

Technical Support Branch 515a

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Modification of the Section BFO

Major concern for the contractor when horizontal directional drilling (HDD) or boring long sections of buried duct as part of the BFO unit:

- The need to be paid for the conduit install separately from the install of the cable.

Redefined suffix "I" for buried cable, to be installed inside a duct placed by the contractor:

"I" Suffix – Buried cable, to be installed inside a duct placed by the contractor. The placement of the duct will be compensated under other units (BFO_V(x) and/or BM60()).

Modified suffix " V()(" to "V(x)"
with the first value in the V suffix
parentheses must indicate the number
of ducts by the second value
specifying the inside diameter of the
ducts in inches or millimeters;

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Unit	No. of Units	Unit Price			Extended Price Labor and Materials
		Labor	Materials	Labor and Materials	
(BFO24	5,842				
& V(2x2"))D	5,400				
BFO36I	8,200				
BM60(2”SDR11)	2,800				

BM60() Underground Pipe Assembly Unit – Consists of one (1) lineal foot (0.305 m) of Plastic pipe, with the inside diameter in inches (meters) specified in parentheses, installed in place. The standard dimension ratio (SDR) or schedule (SCH) must be specified in the parenthesis as necessary.

BM60() – Suffix “R” Indicates when a specialized rock boring bit or reamer is required. The unit consists of the labor and equipment required to bore through rock that cannot be accomplished with typical equipment used for a similar bore where rock is not encountered. This unit will only be used when pre-approved by the engineer and will be paid on a per foot basis only for that portion of the bore that is through rock.

BM60() – Suffix “RR” Indicates heavy rock that will require significantly larger equipment than required for the rest of the project and/or specialized drill heads that pump mud through the head to remove the rock debris. The unit consists of the labor and equipment required for the bore. This unit will only be used when pre-approved by the engineer and the payment method has been pre-negotiated prior to bringing the equipment on site.

Modification of the Section HBF

Major concern for the contractor when pricing the unit to adequately define the miscellaneous materials (splice trays, cable addition kits, etc.):

- The need to eliminate excess material waste and storage and limit spreading costs across the units.

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HBFOx Buried Fiber Optic Closure - A fiber optic closure, splice organizer, and miscellaneous materials adequate for the individual location. Unless otherwise specified by the Engineer, the following suffixes designate the case size in the series of cases specified by the Engineer. Projects that require more than one series of case shall have an additional suffix as specified in the List of Changes, Additions, and Deletion Pages to designate the series of case. The letter "x" designates the case size as small (S), medium (M), or large (L).

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Suffix “S” Small splice case with up to two main ports and two secondary ports that can accept two smaller main cables, two armored drop cables, or up to four flat drop cables. The largest fiber count cable this case will accept is 96 Fiber.

Suffix “M” Medium splice case with up to four main ports and up to four secondary ports that can accept four smaller main cables, four armored drop cables, or up to six flat drop cables. The largest fiber count cable this case will accept is 288 Fiber.

Suffix “L” Large splice case with greater than four main ports and up to four secondary ports that can accept four smaller main cables, four armored drop cables, or up to eight flat drop cables. The case should be capable of accepting the largest fiber specified in the project. If the case is to be placed on an existing cable that is larger than the largest cable specified in the contract, the Engineer shall adequately specify the maximum cable size that will be placed in the case.

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