

I GENERAL NOTES

- All work shall be done in accordance to the Illinois Department of Transportation (IDOT) Standard Specification For Road and Bridge Construction, Adopted January 1, 2007, and latest Supplemental Specifications and recurring Special Provisions, unless noted otherwise. Construction Plans and Subsequent Details are all to be considered as part of the Contract. Incidental Items or Accessories necessary to complete this work may not be specifically noted but are considered a part of this Contract.
- No Construction Plans shall be used for Construction unless specifically Marked For Construction. Prior to commencement of construction, the Contractor shall verify all dimensions and conditions affecting the work with the actual conditions. If there are discrepancies between the job site and what is shown on the construction plans, the contractor must immediately report to Engineer before doing any work, otherwise the Contractor shall assume full responsibility. In the event of disagreement between the plans and existing conditions or details, the Contractor shall secure written instruction from the Engineer prior to proceeding with any part of the work affected by omissions or discrepancies. In failing to secure such instruction, the Contractor will be considered to have proceeded at his own risk and expense. In the event of any doubt or questions arising with respect to the true meaning of the Construction Plans or Specifications, the decision of the Engineer shall be final and conclusive.
- Contractor shall verify all topographic information and grade elevations adjacent to bridge prior to proceeding, inform Engineer of any variation.
- All compacted fill and backfill material shall be a clean granular material placed in lifts of twelve (12) inches or less in loose thickness and compacted to a minimum of 95 percent of the material's maximum standard proctor dry density (ASTM D-698).

- Upon completion, the contractor shall collect and remove all construction debris and excess material from the site. Damaged trees, shrubs, and other landscape features resulting from construction activities shall be replaced or repaired.
- All bearing surfaces must be true and level.
- Contractor must coordinate with Bridge Manufacturer to ensure proper placement of cast-in-place anchors. If the contractor elects to use post-installed anchors in lieu of cast-in-place anchors, he must coordinate the plate dimensions, bolt spacing and bolt quantity with the Bridge Manufacturer prior to construction.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

V FOUNDATION NOTES

- The contractor is responsible for design, installation and removal of all excavation support systems.
- The excavation and work area shall be properly drained of all times during construction, all wet, loose, frozen or other unsuitable material shall be removed prior to placement of concrete or compacted backfill.
- It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and cost shall be included with "Structure Excavation".
- The pile design is based on the geotechnical report prepared by H.H. Holmes Testing Laboratories, Inc. (Report No. 1706-4) dated July 30, 2008.

II CAST-IN-PLACE CONCRETE

- All cast-in-place concrete work and reinforcing steel work shall be in accordance with Sections 503 and 508 respectively of the IDOT Standard Specifications For Road And Bridge Construction, adopted January 1, 2007, and Supplemental Specifications and Recurring Special Provisions and as noted below.
- Concrete testing shall be the responsibility of the contractor according to Article 1020.09 of IDOT Standard Specifications for Road and Bridge Construction, Adopted January 1, 2007.
- Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces cast against earth and 2" for all other surfaces unless otherwise shown.
- Reinforcement Bars shall conform to the requirements of ASTM A 706, Grade 60. See Special Provisions.
- Reinforcing bar bending dimensions are out to out.
- Reinforcing bar bending details shall be in accordance with the "Manual of Standard Practice for Detailing Reinforced Concrete Structures", ACI 315, latest edition. Shop bending and placement drawings shall be submitted to the Engineer for review and approval prior to fabrication.
- All C.I.P. concrete shall be class SI concrete and shall have a minimum compressive strength of 3,500 psi @ 28 days.
- All exposed concrete edges shall be beveled $\frac{3}{4}$ ".
- All Walking Surfaces Shall Receive a "Broom" Finish.

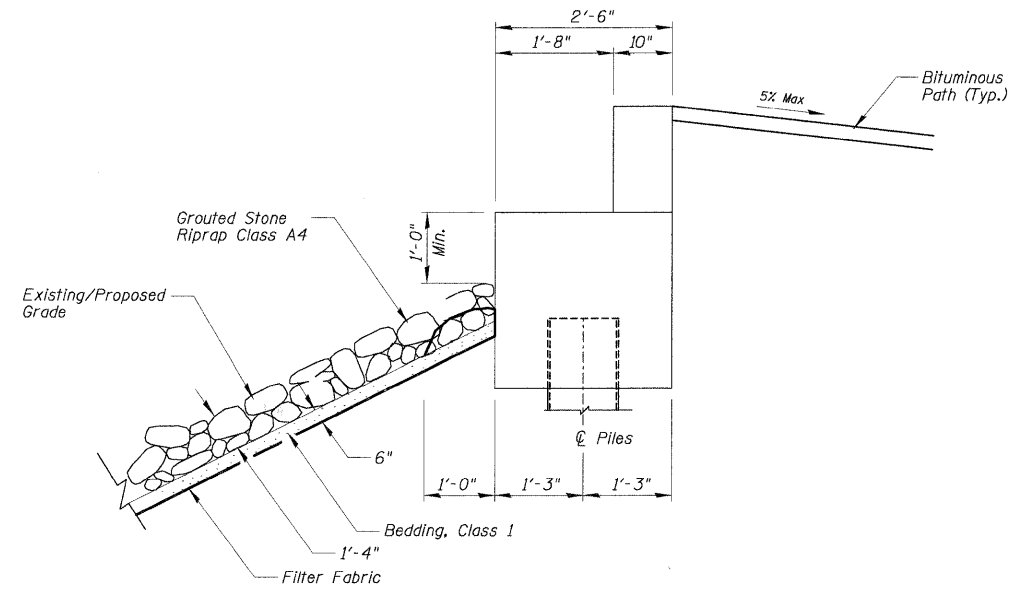
III PREFABRICATED PEDESTRIAN BRIDGE

The Prefabricated Pedestrian Bridge shall be designed, fabricated, delivered and erected according to the Special Provisions of "Pedestrian Truss Superstructure" and design plans.

- Style: Pratt Truss or Approved Equal.
- Span: 25' - 4" end to end of the bridge structure. Decking: Wood decking shall be untreated IPE natural hardwood. The wood deck shall be designed for a minimum 85 PSF Local loading condition in addition to wheel loads associated with a 12,000 lb vehicle. Floor planks shall be attached to supporting members with at least two plated fasteners at a minimum of 3 locations per plank. Manufacturer must provide a 15 year warranty on decking material and fasteners.
- Finishes: All structural steel shall be cleaned and painted according to the Special Provision for "Cleaning and Painting New Metal Structures." The contractor shall submit color samples to the Village for approval.
- Quality: The bridge manufacturer shall maintain proper records assuring that all steel, bolts, and materials used are in accordance with material specified. The bridge shall be identified and marked with a permanent nameplate showing the manufacturer's name, location, date of manufacture, and load carrying capacity. Structural material shall be traceable to each bridge. All welders shall be qualified in accordance with AWS D1.1-2002 structural welding code. All workmanship shall be in compliance with AASHTO and AISC standard practice. Full penetration weld details used in shop splices shall be submitted to the Engineer to determine testing required (if any).
- Delivery: Bridges shall be delivered by truck to a location nearest the site accessible by roads.
- Field welding of construction accessories will not be permitted to beams or girders.

IV CONSTRUCTION

- Do not scale dimensions for construction. Scale, if shown, applies only to full size drawings.
- No construction joints, except those shown on the plans, will be allowed unless directed by the Engineer.
- Any information concerning type or location of underground and other utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making his own determinations as to the type and location of the utilities as may be necessary to avoid damage thereto. Contractor shall call J.U.L.I.E. and the Village of Orland Hills prior to excavation.
- Shop working or layout drawings pertaining to the construction of the work, as may be required, shall be submitted to the Engineer for approval prior to the start of construction.



TYPICAL RIPRAP TREATMENT AT ABUTMENT

LAP SPLICE SCHEDULE

BAR SIZE	CLASS "B" SPLICE
#4	1'-10"
#5	2'-3"
#6	2'-9"

LAKE LORIN BIKE TRAIL
OVER TINLEY CREEK
SECTION 06-00021-01-BT
COOK COUNTY, ILLINOIS
STA. 142+72.63
STRUCTURE NO. N/A

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9975 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

FILE NAME =	USER NAME = MAGOLDEN	DESIGNED - WJS	REVISED -
N:\0-land\hills\080156\Struct\080156-nota-PLN		DRAWN - PDR	REVISED -
		CHECKED - MM	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SHEET NO. S-2 OF S-6

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00021-00-BT	COOK	60	22
CONTRACT NO. 63084				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431				