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## **Marshall 4<sup>th</sup> of July Fireworks Proposal from Hollywood Pyrotechnics, Inc.**

Hollywood Pyrotechnics is a Minnesota based fireworks company, founded in 2002 with the focus of great fireworks products, great service start to finish and every show choreographed and electronically fired. We pride ourselves on great displays with wonderful products – many of which we specifically design in our trips to the factories each fall.

Below are typical RFP requests, and our responses. Some provide options or variations that we can work through based on your needs or desires. Overall though we will seek to guide you towards the best display possible for your site and audience viewing angles. We focus on safety first, but pride ourselves on the fantastic show we can present.

A typical 4<sup>th</sup> of July display runs \$1,000 per minute for an exciting display of the intensity and scope that will impress the citizens of your city. We typically quote a price and aim for a ballpark duration that we mutually agree upon. Duration is an estimate as we give our lead operators freedom to vary the pace of the display based on real-time audience feedback.

At this time, we cannot offer a contract for 2022 as we do not have a licensed fireworks operator available to do your display, nor do we have a CDL licensed driver to transport the fireworks from our warehouse to you. Our hope is that we will be able to groom a new Lead Operator and Driver by 2023, but do note that this proposal is contingent on adding said individuals to our staff list.



Key consideration elements:

1. Description of the show

1. Estimated length of time for the display

A general "rule of thumb" estimate is \$1000 per minute of display. For a 4<sup>th</sup> of July display, our minimum budget is \$15,000 as we need to recover the costs of adding a new display to our schedule – equipment must be purchased or built, crew trained, etc... We can accommodate any budget at or above the \$15,000 minimum, with the typical city display coming in at \$20k-\$25k.

2. Minimum/maximum height of the display

Height of the display depends on the sizes of shells used. NFPA 1123 requires a minimum of 70' per inch diameter shell as a safety zone clear of people, cars, occupied buildings. Roads that fall within a safety zone must be closed ½ hour before the show, and remain closed until the crew does a "dud" search and determines the road to be safe for the general public to enter. This typically takes around 45 minutes, but could be double that if a dud shell is found.

3. Total shell count

I do not bid on shell count. Typically where this is asked I just don't bid. This is such a fallacy in the industry, and is often very wrong. Worse yet, if it is accurate, and the count is high, it means it is very low cost shells, or very small shells being offered, often resulting in a poor quality display. Hollywood Pyrotechnics provides high quality shells, which carry a higher cost, but also have more effects, brighter colors, and longer duration. If your primary determining factor is shell count, stop reading, and throw this away. If your goal is a great display, then please look to our story, our references and our ability to really WOW your audience. And not through shell count, but through shell quality and choreography usage.

4. Descriptions of the shells used, including size and brand names

We have been traveling to China, and working with the factories there for a couple decades now. We have seen a lot, shared a lot and helped build new brands and new product effects. The brands we use are ones we have spearheaded on import into the USA. Today 98% of the world's fireworks are manufactured in China, and 90% of that is from one area – Liuyang in Hunan China. Doesn't matter if the shell is a Chinese effect, Japanese effect, Spanish effect, Italian effect or even American effect – they are all made there. We pick a great balance between exceptional quality and reasonable cost to select a wide range of effects, paying more for longer duration, more diverse and brighter colors and often unique and highly detailed effects.

In a display we use shells from 2.5" through 8" in size, depending on available safety zone. Smaller shells are fired in volleys, and larger shells are crowning glory over the walls of effects. Additional multi-shot cakes with tube sizes of 1" to 2" are often used to provide fast movement (fans), as well as a fast repetitive base effect. These change the pace of the display and provide for some incredible presentation.

We maintain a mix of large and smaller shells, creating a moving sequence of effects in the night sky. If all the effects go into one spot in the sky, it gets boring, and it also gets clouded with smoke, which mutes the colors.

Our primary brands of shells and cakes include; Red Eagle, Celebration, Tang Hua and YiHeLong. All customized and imported by Hollywood Pyrotechnics.



5. Special features or highlights used in the display

To us the entire display is special... but as some details we provide for some great Red / White and Blue segments, as well as great and unique shells. Some of the unique shells we offer are Ghost shells – the surface of the shell moves across it with color change from dark to light to dark, giving a moving or rotating appearance. Quadrant shells – not just a half and half color effect, but a set of 4 colors in separate quarters of the shell. It's a really fun looking effect. Crossettes provide for a break with multiple points of light, then each breaking into 4 separate points of light. Wind Bell is a long hanging and spinning strobe effect, that we usually cap off a finale with. Intense Gold in the Finale – a traditionally Spanish effect is an amazing sight to see with traces of gold cross crossing through the dark night sky in a wide presentation and continuing for some time.

6. List unique or creative fireworks your company can supply

Following are just some of the unique and special firework effects we provided in 2021 to customers all over the upper Midwest – providing jaw dropping displays again and again.



- 2.5in Chain of 10 Shells - Gold Willow to Variegated
- 2.5in Chain of 10 Shells - Golden Strobe
- 2.5in Chain of 10 Shells - Brocade Crown Kamuro to Variegated
- 2.5in Chain of 10 Shells - TI Salute with One Double Crackle
- 3in Chain of 10 Shells - Variegated Ring w/White Strobe Pistil
- 3in Chain of 10 Shells - Corolla and Red Special Strobe Pistil
- 3in Chain of 10 Shells - Brocade Chrys with Color Strobe Pistil
- 3in Chain of 10 Shells - TI Salute with 1 Double Crackle w/Tail
- 4in Chain of 3 Shells - Variegated Peony to Brocade Ring
- 4in Chain of 3 Shells - Gold Strobe Crossette and Brocade Ring
- 4in Chain of 3 Shells - Brocade Crown to Red Strobe and Red Strobe Pistil
- 4in Chain of 3 Shells - Red Heart
- 4in Chain of 6 Shells - 2x (Red Crossette Glitter Crossette Blue Crossette)
- 4in Chain of 6 Shells - TI Salute with One Double Crackle
- 4in Chain of 6 Shells - Purple Crossette w/ Lemon Pistil
- 4in Chain of 6 Shells - Red Ring w/ Variegated Go-Getters
- 4in Chain of 6 Shells - Super Gold Willow (Very Long Duration)
- 5in Chain of 3 Shells - Midnight Snow Ring and Double Color Peony
- 5in Chain of 3 Shells - Brocade Crown Chrys
- 5in Chain of 3 Shells - Smiley Face
- 5in Chain of 3 Shells - White Strobe w/ Red Crossette
- 5in Chain of 3 Shells - Silver Ring with Blue Pistil & Brocade Crown Ring w/ Silver Crackling
- 5in Chain of 3 Shells - Brocade Chrys with Color Strobe Pistil
- Red Peony with Glittering Golden Palm Tree Core
- White Peony with Glittering Golden Palm Tree Core
- Blue Peony with Glittering Golden Palm Tree Core
- Red Ring with White Strobe Core
- White Ring with Red Strobe Core
- Blue Ring with White Strobe Core
- Dark to Red Peony with Silver Kamuro Ring
- Dark to White Peony with Silver Kamuro Ring
- Dark to Blue Peony with Silver Kamuro Ring

Silver Glittering Willow with Red Strobe Pistil  
 Silver Glittering Willow with White Fish Pistil  
 Silver Glittering Willow with Blue Pistil  
 Gold Horse Tail to Green Glitter Strobe  
 Gold Horse Tail to Red Glitter Strobe  
 Gold Horse Tail to Orange Glitter Strobe  
 Moving Star Red and Green Variegated  
 Moving Star Yellow and Purple Variegated  
 Moving Star Red and Blue Variegated  
 Crackling Rain with Purple  
 Crackling Rain with Blue  
 Crackling Rain with Pink  
 Tourbillion and Blue Stars  
 Tourbillion and Red Stars  
 Whistle and Green Stars  
 Gold Willow to Purple with Purple Pistil  
 Gold Willow to Green with Green Strobe Pistil  
 Gold Willow to Red with Red Strobe Pistil  
 1/4 Red 1/4 Blue 1/4 Green 1/4 Yellow Peony - Quadrants  
 1/4 Pink 1/4 Purple 1/4 Lime Green 1/4 Blue Peony - Quadrants  
 1/4 Red Strobe 1/4 Orange Strobe 1/4 Green Strobe 1/4 Silver Strobe Peony - Quadrants  
 Red Crossette  
 Gold Crossette  
 Silver Crossette  
 Brocade Crown to Red  
 Brocade Crown to White Strobe  
 Brocade Crown to Blue  
 Red Dark Red  
 Red/ White /Blue Wave  
 Red to Delayed Crackle  
 Silver Crackling Crossette  
 Silver Time Rain Crossette  
 Red Coconut Tree Crossette w/ Silver Coconut Pistil  
 Magenta Peony  
 Red & Green Peony  
 Cycus Bloom to Color Tips  
 Diadem Chrys to Red w/ Blue Pistil  
 Brocade Crown Kamuro to Variegated  
 Golden Strobe w/Green Pistil  
 Special Color Strobe  
 Special Green Strobe  
 Special Lemon Strobe  
 Special Orange Strobe  
 Special White Strobe  
 Special Red Strobe  
 Variegated Strobe  
 White Strobe Willow  
 Willow to Dark to Multi Color (Red Blue Green Yellow)  
 Green Strobe w/Red Go Getter  
 Red & Green Go Getter  
 Purple Go-Getter  
 Color Dahlia w/Silver Flash Pistil  
 Purple Dahlia  
 Green Ring to Crackle Star w/ Red Pistil  
 Dragon Eggs with Palm Core  
 Gold Crackle Chrys with Green Pistil  
 Silver Crackling Willow w/ Blue Dahlia  
 Gold Willow to Variegated  
 Brocade Chrys with Color Strobe Pistil  
 Brocade Crown to Blue w/Golden Strobe Pistil  
 Brocade Crown to Crackling Willow  
 Glittering Silver to Red to Blue  
 Red to White to Blue Peony  
 Blue to Red to White Strobe  
 Red Coconut Tree Crossette w/ Silver Coconut Pistil  
 Silver Ring with Blue Pistil & Brocade Crown Ring w/ Silver Crackling  
 Gold Light Band to White Strobe  
 Gold Strobe Peony w/ Blue Pistil  
 Red Special Strobe

White Strobe w/ Green Go Getter Pistil  
 Hundreds Dragons Dance shells  
 Whistles and multi-color bees shells  
 Eight Flowers Chrysanthemum  
 Brocade Crown to Crackling Willow  
 Golden Silk Chrysanthemum w/ Red Glitter Pistil  
 Super Gold Willow (Very Long Duration)  
 Red Chrys with Coconut Pistil  
 Gold Wave to Purple Chrysanthemum  
 Brocade Chrys With Multi-Color Strobe Pistil  
 Silver Wave to Blue  
 Silver Wave to Green  
 Silver Wave to Red  
 Brocade Waterfall / Horsetail with Green falling Leaves  
 Brocade Waterfall / Horsetail with Purple falling Leaves  
 Brocade Waterfall / Horsetail with Red Falling Leaves  
 Glittering Crown Dahlia  
 Twilight Glitter to Purple Star with Green Strobe Pistil  
 Brocade Crown to Red Star with White Strobe Pistil  
 Orange / Violet / Lime Dahlia with White Glitter Pistil  
 Red Peony to Blue Peony with White Strobe Pistil  
 Red / Blue / Green / Yellow Quadrant Peony  
 Pink / Purple / Lime Green / Blue Quadrant Peony  
 Red / Blue Falling Leaves  
 Half Purple Half Green Peony with Silver Kamuro Ring  
 Jelly Fish  
 Sunglow Glitter to Purple Star Butterfly  
 Color Kaleidoscope (R G Y B P) <Stained Glass>  
 Multicolor Strobe Waterfall (red green lemon orange )  
 Crossing Timed Rings (Red Grn Pur) Ghost Shell  
 Silver Glitter Crown to Red and Blue  
 RWB Stained Glass  
 Multi Color Strobe  
 Blue Peony w/ Coco and Red Pistil  
 Gold Spangle w/ Green Pistil  
 1/4 Red Green Purple Yellow Peony W/ Pistil  
 Aqua Peony in Pink Circle W/ Brocade Waterfall Pistil  
 Blue Cherry Blossom  
 Golden Silk Chrysanthemum  
 Hundred Bees  
 Multi-Color Small Flowers W/ Crackling Balls  
 Nishiki Kamuro Niagara Falls  
 Nishiki Kamuro Shell  
 Red Cherry Blossom  
 Gold Glitter with Red Strobe Glittering  
 Red/Blue/Green/Yellow Quadrant Peony  
 Red Strobe/Orange Strobe/Green Strobe/White Quadrant Strobe  
 Brocade ring to pink with sky blue pistil  
 Green to Purple Sweeper Ring  
 Lemon Ghost Ring  
 Golden Willow  
 Red Ghost Shell  
 Silver Ghost Shell  
 Blue Ghost Shell  
 Wind Bell  
 Gold Brocade Horsetail  
 Red and Green Crossette with Tail  
 Double Petal w/ Pistil Gold Ti-Willow w/ Aqua Pistil and Purple Inner Pistil  
 ½ Purple ½ Silver w/ ½ Silver ½ Purple Pistil  
 Stained Glass with Gold Strobe Pistil  
 Jelly Fish Pattern  
 Thousands of Color Chrysanthemum with Red Crossettes  
 Platinum Orido Nishiki w/ Green Pistil  
 Multi Color Dahlia w/ Gold Palm Pistil  
 Purple Peony to Many Red Flowers  
 Giant Golden Silk Chrysanthemum with Rising Red Flowers  
 Windbell - Strobe Red  
 Windbell - Strobe While  
 Brocade Crown to Red Strobe

7. Space requirements

Minnesota Statutes and NFPA 1123 requirement dictate a minimum safety distance of 70 feet per inch diameter of shell. So a 3" shell is 210 feet, 5" is 350 feet and 8" is 560 feet, as some examples. Generally we seek a larger space than this, to accommodate some wind and or other factors that may affect safety. Additionally a wider area will allow us to setup walls of effects that create a wider field of view of the audience, increasing the excitement for the show. Generally we look for about 100 feet per inch diameter of shell, and or the ability to shift or move around some to accommodate wind. Other options can be optionally closing some areas, expanding the safety zone, should weather call for the need.

8. Written description of set-up and take-down procedures, including equipment or supplies used

Hollywood Pyrotechnics uses mortar racks with high quality HDPE mortars in racks that are screwed, glued and painted to provide long life and stable operation. The racks are setup on the field and secured into pods. The fireworks are loaded, wired and checked a pod at a time. Pods can be loaded in the rain/snow, and then covered and secured with plastic to provide exceptional weather protection. We can setup and fire rain or shine.

The field is clear of all personnel during firing, allowing all crew members to act as security and monitors for the display. Once the display is complete a 15 minute 'cool down' period is observed before entering the field and checking mortars. During that period the outer regions of the display site are checked for any possible duds, working our way inward. Finally the racks are checked and confirmed or cleared to be empty and then teardown of the site begins. Equipment is put away, and then the field is cleaned up including collection of all larger debris in the field. The area is again checked for any remaining live material, and then the team departs. A crew member checks the field again in the morning with daylight to examine for anything that may have been missed.

9. Clean-up procedures, including inspection of grounds

As noted above, cleanup is done the night of the display, with inspection of any remaining live material the night of the display as well as the next morning.

10. All Federal and State permits and regulations must be obtained and met.

We do all our work 'by the book'. Copies of some of our federal licenses, permits and operating certificates are available for BATFE, DOT, PHMSA and more.

11. Copy of Certificate of Liability Insurance

We will provide a Certificate of Liability Insurance upon signing of the contract. All of our displays carry a \$2 Million limit, which is above and beyond the \$1.5 Million policy that Minnesota State Law requires.

12. Letters of Reference with contact names and phone numbers from Minnesota cities or events that have hired your company within the past two (2) years

Multiple twin cities events have repeatedly used Hollywood Pyrotechnics year after year. Following are some post display comments or notes provided to us, and their contact information.

- Blaine 4<sup>th</sup> of July -

*Hi Mira – it was an awesome show! I heard so many positive comments. THANK YOU! Keep us on your calendar for next year*

Shari Kunza | Recreation Manager | Blaine Parks and Recreation  
10801 Town Square Drive | Blaine, MN 55449 | 763-717-2723  
[skunza@ci.blaine.mn.us](mailto:skunza@ci.blaine.mn.us)

- St. Louis Park 4<sup>th</sup> of July

*Mira,*

*In municipal government, you rarely hear the positive comments from residents. The email below was a great surprise and it isn't the only positive comment we received regarding your fireworks display. We even had a council member go out of their way to let us know how impressed he was with your show. I have heard from numerous individuals how you had a finale after the finale...which was awesome!*

*I was at a different show in a different community and I was sorely disappointed. I have found myself starting to time entire shows and evaluate to see how sporadic the fireworks are. You have taught me so much about this industry.*

*Mira, you and your crew do amazing work! Please pass these comments to Dick and the crew and thank them for all the hard work they do to make the St. Louis Park 4th of July event the best it can be.*

*>> WOW!!! It was another spectacular fireworks show. I live near Aquila Park and have been >> able to walk over to the park to enjoy the display for many many years, and I think that this >> was one of the best you've put on. It was exciting from beginning to end, with no long pauses >> between rockets, and the finale was especially wonderful. Thanks to everyone for all their >> hard work - it was well worth it, and is another reason I love living in this community.*

Jason T. West, CPRP

Recreation Superintendent | City of St. Louis Park

3700 Monterey Dr., St. Louis Park, MN 55416

Office: 952-924-2554

[www.stlouispark.org](http://www.stlouispark.org)

[jwest@stlouispark.org](mailto:jwest@stlouispark.org)

- Chisago Aug 20<sup>th</sup> Chi Ki Saga Days

*Was awesome!! Thank you !!*

Doris Zacho

Chisago Parks and Rec

[dzacho@ci.chisago.mn.us](mailto:dzacho@ci.chisago.mn.us) | Fax: 651-257-0695 | phone: 651-257-4162

[www.ci.chisago.mn.us](http://www.ci.chisago.mn.us)

- East Bethel July 16<sup>th</sup> East Bethel Booster Days

*Yes!!!! I was just going to send you an email! Let's get the agreement going for next year.*

Mark DuCharme

Fire Chief / Emergency Management Director

City of East Bethel

2241 221st Avenue NE

East Bethel, MN 55011

763-367-7886

[mark.ducharme@ci.east-bethel.mn.us](mailto:mark.ducharme@ci.east-bethel.mn.us)

- Hay Days Sept 10<sup>th</sup> – largest US Snowmobile swap meet (30,000 attendees)

*I just got a minute to sit down and tell you that I'm so proud of you guys and what a great job you did on the fireworks show.... We are the talk of the area. Everyone loved it, it was amazing Thank you. Thank you. Keep this weekend open for next year thank you Meshell*

Meshell Gorsegner  
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Minneapolis, MN 55421  
[mgorsegner@kurt.com](mailto:mgorsegner@kurt.com)

- Black Bear Casino Anniversary – Carlton MN – Aug 19<sup>th</sup>

*Mira, I wanted to touch base with you before you contacted me. I apologize, I was out of the office yesterday. Your display was AMAZING! I was watching the crowd and there was not a single face that was not staring at the sky and a look of awe. It will be talked about for a very long time (like last year...they hype from that was still going strong). I loved the final firework and how that just hung in the air! Amazing is such an understatement. You did a fantastic job...pleasure to work with you. Thank you!*

Becky Armstrong  
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DIR/ 218.878.2417  
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I could list dozens more... but I believe this gives a general idea of our exceptional work, product and focus to great fireworks displays!

NOTE:

1. Additional items used in the proposal may include sample of shows through the use of video or other information as the pyrotechnic company sees fit to include. Hollywood Pyrotechnics has a YouTube Channel. You may examine our shows posted there. The real interesting ones however are more of what the audience has videoed and their comments while filming and being amazed. YouTube: [www.YouTube.com/user/HollywoodPyrotech](http://www.YouTube.com/user/HollywoodPyrotech)

2. Fireworks are ignited electronically.  
100% of Hollywood Pyrotechnics displays are electrically fired with professional firing equipment from PyroMate.

3. Fireworks display is continuous, with minimal gaps between displays.  
We preload mortars 100% and fire for dramatic effect throughout the show.

It is our focus to provide the best possible display for Marshall, with a professional display team. You can confirm our safety record with the State Fire Marshal. Know that we go the extra step to provide a great display, as our greatest reward is the cheers of the amazed audience.

Sincerely,



Bennie Netzley