

GENERAL NOTES:
UNITS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE 2009 AASHTO STANDARD
SPECS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC
SIGNALS. DESIGN VELOCITY SHALL BE 90 MPH WITH A MINIMUM DESIGN LIFE OF 50 YEARS.
IN ADDITION TO THE AASHTO CRITERIA THE POLE SHALL BE DESIGNED FOR WORST CASE
LOADING CONDITION SET FORTH IN IL D.O.T. SPECS 1089(A) FOR DESIGN LUMINAIRE
HAVING AN EPA OF 1.6 SQ.FT. AND MAXIMUM WEIGHT OF 75 LBS.

THE ALUMINUM POLE, POLE BASE, SHROUD, BRACKET ARMS AND ATTACHMENTS SHALL BE PAINTED BLACK USING A POWDER COAT PROCESS OR ENGINEER APPROVED EQUIVALENT. THEY SHALL BE CLEANED PRIOR TO THE POWDER COAT PROCESS BY THE IMMERSION PROCESS USING BOTH AN ALKALINE AND ACID BATH. THE BLACK FINISH IMMERSION PROCESS USING BOTH AN ALKALINE AND ACID BATH. THE BLACK FINISH SHALL BE A THERMOSETTINIS POWDER COAT. THE POWDER RESIN SHALL BE A TYPE TGIC SUPER DURABLE GRADE POLYESTER OR AN ENGINEER APPROVED EQUIVALENT. THE ALLIMINUM SHALL BE PREHEATED TO A SUFFICIENT TEMPERATURE, PRIOR TO THE COATING PROCESS, TO INSURE ALL WATER VAPOR IS REMOVED IN ORDER TO FUSE THE POWDER TO THE METAL. THE POLE AND APPURTENANCES SHALL BE OVEN CURED, AFTER SPRAYING, FOR A CYCLE OF 5 TO 15 MINUTES AT A TEMPERATURE OF 375 TO 400 DEGREES FAHRENHEIT. THE FINISHED COAT SHALL HAVE A DRY COAT MINIMUM AUGUSTER OF A SHALL SHALL

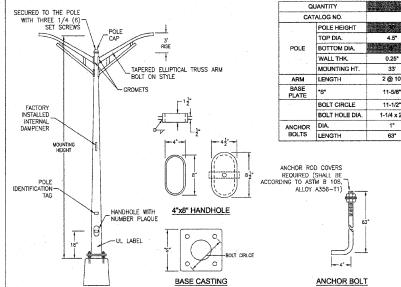
A THOROUGH VISUAL INSPECTION SHALL BE MADE OF THE PAINTED FINISH OF THE INSTALLED POLE AND A FIELD TOUCHUP OR RECOAT SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST.

## TWIN TRUSS ARM

- (1) SHAFTS ARE ONE SECTION DESIGN FABRICATED FROM 6063 T6 ALUMINUM EXTRUSION—SPUN TAPERED.
  (2) BASE CASTING IS 355 T6 CAST ALUMINUM. THE POLE SHAFT TELESCOPES INTO THE BASE CASTING AND IS CIRCUMFERENTIALLY WELDED TOP AND BOTTOM.

  (3) ANCHOR BOLTS ARE ARBICATED FROM STRUCTURAL QUALITY HOT ROLLED CARBON STEEL BAR, HAVING MINIMUM YIELD STRENGTH OF 50,000 P.S.I. BOLTS HAVE AN "L" BEND ON THE END. THE THREADS PLUS FULL LENGTH ARE GALVANIZED. ANCHOR BOLTS ARE SUPPLIED WITH TWO NUTS AND TWO WASHERS ATTACHED.

  (4) ALL POLES TO BE SHALL BE PAINTED BLACK WITH A SATIN FINISH.
  (5) ALL WORK ON LIGHT POLES SHALL CONFORM TO SECTION 830 OF THE STANDARDS SPECIFICATIONS.
  (6) POLE NUMBER TO BE DETERMINED AT TIME OF INSTALLATION.



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\*\* KANKAKEE 36 20

CONTRACT NO. 87315

D. ROAD DIST. NO. ILLINOIS FED. AID PROJECT \* BURNS ROAD WEST - FAU 6212

INC

SCHUYLER AVEN ILLINOIS 60901 15) 932-7406

367 SOUTH KANKAKEE, I PHONE (81

Do not scale drawings. Use dimensions on Contractor shall be responsible for verifying all dimensions.

REVISIONS NO. DATE BY DESCRIPTION

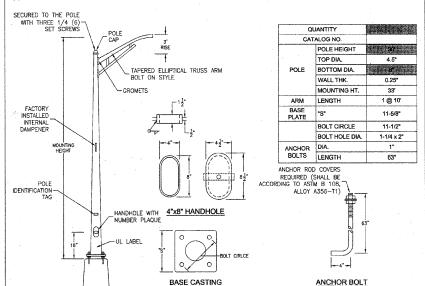
## SINGLE TRUSS ARM

- (1) SHAFTS ARE ONE SECTION DESIGN FABRICATED FROM 6063 T6 ALUMINUM EXTRUSION—SPUN TAPERED.

  (2) BASE CASTING IS 356 T6 CAST ALUMINUM. THE POLE SHAFT TELESCOPES INTO THE BASE CASTING AND IS CIRCUMFERENTIALLY WELDED TOP AND BOTTOM.

  (3) ANCHOR BOLTS ARE FABRICATED FROM STRUCTURAL QUALITY HOT ROLLED CARBON STEEL BAR, HAVING MINIMUM YIELD STRENGTH OF 50,000 P.S.I. BOLTS HAVE AN "L" BEND ON THE END. THE THREADS PLUS FULL LENGTH ARE GALVANIZED. ANCHOR BOLTS ARE SUPPLIED WITH TWO NUTS AND TWO WASHERS ATTACHED.

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  POLE NUMBER TO BE DETERMINED AT TIME OF INSTALLATION.



## LIGHTING INSTALLATION DETAILS

FOR WEST TER ROAD IMPROVEMENTS ROAD FROM CAREER CENTE TO BURNING BUSH BURNS PROPOSED

> SECTION 03-00058-01-FP

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