# I-95 HOV/HOT Lanes Project

# Exhibit C

# Technical Requirements
# Attachment 3.15c
# Bridge Repair Table

| FLUOR-LANE BID ITEM NO. | DESCRIPTION | UNIT | #32 HOT over NSRR (MOD. DECK DRAINAGE) | #33 HOT over I-495 WB & Ramps (NO MAINTENANCE) | #43 Ramp OK-H over I95 SBL & HOT (NO MAINTENANCE) | #43A Ramp OK-H over Keene Mill Rd. (GEN. REPAIRS) | #46 Ramp H-S over HOT (NO MAINTENANCE) | #47 Franc-Springfield Pkwy (MAINTENANCE IN BRIDGE QTY'S) | #48B Ramp H-N over I95 NBL (GEN. REPAIRS) | #50 HOT over Accotink Crk. (MOD. DECK DRAINAGE & GEN. MAINT.) | #52 HOT over Pohick Crk. (NO MAINTENANCE) | #52B SB GP over Pohick Crk. (MODIFICATIONS DUE TO SW) | #53 HOT over Lorton Rd. (Rte. 642) (MOD. DECK DRAINAGE) | #54 HOT over Ramp C (@ Route 1) (ALL WORK LISTED IN "WIDENING" SECTION) | #56 HOT over Furnace Rd. (MOT & JOINT WORK IN "WIDENING") | #57 HOT over Occoquan River (MOD. DECK DRAINAGE & GEN. REPAIRS) | #57A Flyover to Rte. 123 (GEN. REPAIRS) | #59 HOT over Occoquan Rd. (GEN. REPAIRS) | #59B HOT Flyover to CM Lot (NO MAINTENANCE) | #60A SB Flyover over I95 SBL (GEN. REPAIRS) | #60B NB Flyover over I95 NBL (GEN. REPAIRS) | #63 HOT over Neabsco Crk. (GEN. REPAIRS) | #63A NB GP over Neabsco Crk. (MODIFICATIONS DUE TO SW) | #65 HOT over Powells Crk. (GEN. REPAIRS) | #67 HOT over Quantico Crk. & Rte. 629 (GEN. REPAIRS) | #67B NB GP over Quantico Crk. & Rte. 629 (MODIFICATIONS DUE TO SW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **68000** | *******BRIDGE MODIFICATIONS******* | | | **No** | **No** | **No** | **No** | **No** | **No** | | **No** | **No** | | **No** | **No** | | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** |
| 68010 | CONC CLASS A4-APPR SLAB | CY | | | | | | | | | | | | | | | | | | | | | | | | |
| 68020 | RE STL- APPR SLAB - BLACK REINFORCED STEEL | LB | | | | | | | | | | | | | | | | | | | | | | | | |
| 68030 | DECK DRAINAGE SYSTEM | LS | 1 | | | | | | | 1 | | | 1 | | | 1 | | | | | | | | | | |
| 68040 | PREF ELASTO JOINT SEALER 2" | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 68050 | ITS/TRAF CONDUIT BRACKETS | EA | | | | | | | | | | | | | | | | | | | | | | | | |
| 68060 | TY I SELECT MATERIAL | CY | | | | | | | | | | | | | | | | | | | | | | | | |
| 68070 | REM ASPHALT CONC OVERLAY | SY | | | | | | | | | | | | | | | | | | | | | | | | |
| 68080 | ASPH CONC OVERLAY TY SM-12.5A | TN | | | | | | | | | | | | | | | | | | | | | | | | |
| 68090 | AGG MATL 21B | TN | | | | | | | | | | | | | | | | | | | | | | | | |
| 68100 | EXPANSION JOINT RECONSTRUCTION | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 68110 | CLEAN AND RESEAL STRIP SEAL | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| **70000** | *******BRIDGE REHABS DUE TO CHLORIDES******* | | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** |
| **70500** | ******BRIDGE MODS DUE TO SOUND WALLS****** | | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | | **No** | **No** | |
| 70505 | CONC CL A4 SUPER STR | CY | | | | | | | | | | | | | | | | | | | | | | | | |
| 70510 | BRIDGE DECK GROOVING | SY | | | | | | | | | | | | | | | | | | | | | | | | |
| 70515 | EPOXY CTD RESTL-SUPER STR | LB | | | | | | | | | | | | | | | | | | | | | | | | |
| 70520 | R&R PREF ELASTO JOINT SEALER 1 1/4" | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 70525 | R&R PREF ELASTO JOINT SEALER 1 5/8" | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 70530 | R&R PREF ELASTO JOINT SEALER 2" | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 70535 | CONC PARAPET 32" F SHAPE | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 70540 | DEMO BRIDGE DECK | CY | | | | | | | | | | | | | | | | | | | | | | | | |
| 70545 | DEMO SUBSTRUCTURE | CY | | | | | | | | | | | | | | | | | | | | | | | | |
| 70550 | REM EXIST BARRIER | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 70555 | REMOVE EXIST GUARDRAIL | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 70560 | GUARDRAIL GR-2 | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 70565 | ATTACH G/R TERM TO PARAPET | EA | | | | | | | | | | | | | | | | | | | | | | | | |
| 70570 | STR STEEL ROLLED SW POSTS GR 50 | LB | | | | | | | | | | | | | | | | | | | | | | | | |
| 70571 | STR STEEL PL GIRDER STIGFFNER PLATES GR 50 | LB | | | | | | | | | | (TBD) | | | | | | | | | | | (TBD) | | | (TBD) |
| 70573 | BACKWALL RECONSTRUCTION | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 70575 | REPAIR EMB EROSION | CY | | | | | | | | | | | | | | | | | | | | | | | | |
| **71000** | ******BRIDGE SCOUR PROTECTION****** | | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** | **No** |
| **72000** | *******BRIDGE REPAIRS******* | | **No** | **No** | **No** | | **No** | **No** | | | **No** | **No** | | **No** | | | | | **No** | | | | **No** | | | **No** |
| 72010 | MOT FOR BRIDGE REPAIRS | BR | | | | 1 | | | 1 | 1 | | | 1 | | 0 (Incl in Widening) | 1 | 1 | 1 | | 1 | 1 | 0 (off alignment) | | 1 | 0 (off alignment) | |
| 72020 | REM ASPHALT CONC OVERLAY | SY | | | | | | | | | | | | | | | | | | | | | | | | |
| 72030 | ASPH CONC OVERLAY TY SM-12.5A | TN | | | | | | | | | | | | | | | | | | | | | | | | |
| 72040 | TYPE A MILLING (1 1/2") | SY | | | | | | | | | | | | | | | | | | | | | | | | |
| 72050 | TYPE B PATCHING | SY | | | | | | | | | | | | | | 30 | | | | | | | | | | |
| 72060 | R&R PREF ELASTO JOINT SEALER 2 " | LF | | | | | | | | 150 | | | | | | | | | | | | | | | | |
| 72070 | R&R PREF ELASTO JOINT SEALER 2 1/2" | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72080 | R&R PREF ELASTO JOINT SEALER 3" | LF | | | | | | | | | | | | | | | | | | 31 | | | | | | |
| 72090 | R&R PREF ELASTO JOINT SEALER 3 1/2" | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72100 | EXP JOINT REMOVAL | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72110 | EXP JOINT RECONSTRUCTION (HES) | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72120 | CLEAN & RESEAL EXP JT | LF | | | | 8 (@ Abut. B) | | | | | | | 57 | | | | | | | | | | | 58 (@ Abut B) | | |
| 72130 | ELASTO EXP DAM 0-2" | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72135 | ELASTO EXP DAM >2-3" | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72140 | ELASTO EXP DAM >3-4" | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72150 | SAW CUTTING | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72160 | CONC SUPERSTR SURFACE REPAIR | SY | | | | | | | | | | | | | | | | | | | | | | | | |
| 72170 | CONC SUBSTR SURFACE REPAIR | SY | | | | | | | | | | | 1 | | 15 | | | | | | | | | | | |
| 72180 | SILICA FUME HYD CEM CONC (1 1/4"-1 3/4") | SY | | | | | | | | | | | | | | | | | | | | | | | | |
| 72190 | CRACK REPAIRS-SUPERSTR | LF | | | | | | | | 500 | | | 1,000 | | | | 2,000 | 500 | | | | | | 1,400 | 100 | |
| 72200 | CRACK REPAIRS-PIERS | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72210 | CRACK REPAIRS-ABUTS | LF | | | | 10 (@ Abut. B) | | | | | | | | | | | | | | | | | | | | |
| 72220 | PREP & OVERCOAT EX STR | SF | | | | | | | | | | | | | 1,200 | 500 | | | | 50 (inside Pier 2 Dia.) | | | | | | |
| 72230 | GUARDRAIL GR-2 | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72240 | REPAIR GUARDRAIL POST | EA | | | | | | | | | | | | | | | | | | | | | | | | |
| 72250 | ATTACH G/R TERM TO PARAPET | EA | | | | | | | | | | | | | | | | | | | | | | | | |
| 72260 | REMOVE EXIST GUARDRAIL | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72270 | UIT TREATMENT WELDS | EA | | | | | | | | | | | | | 103 | | | | | | | | | | | |
| 72280 | JACK & BLOCK BEAMS | EA | | | | | | | | | | | | | | | | | | | | | | | | |
| 72290 | BEAM SEAT REPAIR | EA | | | | | | | | | | | | | | | | | | | | | | | | |
| 72300 | RESET BEARINGS | EA | | | | | | | | | | | | | | | | | | | | | | | | |
| 72310 | CLEAN AND SPOT PAINT BEARINGS | EA | | | | | | | | | | | | | 32 | 24 (@ Piers 1&5) | | | | | | | | | | |
| 72320 | BR SUBST-RESEAL JNT @ SLOPE PROTECTIONS | LF | | | | | | | | | | | | | | | | | | | | | | | | |
| 72330 | REPAIR EMBANKMENT EROSION | CY | | | | | | | | | | | | | | | | | | | | | | | | |
| 72340 | DRY RIPRAP, CL 1 | TN | | | | 2 (@ Abut. B) | | | | | | | | | | | | | | | 10 | 20 | | | 50 | |
| | STEEL PIER CAP ACCESS DOOR REPAIR | EA | | | | | | | 1 (@ Box Cap 1) | | | | | | | | | | | 1 | 1 | | | | | |