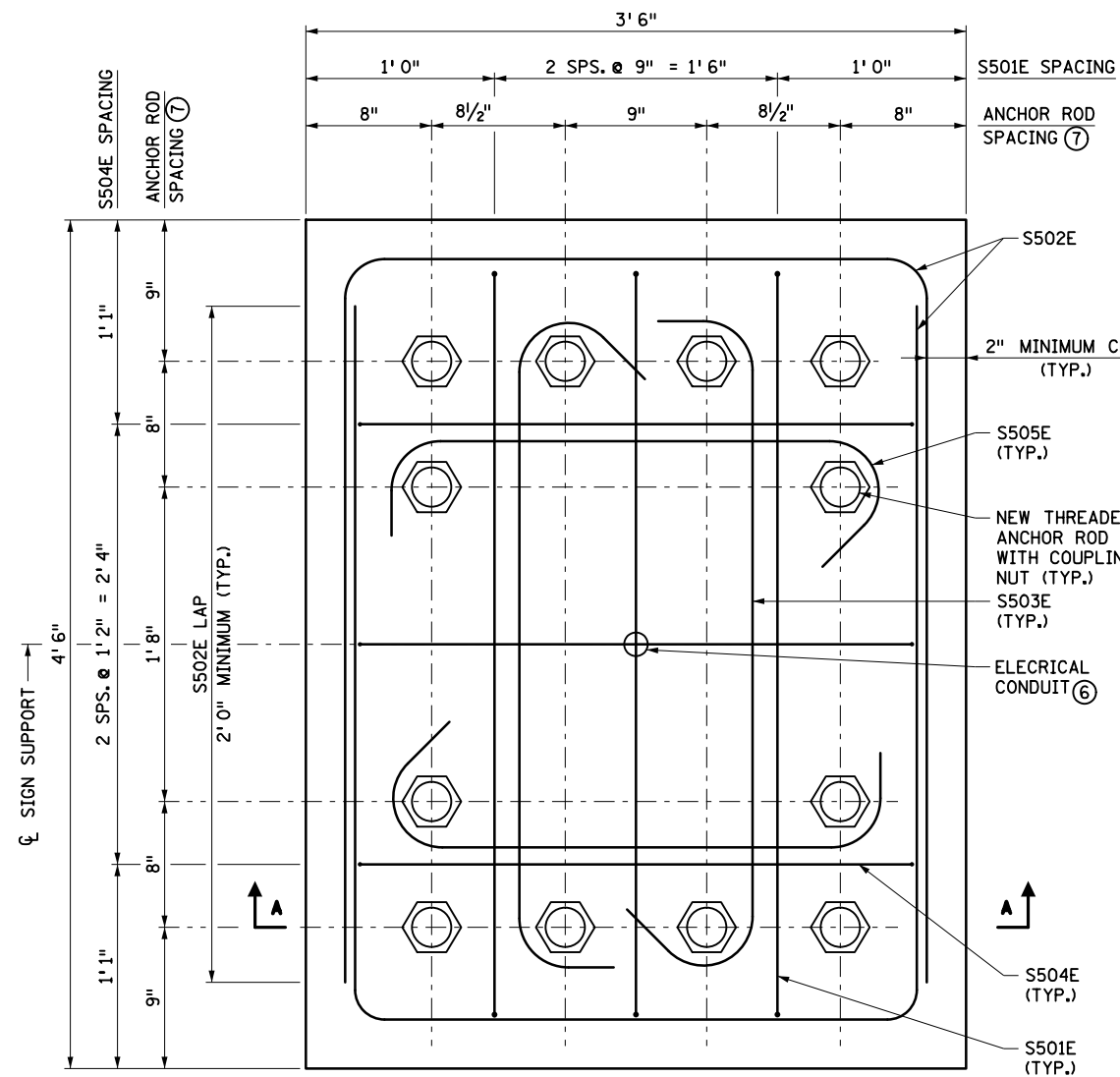


**INPLACE ELEVATION AND REMOVALS**  
INPLACE REINFORCEMENT NOT SHOWN FOR CLARITY



**NEW CONSTRUCTION PLAN VIEW**

**NOTES:**

- ⊗ DENOTES REMOVAL
- DIMENSIONS FOR NEW WORK BASED ON INPLACE BOLT DIMENSIONS.
- FIELD-VERIFY FOR LENGTH OF REQUIRED THREADED ANCHOR ROD EXTENSION.
- FIELD-ADJUST REBAR LOCATIONS TO AVOID CONDUITS.
- PROVIDE CONCRETE IN ACCORDANCE WITH SPEC. 2461, MIX 3G52.
- CONSTRUCT EXTENSION IN ACCORDANCE WITH THE PLAN, SPEC. 2401, AND SPEC. 2471.
- QUANTITIES PROVIDED ARE FOR ONE POST BASE EXTENSION. REBAR QUANTITIES ARE PROVIDED FOR REFERENCE ONLY.
- MINIMUM FOUNDATION EXTENSION IS 1' 0". EXTEND FOUNDATION 1' 0", 1' 6", OR 2' 0" AS REQUIRED. VERIFY WITH THE ENGINEER.
- PROVIDE COUPLING NUTS IN ACCORDANCE WITH ASTM A563 GRADE A AND GALVANIZE IN ACCORDANCE WITH SPEC. 3392. SEE SPECIAL PROVISION FOR SPECIAL INSPECTION OF COUPLING NUT INSTALLATION.
- FURNISH TYPE B ANCHOR RODS IN ACCORDANCE WITH SPEC. 3385.
- FURNISH EPOXY-COATED REINFORCING BARS IN ACCORDANCE WITH SPEC. 3301.

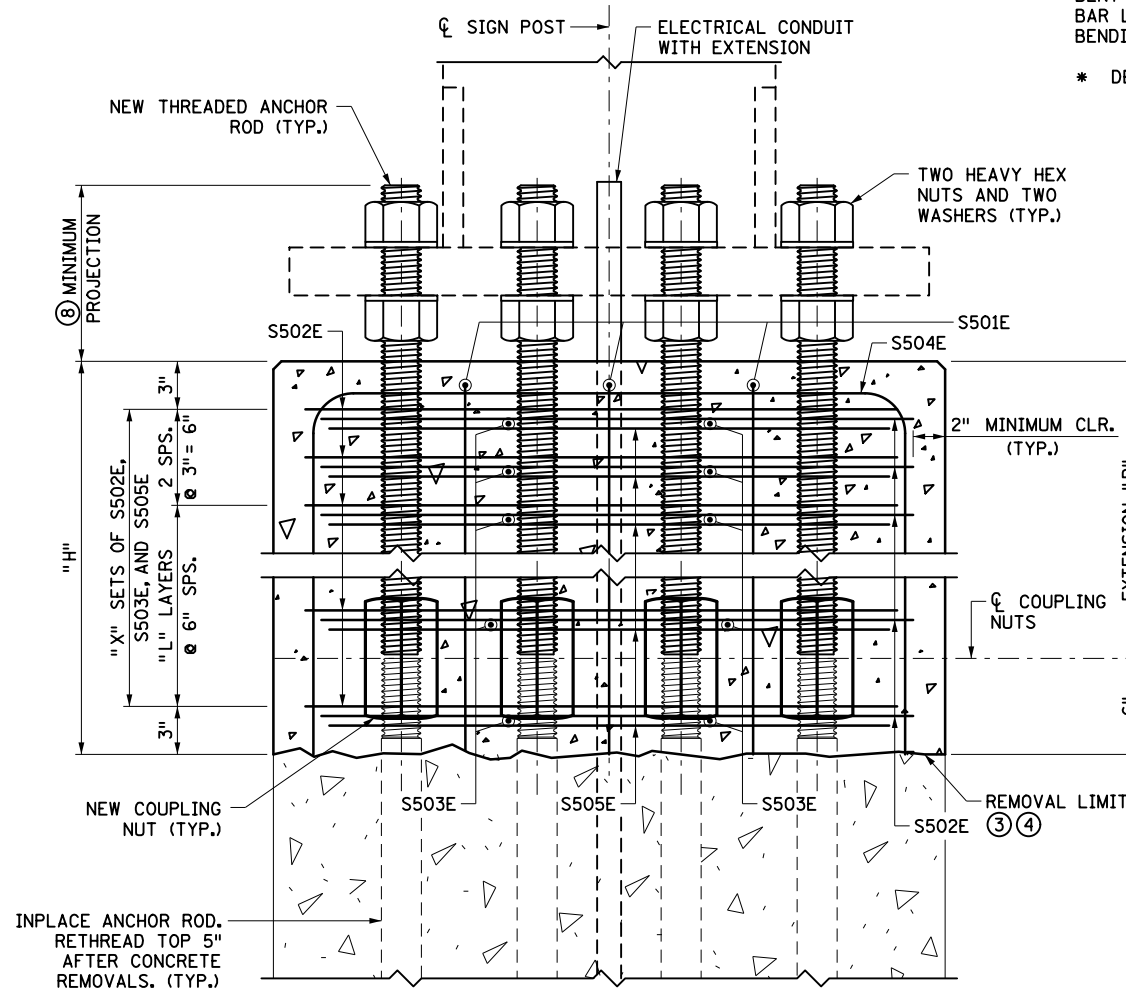
- ① SAWCUT PEDESTAL PERIMETER WITHOUT CUTTING ANY INPLACE REINFORCEMENT BARS BEFORE REMOVING CONCRETE. ALL INPLACE REINFORCEMENT BARS TO REMAIN. CLEAN AND STRAIGHTEN INPLACE REINFORCEMENT.
- ② REMOVE UNSOUND CONCRETE.
- ③ CLEAN CONCRETE.
- ④ APPLY EPOXY BONDING AGENT BEFORE PLACING NEW CONCRETE.
- ⑤ INPLACE ANCHOR RODS WITH MINIMAL OR NO DETERIORATION MAY REMAIN WITHOUT CUTTING IF COMPATIBLE WITH THE FOUNDATION EXTENSION. PROVIDE 2" MINIMUM COVER FOR COUPLING NUTS.
- ⑥ EXTEND EXISTING CONDUIT AS NEEDED.
- ⑦ 2 1/4" DIAMETER ANCHOR ROD (TYPE 10 POST); 2 1/2" DIAMETER ANCHOR ROD (TYPE 11 POST); 2 3/4" DIAMETER ANCHOR ROD (TYPE 12 POST); 3" DIAMETER ANCHOR ROD (TYPE 13 POST). FIELD VERIFY.
- ⑧ 9 3/4" TYPE 10 POST; 10 1/2" TYPE 11 POST; 11 1/4" TYPE 12 POST; 12" TYPE 13 POST.

EXTENSION DIMENSIONS AND QUANTITIES										
EXTENSION, "P"	"H"	"X"	"L"	"B"	"C"	"D"	"E"	"F"	CONCRETE (CY)	REINF. STEEL (LBS.)
1' 0"	1' 6"	4	1	1' 3"	6' 5"	8	8	5' 5"	0.88	194
1' 6"	2' 0"	5	2	1' 9"	7' 5"	10	10	6' 5"	1.17	239
2' 0"	2' 6"	6	3	2' 3"	8' 5"	12	12	7' 5"	1.46	284

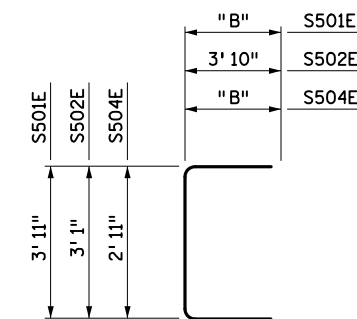
**BAR BENDING DIAGRAMS**

BENT BAR DIMENSIONS GIVEN ARE OUT-TO-OUT. DETERMINE ACTUAL BAR LENGTHS BASED ON THE DETAIL DIMENSIONS SHOWN IN THE BAR BENDING DIAGRAMS.

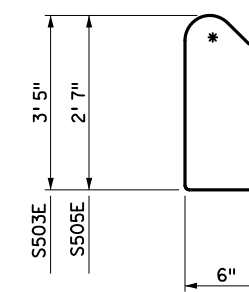
\* DENOTES STANDARD STIRRUP HOOK.



**SECTION A-A**  
INPLACE REINFORCEMENT NOT SHOWN FOR CLARITY



**S501E, S502E, & S504E**



**S503E & S505E**

BILL OF REINFORCEMENT				
BAR NO.	LENGTH	SHAPE	LOCATION	
S501E	3 "C"	⊔	VERTICAL TIE	
S502E	"D"	⊔	HORIZONTAL TIE	
S503E	"E"	⊔	HORIZONTAL TIE	
S504E	3 "F"	⊔	VERTICAL TIE	
S505E	"E"	⊔	HORIZONTAL TIE	

LEAD EXPERT OFFICE  
KEVIN WESTERN  
STATE BRIDGE ENGINEER



OVERHEAD SIGN STRUCTURES FOUNDATION EXTENSION  
DESIGN B EXTENSION DETAILS - TYPE 10-13 POSTS

APPROVED: 01-15-2021  
REVISED:

THOMAS STYRBICKI  
STATE DESIGN ENGINEER

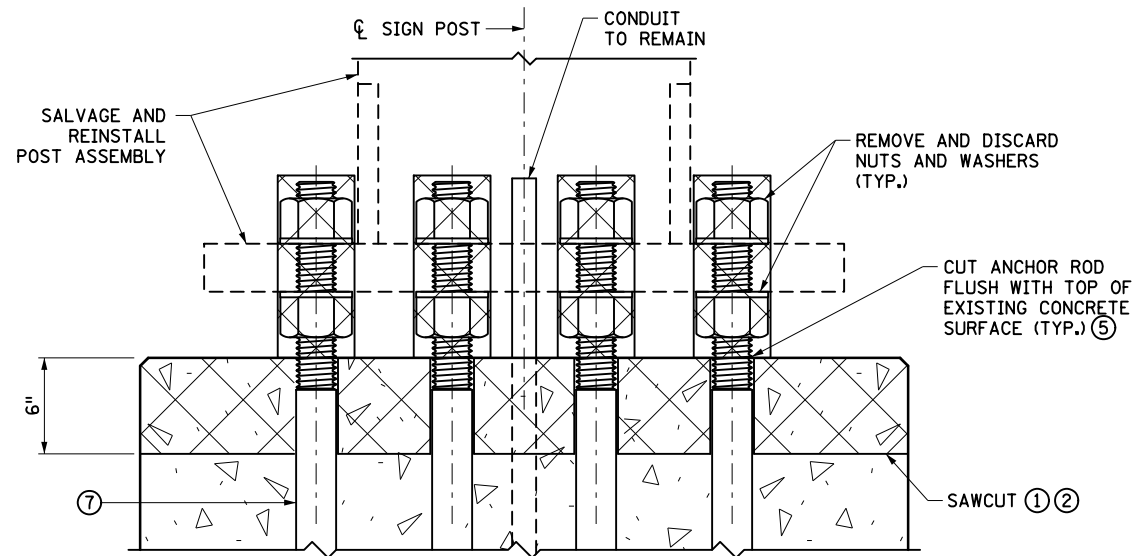
STANDARD PLAN  
5-297.787

1 OF 3

STANDARD PLAN

STATE PROJ. NO.  
TRUNK HWY.

SHEET NO.  
TOTAL SHEETS



**INPLACE ELEVATION AND REMOVALS**  
INPLACE REINFORCEMENT NOT SHOWN FOR CLARITY

**NOTES:**

- ☒ DENOTES REMOVAL
- DIMENSIONS FOR NEW WORK BASED ON INPLACE BOLT DIMENSIONS.
- FIELD-VERIFY FOR LENGTH OF REQUIRED THREADED ANCHOR ROD EXTENSION.
- FIELD-ADJUST REBAR LOCATIONS TO AVOID CONDUITS.
- PROVIDE CONCRETE IN ACCORDANCE WITH SPEC. 2461, MIX 3652.
- CONSTRUCT EXTENSION IN ACCORDANCE WITH THE PLAN, SPEC. 2401, AND SPEC. 2471.
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- FURNISH TYPE B ANCHOR RODS IN ACCORDANCE WITH SPEC. 3385.
- FURNISH EPOXY-COATED REINFORCING BARS IN ACCORDANCE WITH SPEC. 3301.

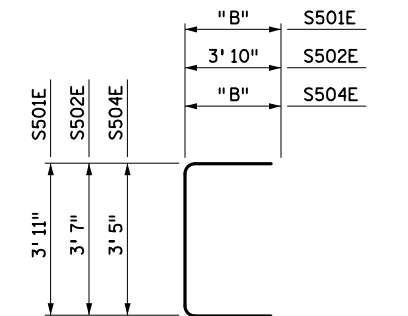
- ① SAWCUT PEDESTAL PERIMETER WITHOUT CUTTING ANY INPLACE REINFORCEMENT BARS BEFORE REMOVING CONCRETE. ALL INPLACE REINFORCEMENT BARS TO REMAIN. CLEAN AND STRAIGHTEN INPLACE REINFORCEMENT.
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- ⑧ 9 3/4" TYPE 10 POST; 10 1/2" TYPE 11 POST; 11 1/4" TYPE 12 POST; 12" TYPE 13 POST.

EXTENSION DIMENSIONS AND QUANTITIES										
EXTENSION, "P"	"H"	"X"	"L"	"B"	"C"	"D"	"E"	"F"	CONCRETE (CY)	REINF. STEEL (LBS.)
1' 0"	1' 6"	4	1	1' 3"	6' 5"	8	8	5' 11"	1.00	199
1' 6"	2' 0"	5	2	1' 9"	7' 5"	10	10	6' 11"	1.34	246
2' 0"	2' 6"	6	3	2' 3"	8' 5"	12	12	7' 11"	1.67	292

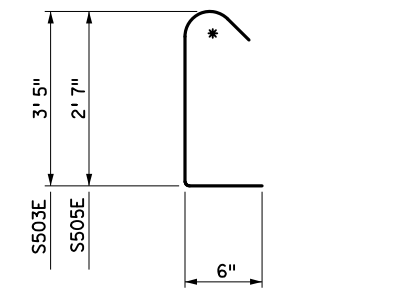
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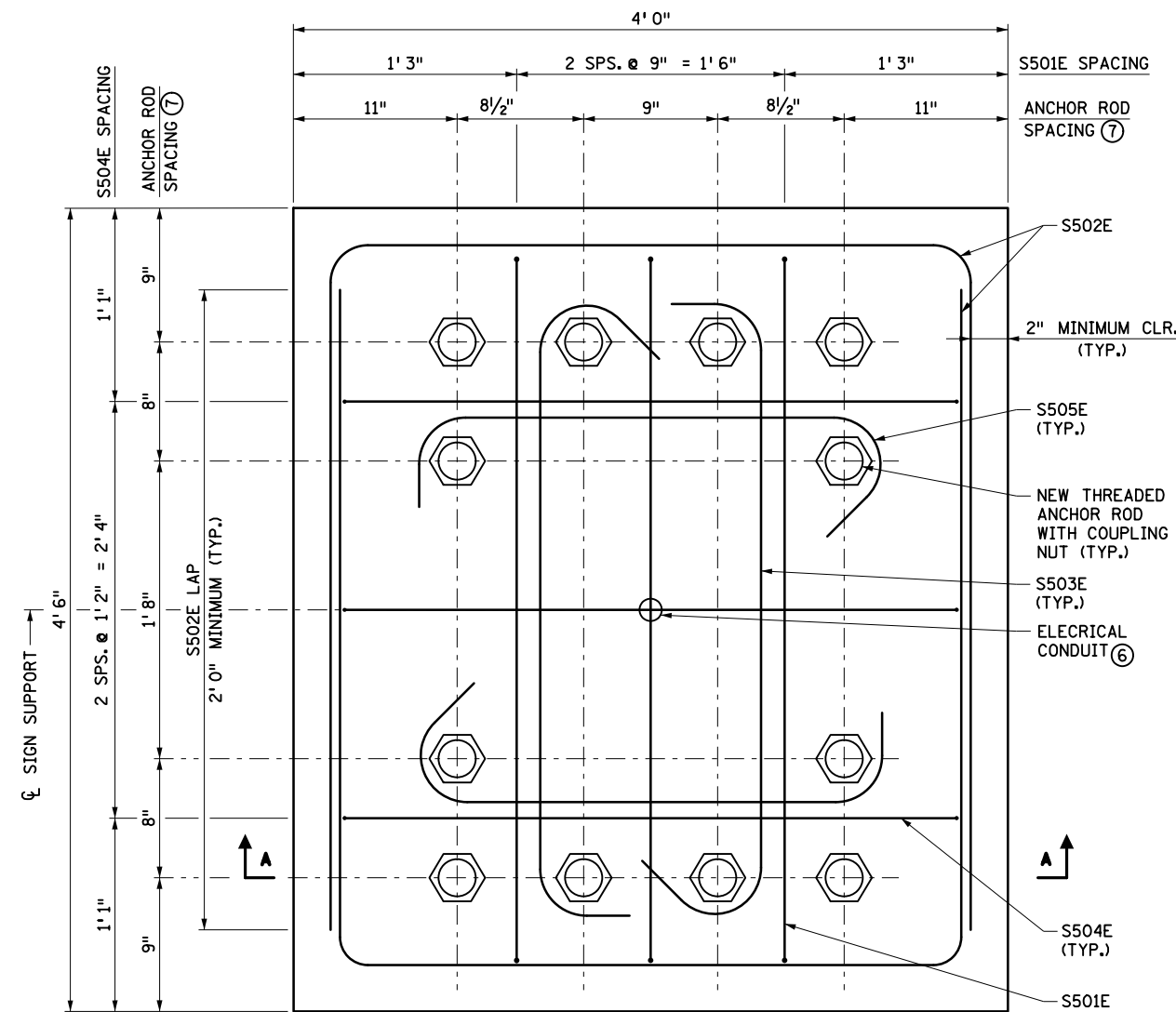
\* DENOTES STANDARD STIRRUP HOOK.



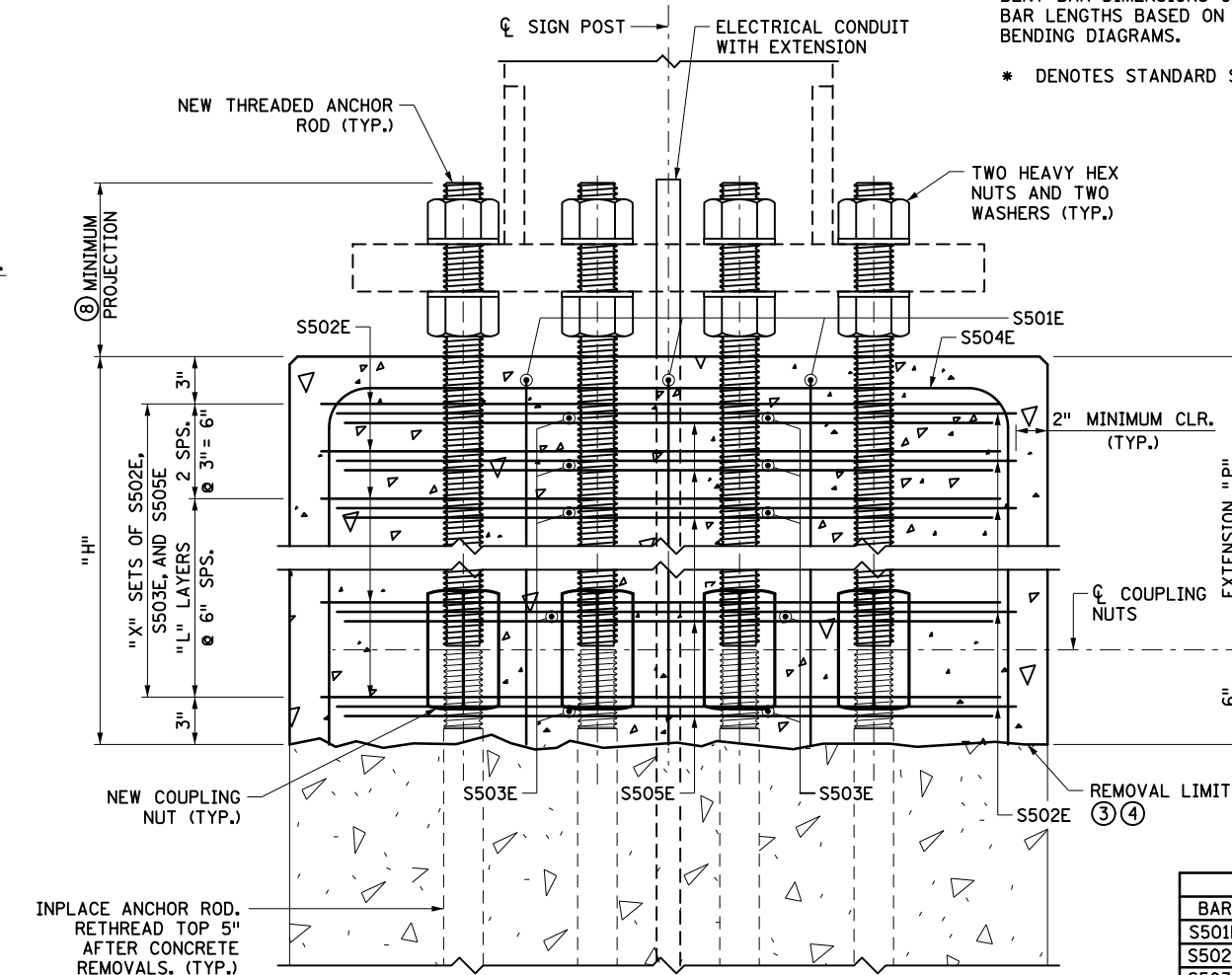
S501E, S502E, & S504E



S503E & S505E



**NEW CONSTRUCTION PLAN VIEW**



**SECTION A-A**  
INPLACE REINFORCEMENT NOT SHOWN FOR CLARITY

BILL OF REINFORCEMENT				
BAR	NO.	LENGTH	SHAPE	LOCATION
S501E	3	"C"		VERTICAL TIE
S502E	"D"	11' 3"		HORIZONTAL TIE
S503E	"E"	4' 5"		HORIZONTAL TIE
S504E	3	"F"		VERTICAL TIE
S505E	"E"	3' 7"		HORIZONTAL TIE

LEAD EXPERT OFFICE  
KEVIN WESTERN  
STATE BRIDGE ENGINEER

OVERHEAD SIGN STRUCTURES FOUNDATION EXTENSION  
DESIGN B EXTENSION DETAILS - TYPE 10-13 POSTS

APPROVED: 01-15-2021  
REVISED:

*Tom Styrbicki*  
THOMAS STYRBICKI  
STATE DESIGN ENGINEER

STANDARD PLAN  
5-297.787

2 OF 3



STANDARD PLAN

STATE PROJ. NO.  
TRUNK HWY.

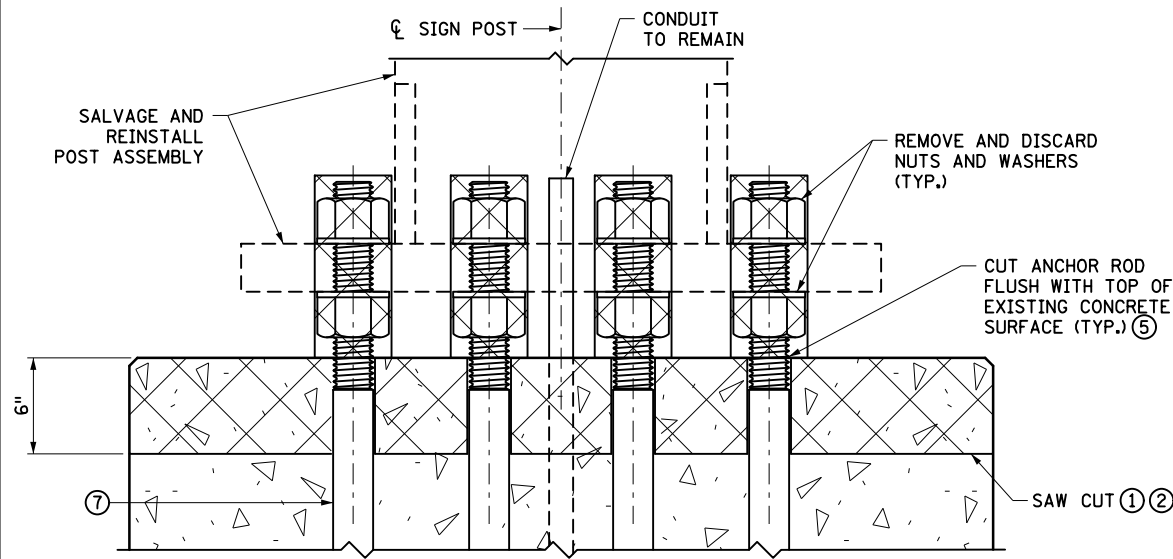
SHEET NO.  
TOTAL SHEETS

**NOTES:**

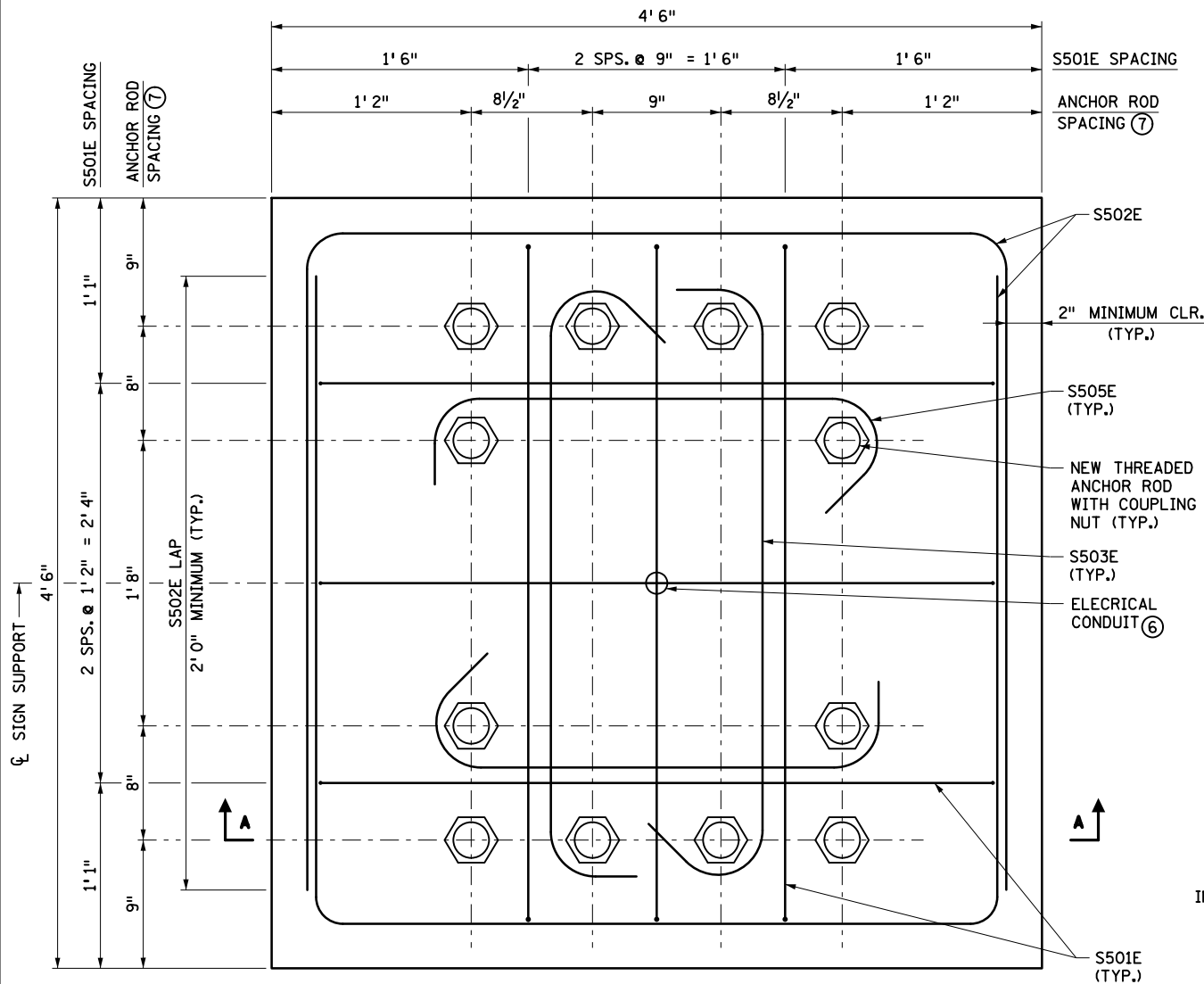
☒ DENOTES REMOVAL  
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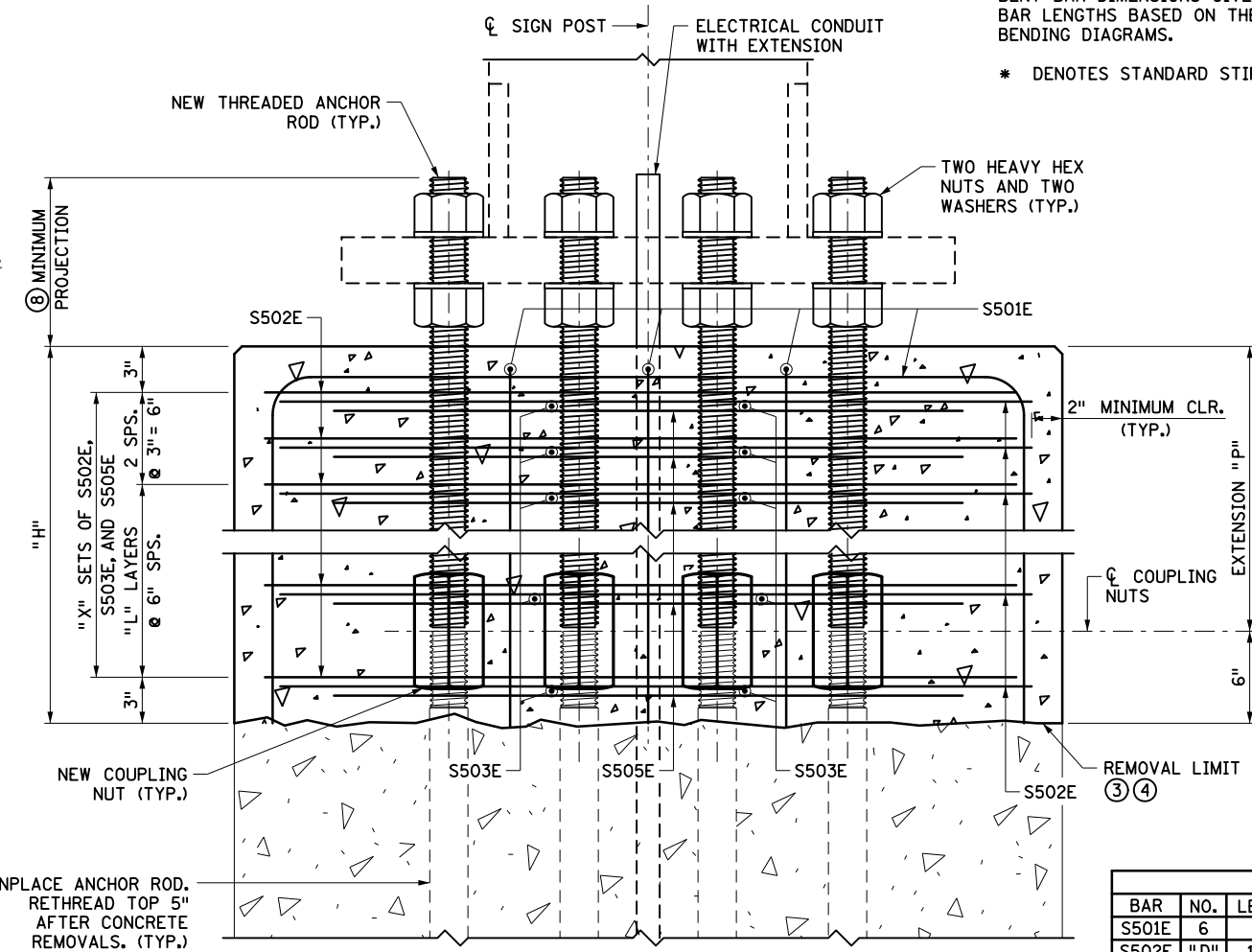
EXTENSION DIMENSIONS AND QUANTITIES									
EXTENSION, "P"	"H"	"X"	"L"	"B"	"C"	"D"	"E"	CONCRETE (CY)	REINF. STEEL (LBS.)
1' 0"	1' 6"	4	1	1' 3"	6' 5"	8	8	1.13	205
1' 6"	2' 0"	5	2	1' 9"	7' 5"	10	10	1.50	252
2' 0"	2' 6"	6	3	2' 3"	8' 5"	12	12	1.88	300



**INPLACE ELEVATION AND REMOVALS**  
 INPLACE REINFORCEMENT NOT SHOWN FOR CLARITY



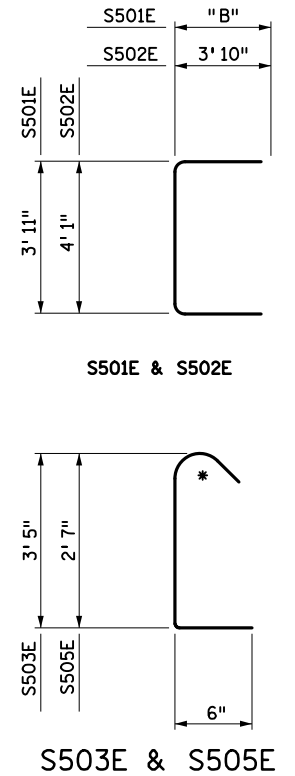
**NEW CONSTRUCTION PLAN VIEW**



**SECTION A-A**  
 INPLACE REINFORCEMENT NOT SHOWN FOR CLARITY

**BAR BENDING DIAGRAMS**

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 \* DENOTES STANDARD STIRRUP HOOK.



BILL OF REINFORCEMENT				
BAR	NO.	LENGTH	SHAPE	LOCATION
S501E	6	"C"	U	VERTICAL TIE
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S503E	"E"	4' 5"	U	HORIZONTAL TIE
S505E	"E"	3' 7"	U	HORIZONTAL TIE

LEAD EXPERT OFFICE  
 KEVIN WESTERN  
 STATE BRIDGE ENGINEER

OVERHEAD SIGN STRUCTURES FOUNDATION EXTENSION  
 DESIGN B EXTENSION DETAILS - TYPE 10-13 POSTS

APPROVED: 01-15-2021  
 REVISED:

THOMAS STYRBICKI  
 STATE DESIGN ENGINEER

STANDARD PLAN  
 5-297.787  
 3 OF 3



STANDARD PLAN

STATE PROJ. NO. SHEET NO.  
 TRUNK HWY. TOTAL SHEETS