WHEN STIFFENERS ARE SPACED AT OR GREATER.

RECOMMENDED

ACTING DIR, BUR. OF PROJECT DELIVERY
CHIEF BRIDGE ENGINEER
BC-753M STRUCTURES

STEEL DIAPHRAGMS FOR STEEL BEAM/GIRDER RECOMMENDED

SEE CORNER CHAMFER DETAIL FOR LIMITS OF WELDS.

SHEET 1 OF 2
NOV. 26, 2013

NOV. 26, 2013

** (SEE NOTE 10)

SEE CORNER CHAMFER DETAIL FOR LIMITS OF WELDS.

** (SEE NOTE 16)

TYPE II

TYPE I

TYPE III

A BEARING AREAS

TENSION FLANGE

COMPRESSION FLANGE

(SEE NOTE 13)

(SEE NOTE 14)

TIGHT FIT

MAX. " CLEARANCE

BEFORE WELDING

TENSION OR COMPRESSION

FLANGE SPLICE DETAILS

WEB SPLICE DETAIL (PLAN)

DIAPHRAGM CONNECTION PLATE

ELEVATION

FLANGE SPLICE DETAILS

TYPICAL GIRDER DETAIL

CORNER CHAMFER DETAIL (TYP.)

STUD DETAIL

SHEAR CONNECTOR DETAILS

DRAIN BAR DETAIL

FLANGE SPLICE DETAILS

BEARING STIFFENER

** (SEE NOTE 10)

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A TYPICAL DETAIL A
GIRDER WEB
LONGITUDINAL STIFFENER
COVER PLATE DETAILS (ROLLED BEAM)
SHAPE W (MAX.)

L BEARING PENETRATION GROOVE WELD
GROUND FLUSH COMPLETE
COVER PLATE FLUSH WITH END OF BEAM FOR WELD

T = THICKNESS OF COVER PLATE GROOVE WELD GROUND TO MEET REQUIRED RADIUS (TYP.)

PLACE NUTS ON TOP SURFACE OF LOWER FLANGE SPLICE
BOLTED SPLICE DETAIL
PLACE BOLT HEAD ON EXPOSED SIDE OF FASCIA BEAM
OMIT WASHERS ONLY AS ALLOWED BY THE SPECIFICATIONS.

SEE DETAIL C
SEE DETAIL B
FIELD END BEARING STIFFENER
INTERMEDIATE STIFFENER SPLICE PLATE
LONGITUDINAL STIFFENER TYP. (SEE NOTE 17)

STANDARD STEEL GIRDER DETAILS

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
BUREAU OF PROJECT DELIVERY

STANDARD STEEL GIRDER DETAILS

ALTERNATE BOLTED SPLICE DETAIL AT MAIN MEMBER FIELD SPLICE (FOR MAINRL)
WELDED SPLICE DETAIL AT MAIN MEMBER FIELD SPLICE (FOR MAINRL)

HANDRAIL DETAILS

LONGITUDINAL-TRANSVERSE STIFFENER INTERSECTION DETAILS

COVER PLATE DETAILS