606	18" REINFORCED CONCRETE PIPE CULVERTS (CLASS III) (ALTERNATE NO. 1)	1255	LIN. FT.
606	18" SMOOTH LINED POLYMER PRECOATED METALLIC COATED CORRUGATED STEEL PIPE (ALTERNATE NO. 2)	1255	LIN. FT.
SS & 606	12" SIDE DRAIN	312	LIN. FT.
606	18" FLARED END SECTIONS FOR REINFORCED CONCRETE PIPE CULVERTS	3	EACH
606	SELECTED PIPE BEDDING	100	CU. YD.
SS & 609	DROP INLETS (TYPE MO)	10	EACH
SS & 609	DROP INLETS (TYPE SPECIAL)	1	EACH
SS & 609	JUNCTION BOXES (TYPE E)	3	EACH
SS & 609	DROP INLET EXTENSIONS (4')	1	EACH
SS & 609	YARD DRAINS	5	EACH
SS & 611	4" PIPE UNDERDRAINS	450	LIN. FT.
620	LIME	1.00	TON
620	SEEDING	0.24	ACRE
SS & 620	MULCH COVER	3.13	ACRE
620	WATER	101.0	M. GAL.
621	TEMPORARY SEEDING	2.89	ACRE
621	SILT FENCE	1486	LIN. FT.
621	SEDIMENT BASIN	20	CU. YD.
621	OBLITERATION OF SEDIMENT BASIN	20	CU. YD.
621	SEDIMENT REMOVAL AND DISPOSAL	111	CU. YD.
621	ROCK DITCH CHECKS	36	CU. YD.
SS & 621	FILTER SOCK (18")	600	LIN. FT.
623	SECOND SEEDING APPLICATION	0.24	ACRE
624	SOLID SODDING	1398	SQ. YD.
626	EROSION CONTROL MATTING (CLASS 3)	271	SQ. YD.
SS & 632	CONCRETE ISLAND	386	SQ. YD.
SS & 633	CONCRETE WALKS	856	SQ. YD.
SP, SS, & 633	CONCRETE WALKS (TYPE SPECIAL)	407	SQ. YD.
SS & 633	HAND RAILING	229	LIN. FT.
SS & 634	CONCRETE COMBINATION CURB AND GUTTER (TYPE A) (1' 6")	3340	LIN. FT.
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM
637	MAILBOXES	3	EACH
637	MAILBOX SUPPORTS (SINGLE)	3	EACH
641	WHEELCHAIR RAMPS (TYPE 3)	68	SQ. YD.
SP & 701	ACTUATED CONTROLLER TS2-TYPE 2 (8 PHASES)	1	EACH
SP & 701	SYSTEM LOCAL CONTROLLER TS2-TYPE 2 (8 PHASES)	1	EACH
SP	ANTENNA SUPPORT (SHOE BASE, 35' HT.)	1	EACH
SP	LOCAL RADIO WITH ANTENNA	1	EACH
SP	ANTENNA CABLE (TYPE 6)	75	LIN. FT.
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	15	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	8	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (5 SECTION, 1 WAY)	1	EACH
SP & 707	COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED	8	EACH
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	3515	LIN. FT.
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	2022	LIN. FT.
708	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	819	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., E.G.C.)	917	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/12 A.W.G., E.G.C.)	220	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	90	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	1039	LIN. FT.
709	GALVANIZED STEEL CONDUIT (2")	40	LIN. FT.
709	GALVANIZED STEEL CONDUIT (3")	70	LIN. FT.

* DENOTES ALTERNATE BID ITEMS.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
09-29-2020				6	ARK.			
10-08-2020						JOB NO. 090438	26	69

2 SUMMARY OF QUANTITIES AND REVISIONS



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SUMMARY OF QUANTITIES (BOX 1 OF 2)

ITEM NUMBER	ITEM	QUANTITY	UNIT
710	NON-METALLIC CONDUIT (2")	150	LIN. FT.
710	NON-METALLIC CONDUIT (3")	848	LIN. FT.
711	CONCRETE PULL BOX (TYPE 2)	2	EACH
711	CONCRETE PULL BOX (TYPE 2 HD)	10	EACH
SS & 713	SPAN WIRE ASSEMBLY	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (34')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (36')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (42')	2	EACH
SP	LED LUMINAIRE ASSEMBLY	4	EACH
SS & 715	TRAFFIC SIGNAL PEDESTAL POLE WITH FOUNDATION	4	EACH
SP	SERVICE POINT ASSEMBLY (2 CIRCUITS)	1	EACH
SP	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	1.00	LUMP SUM
716	TREATED WOOD POLE (CLASS 2, 45')	3	EACH
718	REFLECTORIZED PAINT PAVEMENT MARKING WHITE (10")	191	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING WHITE (6")	1447	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING WHITE (8")	640	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING WHITE (12")	991	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	4732	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING (WORDS)	6	EACH
719	THERMOPLASTIC PAVEMENT MARKING (ARROWS)	11	EACH
SP & 719	THERMOPLASTIC PAVEMENT MARKING (YIELD LINE)	28	LIN. FT.
721	RAISED PAVEMENT MARKERS (TYPE II)	59	EACH
SP	18" STREET NAME SIGN	4	EACH
SP & 733	VIDEO DETECTOR (CLR)	17	EACH
733	VIDEO CABLE	4178	LIN. FT.
733	VIDEO MONITOR (CLR)	2	EACH
SP & 733	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	9	EACH
SP & 733	VEHICLE DETECTOR RACK (16 CHANNEL)	2	EACH
SP	ARCHITECTURAL FINISH	1789	SQ. FT.
SP	TEXTURED COATING FINISH	201	SQ. YD.

REVISIONS

DATE	REVISION	SHEET NUMBER
9/29/2020	ADDED "DELAY IN RIGHT OF WAY OCCUPANCY" SPECIAL PROVISION TO GOVERNING SPECIFICATIONS LIST AND PROVIDED SPECIAL PROVISION.	3,26
10/8/2020	ADDED SS 400-7 AND SS 502-1 TO GOVERNING SPECIFICATIONS LIST AND REVISED SS 100-3.	3, 26