F.A. SECTION FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT GUARDRAIL OR PROP. EMBANKMENT CONCRETE BARRIER-WIDENING (VARIES) - 600 (2'-0") MAXIMUM 2.4 m MIN. (8'-0") PROPOSED FORESLOPE 2:1 MAXIMUM 3.6 m MAX. MERGER POINT TYPICAL BENCHING DETAIL FOR EMBANKMENT NOTES: CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION. ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS. 3 BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP. EQUAL 200 (8-INCH) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN. ILLINOIS DEPARTMENT OF TRANSPORTATION SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5) BENCHING DETAIL FOR EMBANKMENT WIDENING DATE NAME SCALE NAME SCALE: VERT. HORIZ. DATE: 2/15/2006 DRAWN BY: CADD CHECKED BY: S.E.B. BD-51 REVISION DATE: 6-16-2004

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CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000613

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