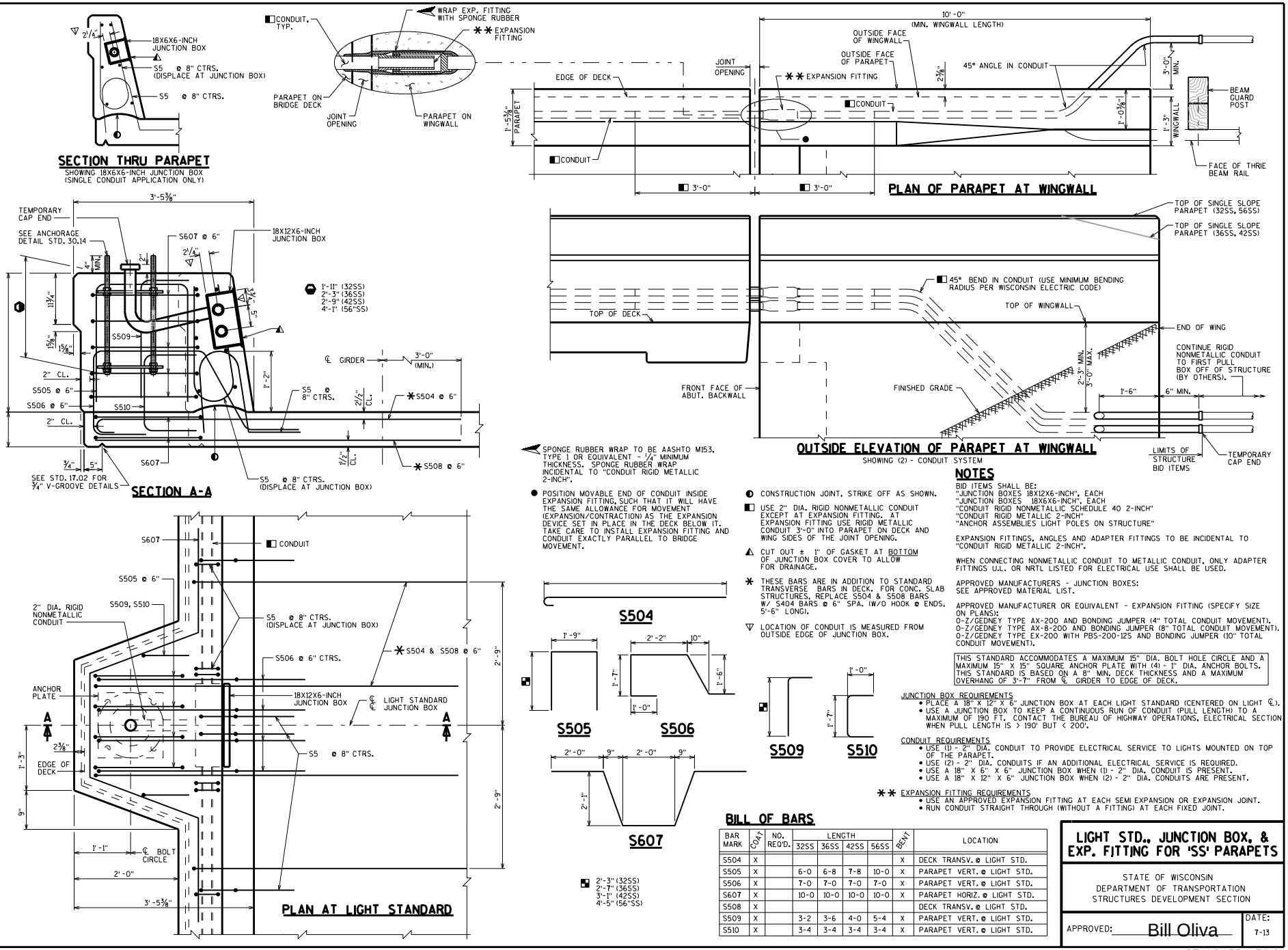

NOTES

BID ITEMS SHALL BE:
"JUNCTION BOXES 18X12X6-INCH", EACH
"JUNCTION BOXES 18X6X6-INCH", EACH
"CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH"
"CONDUIT RIGID METALLIC 2-INCH"
"ANCHOR ASSEMBLIES LIGHT POLES ON STRUCTURE"

EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".

WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS U.L. OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED.

APPROVED MANUFACTURERS - JUNCTION BOXES:
SEE APPROVED MATERIAL LIST.

APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTING (SPECIFY SIZE ON PLANS):
O-Z/GEDNEY TYPE AX-200 AND BONDING JUMPER (4" TOTAL CONDUIT MOVEMENT).
O-Z/GEDNEY TYPE AX-8-200 AND BONDING JUMPER (8" TOTAL CONDUIT MOVEMENT).
O-Z/GEDNEY TYPE EX-200 WITH PBS-200-125 AND BONDING JUMPER (10" TOTAL CONDUIT MOVEMENT).

THIS STANDARD ACCOMMODATES A MAXIMUM 15" DIA. BOLT HOLE CIRCLE AND A MAXIMUM 15" X 15" SQUARE ANCHOR PLATE WITH (4) - 1" DIA. ANCHOR BOLTS. THIS STANDARD IS BASED ON A 8" MIN. DECK THICKNESS AND A MAXIMUM OVERHANG OF 3'-7" FROM ℄ GIRDER TO EDGE OF DECK.

JUNCTION BOX REQUIREMENTS
- PLACE A 18" X 12" X 6" JUNCTION BOX AT EACH LIGHT STANDARD (CENTERED ON LIGHT ℄).
- USE A JUNCTION BOX TO KEEP A CONTINUOUS RUN OF CONDUIT (PULL LENGTH) TO A MAXIMUM OF 190 FT. CONTACT THE BUREAU OF HIGHWAY OPERATIONS, ELECTRICAL SECTION WHEN PULL LENGTH IS > 190' BUT < 200'.

CONDUIT REQUIREMENTS
- USE (1) - 2" DIA. CONDUIT TO PROVIDE ELECTRICAL SERVICE TO LIGHTS MOUNTED ON TOP OF THE PARAPET.
- USE (2) - 2" DIA. CONDUITS IF AN ADDITIONAL ELECTRICAL SERVICE IS REQUIRED.
- USE A 18" X 6" X 6" JUNCTION BOX WHEN (1) - 2" DIA. CONDUIT IS PRESENT.
- USE A 18" X 12" X 6" JUNCTION BOX WHEN (2) - 2" DIA. CONDUITS ARE PRESENT.

EXPANSION FITTING REQUIREMENTS
- USE AN APPROVED EXPANSION FITTING AT EACH SEMI EXPANSION OR EXPANSION JOINT.
- RUN CONDUIT STRAIGHT THROUGH (WITHOUT A FITTING) AT EACH FIXED JOINT.

BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH 32SS	36SS	42SS	56SS	BENT	LOCATION
S504	X						X	DECK TRANSV. @ LIGHT STD.
S505	X		6-0	6-8	7-8	10-0	X	PARAPET VERT. @ LIGHT STD.
S506	X		7-0	7-0	7-0	7-0	X	PARAPET VERT. @ LIGHT STD.
S607	X		10-0	10-0	10-0	10-0	X	PARAPET HORIZ. @ LIGHT STD.
S508	X							DECK TRANSV. @ LIGHT STD.
S509	X		3-2	3-6	4-0	5-4	X	PARAPET VERT. @ LIGHT STD.
S510	X		3-4	3-4	3-4	3-4	X	PARAPET VERT. @ LIGHT STD.

LIGHT STD., JUNCTION BOX, & EXP. FITTING FOR 'SS' PARAPETS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED: Bill Oliva

DATE: 7-13

STANDARD 30.21