SUPPLIES

PROJECT STATS

FABRIC REQUIREMENTS

» Four Different Colored Fabrics:
  - 1/2 Yard Fabric A (Dark Green):
  - 1/3 Yard Fabric B (Turquoise)
  - 1/3 Yard Fabric Fabric C (Leaf Green)
  - 1/2 Yard Fabric Fabric D (Orange)
  See instructions for cutting requirements.

» 1 Yard Lining Fabric and Straps

» 1/4 Yard Contrasting Piping Fabric:
  - *Cut Four 3/4" x WOF strips*

» Wonder Under or HeatnBond Lite for Appliqué

» 1 Yard Bosal in R Form Single Sided Fusible Interfacing
  - *Front and Back Panels: Cut Two 9" x 17"*
  - *Side Panels: Cut One 14" x 15" (for one hooping for both side panels)*
  - *Bottom: Cut One 6" x 17"*

» Baby Lock Ultra Soft Fusible Stabilizer BLC204

MACHINE REQUIREMENTS

Requires the use of the largest Solaris Hoop.

S	S¹	D	A	VA
S²	SV	D	M	Vf

Please Note: *Project steps, tools, fills, screen orientation, and sizing vary between versions of IQ Designer and may require improvising.*

FEET USED

» 10-5/8" x 16" Hoop
» 10-5/8" x 10-5/8" Hoop
» Embroidery Foot
» Piping Foot Left BLSO-LP
» Stitch-in-the-Ditch Foot (BLSO-SDF)

ADDITIONAL NOTIONS

» Embroidery Threads in Green, Turquoise, Gold, Orange, Hot Pink
» Iron
» 1/8" Cording
» Rotary Cutter
» Ruler
» Mat
» EZ Point and Turner by Sue O'very

Tiled Tote

BY DEB CANHAM

ABOUT THE PROJECT!

Add a ton of pizazz to this awesome Tote Bag Project with IQ Designer! Then, stitch the entire project together at the end.

Techniques Used

- Building an appliqué embroidery design with built-in Shapes
- Assigning several Decorative Fills and Line Types

Let's Get Started

FABRIC & CUTTING REQUIREMENTS:
See page 145 for a helpful infographic on cutting and stitched dimensions for each piece.

» **Fabric A (Dark Green):**
  - Side Panels: One 14" x 15" (both stitched in one hoop)
  - Bottom Panel: One 6" x 17"
  - Block Backgrounds: Two 7" x 7"
  - Circle Appliqués: Two 5" x 5" prepared with Wonder Under fused to wrong side
  - Square Appliqués: Two 3" x 3" prepared with Wonder Under fused to wrong side

» **Fabric B (Turquoise)**
  - Blocks: Two 7" x 7"
  - Circle Appliqués: Two 5" x 5" prepared with Wonder Under fused to wrong side
  - Square Appliqués: Two 3" x 3" prepared with Wonder Under fused to wrong side

» **Fabric C (Leaf Green)**
  - Blocks: Two 7" x 7"
  - Circle Appliqués: Two 5" x 5" prepared with Wonder Under fused to wrong side
  - Square Appliqués: Two 3" x 3" prepared with Wonder Under fused to wrong side

» **Fabric D (Orange)**
  - Two 9" x 17"

» **Straps**
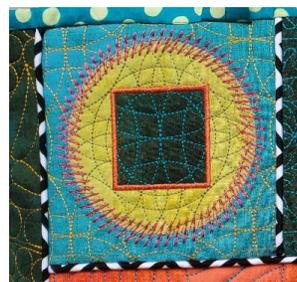 - Two 2.5" x WOF prepared with Ultra Soft Stabilizer fused to wrong side of fabric

» **Lining** will be cut after the Bag Front and Bag Back have been constructed.

Creating the Framework of the Appliqué Block

1. From the Home Screen touch **IQ** IQ Designer.

2. Touch the **Stamp Key** and select a **Square**, **OK**.

3. **Resize** proportionally to **5.51"**. This is your block size.

4. Touch **Stamp** and select a **Circle**, **OK**.

5. **Resize** proportionally to **4"** and Center inside of square.

6. Touch **Line Properties**, **Double Run Stitch**, choose a **Dark Blue Color** and **OK**.

7. Touch the **Line Fill Cup** and touch on the outline of the square and circle, both should turn blue.

8. Touch **Next**. **Link** the circle and square then set the **Run Pitch to .100**, **OK**. Save to **Memory**, touch **Set**, **OK** and progress to Embroidery Editing Screen.

9. From the embroidery editing screen, touch **Add** and choose **IQ Designer**.

10. Retrieve the Square and Circle you created from **Memory**, **OK**.

11. Touch **Line Properties** and select the **No-Sew line** , **OK**.

12. Select the **Line Fill Cup** and apply no sew line to the outline of the Square.

13. Touch **Next** and follow the steps to the Embroidery Edit Screen. This has added a circle tack down stitch to the the embroidery design you are building on screen.

14. From the Embroidery Edit Screen, touch **Add** . Select **IQ** IQ Designer.

15. Retrieve the Circle & Square design from **Memory**.

16. Touch **Line Properties**, **No-Sew Line**, **OK**.

17. Select the **Line Fill Cup** and touch on the outline of the circle and square.

18. Touch the **Stamp Key** , select a **Square**, **OK**.

19. Resize square proportionally to **2"**, **OK**.

20. Touch **Line Properties**, select the **Double Run Stitch**, **Dark Blue color**, **OK**.

21. Select the **Line Fill Cup** and touch on the outline of the 2" square.

22. Touch **Next**. Set the **Run Pitch** on the small square to **.100**, **OK**. Save to **Memory**.

23. Touch **Set** and follow the step to the Embroidery Edit Screen. You've just added a placement line for the center square of the design.

24. Touch **Add** then select **IQ Designer**.

25. Retrieve from **Memory** the last file saved – large square, circle, small square. The large square and circle should already have a no-sew line assigned to them.

26. Touch **Next** and then, touch Set **Set** and follow the prompts to the Embroidery Edit Screen. You've now added the tack down stitch for the small square appliqué.

27. **Save this embroidery design to the Machine Memory!** This appliqué design is the base for your IQ embellished blocks, you will use it multiple times.

Adding Fills and Outlines to Block 1

1. From the Home Screen, select **Embroidery**.

2. Retrieve the appliqué design from **Memory** and touch **Set** .

3. Touch **Add** and select **IQ Designer**.

4. Once on the main IQ Designer Screen, retrieve the last file in **Memory**. This should be the large square, circle & small square.

5. Touch **Region Fill Properties**, **Additional Fills**, **Fill #36**, **OK**. Select a **Gold Color** and touch **OK**.

6. Select the **Region Fill Cup** and touch to apply fill between circle and large square.

7. Touch **Region Fill Properties** and choose a **Green Color**, **OK**.

8. Select the **Region Fill Cup** and apply fill in area between small square and circle.

9. Touch **Region Fill Properties**, choose **Turquoise**, **OK**.

10. Select the **Region Fill Cup** and apply fill inside of small square.

11. Now, touch the **Line Properties Icon**, select **Additional Lines**, select **line #009** and choose **Hot Pink**. **OK**.

12. Select the **Line Fill Cup** in line properties and touch the outline of the **Circle**.

13. Touch **Line Properties**, select the **Zigzag Stitch** , color **Orange**, **OK**.

14. Touch **Line Fill Cup** and apply zigzag stitch to outline of the **Small Square**.

15. Touch **Next** to move into the IQ editing screen.

16. The first portion of the design available for editing should be the fill between the circle and large square. Adjust the following:
   - Size: **100%**
   - Angle: 0
   - Outline: Off
   - Random Shift: 0
   - Thickness: **Thin**

17. Using the **Selection Arrows**, select the fill inside the circle and set the following:
   - Size: **75%**
   - Angle: 0
   - Outline: Off
   - Random Shift: 0
   - Thickness: **Thin**

18. **Select** the next fill, inside the square, and set:
   - Size: **120%**
   - Angle: 0
   - Outline: Off
   - Random Shift: 0
   - Thickness: **Thick**

19. **Select** the Circle Outline and adjust the **Size/Width to .500mm**.

20. **Select** the Square Outline and increase **Size/Width to .100**.

21. Save to **Memory**, touch **Set** and advance through the screen to Embroidery Edit.

Stitching Block 1

1. Fuse one 7" x 7" turquoise square to the center of a 12" square of Baby Lock Ultra Soft Fusible Stabilizer.

2. Hoop stabilizer in 10-5/8" x 10-5/8" frame centering turquoise square as best you can.

3. Touch **Set** to move to Embroidery Stitch out Screen. Trace to verify the design will fit within the 7" square of fabric, **Move** design as necessary.

4. Stitch first color of design, the square and circle.

5. Center prepared 5" square of leaf green fabric over circle and stitch tack down stitch.

6. Place prepared 3" square of dark green fabric in center of circle and stitch small square tack down.

7. Remove hoop from machine (do not un-hoop fabric), trim away excess fabric from outside circle and square as close to stitching line as possible, then fuse to background.

8. Return hoop to machine and complete embroidery design stitching out fills, outlines and changing thread colors as indicated.

9. Once design is complete, remove from hoop. Repeat Steps 1-8 to complete a second block 1 (you need two identical blocks to complete the bag).

   *Tip:** *When working in IQ Designer, it is common sometimes to get "lost" in the steps of the embroidery design. Utilize the Stitch Simulator Preview to stay aware of what comes next in embroidery.*

Adding Fills, Outlines and Stitching Block 2

1. From the Home Screen, select **Embroidery**.

2. Retrieve the Base Appliqué Design from **Memory** and touch [Set].

3. Touch [Add] and select **IQ Designer**.

4. Once on the main IQ Designer Screen, retrieve the last file in **Memory**. This should be the large square, circle and small square.

5. Touch **Fill Properties**, **Additional Fills**, **Fill #003**. Select a **Turquoise Color** and touch **OK**.
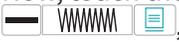
6. Select the **Region Fill Cup** [icon] and touch to apply fill between circle and large square.

7. Touch **Fill Properties** and choose a **Gold Color**, **OK**.

8. Select the **Region Fill Cup** [icon] and apply fill in area between small square and circle.

9. Touch **Fill Properties**, choose **Green**, **OK**.

10. Select the **Region Fill Cup** [icon] and apply fill inside of small square.

11. Now, touch the **Line Properties Icon** [icon], select **Additional Lines,** select **line #009** and choose **Orange**. **OK**.

12. Select the **Line Fill Cup** in line properties and touch the outline of the **Circle**.

13. Touch **Line Properties**, select the **Zigzag Stitch**, color **Hot Pink**, **OK**.

14. Touch **Line Fill** and apply zigzag stitch to outline of the **Small Square**.

15. Touch [Next] to move into the IQ editing screen.

16. The first portion of the design available for editing should be the fill between the circle and large square. Adjust the following:
    - Size: **100%**
    - Angle: 0
    - Outline: Off
    - Random Shift: 0
    - Thickness: **Thin**

17. Using the selection Arrows, **Select** the fill inside the circle and set the following:
    - Size: **75%**
    - Angle: **45**
    - Outline: Off
    - Random Shift: **3**
    - Thickness: **Thin**

18. Select the next fill, inside the square, and set:
    - Size: **125%**
    - Angle: 0
    - Outline: Off
    - Random Shift: 0
    - Thickness: **Thick**

19. **Select** the Circle Outline and adjust the **Size/Width to .500mm**, **OK**.

20. **Select** the Square Outline and increase **Size/Width to .100**, **OK**.

21. Save to **Memory**, touch [Set] and advance through the screen to Embroidery Edit.

22. Following the Embroidery Steps from Block 1, stitch two Block 2 pieces.

Adding Fills, Outlines and Stitching Block 3

1. From the Home Screen, select **Embroidery**.

2. Retrieve the Base Appliqué Design from **Memory** and touch [Set].

3. Touch [Add] and select **IQ** IQ Designer.

4. Once on the main IQ Designer Screen, retrieve the last file in **Memory**. This should be the large square, circle and small square.

5. Touch **Fill Properties**, **Additional Fills**, **Fill #022**, **OK**. Select a **Green** color and touch **OK**.

6. Select the **Region Fill Cup** [icon] and touch to apply fill between circle and large square.

7. Touch **Fill Properties** and choose a **Turquoise Color**, **OK**.

8. Select the **Region Fill Cup** [icon] and apply fill in area between small square and circle.

9. Touch **Fill Properties**, choose **Gold**, OK.

10. Select the **Region Fill Cup** [icon] and apply fill inside of small square.

11. Now, touch the **Line Properties Icon**, select Additional Lines, select **line #009** and choose **Hot Pink**. **OK**.

12. Select the **Line Fill Cup** in line properties and touch the outline of the **Circle**.

13. Touch **Line Properties**, select the **Zigzag Stitch**, color **Orange**, **OK**.

14. Touch **Line Fill Cup** and apply zigzag stitch to outline of the **Small Square**.

15. Touch **Next** to move into the IQ editing screen.

16. The first portion of the design available for editing should be the fill between the circle and large square.

    Adjust the following:
    - Size: 100%
    - Angle: 0
    - Outline: Off
    - Random Shift: 0
    - Thickness: **Thin**

17. Using the Selection Arrows, select the fill inside the circle and set the following:
    - Size: **75%**
    - Angle: **45**
    - Outline: Off
    - Random Shift: **2**
    - Thickness: **Thin**

18. Select the next fill, inside the square, and set:
    - Size: **150%**
    - Angle: 0
    - Outline: Off
    - Random Shift: 0
    - Position Offset: **.500**
    - Thickness: Thick

19. **Select** the Circle Outline and adjust the **Size/Width to .500mm**.

20. **Select** the Square Outline and increase **Size/Width to .100**.

21. Save to **Memory**, touch **Set** and advance through the screen to Embroidery Edit.

22. Following the Embroidery Steps from Block 1, stitch two Block 3 pieces.

Embroidering the Front and Back Lower Panels

1. From the Home screen, touch **IQ** IQ Designer.

2. Touch **Stamps** [icon], select a **Square**, then touch **OK**.

3. **Resize** the square to 8" wide x 16" tall.

4. Touch **Line Properties**, choose the **Double Run Stitch**, the color **Green** and touch **OK**.

5. Touch the **Line Fill Cup** and touch the outline of the rectangle.

6. Touch **Fill Properties** and select **Fill #035**. Choose a **Gold Color** and touch **OK**.

7. Select the **Region Fill Tool** and touch inside the rectangle.

8. Touch the **Eraser** and increase **circular eraser** to **100**, **OK**.

9. **Touch** randomly inside of the rectangle to erase large, circular portions of the fill. Undo and redo as needed to create a visually appealing affect.

10. Touch **Next**, the use the **Selection Arrows** to select the fill. Adjust as follows:
    - Size: **150%**
    - Angle: 0
    - Outline: **On**

- Random Shift: 0
- Thickness: **Thin**

11. Save to **Memory**, touch [Set] and follow the on-screen prompts to get to the Embroidery Edit Screen.

12. Prepare fabrics by fusing one 9" x 17" piece of Bosal to the wrong side of one 9" x 17" piece of fabric. Fuse this to the center of 14" x 20" Ultra Soft Fusible Stabilizer.

13. Hoop prepared piece so that bottom of embroidery design will be 1/4"–1/2" from bottom edge of fabric.

14. **Trace** to ensure placement and **Move** as necessary.

15. Repeat for second lower panel. Trim both 1/8" outside of the stitched outline.

Embroidering the Side Panels

1. From the Home Screen, touch [IQ IQ Designer].

2. Touch **Stamps** [icon], select a **Square**, **OK**.

3. **Resize** to 5" wide x 13.5" tall, **OK**.

4. Touch **Line Properties**, select the **Double Run Stitch**, choose a **Gold Color** and touch **OK**.

5. Touch the **Line Properties Cup** and touch on the outline of the rectangle.

6. Select **Fill Properties**, **additional fills**, **#22**, a **Gold Color** and touch **OK**.

7. Touch the **Region Fill Tool** and assign fill inside of rectangle.

8. Touch [Next].

9. Using the **Selection Arrows** to edit the Fill as follows:
   - Size: **150%**
   - Angle: 0
   - Outline: **On**
   - Random Shift: 0
   - Thickness: **Thin**

10. Save to **Memory**, touch **Set** and follow the on-screen prompts to return to the Embroidery Edit Screen.

11. **Move** the design to the very left side of screen.

12. Touch [Add], **Machine Memory** and select the **same design**, **Set**.

13. **Move** the second design to the right side of the screen.

14. Prepare fabric by fusing 14" x 15" Bosal to wrong side of 14" x 15" Side Panel Fabric.

15. Fuse panel to center of 14" x 20" Baby Lock Ultra Soft Fusible Stabilizer and center in Magnetic Hoop.

16. **Trace** around embroidery design to verify that design will land in side panel fabric, **Move** as necessary (Fabric is cut larger than needed to aid in positioning).

17. Stitch out design.

Embroidering the Bottom Panel:

1. From the Home Screen, touch [IQ IQ Designer].

2. Select **Stamps** [icon], choose a **Square** and touch **OK**.

3. **Resize** to 5" wide x 16" tall, OK.

4. Touch **Line Properties**, choose the **Double Run Stitch**, a **Gold Color** and **OK**.

5. Activate the **Line Properties Fill Tool** and touch on the outline of the rectangle.

6. Select **Fill Properties**, **More Options**, **Fill #007**, a **Gold Color** and **OK**.

7. Select the **Region Fill Tool** and touch inside the rectangle.

8. Touch **Next**, use the arrows to **Select** the fill and adjust as follows:
   - Size: 100%
   - Angle: 0
   - Outline: On
   - Random Shift: 0
   - Thickness: **Thin**

9. **Save** to IQ Designer Memory, touch **Set** and follow the on-screen prompts to get to the Embroidery Edit Screen.

10. Prepare the bottom fabric by fusing 6" x 17" Bosal to wrong side of 6" x 17" fabric. Center fused

bottom piece on 14" x 20" Baby Lock Ultra Soft Fusible Stabilizer and fuse. Center in largest hoop.

Note: Hoop used in this image is the Monster Snap Magnetic Hoop by DIME.

11. Touch **Set**, **Trace** around design to ensure design will land on fabric, **Move** to adjust as necessary then Stitch the Design.

Final Construction

1. Prepare machine for sewing by replacing embroidery foot with Piping Foot, threading with coordinating construction thread in needle and bobbin.

2. Center 1/8" piping on wrong side of 3/4" x WOF strips. Fold fabric over piping aligning long, raw edges and position under piping foot with piping in groove.

3. Select a center needle straight stitch, turn the handwheel slowly toward you to see where the needle will land. Adjust the Left/Right Shift as necessary so needle will drop just barely to the right of the piping.

4. Stitch down the length of the piping strip and repeat with 3 remaining 3/4" fabric strips.

5. Trim all blocks 1/8" from the outline stitch.

6. Using the same foot and stitch, attach piping to right side edge of Block 1.

7. Sandwich Block 2 facing down on top of Block 1 and Piping and then, stitch again.

8. Attach piping to right side edge of Block 2 and then repeat step 6, attaching Block 3 to sewn Block 1 and 2.

9. Attach Piping to bottom edge of 3 Block Unit.

10. Repeat steps 5-8 to create a second Block Unit.

Attaching 3 Blocks to Lower Panel

1. With right sides together, align bottom piped edge of Block unit with topstitching line of Lower Panel. Stitch together.

   ***Tip:** Sew from the wrong side of piped piece with Piping Foot to keep everything straight.*

2. Press piece flat and then trim around panel 1/8" from embroidered stitching lines, squaring up the Front/Back as necessary.

3. Attach piping to left and right sides of panel.

4. Repeat steps 1-3 with second Lower Panel and Block Unit.

5. Cut 2 Lining pieces the same size as the Front/Back pieces.

Attaching the Sides and Bottom

1. Trim Side Panels and Bottom 1/8" from embroidered stitching line.

2. Cut the length of the Side Panels to match the length of the Front/Back pieces.

3. Cut the width of the Bottom piece to match the width of the Front/Back pieces.

4. Before stitching the Sides and Bottom on, cut your lining pieces to match the same sizes of the outside pieces of the bag. You'll need 2 Front/Back Lining pieces, 2 Side Panel Lining pieces, and 1 Bottom Lining piece.

5. Sew Side Panels, using piping foot, to front and back panels with right sides together, sandwiching piping between layers. You will have what looks like a fabric tube.

6. Pin or clip bottom piece to bottom of bag and stitch using 1/4" seam allowance and "J" Foot. Start and stop your stitch line 1/4" from every corner to attach the bottom to the bag. Snip at the corners, if necessary, to fit the body of the bag to the base.

Straps

1. Using one stabilized 2.5" x WOF strap piece, fold in half lengthwise with right sides together, creating a 1.25" x WOF strap. Stitch along the long, raw edges, using a 1/4" seam allowance.

2. Turn Strap right side out using favorite tube turner and press.

3. Topstitch along both long edges, 1/8" from edge.

4. Repeat steps 1-4 to create second strap.

Final Construction

1. Sew Bag Lining pieces together in the same fashion as bag exterior, leaving a gap for turning on bottom edge.

2. Pin straps 1/2" away from edges of center embroidered block on front and back of bag exterior. Stitch in place to hold.

3. With lining inside out, nest bag exterior inside of lining, matching right sides of fabrics.
   Tip: Be sure straps are tucked inside between lining and exterior.

4. Stitch lining to exterior together along top edge using 1/2" seam allowance.

5. Turn right side out through opening in bottom of lining then, stitch opening closed.

6. Press bag and roll lining fabric over top edge of bag exterior, creating the look of a bound edge.

7. Attach Stitch-in-the-Ditch foot and stitch around top edge in "Ditch" between exterior and lining fabric, using Center Needle Straight Stitch.
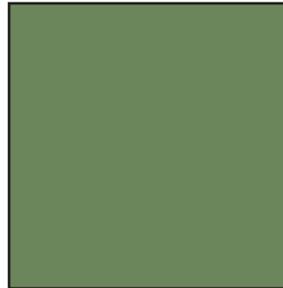
8. Enjoy your new bag!

TILED TOTE INFOGRAPHIC - CUTTING AND BAG PIECE SIZES

Side Panels
Cut Fabric & Bosal:
One 14" x 15"
(both panels
stitched in
one hoop)

Stitches out:
5" x 13.5" each

Finished Size:
Approx. 4.5" x 13"
(Cut same length as
pieced front/back)

**Upper Blocks
(Front and Back)**

**Cut Background
Fabric:**
Two 7" x 7" from
Fabrics A, B, & C
(6 total)

**Upper Blocks
(Front and Back)**

Stitches out:
5.51" x 5.51"

Finished Size:
Approx. 5" x 5"

Lower Panel (Front and Back)

Cut Fabric and Bosal:
Two 9" x 17"

Stitches out:
8" x 16"

Finished Size:
Approx. 7.5" x 15" (stitch to pieced blocks and square up)

Bag Bottom

Cut Fabric and Bosal:
One 6" x 17"

Stitches out:
5" x 16"

Finished Size:
Approx. 4.5" x 15" (Cut same width as pieced front/back)

ALSO CUT:

Circle Appliqués*
Two 5" x 5" from
Fabrics A, B, & C
(6 Total)

**Small Square
Appliqués***
Two 3" x 3" from
Fabrics A, B, & C
(6 Total)

Straps: Two 2.5" x WOF cut from Lining Fabric

Stabilize Straps with Ultra Soft Stabilizer

* All cut appliqué fabrics should be prepared
   with Wonder Under or HeatnBond Lite fused
   to the wrong side of the fabric.

** Lining is cut after piecing and squaring
    up the bag front and back because you
    want them to be the same size as the outer
    pieces.

Lining**
Two
Side
Panels

Lining**
Two Front and Back

Lining**
One Bottom